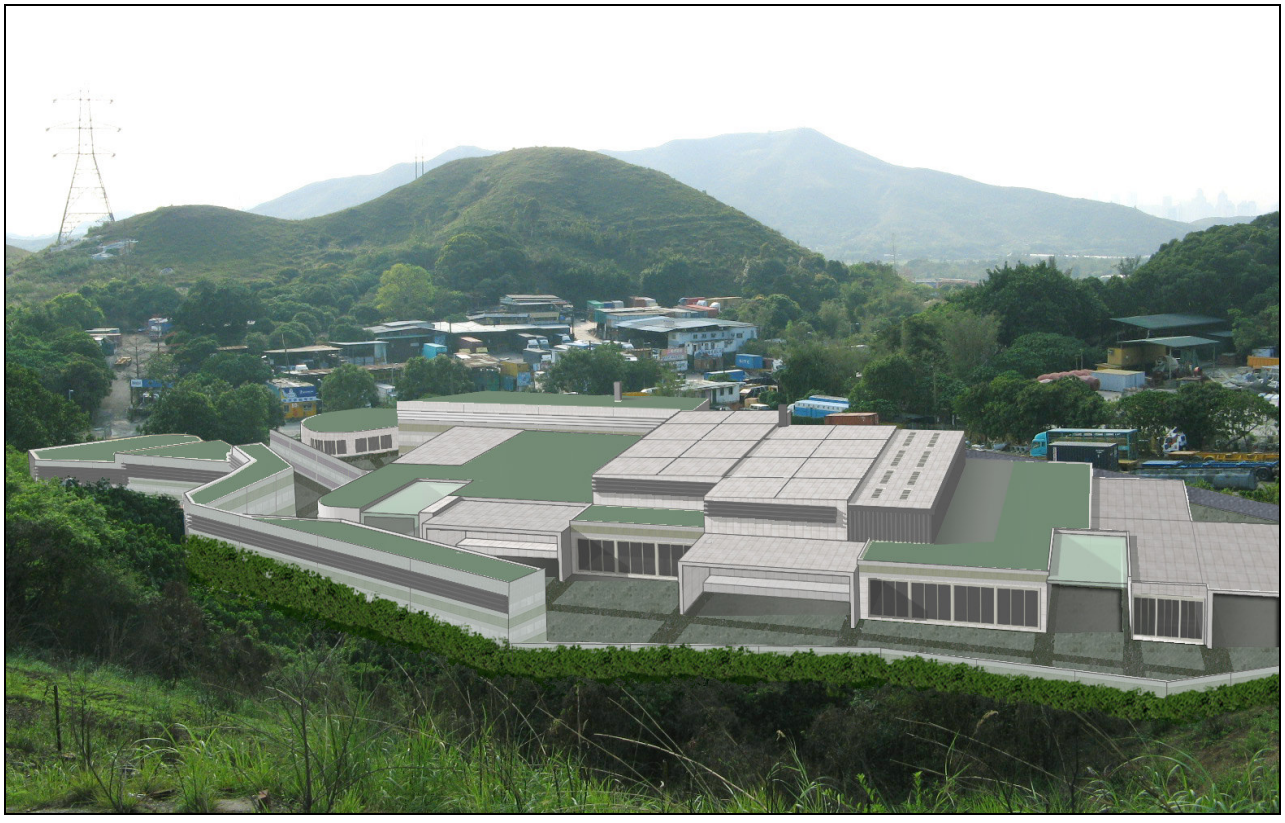
Architectural Services Department

Environmental Consultancy for

Provision of a Poultry Slaughtering Centre in Sheung Shui

Environmental Impact Assessment Report
Volume II – Figures and Appendices

5 June 2009



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Environmental Consultancy for

Provision of a Poultry Slaughtering Centre in Sheung Shui

Environmental Impact Assessment Report Volume II – Figures and Appendices

5 June 2009

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Alexi BHANJA

Report No EB000198-02b-17

Date 5 June 2009

FIGURES

APPENDICES

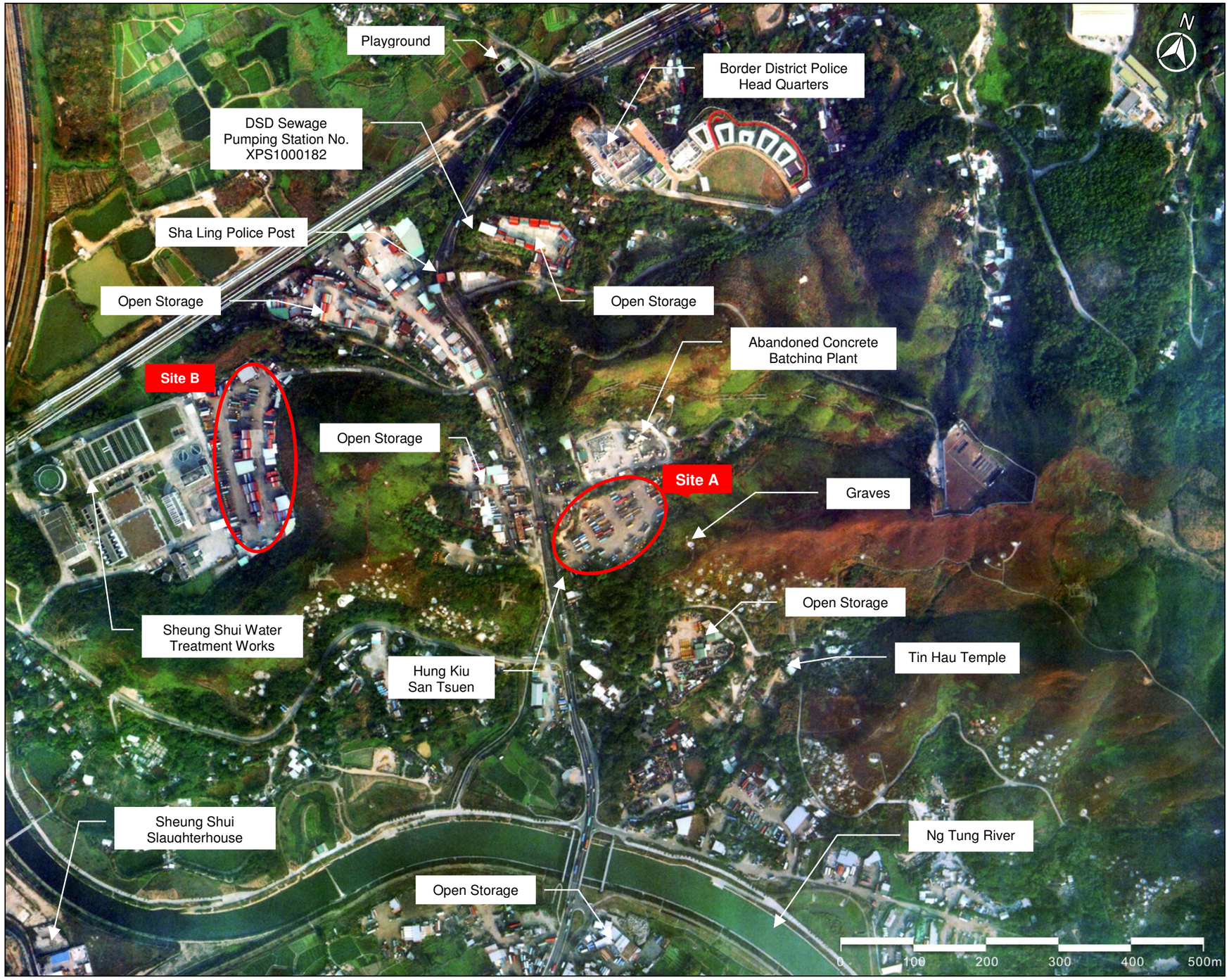


Figure 2-1 Location of Site A and Site B in Sheung Shui

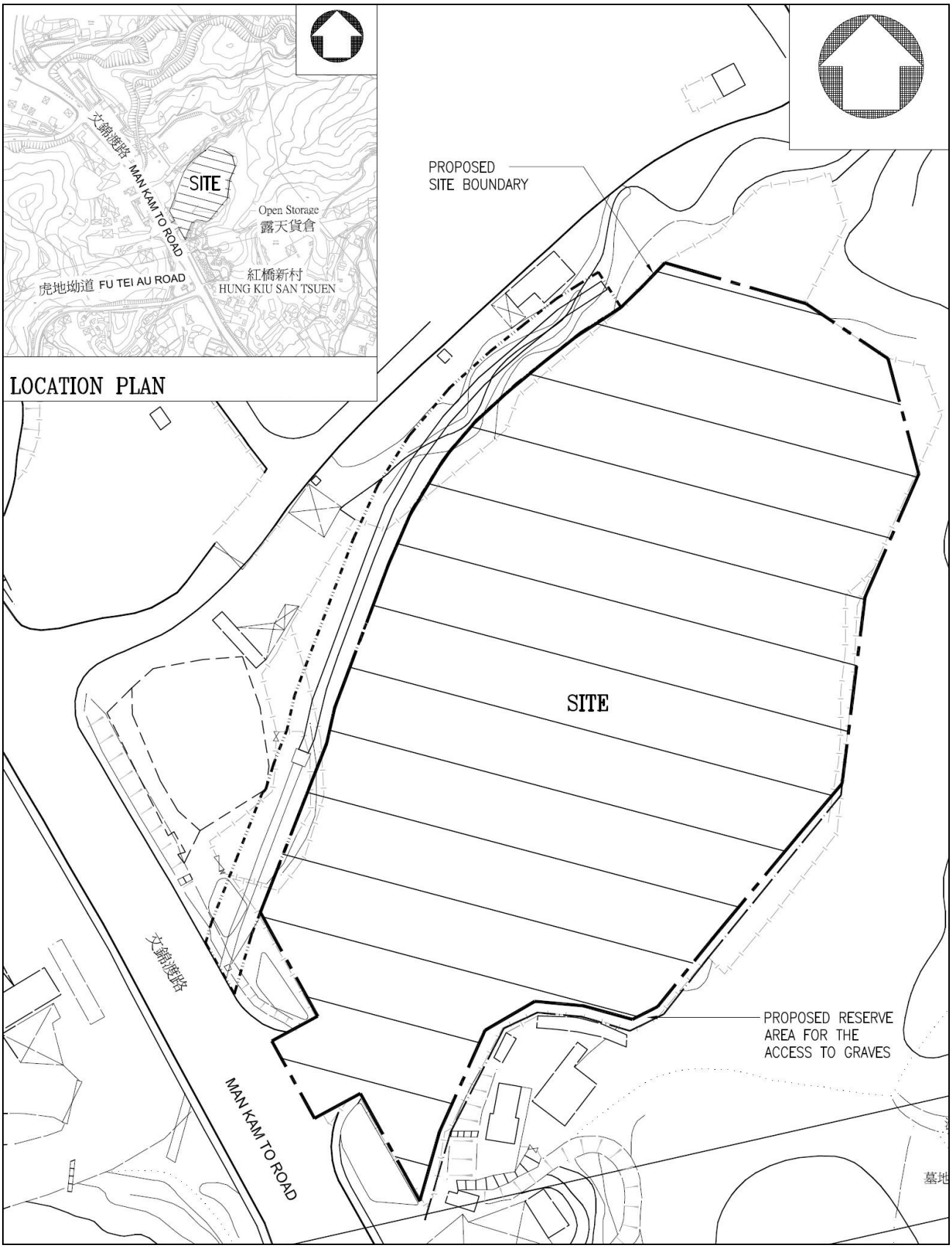


Figure 2-2 Location of the Proposed Site

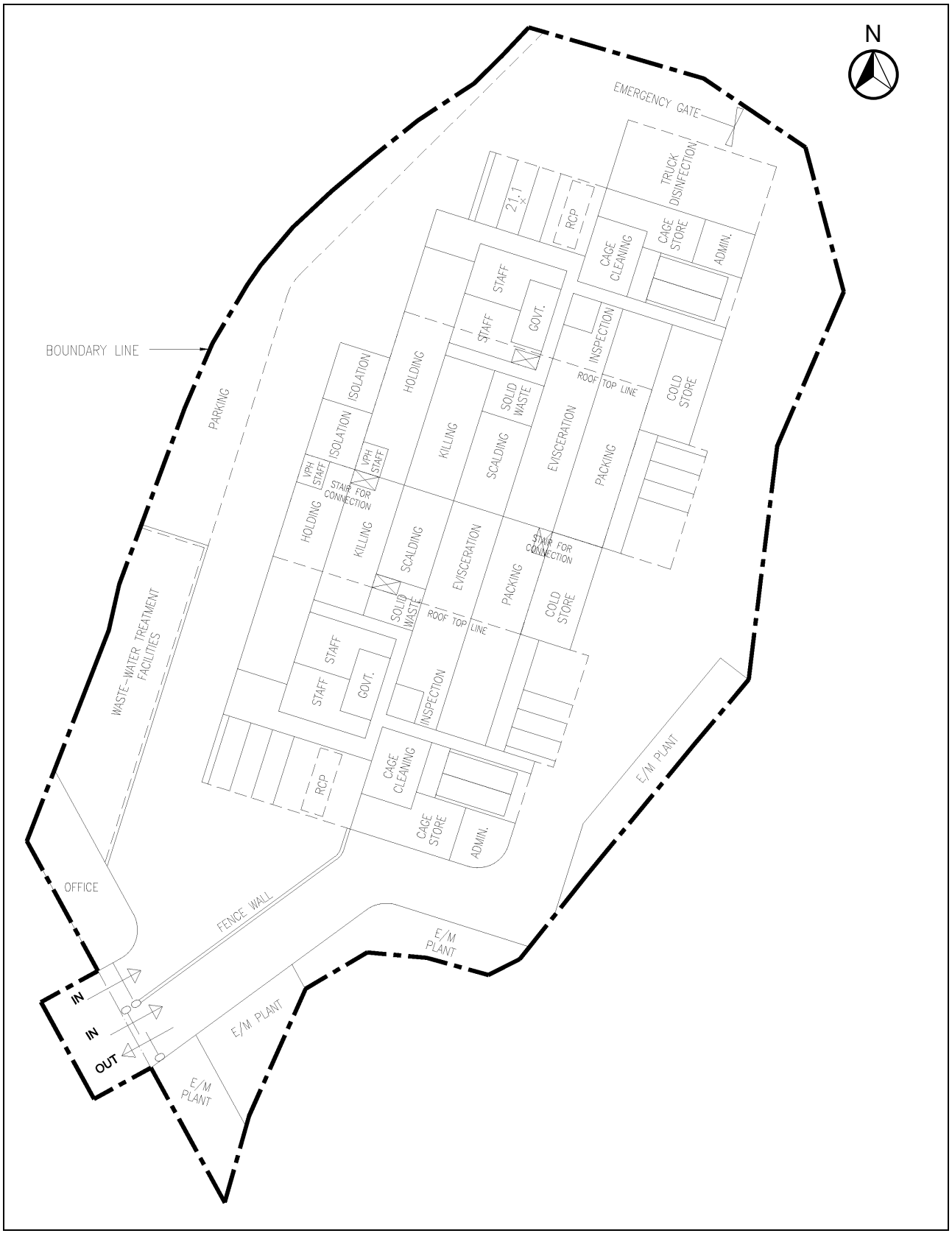


Figure 2-3 PSC Conceptual Design – G/F Layout Plan

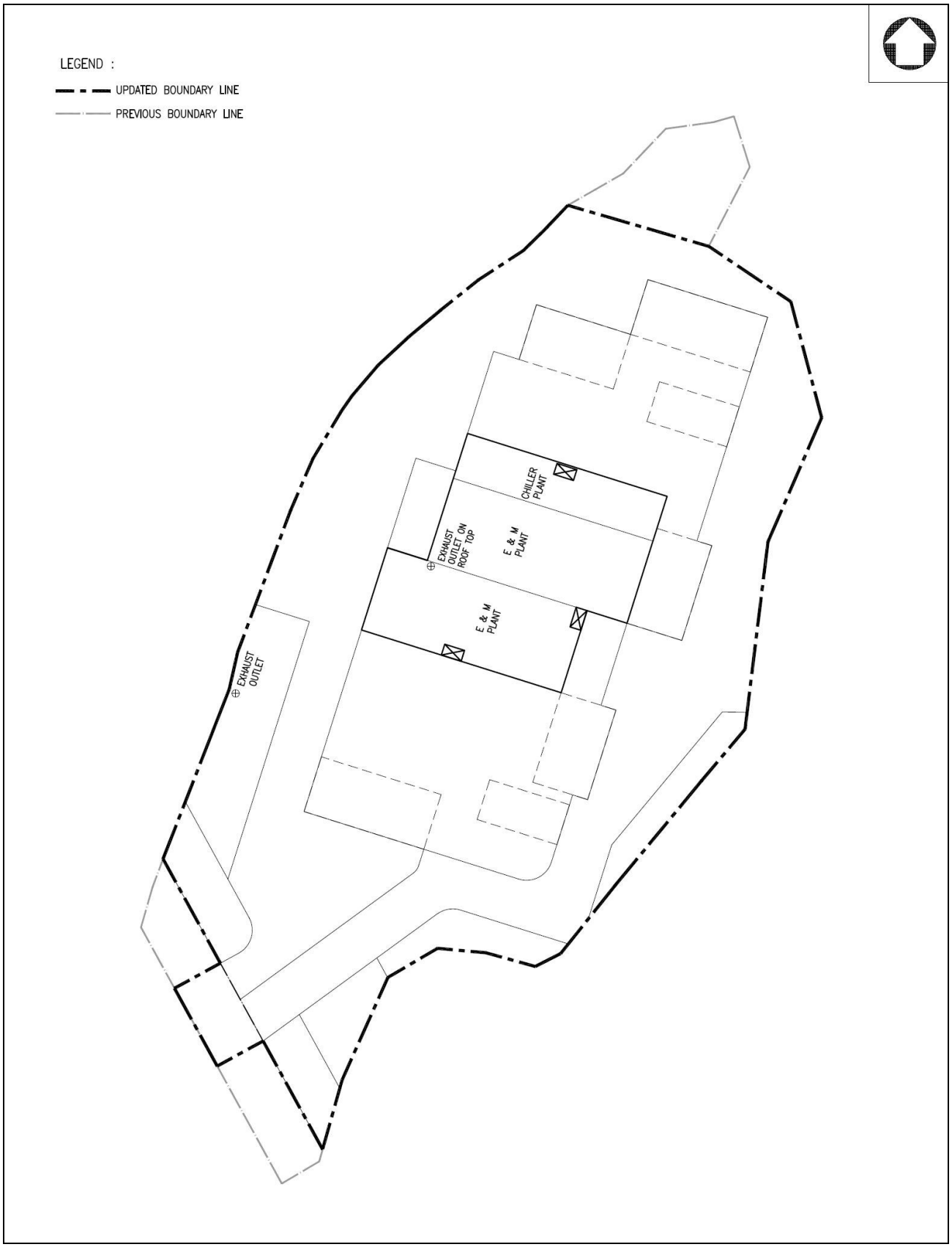


Figure 2-4 PSC Conceptual Design – 1/F Layout Plan

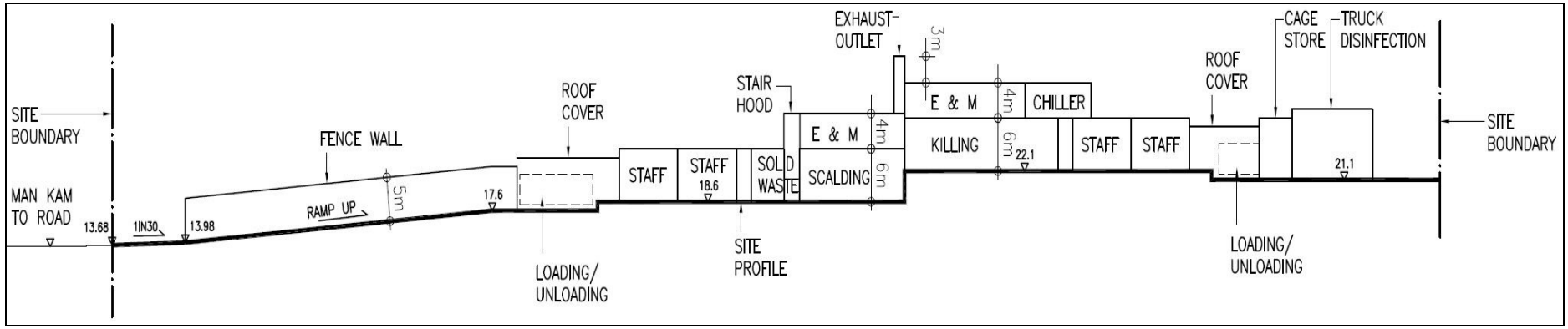


Figure 2-5 PSC Conceptual Design – Elevation (Section A-A from Figure 2-3)

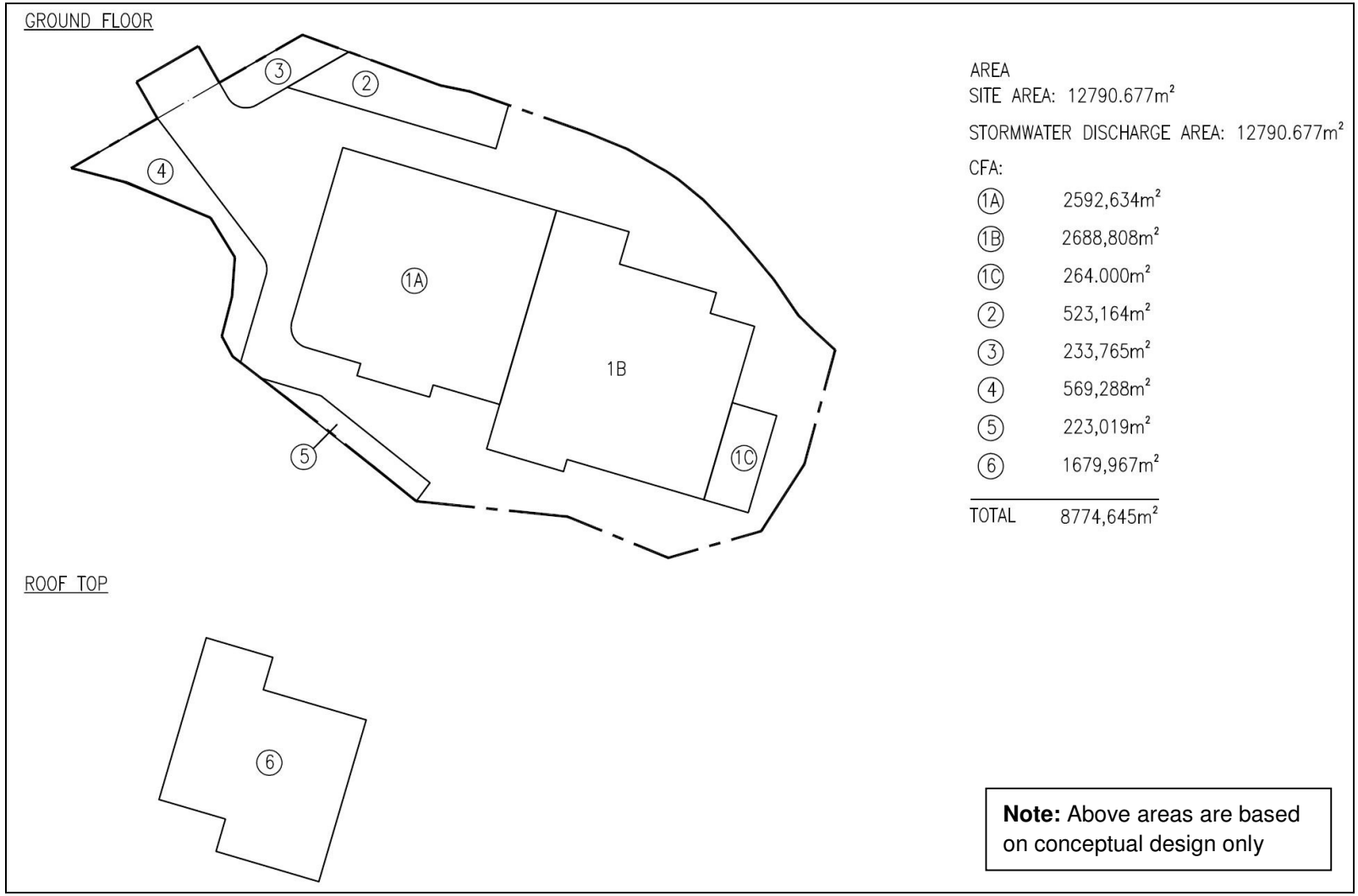


Figure 2-6 PSC Conceptual Design – Area Diagram

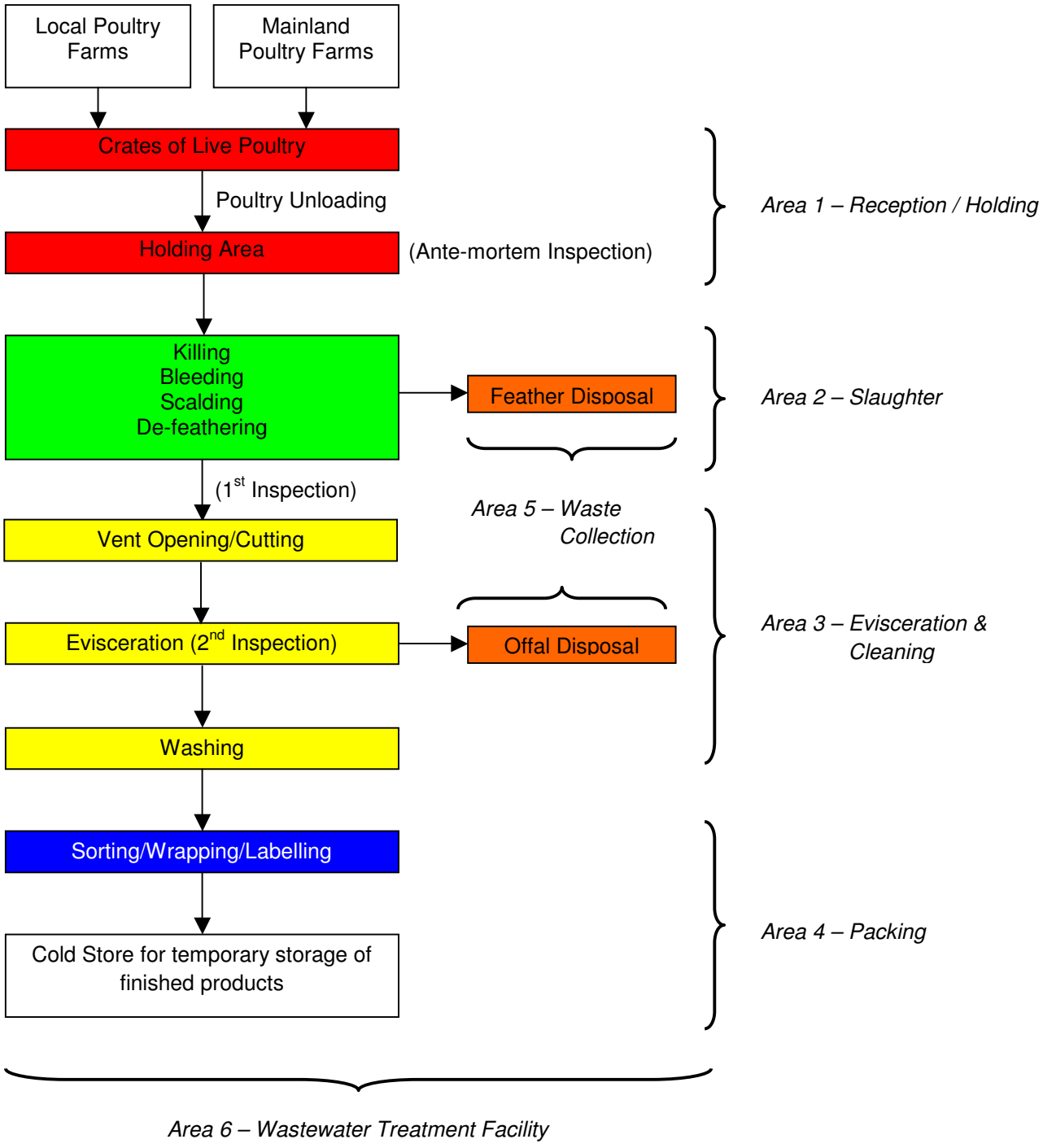
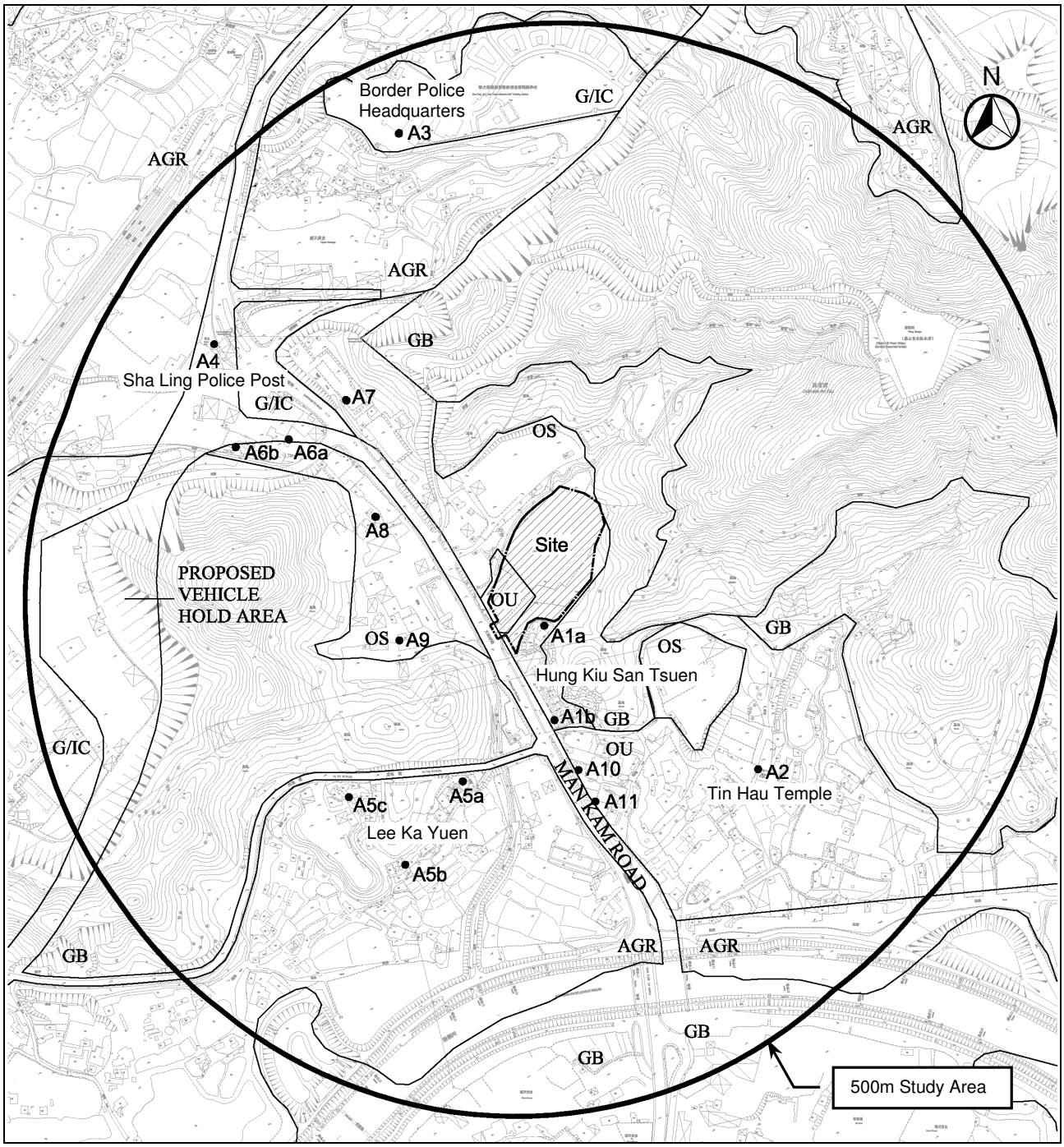


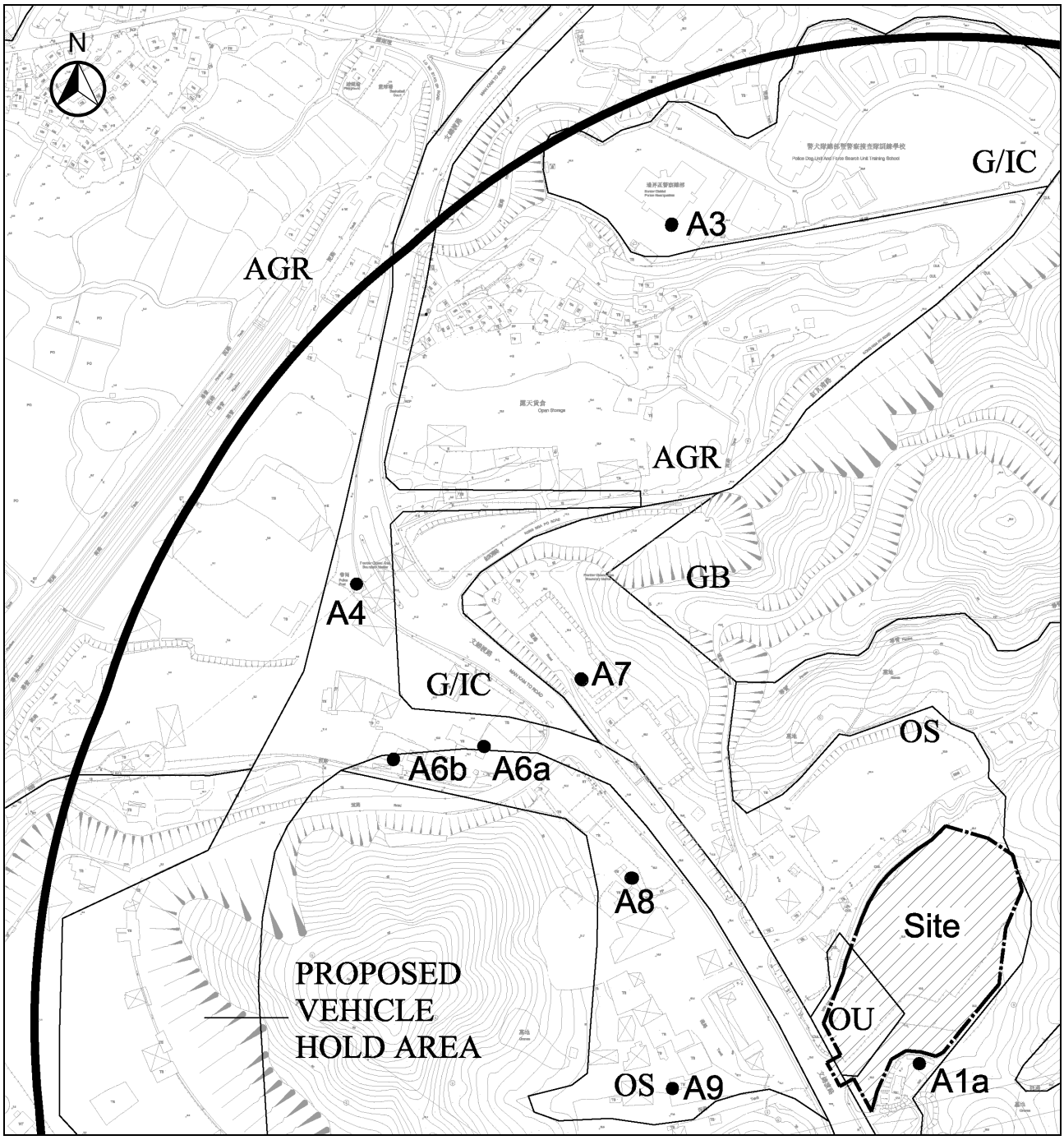
Figure 2-7 Proposed Operation of the PSC



Legend:

A1-A11	Air Sensitive Receiver	GB – Green Belt
AGR	Agriculture	OS – Open Space
G/IC	Government, Institution or Community	OU – Other Specified Uses

Figure 3-1a Location of Planning Zones and ASRs within 500m from the Site



Legend:

A1-A11	Air Sensitive Receiver	GB – Green Belt
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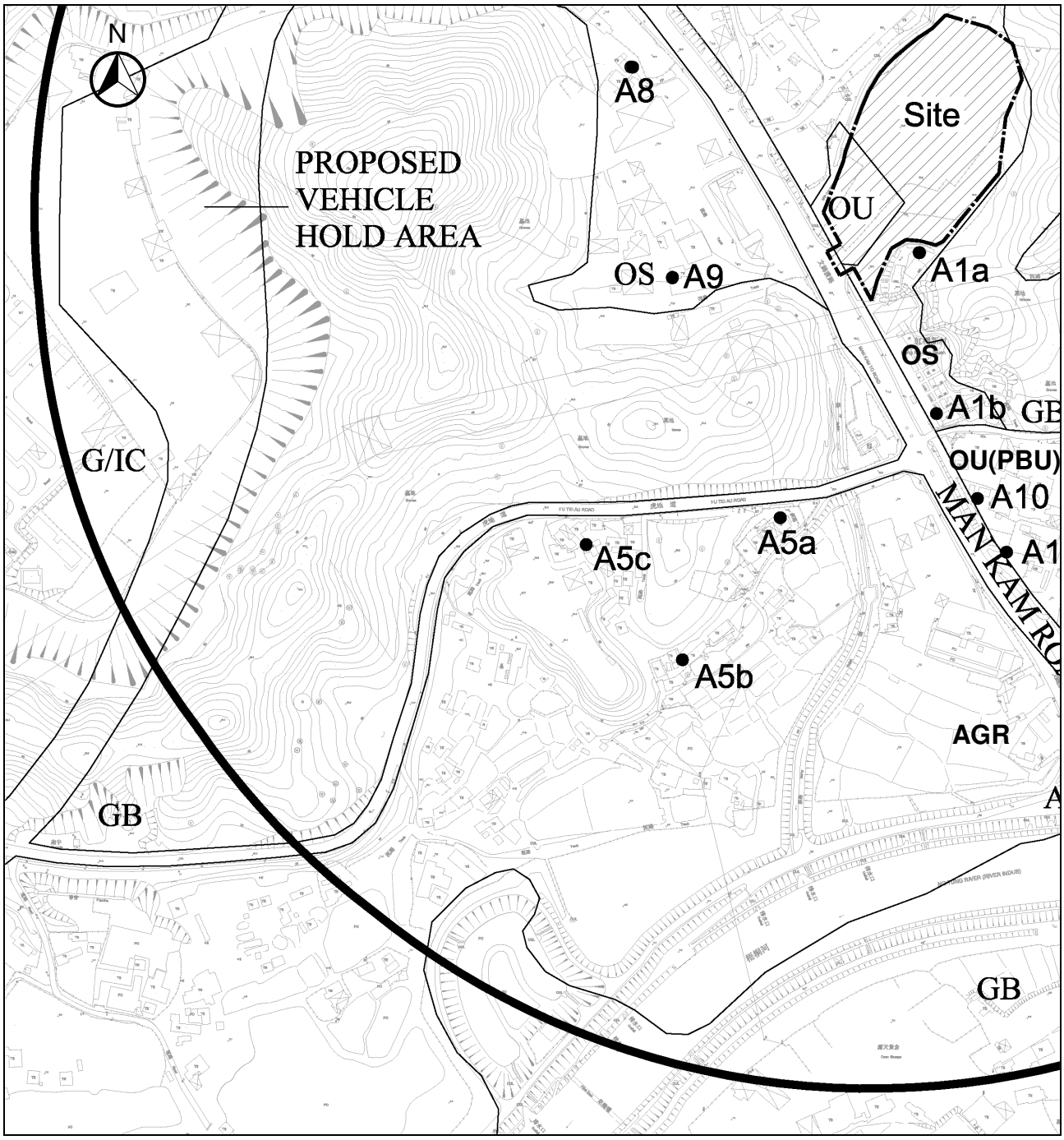
G/IC	Government, Institution or Community	OU – Other Specified Uses

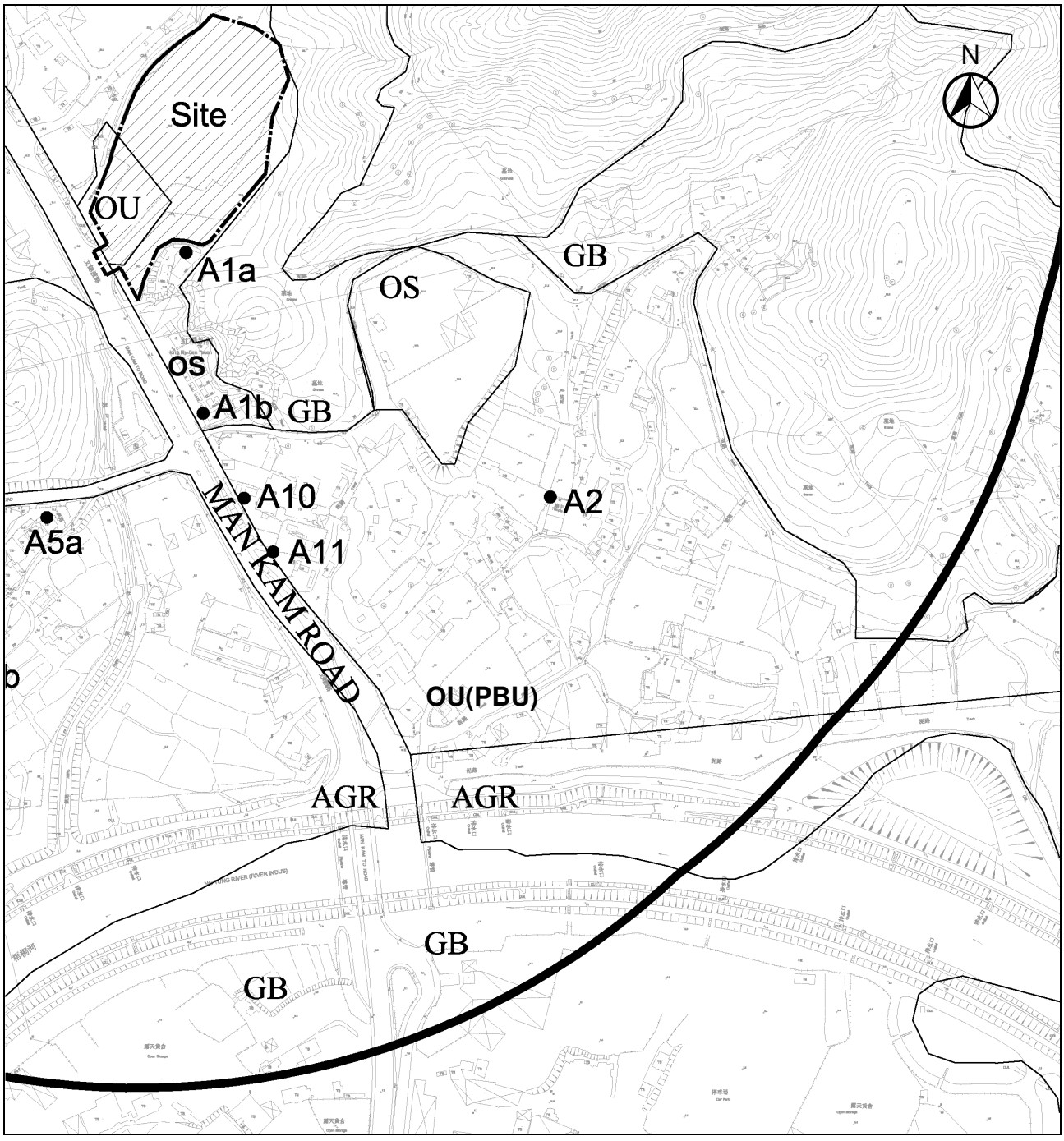
Figure 3-1b Location of Planning Zones and ASRs within 500m from the Site (Close-up of Northwest)



Legend:

A1-A11	Air Sensitive Receiver	GB – Green Belt
AGR	Agriculture	OS – Open Space
G/IC	Government, Institution or Community	OU – Other Specified Uses

Figure 3-1c Location of Planning Zones and ASRs within 500m from the Site (Close-up of Southwest)



Legend:

A1-A11	Air Sensitive Receiver	GB – Green Belt
AGR	Agriculture	OS – Open Space
G/IC	Government, Institution or Community	OU – Other Specified Uses

Figure 3-1d Location of Planning Zones and ASRs within 500m from the Site (Close-up of Southeast)

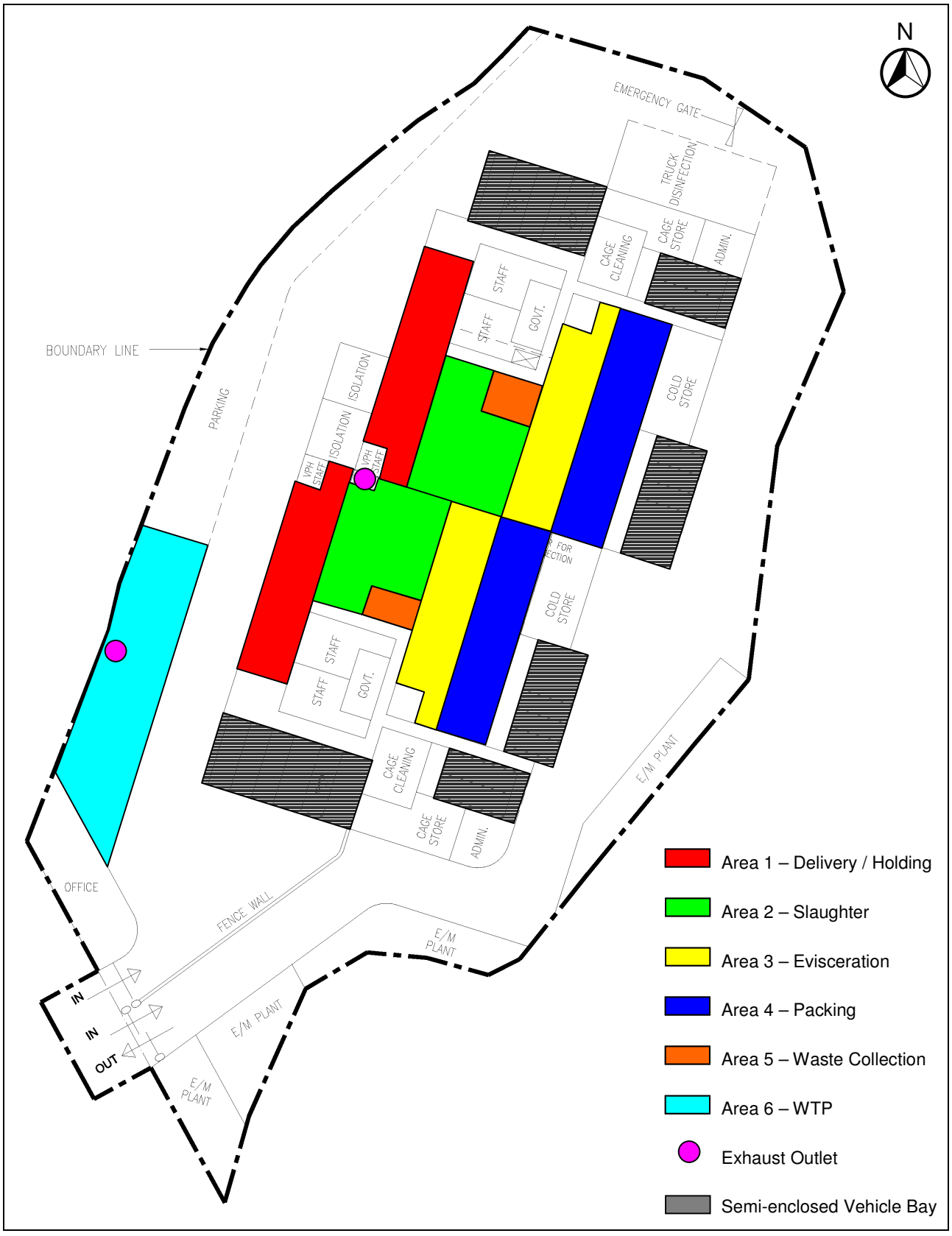


Figure 3-2 Location of Potential Odour Emission Areas Within the PSC

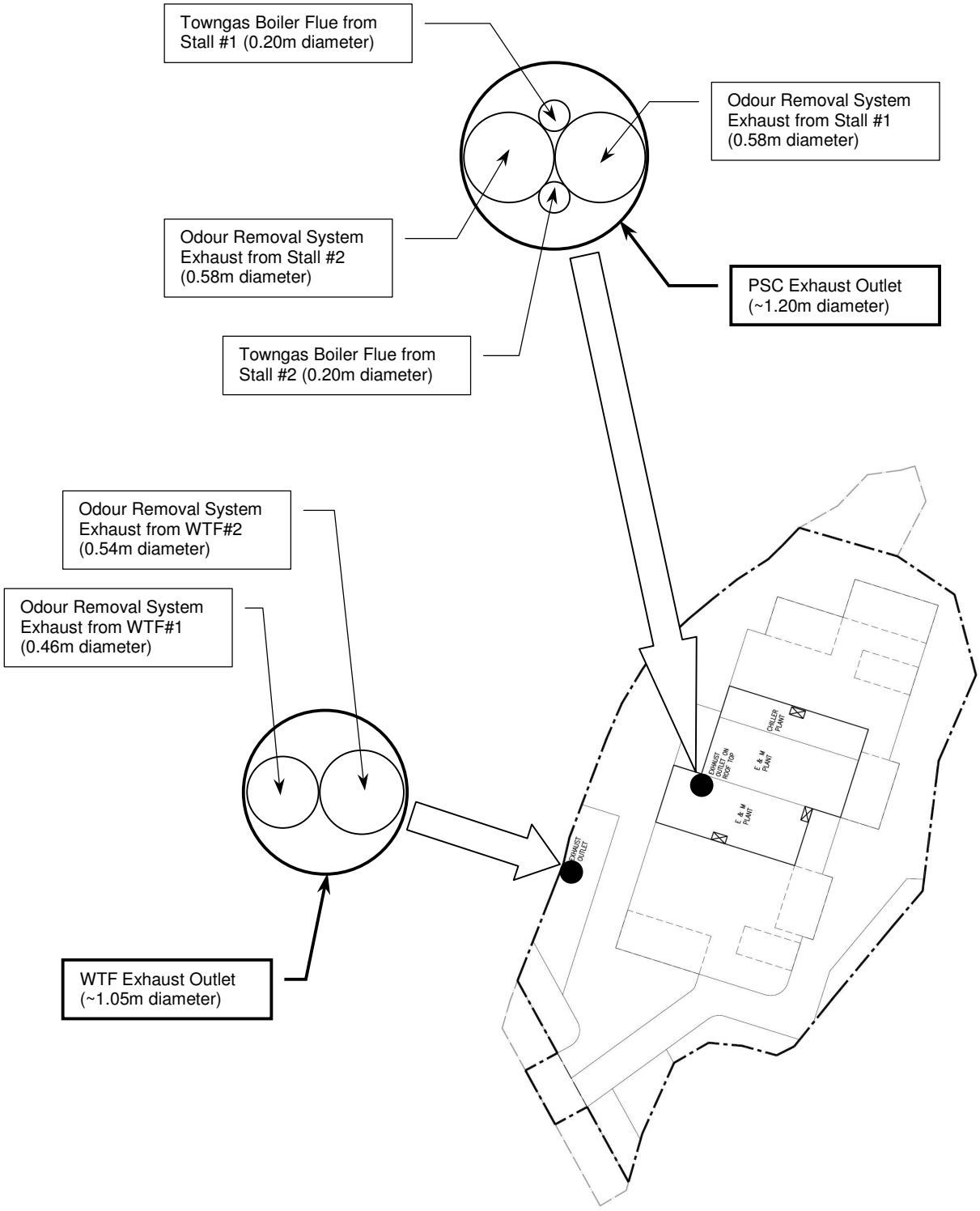
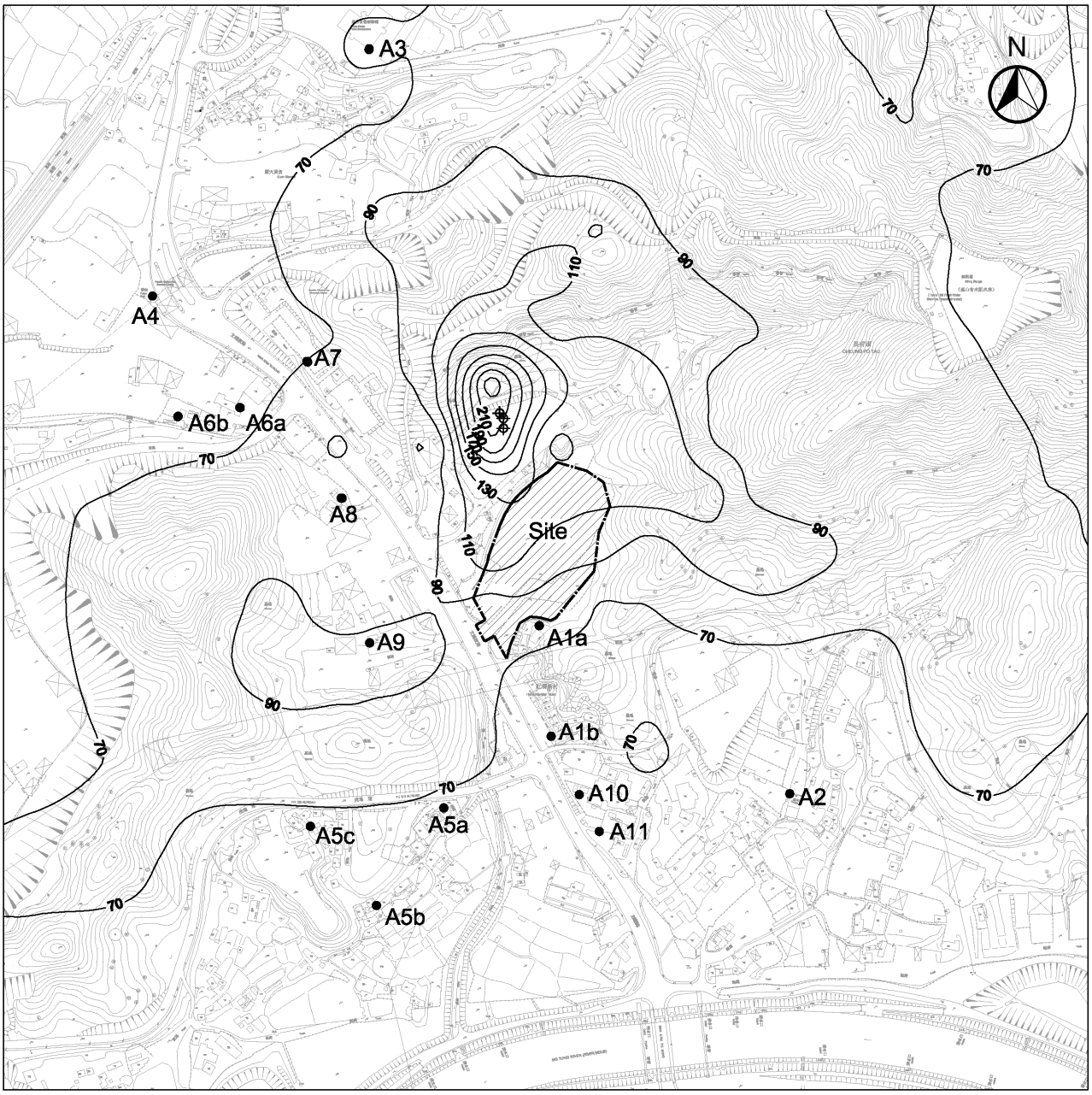


Figure 3-3 Possible Arrangement of Individual Exhaust Points within the Exhaust Outlets

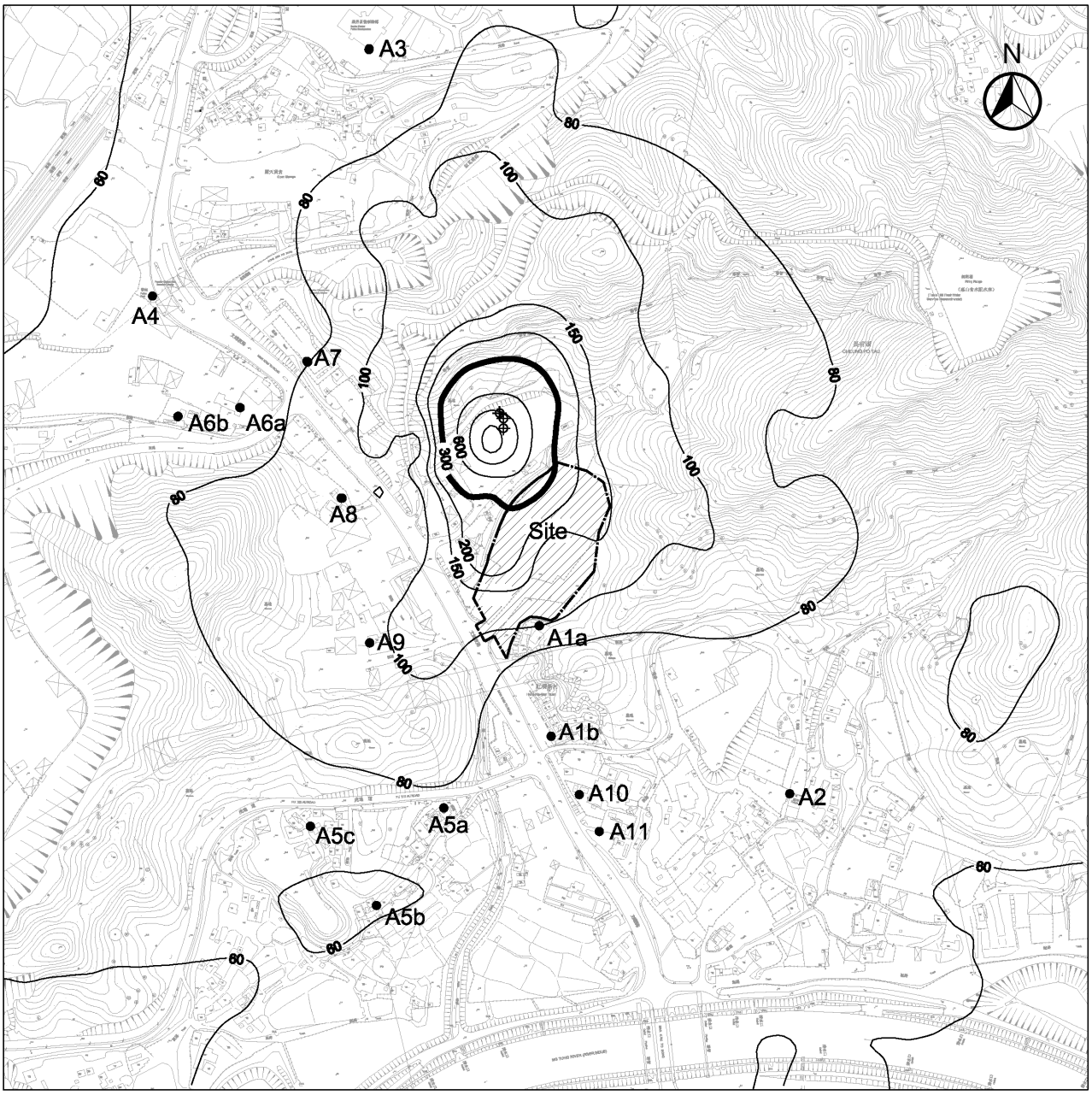


Legend:

Chimneys identified at the abandoned concrete batching plant

Note: The hourly NO_2 concentrations at all ASRs would be below 300µg/m^3

Figure 3-4 Worst-hit 1-hour Average NO_2 Concentration Contour at 4.4mAG



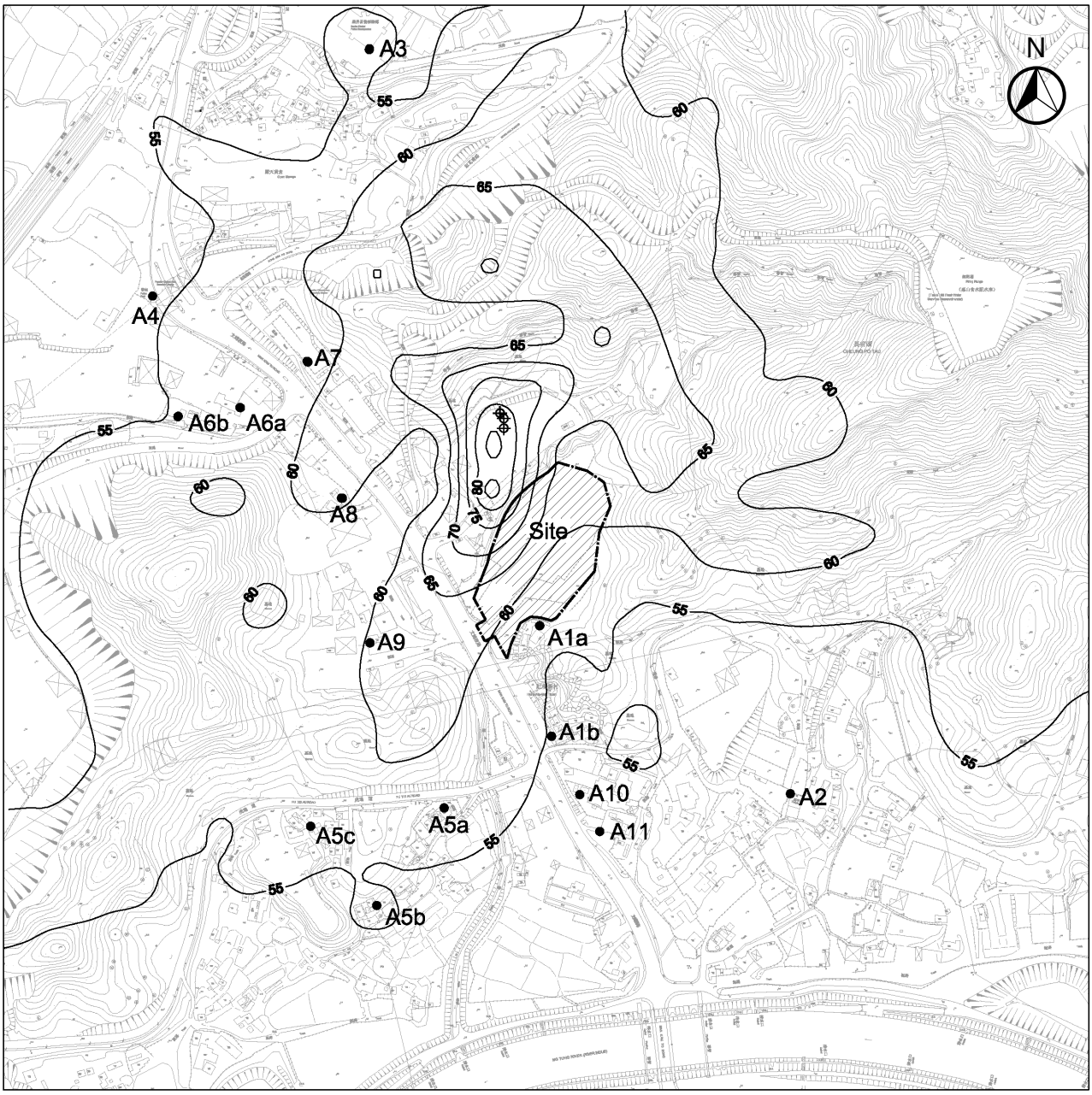
Legend:

⊕ Chimneys identified at the abandoned concrete batching plant

Note: Bold contour shows hourly average NO_2 criterion of 300µg/m^3 under the AQO

The hourly NO_2 concentrations at all ASRs would be below 300µg/m^3

Figure 3-5 Worst-hit 1-hour Average NO_2 Concentration Contour at 10.4mAG

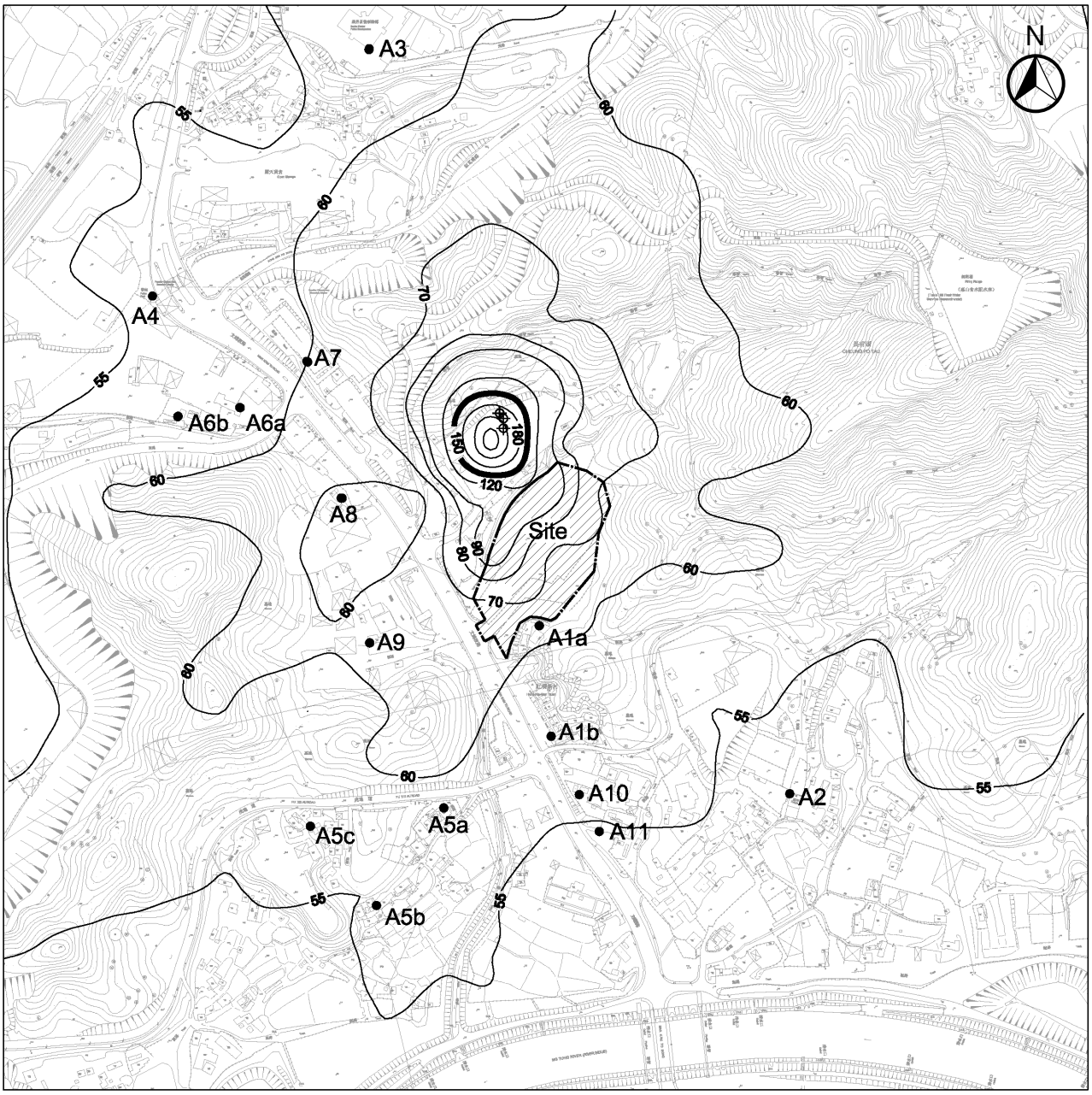


Legend:

Chimneys identified at the abandoned concrete batching plant

Note: The daily NO_2 concentrations at all ASRs would be below 150µg/m^3

Figure 3-6 Worst-hit 24-hour Average NO_2 Concentration Contour at 4.4mAG



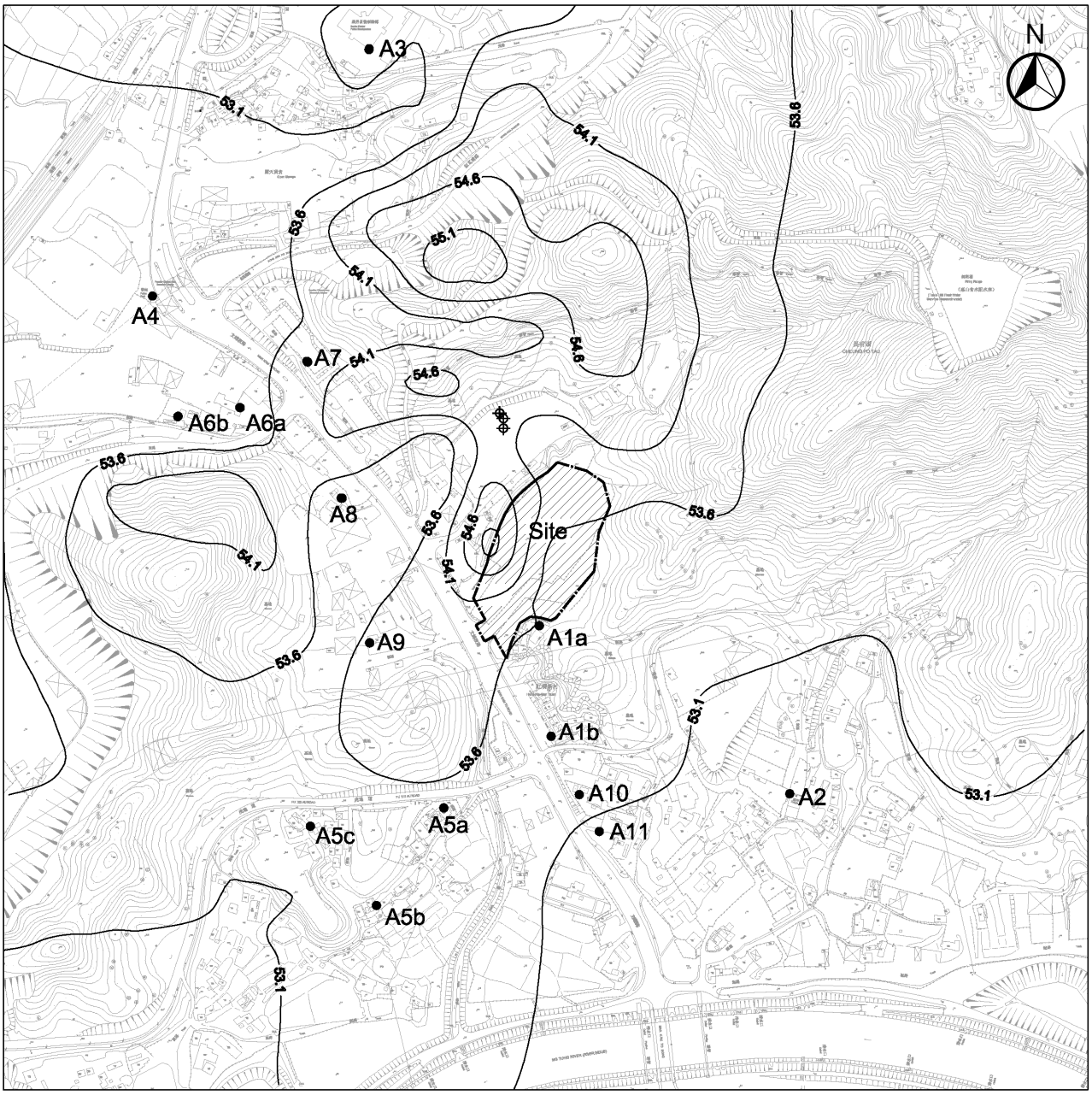
Legend:

Chimneys identified at the abandoned concrete batching plant

Note: Bold contour shows daily average NO_2 criterion of 150µg/m^3 under the AQO

The daily NO_2 concentrations at all ASRs would be below 150µg/m^3

Figure 3-7 Worst-hit 24-hour Average NO_2 Concentration Contour at 13.4mAG

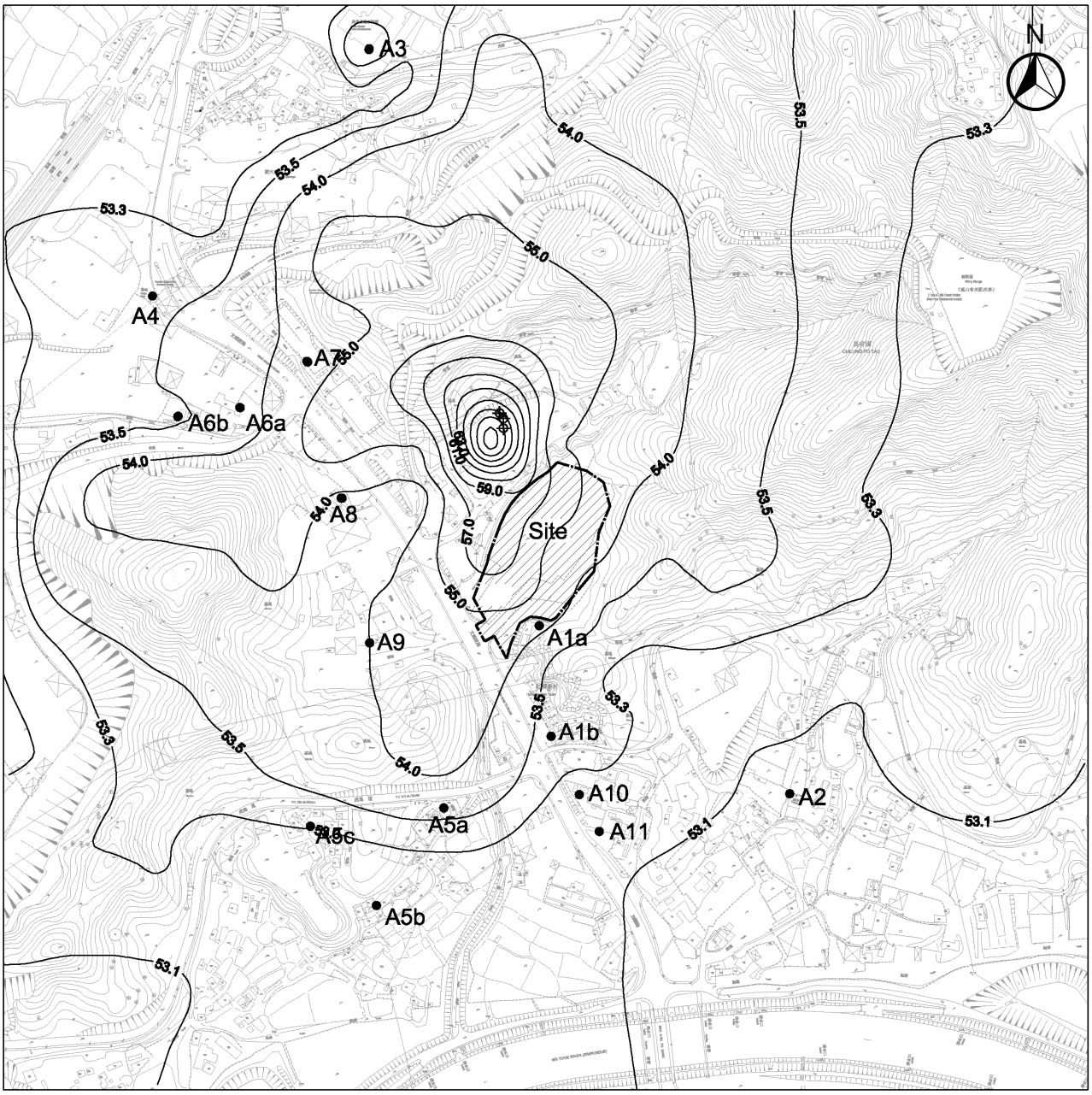


Legend:

⊕ Chimneys identified at the abandoned concrete batching plant

Note: The annual NO_2 concentrations at all ASRs would be below 80µg/m^3

Figure 3-8 Worst-hit Annual Average NO_2 Concentration Contour at 4.4mAG

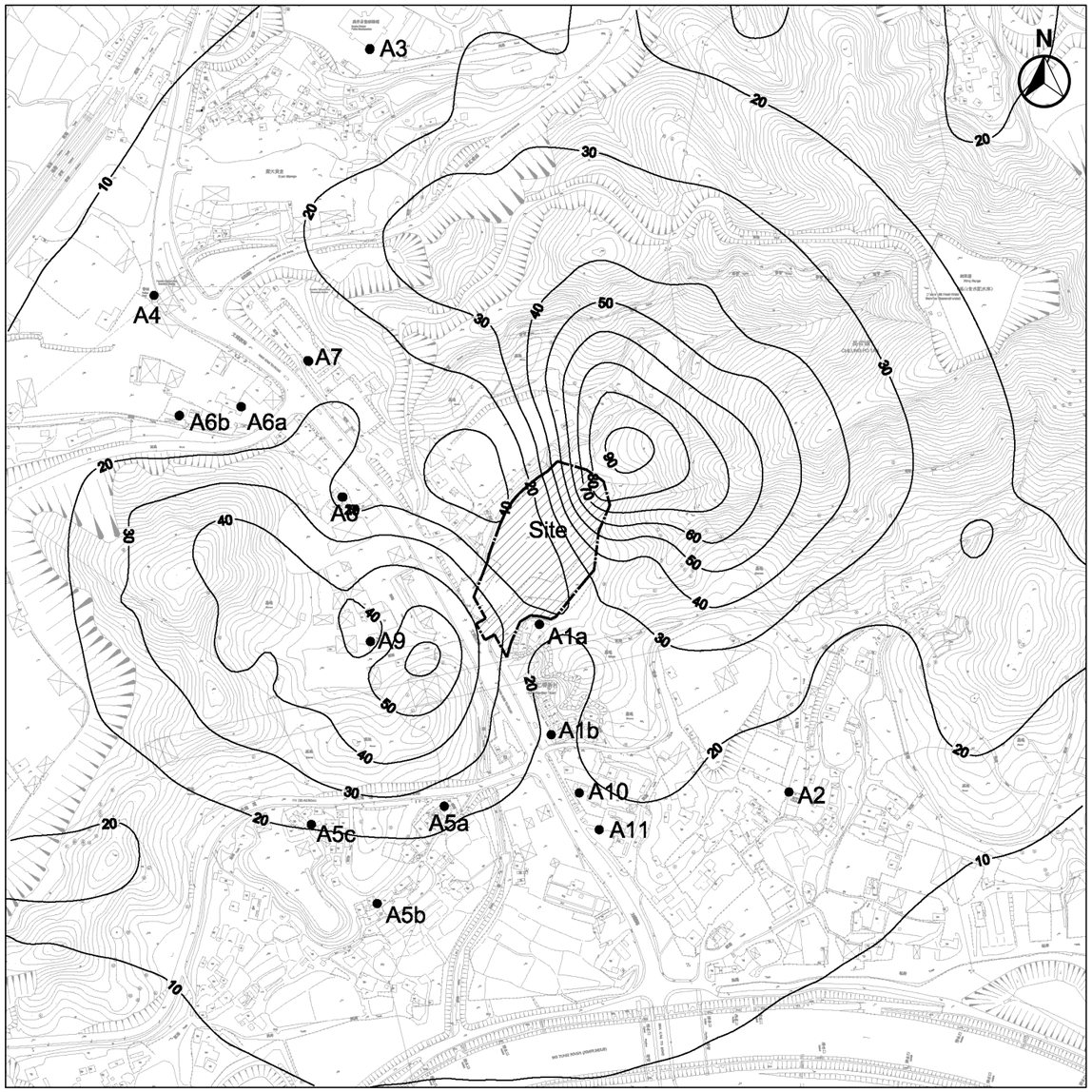


Legend:

⊕ Chimneys identified at the abandoned concrete batching plant

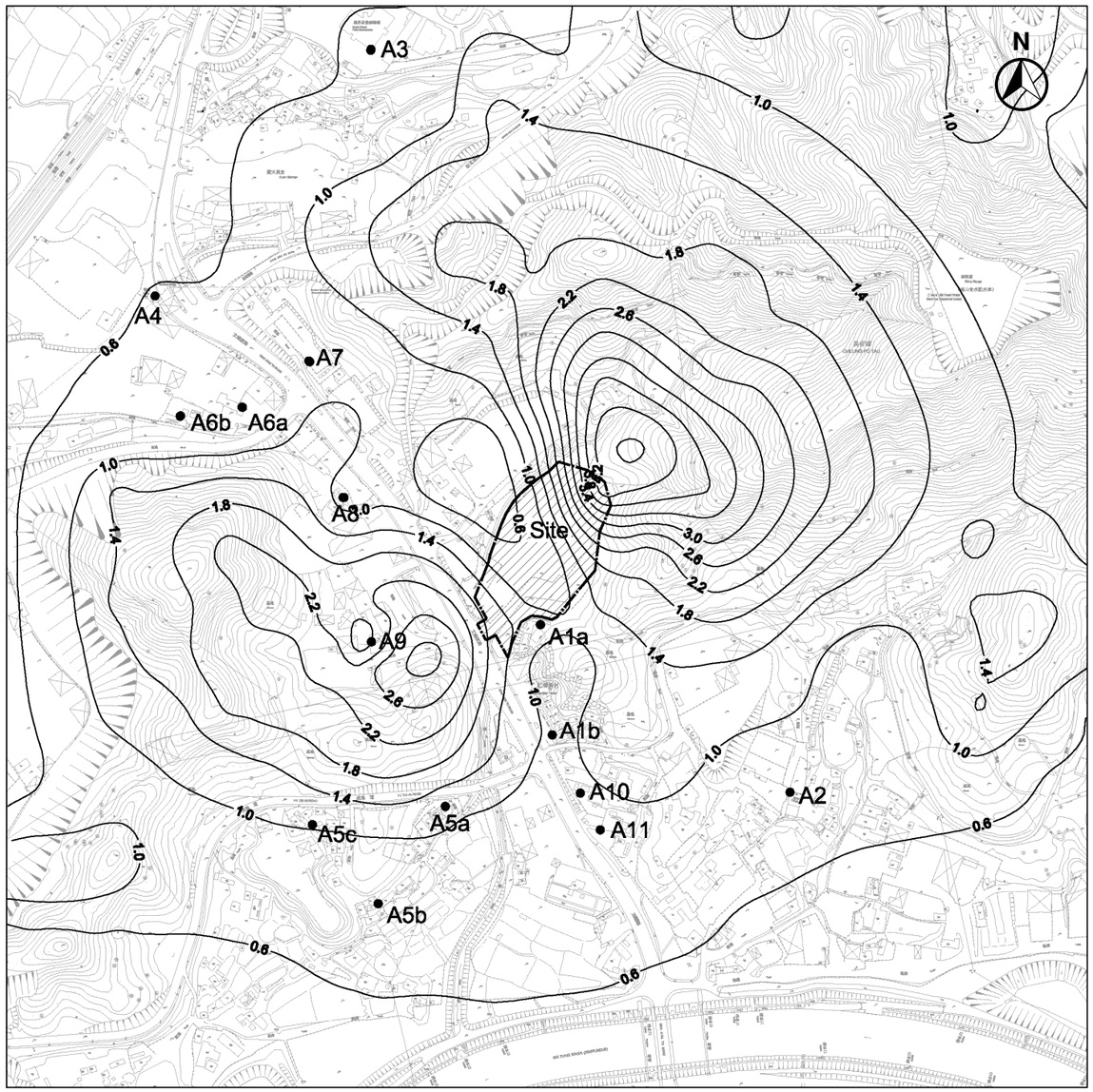
Note: The annual NO_2 concentrations at all ASRs would be below 80µg/m^3

Figure 3-9 Worst-hit Annual Average NO_2 Concentration Contour at 13.4mAG



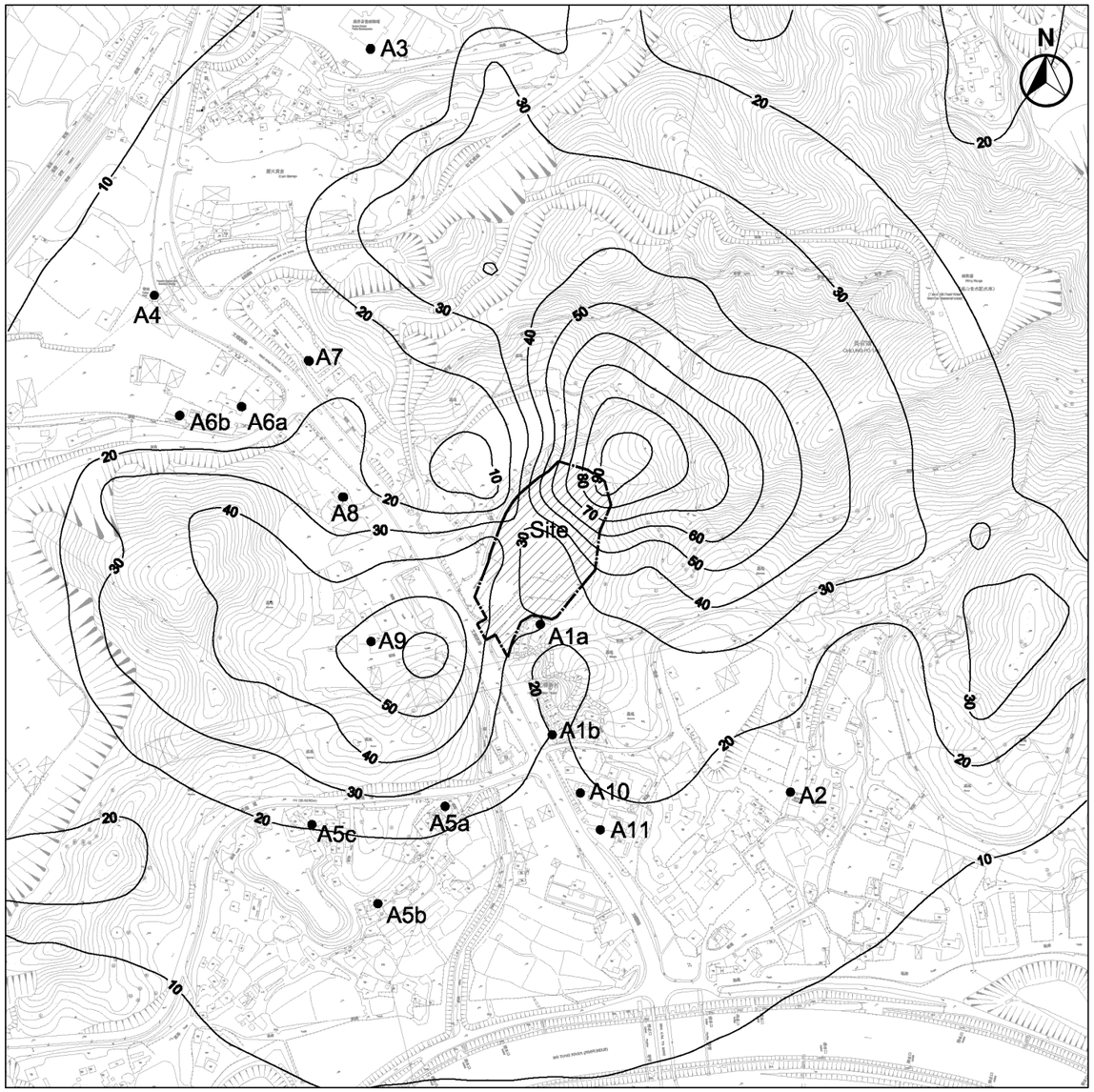
Note: All contours exceed the 5OU criterion

Figure 3-10 Worst-hit 5-second Average Odour Concentration Contour at 1.4mAG – Unmitigated



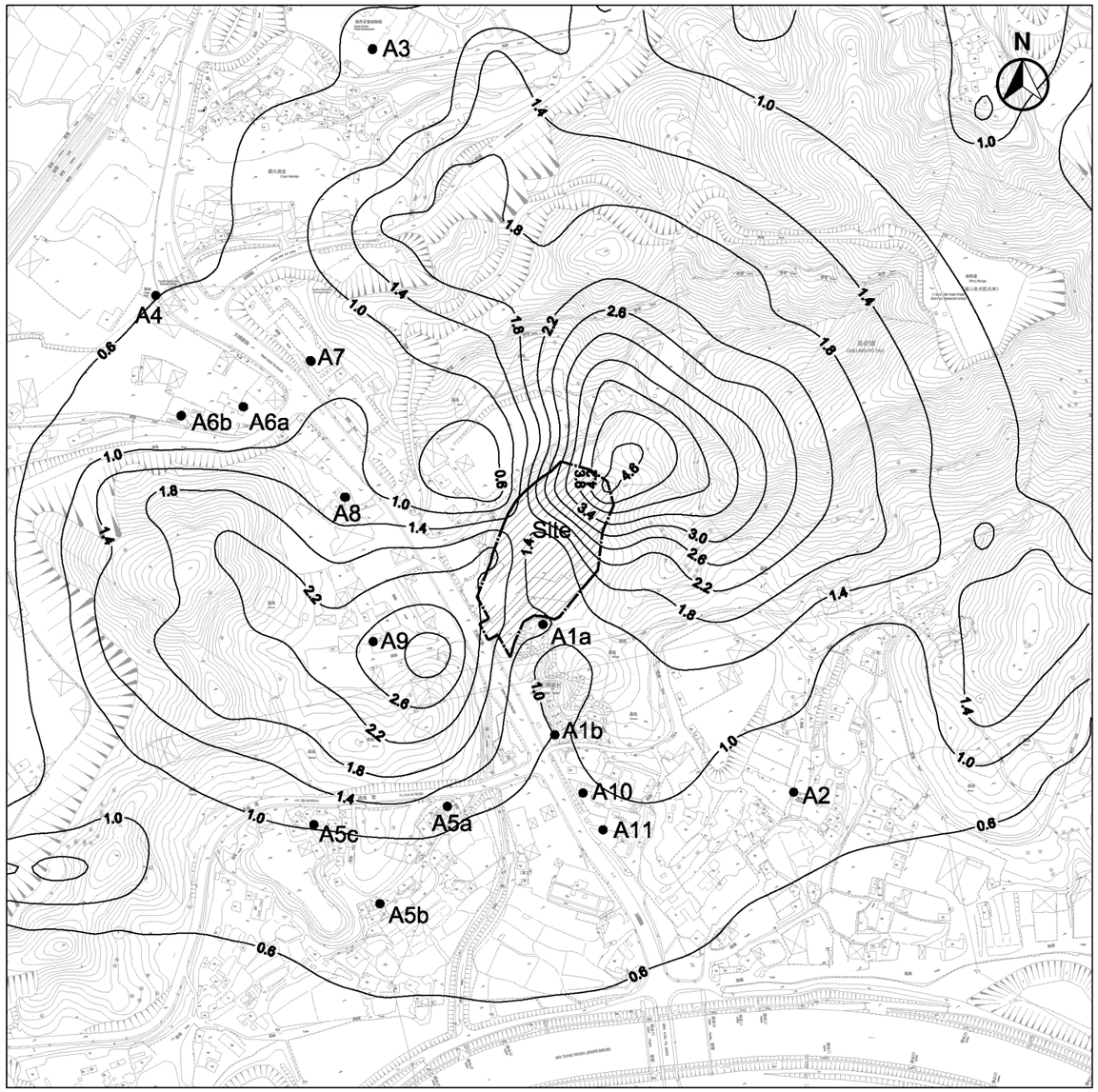
Note: The odour concentrations at all ASRs are below 5OU criterion

Figure 3-11 Worst-hit 5-second Average Odour Concentration Contour at 1.4mAG – Mitigated



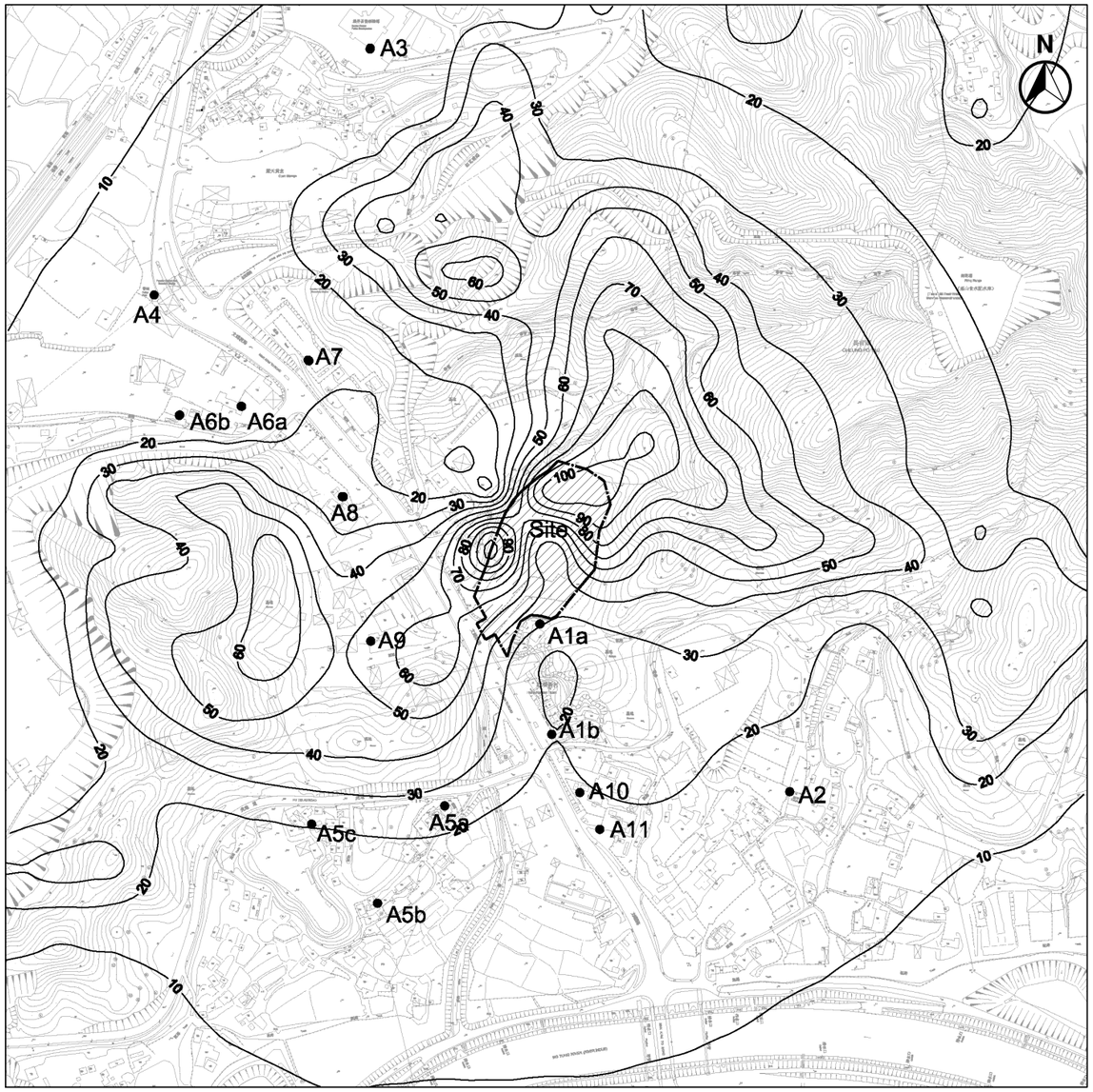
Note: All contours exceed the 5OU criterion

Figure 3-12 Worst-hit 5-second Average Odour Concentration Contour at 4.4mAG – Unmitigated



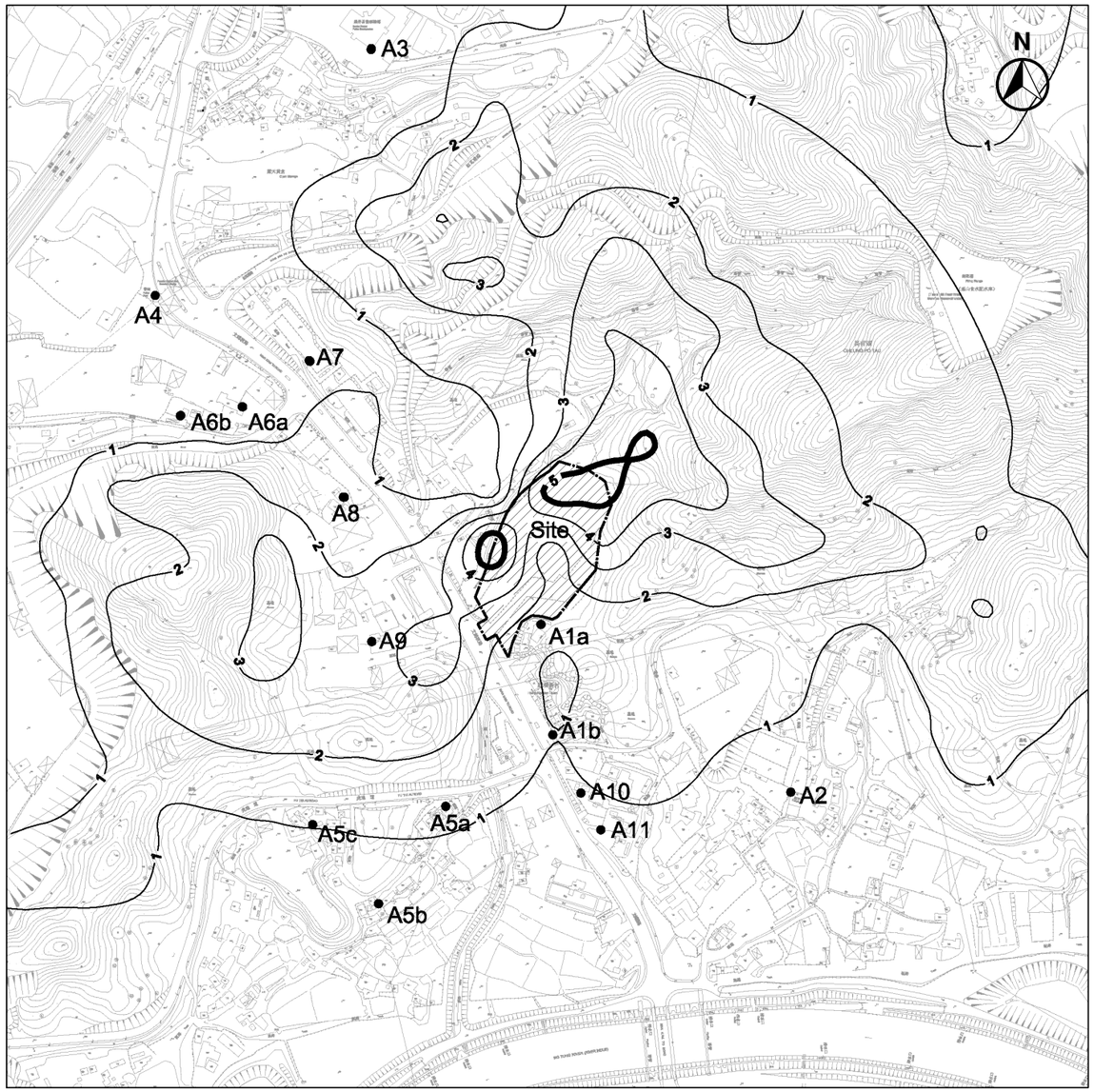
Note: The odour concentrations at all ASRs are below 5OU criterion

Figure 3-13 Worst-hit 5-second Average Odour Concentration Contour at 4.4mAG – Mitigated



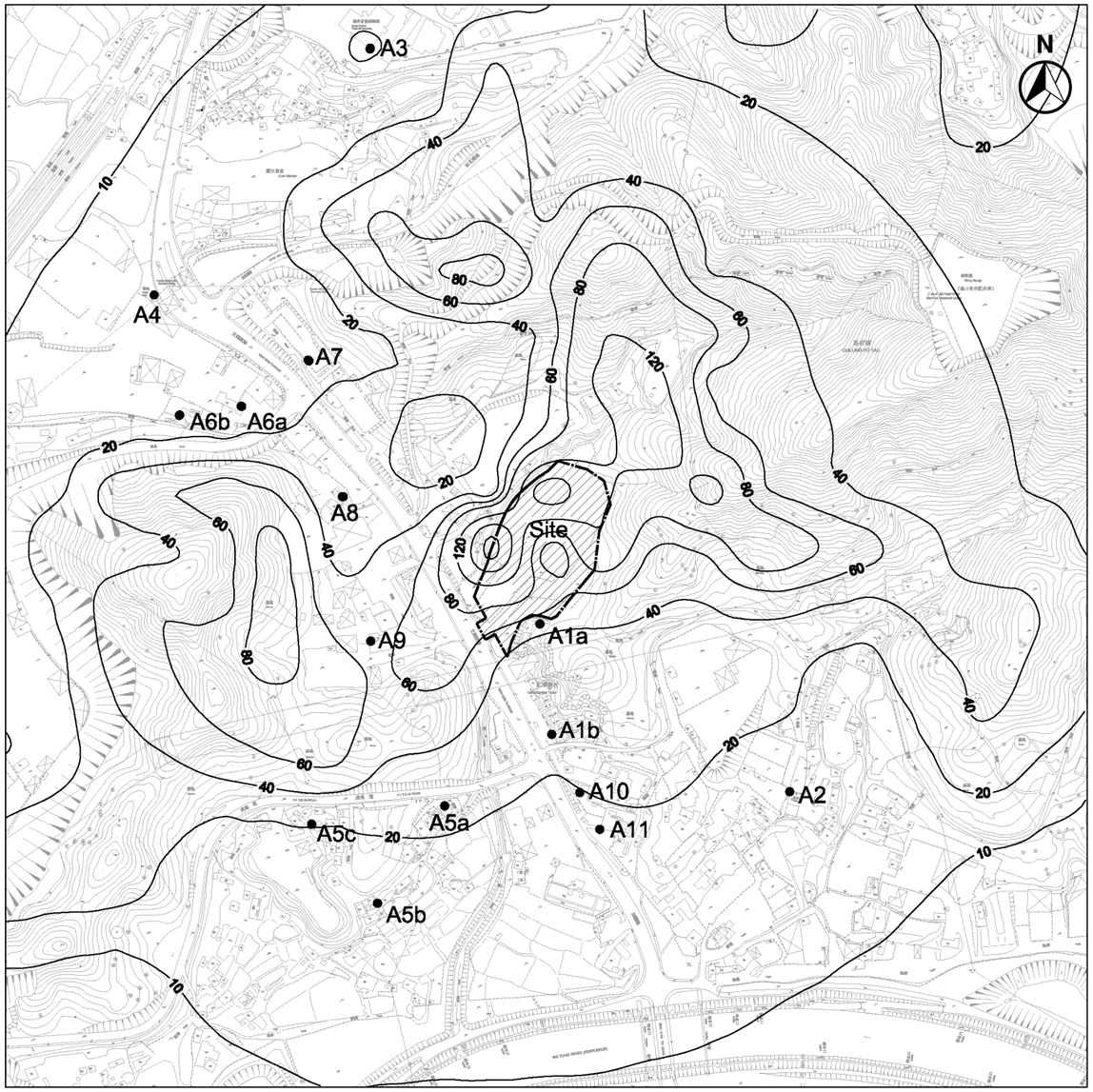
Note: All contours exceed the 5OU criterion

Figure 3-14 Worst-hit 5-second Average Odour Concentration Contour at 7.4mAG – Unmitigated



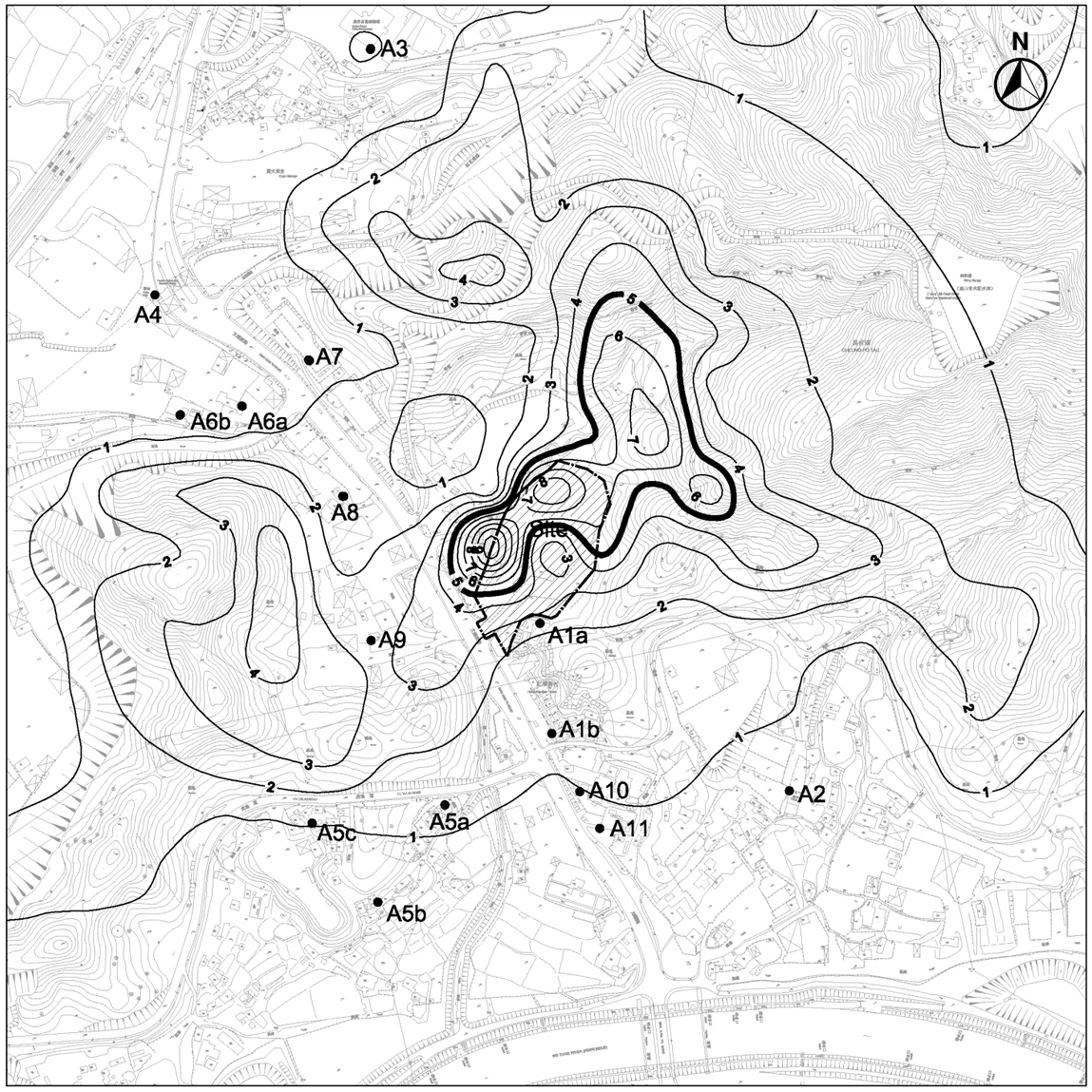
Note: Bold contour shows 5OU criterion; the odour concentrations at all ASRs are below 5OU criterion

Figure 3-15 Worst-hit 5-second Average Odour Concentration Contour at 7.4mAG – Mitigated



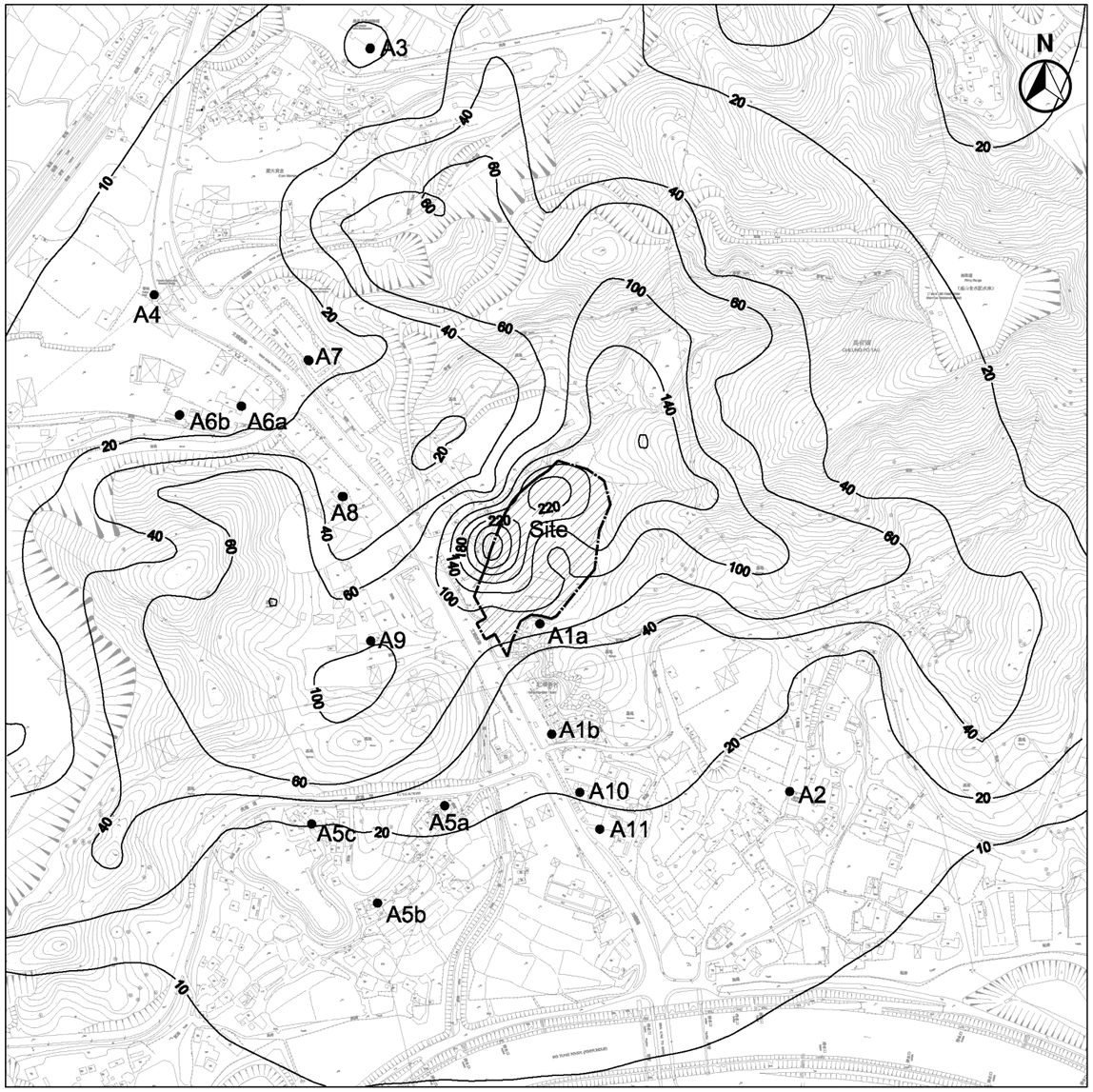
Note: All contours exceed the 5OU criterion

Figure 3-16 Worst-hit 5-second Average Odour Concentration Contour at 10.4mAG – Unmitigated



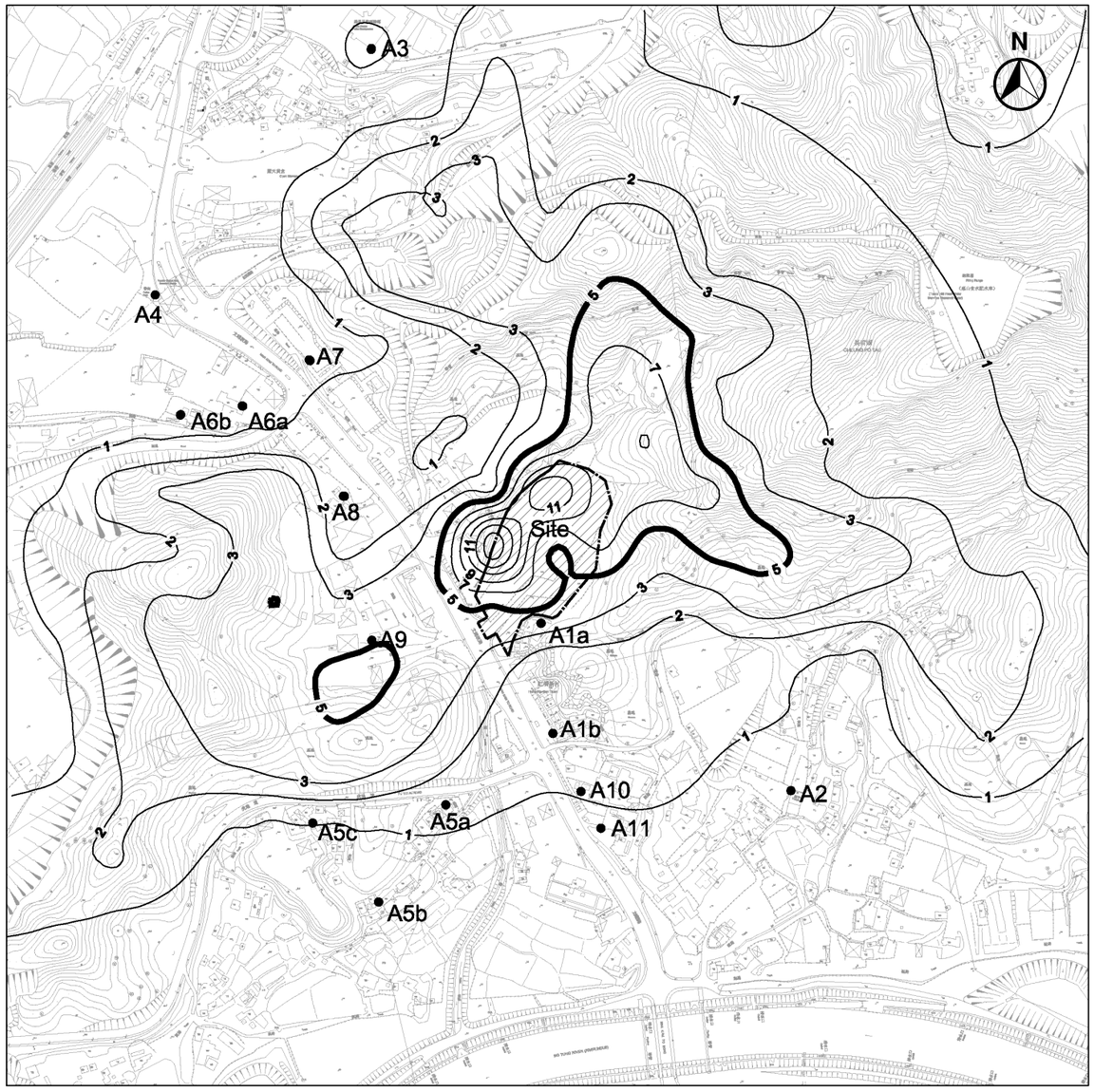
Note: Bold contour shows 5OU criterion; the odour concentrations at all ASRs are below 5OU criterion

Figure 3-17 Worst-hit 5-second Average Odour Concentration Contour at 10.4mAG – Mitigated



Note: All contours exceed the 5OU criterion

Figure 3-18 Worst-hit 5-second Average Odour Concentration Contour at 13.4mAG – Unmitigated



Note: Bold contour shows 5OU criterion; the odour concentrations at all ASRs are below 5OU criterion

Figure 3-19 Worst-hit 5-second Average Odour Concentration Contour at 13.4mAG – Mitigated

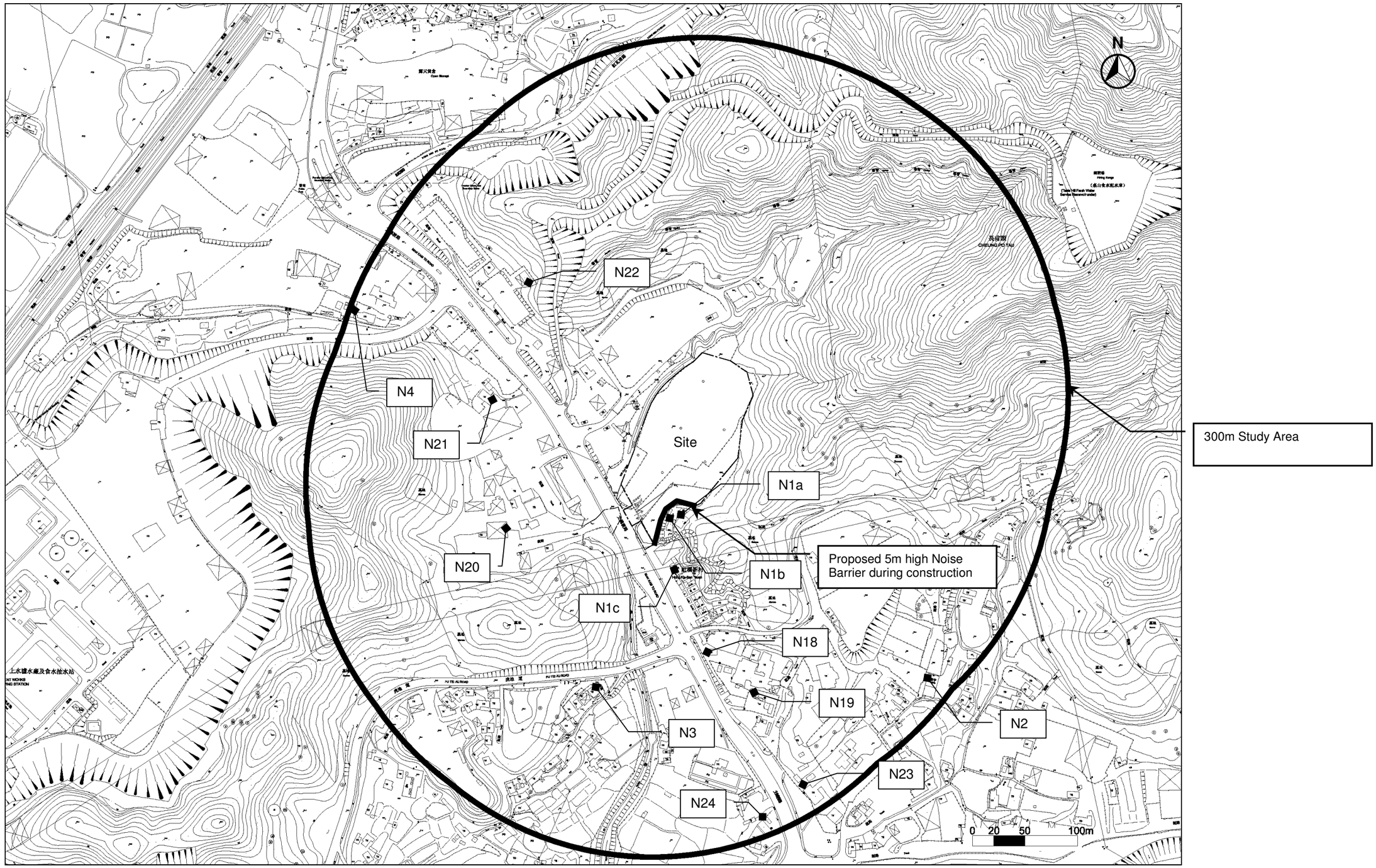


Figure 4-1 Locations of NSRs for Construction and Operation Phases

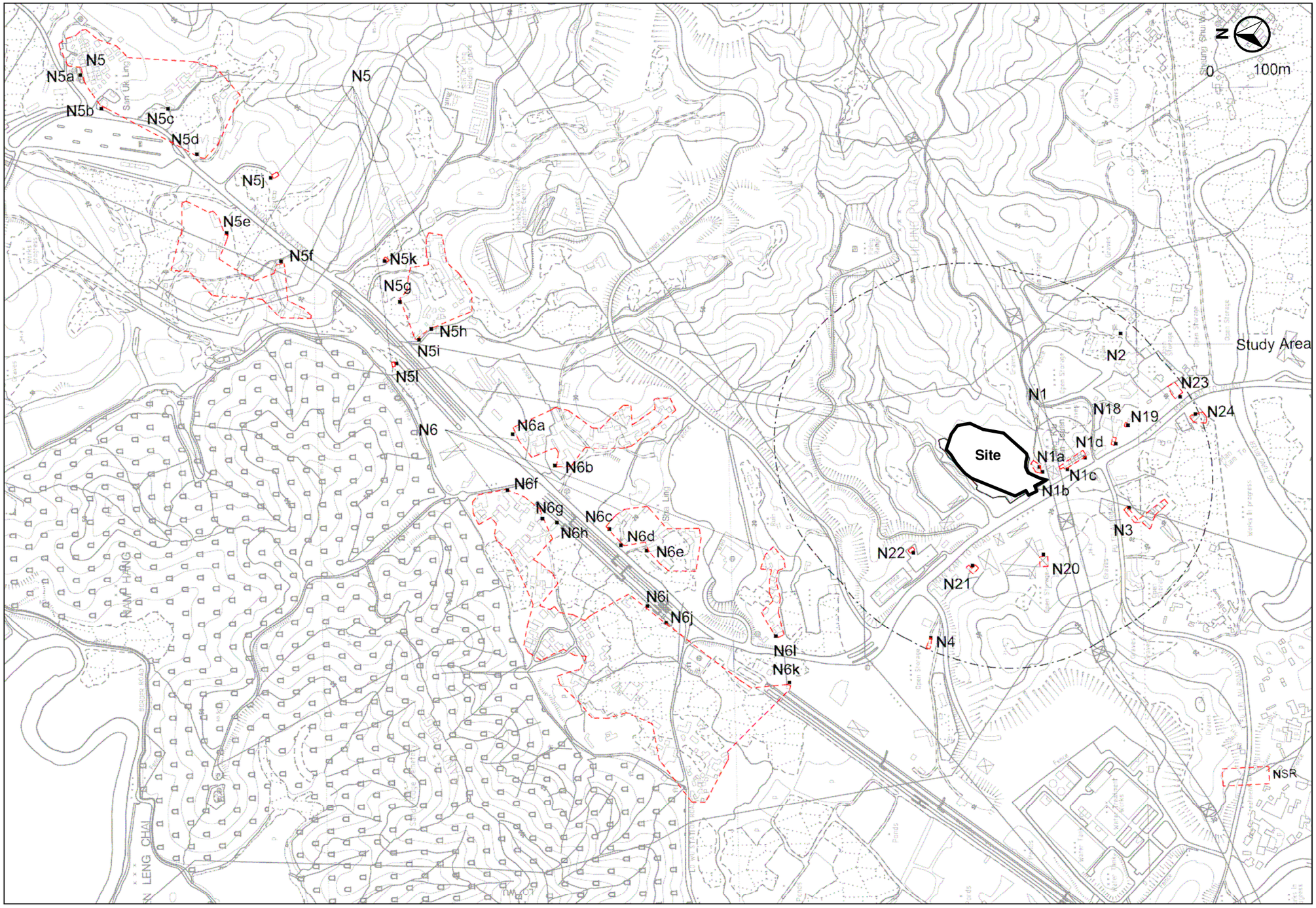


Figure 4-2a Locations of Assessment Points for Operation (Traffic) Noise (Co-ordinates of the NSRs are shown in *Appendix 2-5*)

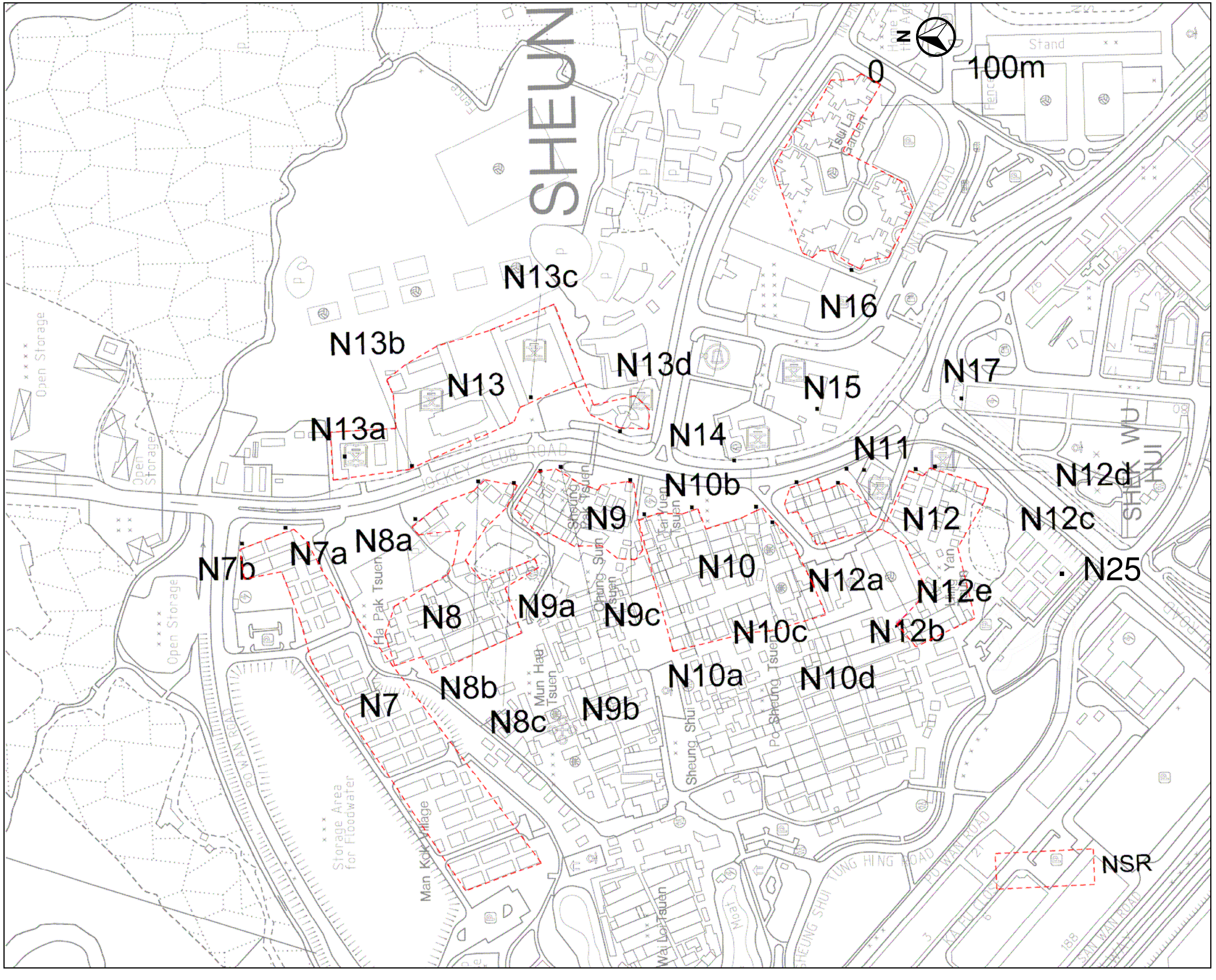


Figure 4-2b Locations of Assessment Points for Operation (Traffic) Noise (Co-ordinates of the NSRs are shown in *Appendix 2-5*)

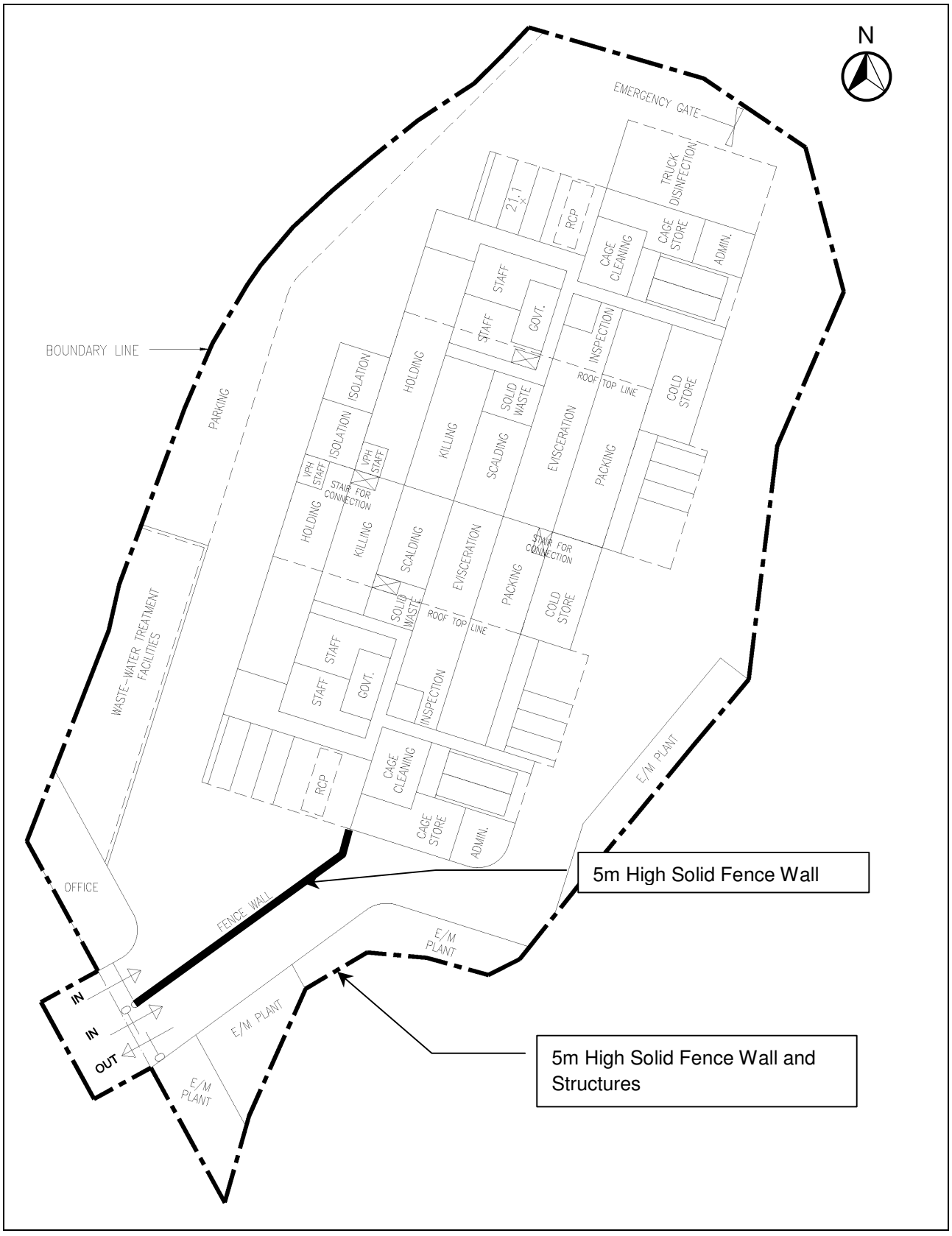


Figure 4-3 Proposed Heights of the Fence Walls and Structures

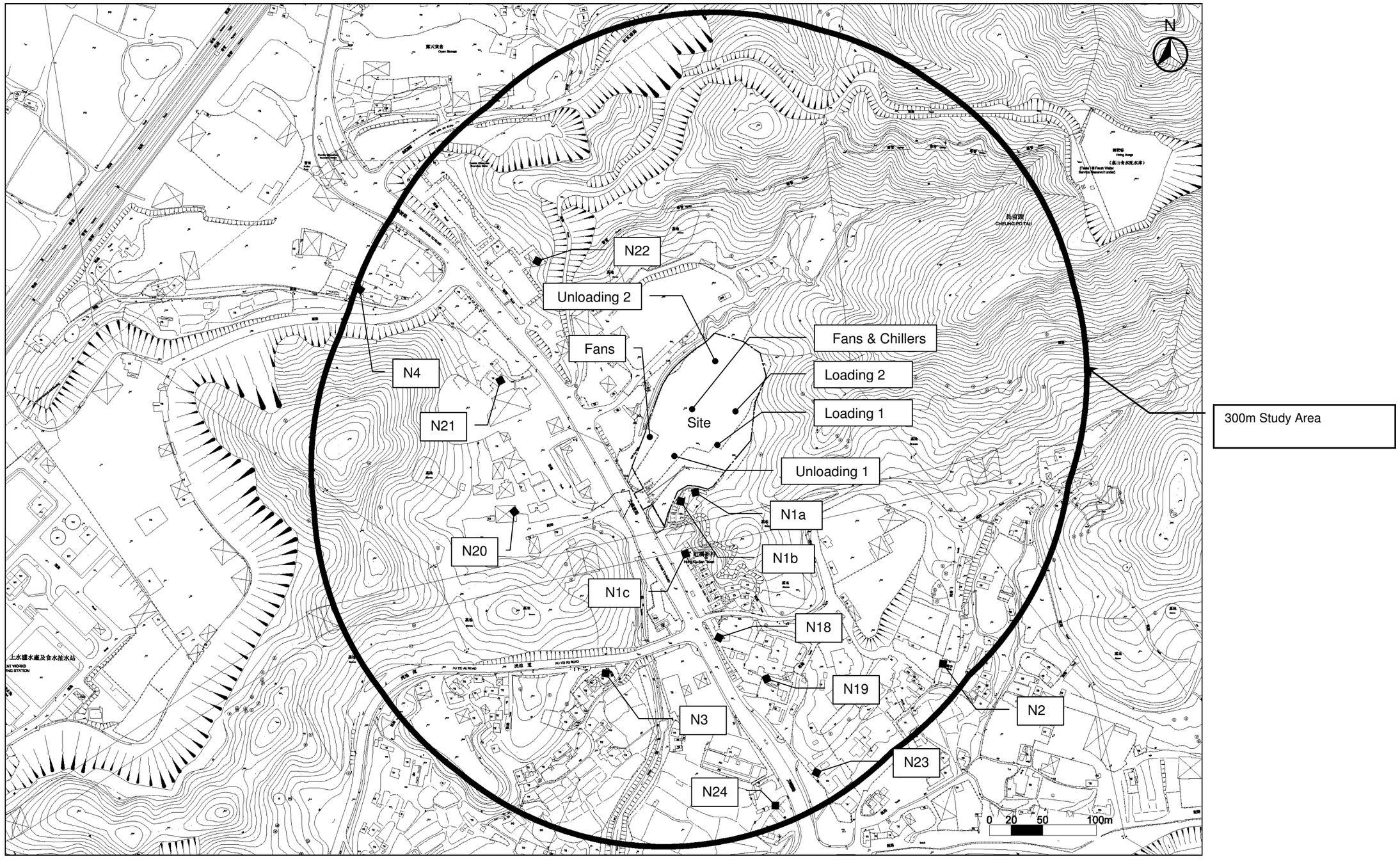


Figure 4-4 Assumed Locations of Fixed Plant Outside Plant Building

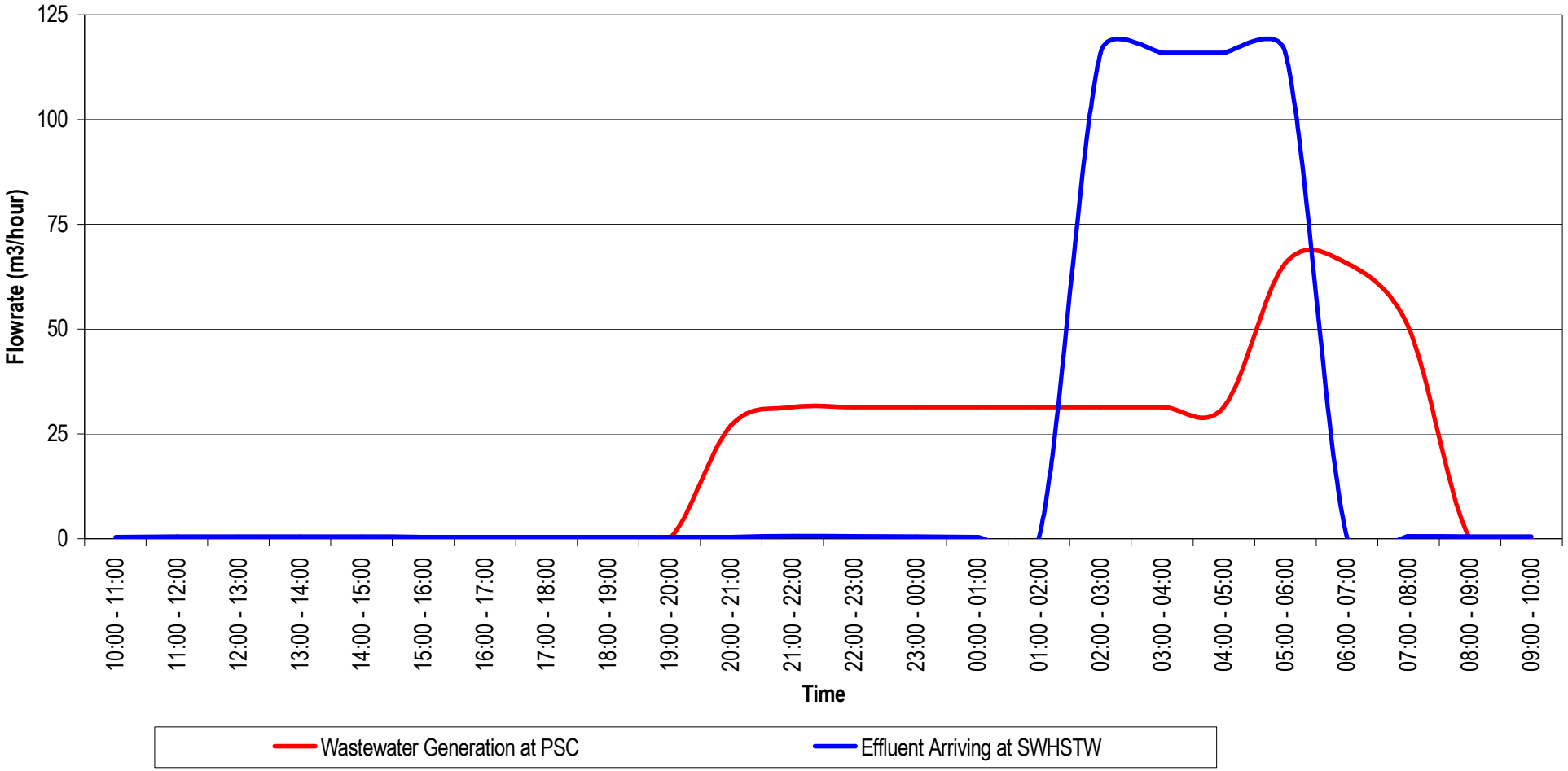


Figure 6-1 Estimated Timing and Volumes of Wastewater Generation and Arrival of Sewage and Treated /WTF Effluent at SWHSTW

Note: Figure Based on ***Table 6-1***

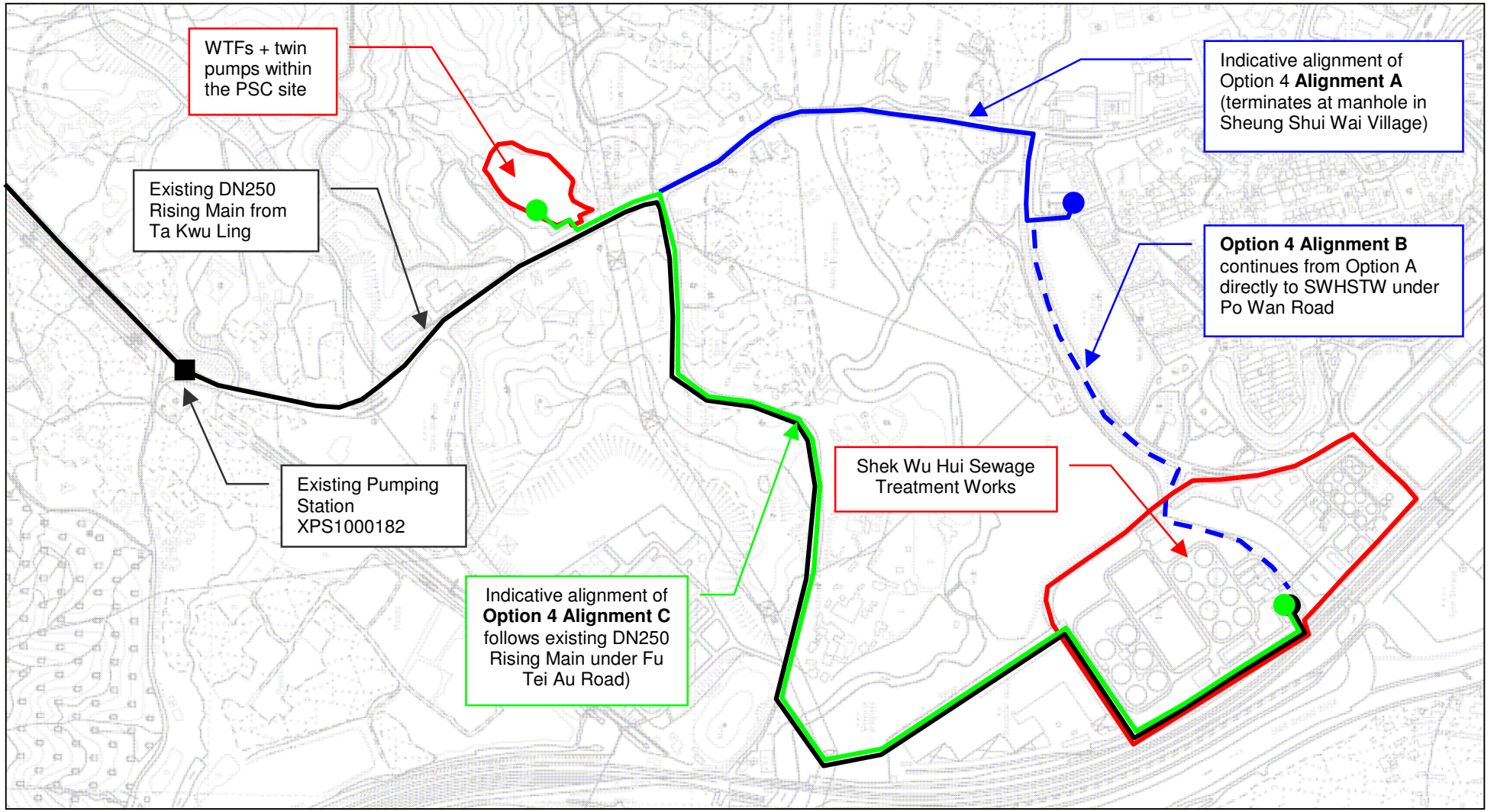


Figure 6-2 Indicative Alignments of Sewer Connections for Preferred Option 4

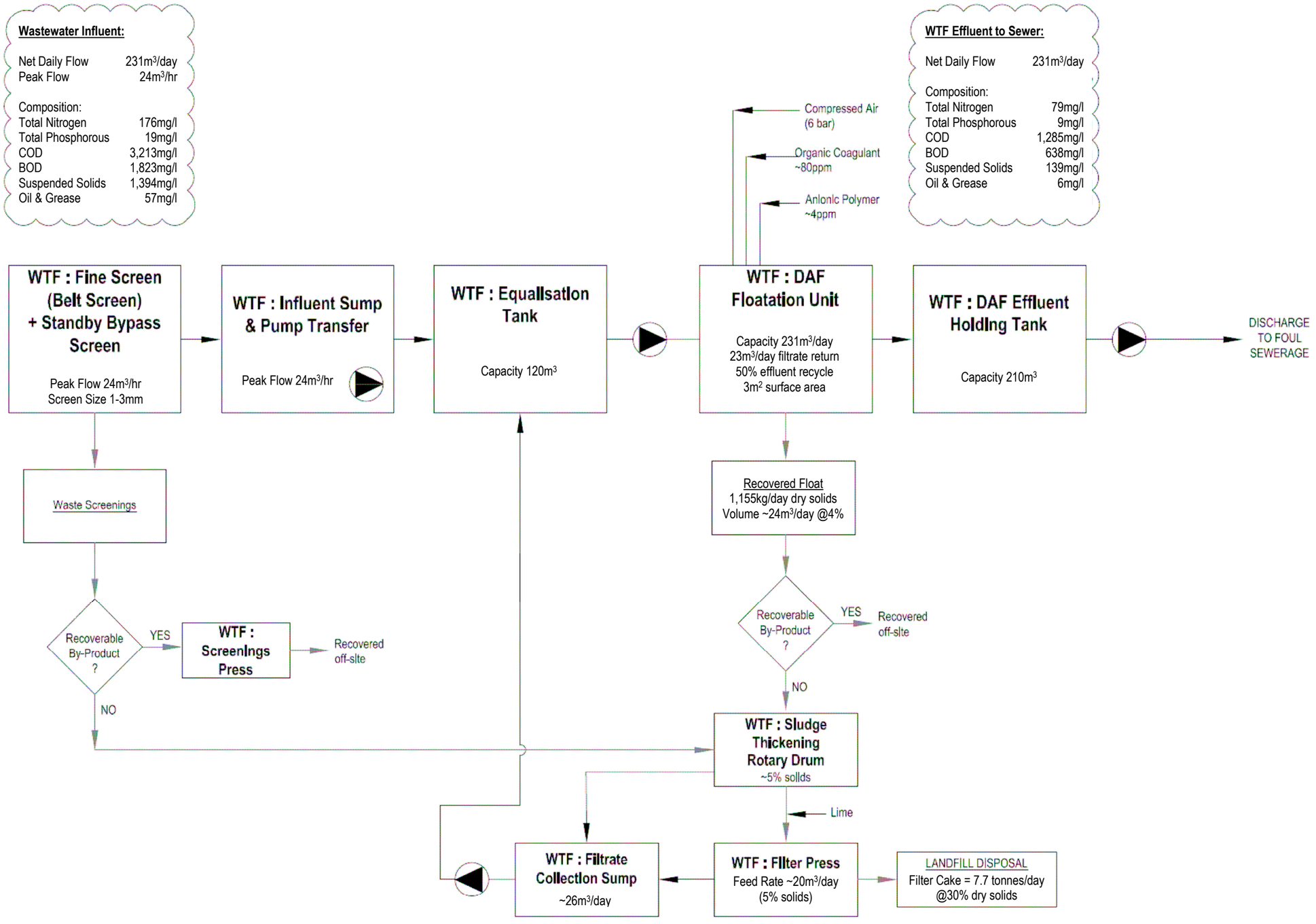


Figure 6-3 Schematic Flow Diagram for One WTF Utilising DAF (Half the Total WTF Requirement)

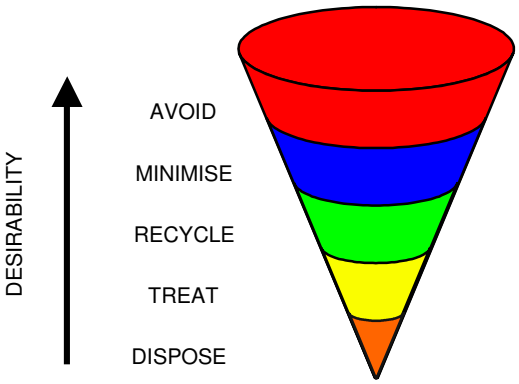


Figure 7-1 Waste Management Hierarchy

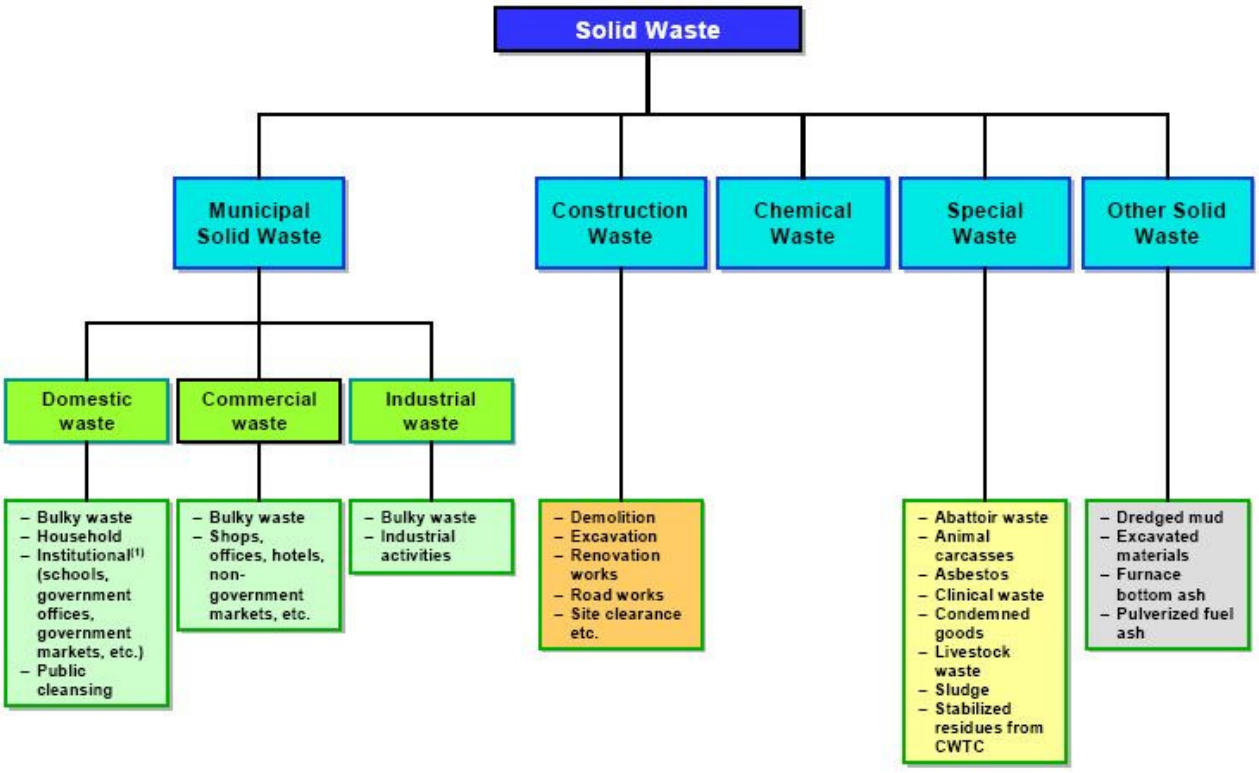
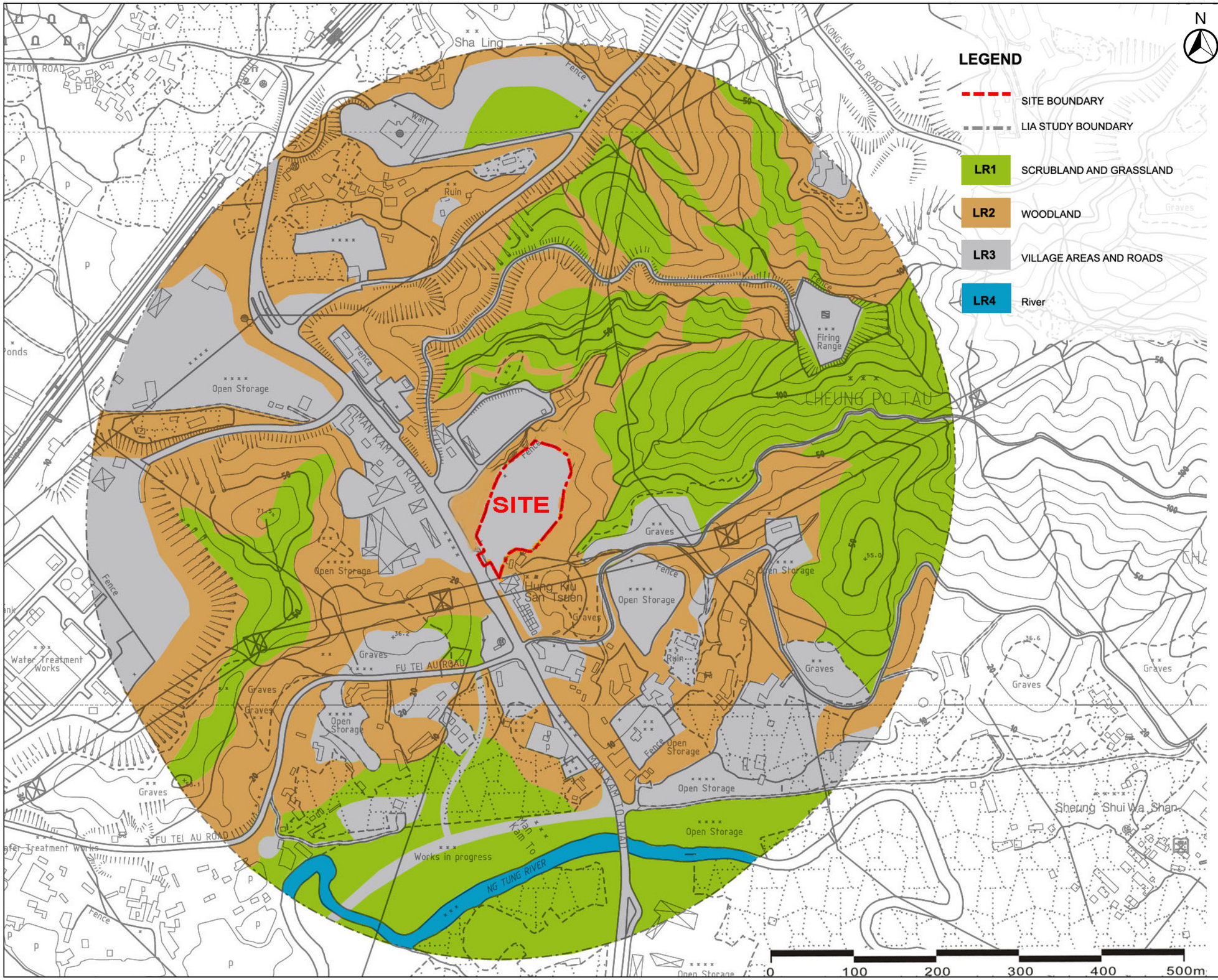


Figure 7-2 Categorisation of Solid Waste in Hong Kong



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Provision of a Poultry Slaughtering Centre in Sheung Shui

Final EIA Report Volume II – Figures and Appendices

Title

Figure 10-1

Landscape Resources Plan

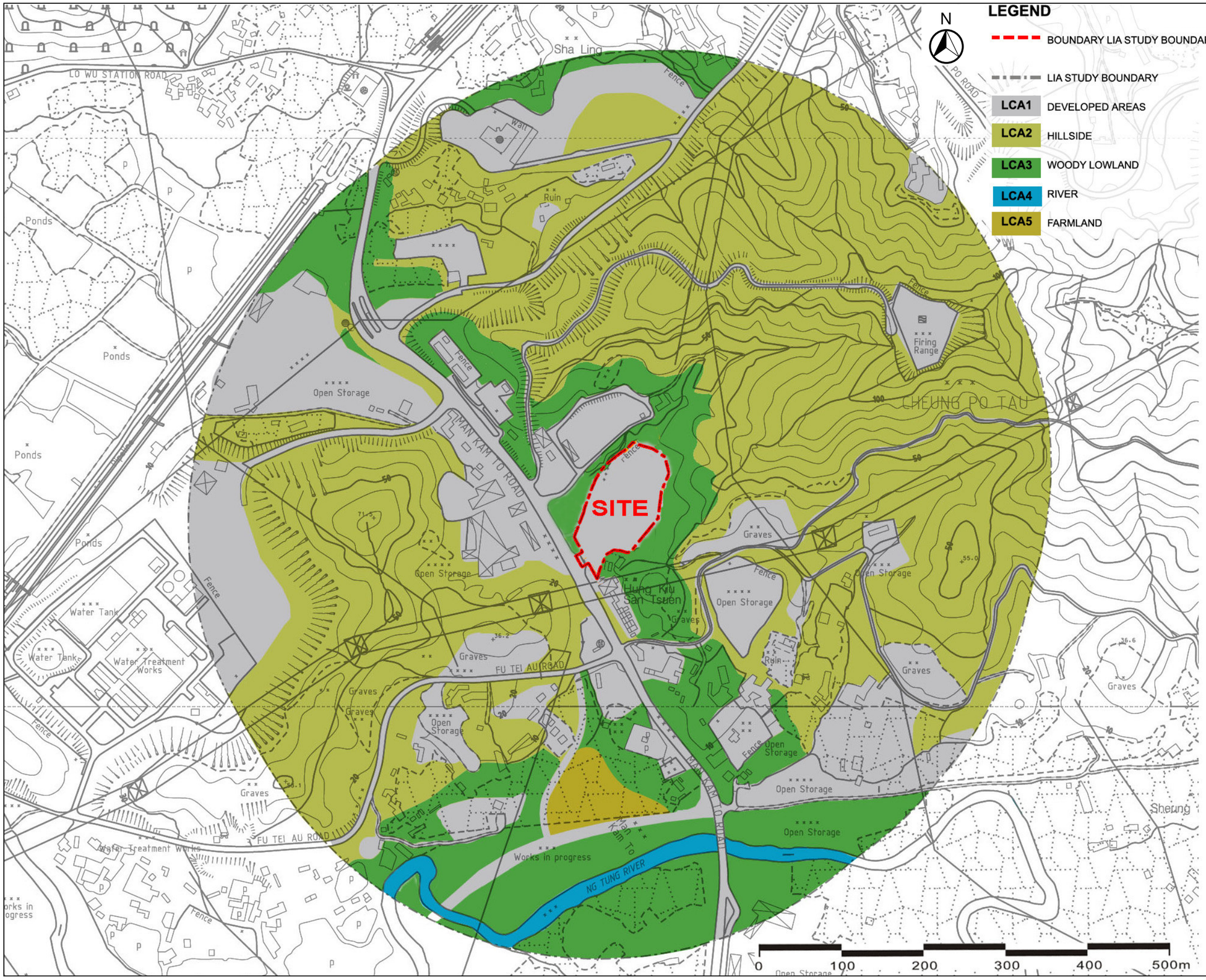

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Figure 10-2

Landscape Character Plan

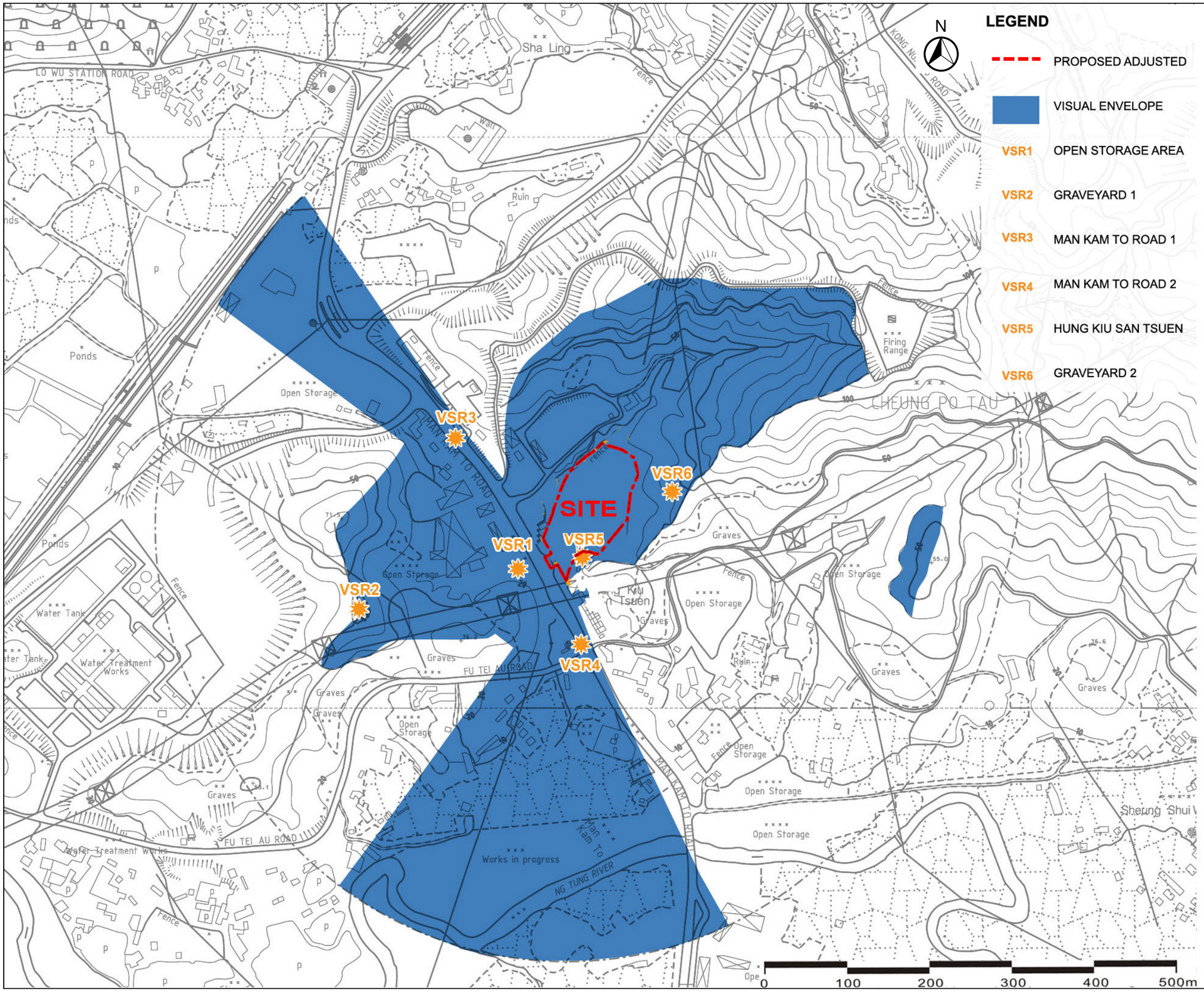

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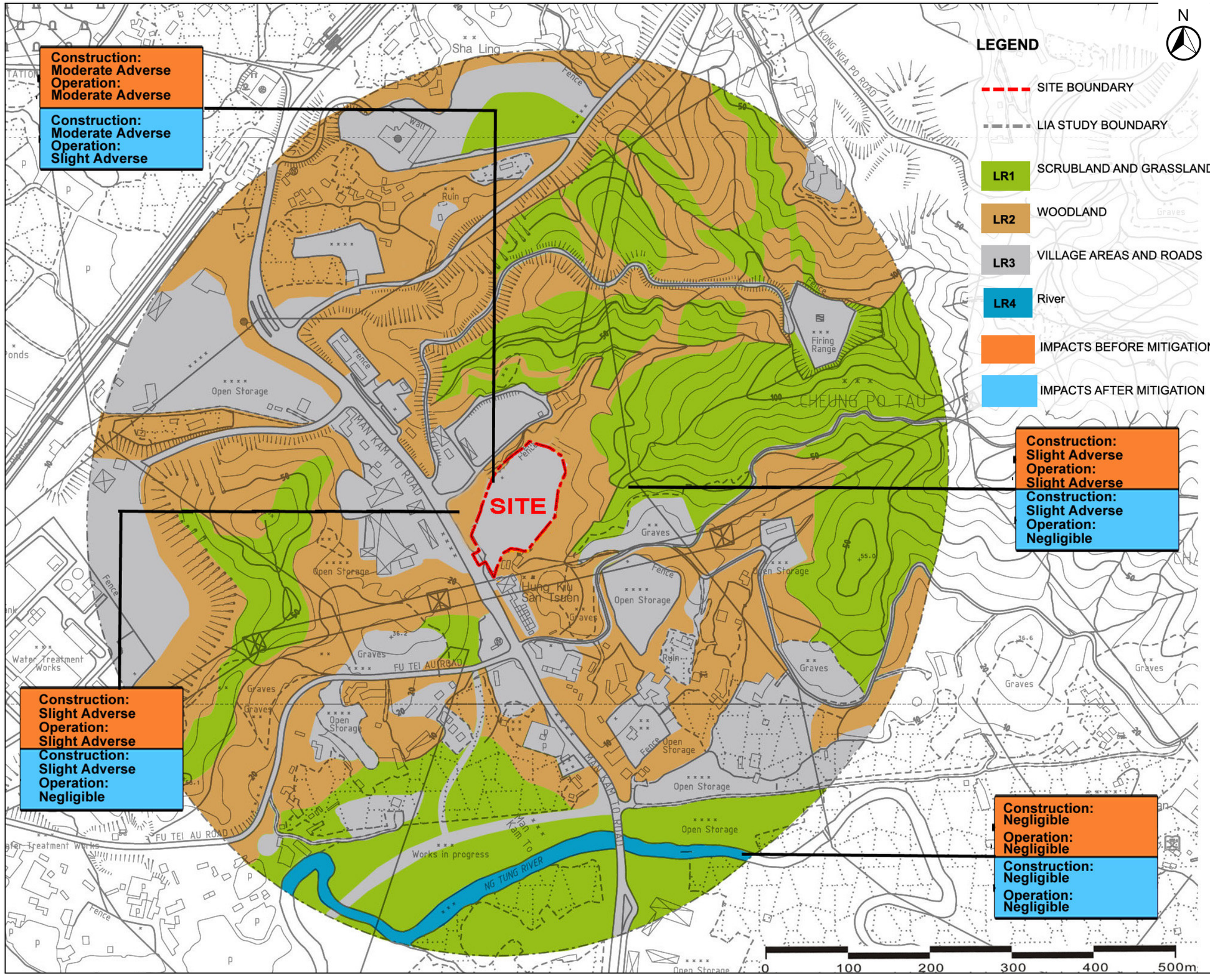
Figure 10-3

Location and Visual Envelope of Visual Sensitive Receivers



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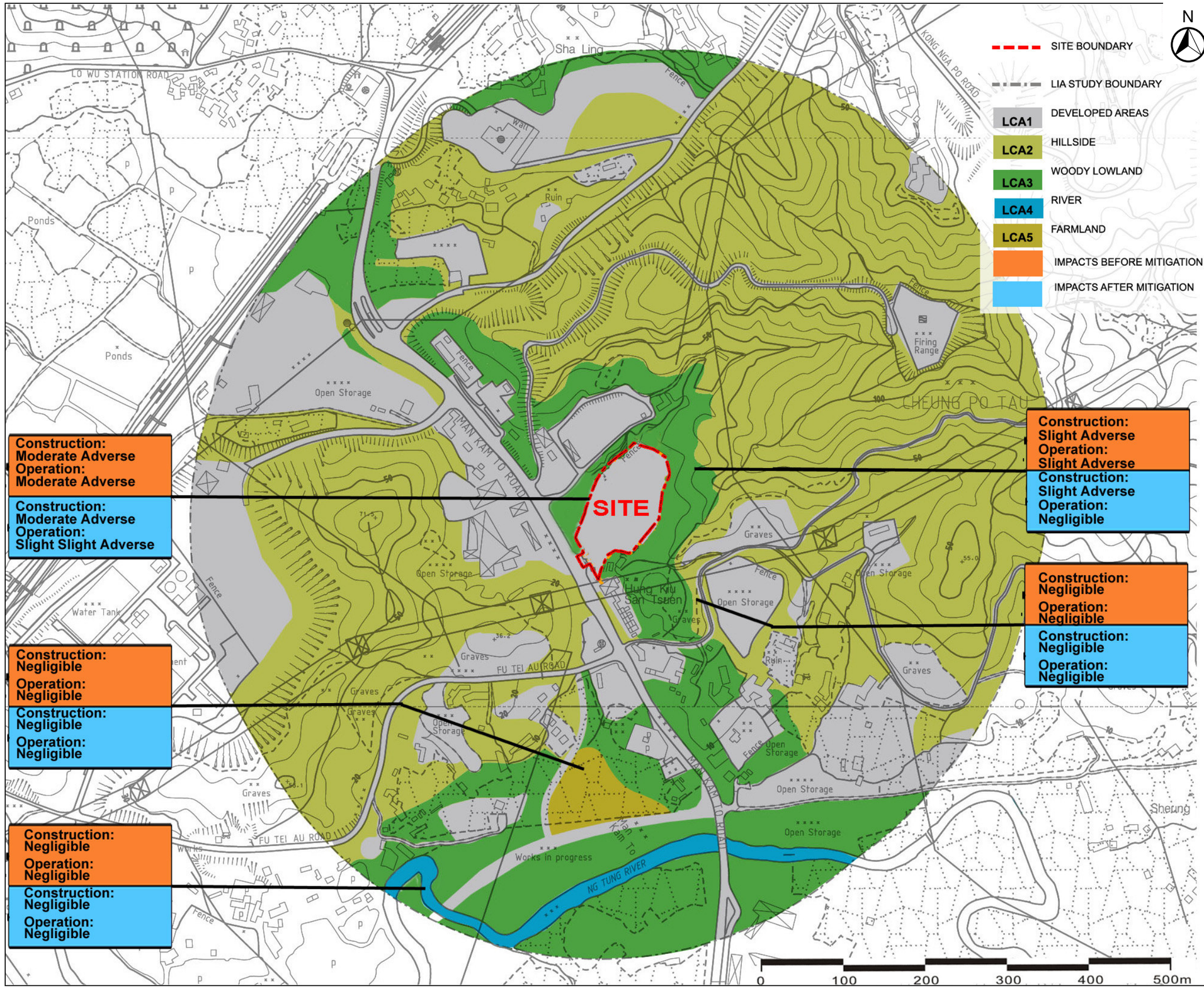
Provision of a Poultry Slaughtering Centre in Sheung Shui

Final EIA Report Volume II – Figures and Appendices

Title

Figure 10-4

Summary of Impacts on Landscape Resources



Issue	Description	Date
Status		

Scales	As Shown	Current Issue Signatures	
		Author	MWL
Original Size	A3	Checker	JSP
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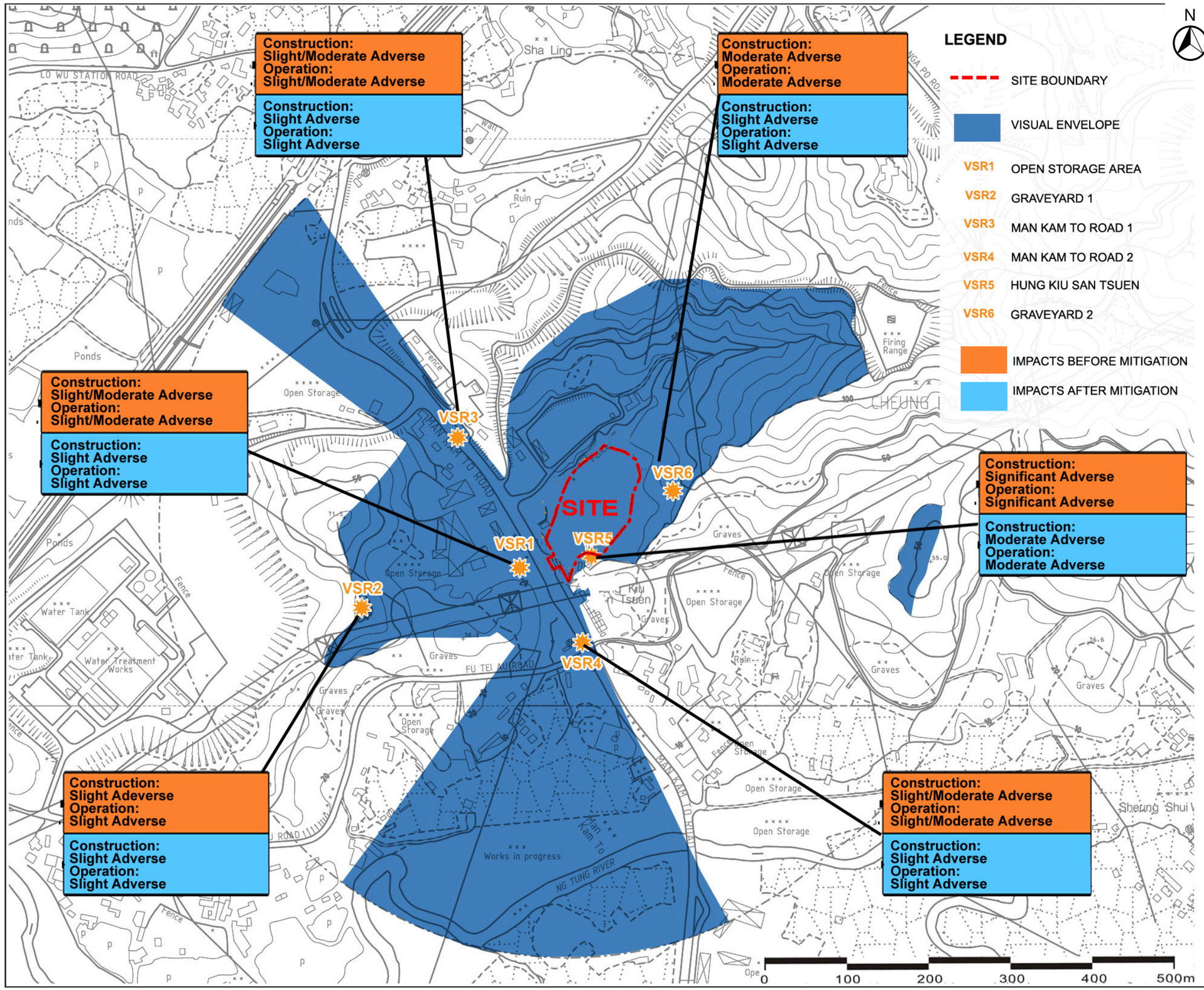
Figure 10-5

Summary of Impacts on Landscape Character



Issue	Description	Date
Status		

Scales	As Shown	Current Issue Signatures	
		Author	MWL
Original Size	A3	Checker	JSP
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Title

Figure 10-6

Summary of Impacts on VSRs

Photo 1: Existing View from Man Kam To Road

Photo 2: Proposed building without mitigation measure

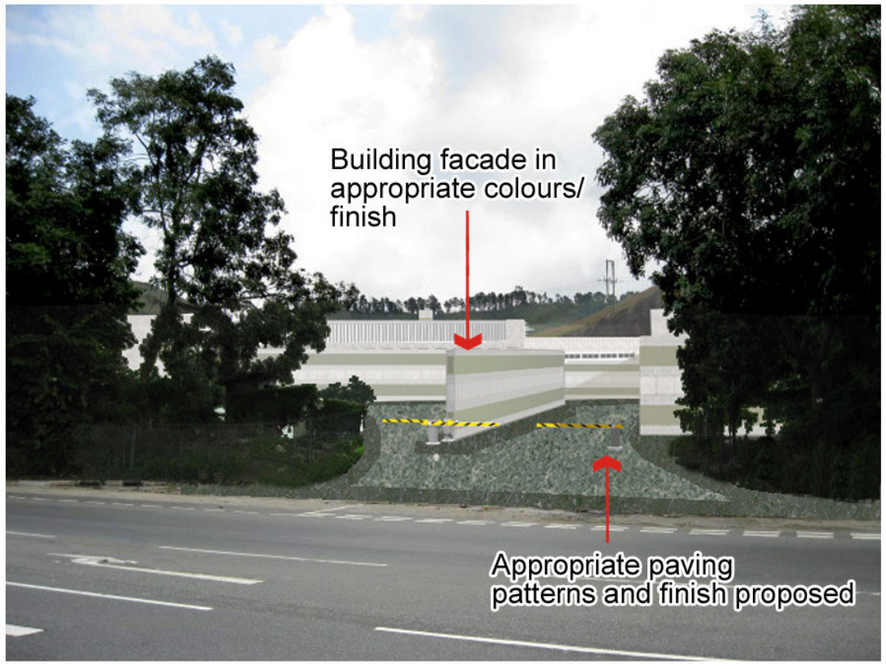

Photo 3: Proposed building with mitigation measure - Day 1

Photo 4: Proposed building with mitigation measure - 10 Years

Issue	Description	Date

Status

Scales	NTS	Current Issue Signatures	
		Author	MWL
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Provision of a Poultry Slaughtering Centre in Sheung Shui

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Title

Figure 10-7

Photomontage Views from VSR1

Photo 1: Existing view from VSR 5

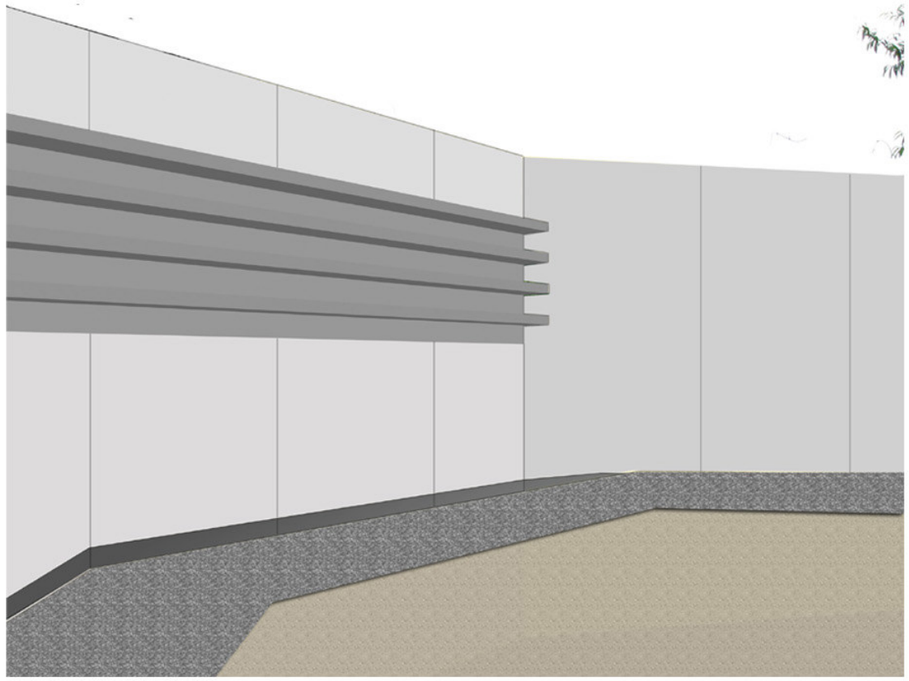

Photo 2: Proposed building and external fence wall without mitigation measures

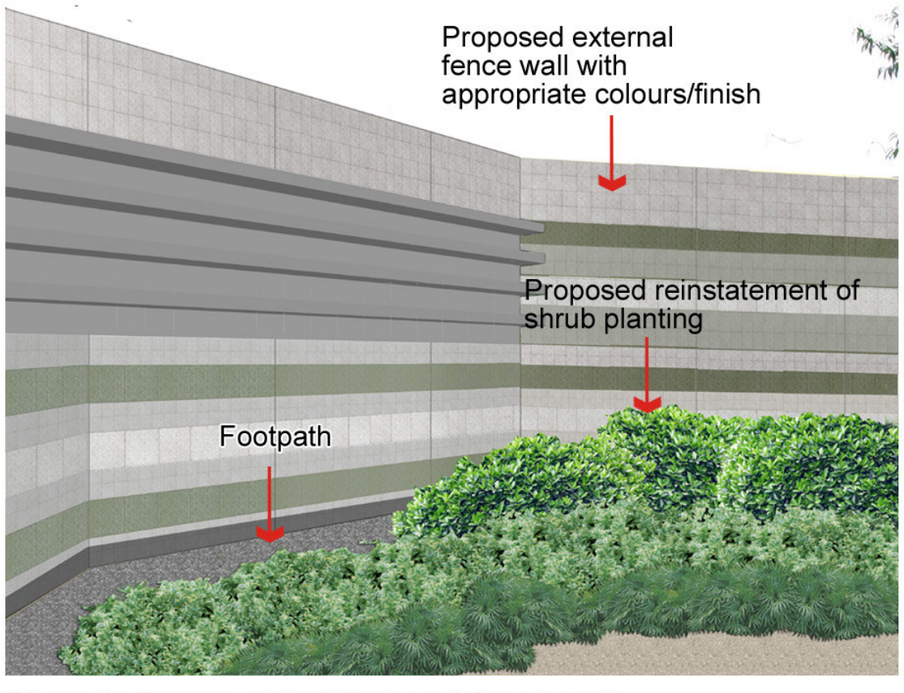

Photo 3: Proposed building and fence wall with mitigation measure - Day 1

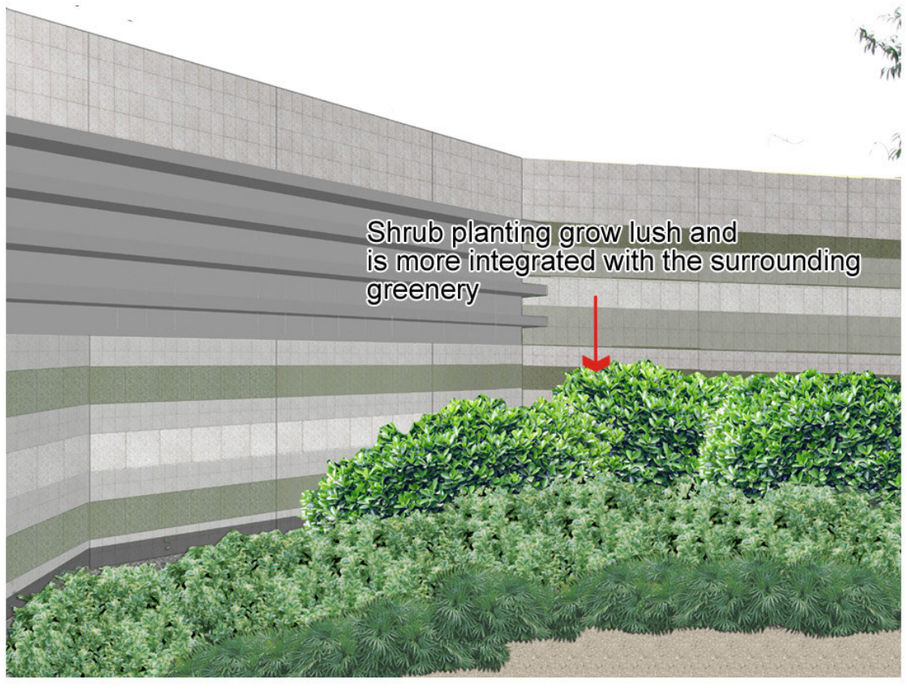

Photo 4: Proposed building with mitigation measure - 10 Years

Issue	Description	Date
Status		

Scales	NTS	Current Issue Signatures	
		Author	MWL
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Title

Figure 10-8

Photomontage Views from VSR5

Photo 1: Existing view from VSR 6

Photo 2: Proposed building without mitigation measures

Photo 3: Proposed building with mitigation measure - Day 1

Photo 4: Proposed building with mitigation measure - 10 Years

Issue	Description	Date
Status		

Scales	NTS	Current Issue Signatures	
		Author	MWL
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Provision of a Poultry Slaughtering Centre in Sheung Shui

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Title

Figure 10-9

Photomontage Views from VSR6

Figure 10-10 Preliminary Landscape Plan

Appendix 1-1

Towngas Boiler Assumptions and Calculation for NO_2 Assessment

1. Calculation of Required Power Input of the Towngas Boiler

2900	poultry/hr	max bird slaughtering rate
1450	poultry/hr	max bird slaughtering rate per stall
8	L/poultry	Section 5.6.37 of EIA report refers
1000	g/L	density of water
60	final water temperature, degC	Table 3-4 of EIA report refers
20	initial water temperature, degC	assumed average water temperature
4.1813	J g^{-1} K^{-1}	specific heat capacity of water
Power output of the boiler:	$\Delta Q = mc\Delta T$	(8 x 1450) x (4.1813 x 1000) x (60 - 20) / 1000000
ie.	1940.12 MJ/hr	
Power input:	2425.15 MJ/hr	assume 80% efficiency

2. Checking of the Assumed Boiler Efficiency

	degC	degF	Difference (Ts-Ta) (F)	
Combustion (ambient) air (Ta)	20	68	N/A	conversion: http://www.wbuf.noaa.gov/tempfc.htm
Flue gas (Ts)	202	396	328	http://www.epa.gov/ttn/naaqs/ozone/areas/plant/nc/pl37048x.htm
	232	450	382	http://www.epa.gov/ttn/naaqs/ozone/areas//plant/fl/pl17034x.htm
	214	417	349	ditto

Assumptions: for the worst-case scenario, the maximum difference (Ts - Ta) of 382 F, and lowest Ts of 202 C were adopted in the assessment

Ts-Ta (F)	382	
Excess air (%)	15	p.10 of Combustion Analysis Basis - An Overview of Measurements, Methods and Calculations Used in Combustion Analysis, TSI
O_2 (%)	2.73	
A2	0.63	
B	0.011	
qA (%)	17.37	
Efficiency (%)	82.63	
Efficiency adopted in the assessment (%)	80	

$$\%\,\text{Excess Air} = \frac{\%O_2\ measured}{20.9 - \%O_2\ measured} \times 100$$

The Siegert formula is widely used in Europe to determine flue losses (qA) and efficiency.

$$qA = (Ts - Ta) \times \left(\frac{A2}{(21 - O_2)} + B\right)$$

$$Efficiency = 100 - qA$$

Where: qA = flue loss
Ts = flue temperature
Ta = supply air temperature
O_2 = measured volumetric oxygen concentration expressed as a percent
$A2, B$ = fuel dependent constants

The constants *A2* and *B* are derived from the fuel composition. In Germany, the following values are prescribed for some common fuels:

Fuel Type	A2	B
Natural gas	.66	.009
Fuel oil	.68	.007
Town gas	.63	.011
Coking oven gas	.60	.011
LPG (propane)	.63	.008

http://www.tsi.com/documents/CA-basic-2980175b.pdf

---

3. NO_x Emission Rate

Power Input =	2425.15	MJ/hr	1kJ = 0.000278kWh
=	674.19	kWh/hr	1MJ = 0.278kWh (http://www.volker-quaschning.de/datserv/faktoren/index_e.html)
NO_x emission rate =	220	mg/kWh	as advised by Towngas via email on 20 April 2009
=	0.22	g/kWh	
NO_x Emission Rate of Each Boiler =	0.04	g/s	

4. Indicative Estimation of Efflux Velocity of the Towngas Boiler

Part a - Required Towngas

Towgas heat value[a] = 17.27 MJ/m^3
Power input = 2425.15 MJ/hr (Hyder calculations refer)
Required Towngas = 140.43 m^3/hr

Part b - Number of Moles of the Components in Towngas

At 20C and 1atm, the volume of a gas is 24.056 L/mol[b]

Composition of Towngas by volume[c]

Hydergen (H_2) =	49%	=	68808.54 L/hr	=	2860.35	mol/hr
Methane (CH_4) =	28.5%	=	40021.29 L/hr	=	1663.67	mol/hr
Carbon dioxide (CO_2) =	19.5%	=	27382.99 L/hr	=	1138.30	mol/hr
Carbon monoxide (CO) =	3%	=	4212.77 L/hr	=	175.12	mol/hr

Part c - Required Airflow for Combustion

After complete combustion, the flue gas will only contain CO_2 and H_2O

$C + O_2$ ----------> CO_2
$H + 0.25O_2$ ----------> $0.5H_2O$
$CO + 0.5O_2$ ----------> CO_2

Number of mole (n) of each molecule in Towngas:
n_C = 1663.67 mol/hr
n_H = 12375.38 mol/hr
n_{CO} = 175.12 mol/hr

Required stoichiometric oxygen (n_{stoich}) for complete combustion
= $n_C + n_H/4 + n_{CO}/2$
= 4932.64 mol/hr

Required fraction of excess air[d] = 15%

$n_{dry\ air}$ = n_{stoich} (1 + excess air)/21%
= 27012.08 mol/hr

At 20°C and a relative humidity of 50%, water content (X) in air[b]
= 0.0116 mol/mol dry air

n_{air} = $n_{dry\ air}$ x (1 + X)
= 27325.42 mol/hr

Part d - Flue Gas

n_{CO_2} (CO_2 from combustion & Towngas) =		$n_C + n_{CO_2}$ of Towngas =	2801.97 mol/hr
n_{H_2O} (H_2O from combustion & ambient air) =		n_H of Towngas / 2 =	6501.03 mol/hr
n_{N_2} (N_2 from ambient air) =		$n_{dry\ air}$ x 79% =	21339.54 mol/hr
n_{O_2} (remaining O_2 after combustion) =		Fraction of Excess Air x n_{stoich}	739.90 mol/hr

$n_{flue\ gas}$ = 31382.44 mol/hr

Total volume of flue gas = 754.94 m^3/hr under 20°C

Flue gas temperature[e] = 202 °C
= 475 K
Ambient Temperature = 20 °C
= 293 K

Assume gas pressure at 20°C (or 293K) = that at 475K
volumetric flow at 475K[f] = 1223.87 m^3/hr
= 0.34 m^3/s
diameter of stack = 0.2 m
stack area = 0.03 m^2
Efflux Velocity = 11 m/s

Therefore, assuming efflux velocity of 6m/s is a conservative approach and 6m/s was. adopted for assessing the NO_2 emission impact.

Part e - Reference:

a. http://www.towngas.com/files/Tai%20Po%20Plant%20Leaflet.pdf
b. Noel de Nevers: The Air Pollution Control Engineering, 2nd ed., McGraw-Hill, 2000
c. as advised by Towngas via email on 20 April 2009
d. http://www.tsi.com/documents/CA-basic-2980175b.pdf
e. http://www.epa.gov/ttn/naaqs/ozone/areas/plant/nc/pl37048x.htm refers
f. Combined Gas Law, V1P1/T1 = V2P2/T2)

5. Other Chimneys Identified within 500m from the Site

Coordinate		Height above ground, m	Elevation, mPD	Diameter, mm	Exit Temperature, C	Fuel Consumption Rate, (L/hr)	NO_x Emission Rate, g/s
X	Y						
830910	842390	13.0	7.0	280	400	35.0	0.0233
830911	842389	13.0	7.0	280	400	18.0	0.0120
830911	842380	15.6	6.4	355	400	228.0	0.1520
830911	842380	15.6	6.4	355	400	142.0	0.0947

Note:

1. NO_x emission rate (Table 1.3-1 of USEPA AP-42 Section 1.3 (version 9/98) refers) =

= 20 lb/1000 gal

= 2.4 kg/1000L

= 2.4 g/L

Appendix 1-2

Operation Details of Two Poultry Slaughtering Plants in Singapore

Operation Details of Two Poultry Slaughtering Plants in Singapore

Operation details of two Singapore plants provided by the plants' operators/suppliers are as follows:

Plant A

The plant capacity is 4,000 broilers per hour. Its operation time is from afternoon to evening on everyday.

The poultry processing consists of the following:

- Holding area where broilers are stored temporarily until hooked onto the processing line.
- The broilers are then manually transferred to the suspension area for manually hanging on to the killing and plucking line shackles.
- Supply line consisting of gravity roller conveyor for transport of crates and mobile high pressure pump for cleaning of crates and processing plant
- Killing and plucking line consisting of overhead conveyor and shackles for suspension of live broilers
- Eviscerating line consisting of overhead conveyor and eviscerating shackles
- Weighting and grading
- Unloading station for unloading broilers
- Manual bagging with the aid of a packing hopper
- Manual portioning, according to sales demand

The offal and other waste are then handled manually and disposed to offal area. Wastewater is collected and directed to the municipal centralized water treatment plant for treatment.

Plant B

The capacity of the storeys plant is 4,000 birds per hour. The operation hours starts from 18:00 to 01:00. The ground floor is designed for receiving live birds, slaughtering and evisceration plus the cold room and product dispatch. The first floor is designed for water chilling, weighing, cutting and deboning as well as cold storage area. The operation processes are as follow:

- Livebird receiving section: automatic crate handling system with destacker and stacker to save production space.
- Killing section: overhead conveyor, water stunner, water scalder, tunnel plucker, auto transferring and shackle cleaner.
- Evisceration section: conveyor, auto vent cutter, auto opener, auto eviscerator (new generation ACE), inspection line and other accessory item for handling giblet packs.
- Chilling section: water chiller plus quick chilling Weighing section: online weighing system with drop-off station for sizing as well as belt weighing for parts.
- Cutting /deboning section: some manual cut-up machine, as well as auto cut-up system, belt conveyor for manual deboning and some product packing system.

Odour Sampling Locations

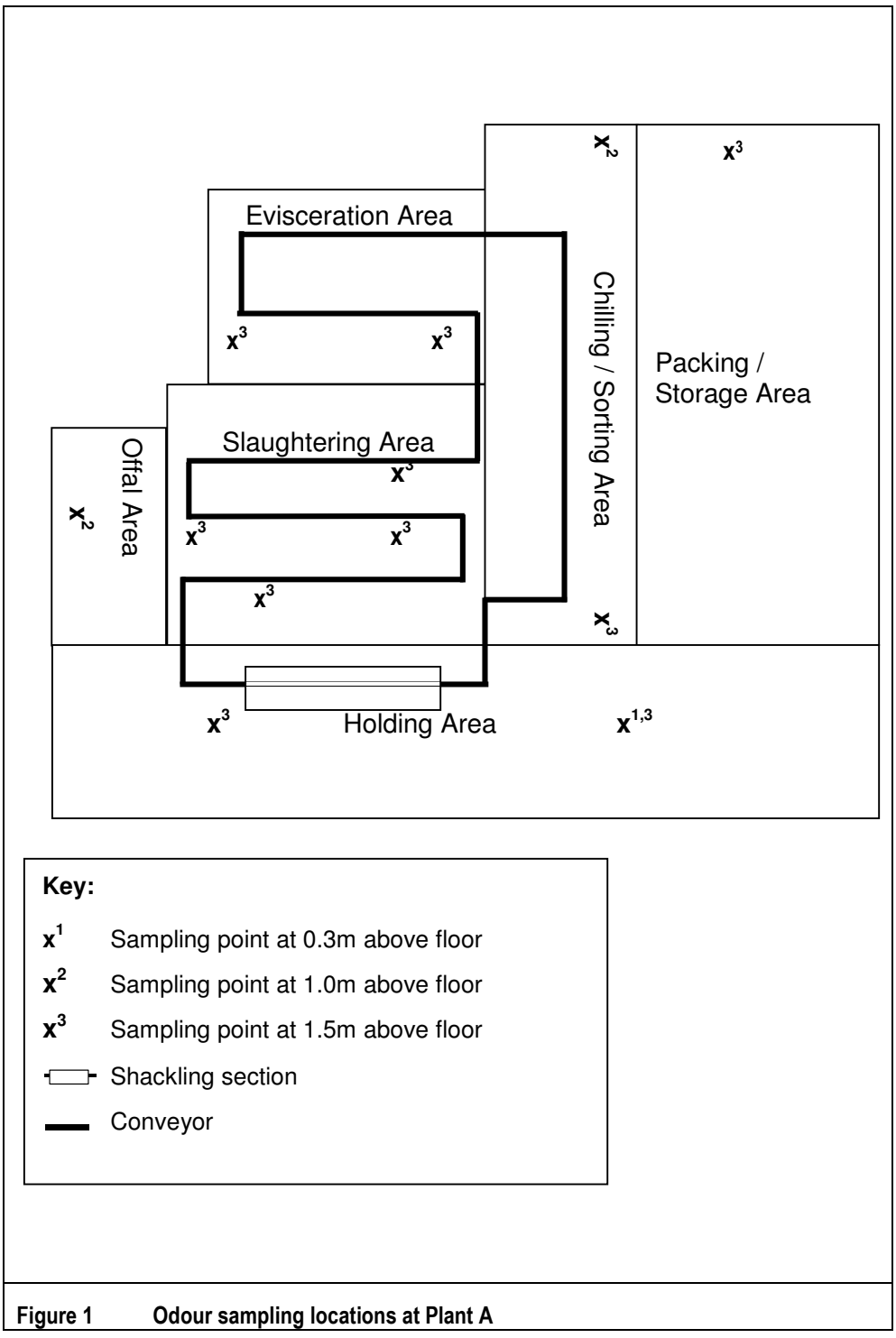

Figure 1 Odour sampling locations at Plant A

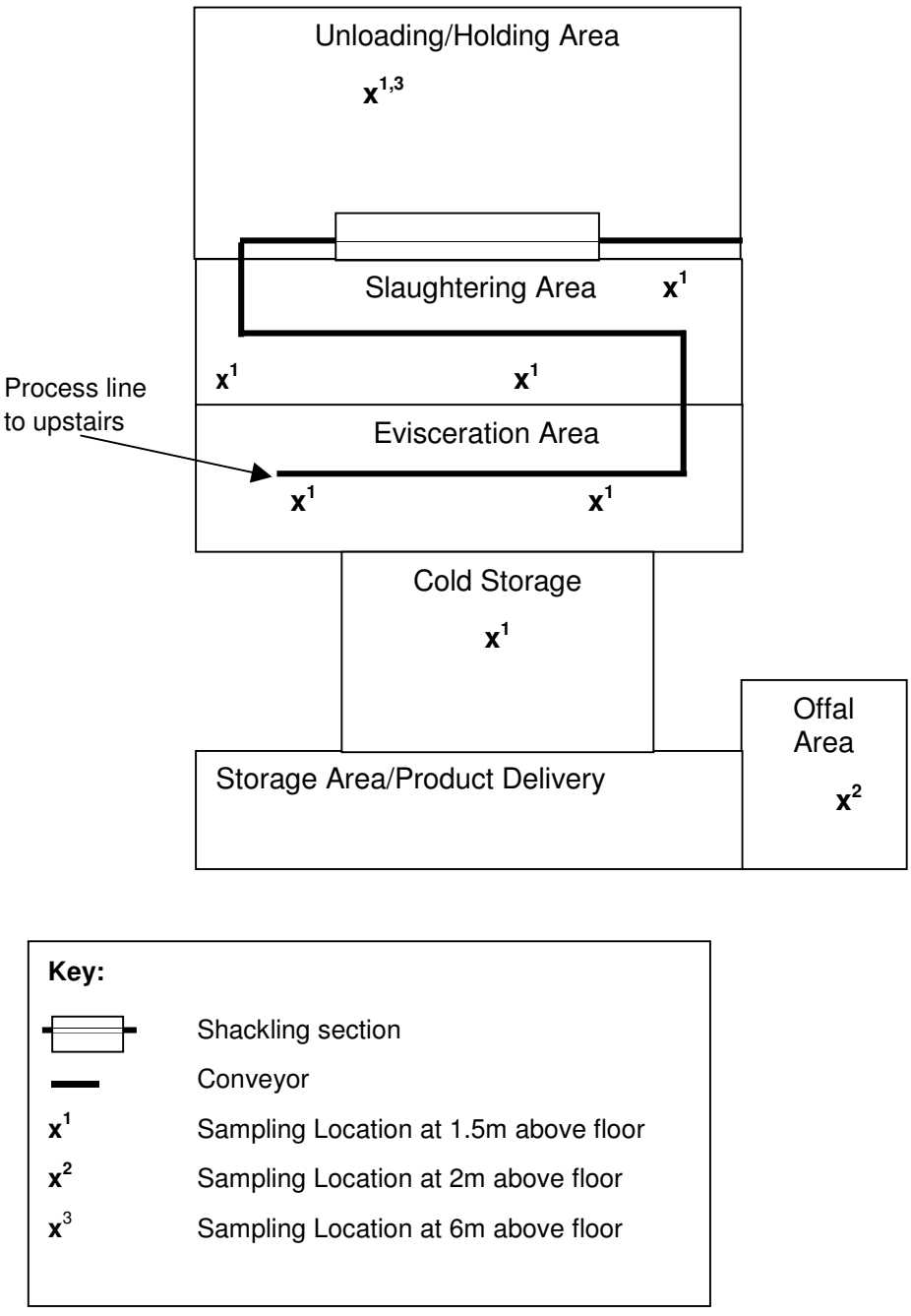

Figure 2 Odour sampling locations at Plant B (Ground Floor)

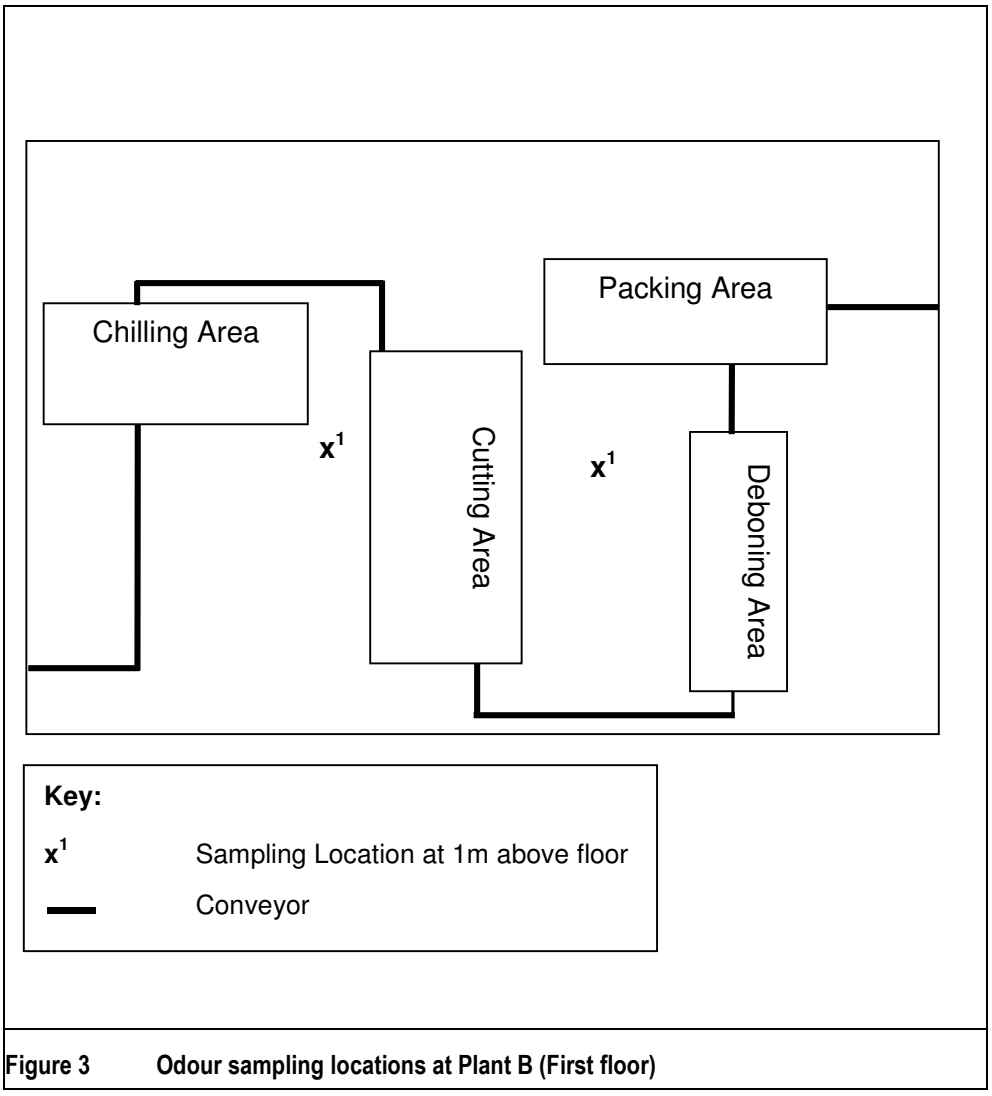

Figure 3 **Odour sampling locations at Plant B (First floor)**

Appendix 1-3

Odour Sampling Location in Chicken Sheds at Cheung Sha Wan Poultry Wholesale Market

Odour Sampling Location in Chicken Sheds at Cheung Sha Wan Poultry Wholesale Market

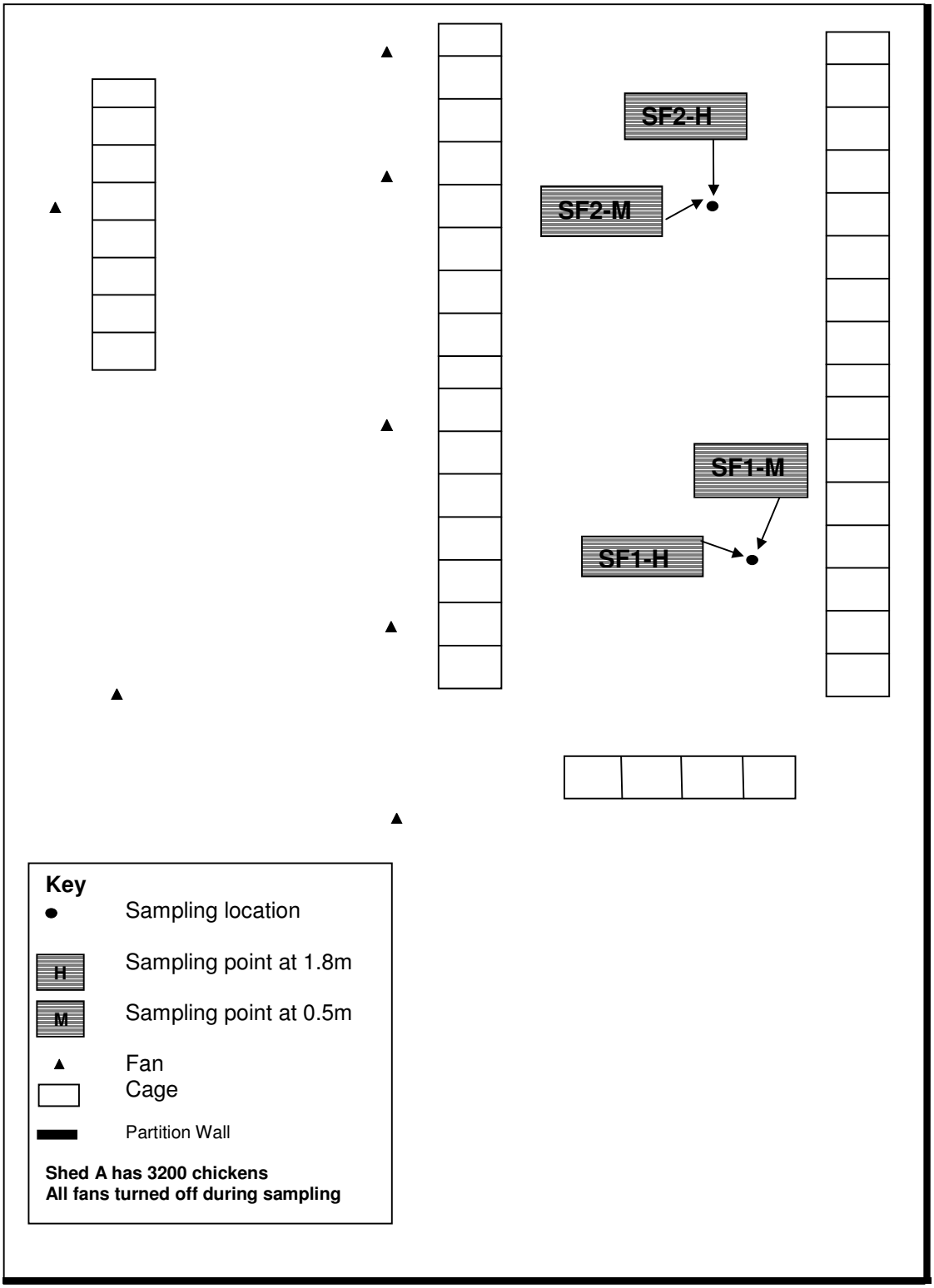

Figure 1 Sampling location of Shed A in Cheung Sha Wan Poultry Wholesale Market

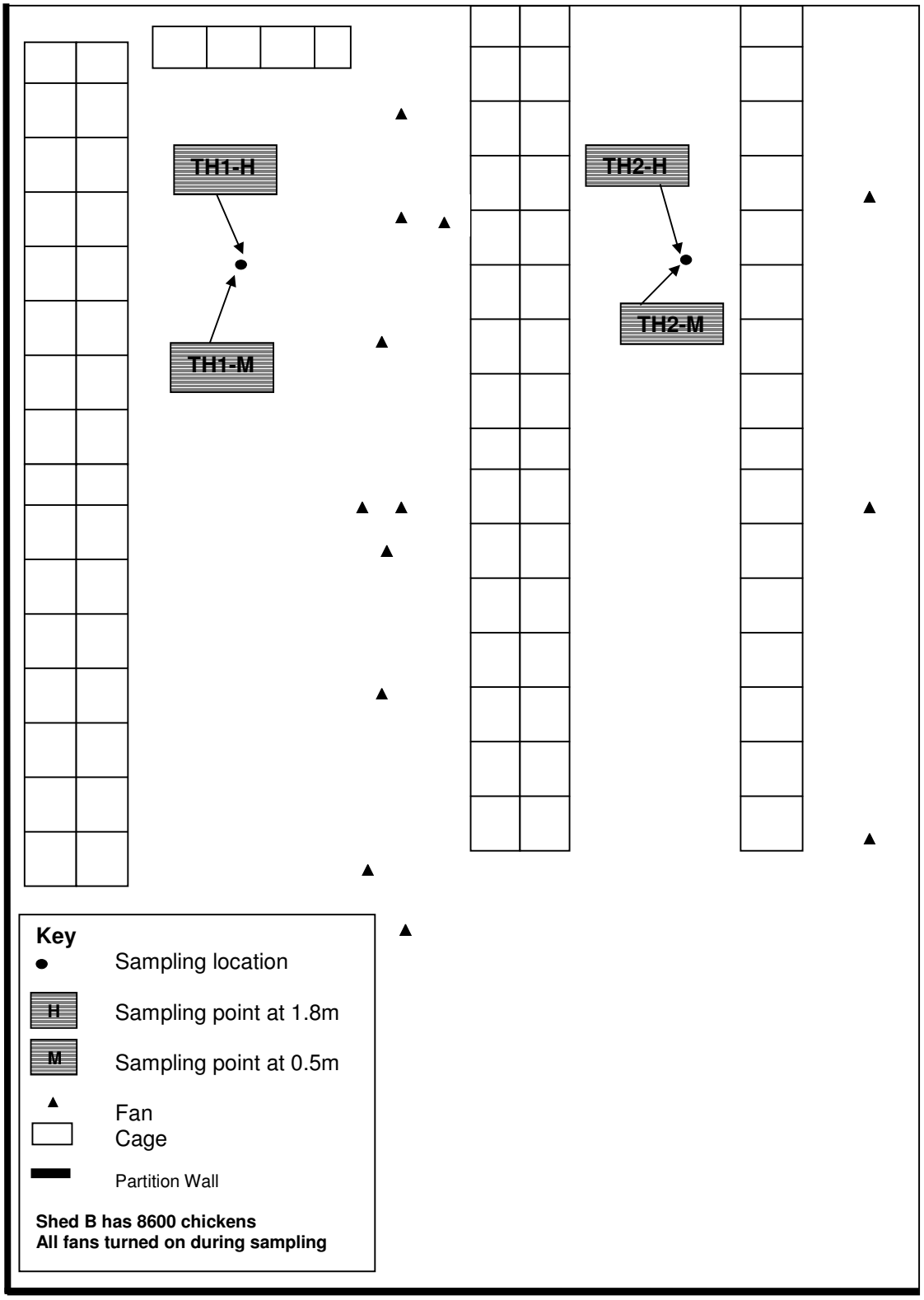

Figure 2 Sampling location of Shed B in Cheung Sha Wan Poultry Wholesale Market

Appendix 1-4

Odour Sampling Results

Annex 1-4 Odour Sampling Results

Plant A in Singapore (capacity 4,000 chickens/hour)					
Area	**Number of Samples**	**Temperature, °C**	**Humidity, %**	**Wind Speed during Sampling, m/s**	**Average Odour Concentration[1], OU/m³**
Live poultry unloading area and holding area (semi-enclosed area)	3 samples at two locations where the strongest smells were identified. Two samples are in same location but in different heights. There were about 3,000 chickens in the holding area during the sampling.	31.3 – 31.8	59 – 60	ND	397
Slaughtering area (enclosed area)	4 samples at four locations (near bleeding, scalding, de-feathering) where strongest smell were identified.	28.3 – 30.7	78 – 93	ND	519
Evisceration area (enclosed area)	2 samples at two locations where the strongest smell were identified.	28.3 – 29.0	93	ND	537
Offal and feather disposal (open area)	1 sample at the location where strongest smell was identified.	31.9	55	ND	604
Chilling area (enclosed area)	2 samples at two locations near the chilling immersion line and packing point where strongest smell was identified.	18.4 – 22.9	61 – 81	ND	53
Packing area (enclosed area)	1 sample collected at the packing area outside cold storage	27.4	40	ND	51
Plant B in Singapore (capacity 4,000 chickens/hour)					
Live poultry unloading area and holding area (semi-enclosed area)	2 samples at one location at two heights where the strongest smells were identified. There were about 17,000 chickens in the holding area during the sampling.	31.5 – 32.3	70 – 76	ND	481
Slaughtering area (enclosed area)	3 samples at three locations (near bleeding and de-feathering) where strongest smell were identified.	27.1 – 28.7	87 – 91	ND	541[2]
Evisceration area (enclosed area)	2 samples at two locations where the strongest smell were identified.	27.4 – 27.7	80 – 90	ND	730[3]
Offal and feather disposal (open area)	1 sample at the location above a waste skip where feather and offal were temporarily disposed of.	25.6	90	2	150

Packing area[4] (enclosed area)	2 samples at two locations beside cutting and tagging processes where strongest smell was identified.	22.3 – 22.8	85	ND	44
Chiller room (cold storage) (enclosed area)	1 sample collected at the center of empty area	17.7	89	ND	376
Cheung Sha Wan Poultry Wholesale Market					
Shed A (3,200 chickens in the shed during sampling)	4 samples from two locations at two different heights	19.4 – 19.8	80.7 – 85.5	ND	161
Shed B (8,600 chickens in the shed during sampling)	4 samples from two locations at two different heights	19.3 – 19.7	81.4 – 87.2	ND to 1.2	371

Sources:

Odour samplings measured by Singapore Aromatrix Consulting Engineers Pty Ltd and the Hong Kong Polytechnic University.

1. Odour Sampling and Measurement for a Poultry Slaughtering and Processing Plant, Odour Research Laboratory, Department of Civil and Structural Engineering, the Hong Kong Polytechnic University, Hong Kong, February 2007.
2. Report for Odour Sampling and Assessment: Poultry Processing and Slaughtering Plants, Aromatrix Consulting Engineers Pty Ltd, Singapore, February 2007.

Notes:

1. Arithmetic mean of the odour concentrations from the samples collected within the area.
2. As there was no chicken on conveyor during the collection of one of the odour samples, the concentration of this sample has been excluded from the calculation of the mean odour concentration levels.
3. As cleaning was in progress during the collection of one of the odour samples, the odour concentration of this sample was discarded and the average odour concentration is from one odour sample only.
4. Cut-up, de-boning and packaging processes are located within the same area on 1/F of Plant B.

Appendix 1-5

Adjusted Odour Concentration and Calculation of Odour Emission Rate

Singapore Plant A - Odour Generating Activity	No of Chickens	Floor Area* m^2	Head Room* m	Volume m^3	Measured Odour Concentration (Arithmetic Mean) ou/m^3	Estimated Odour Emission per Chicken (OU/Chicken)
Holding Area	3,000	40	4.5	180	396.7	23.8
Slaughtering Area	4,000	50	4	200	518.5	25.9
Evisceration Area	4,000	44	4	176	536.5	23.7
Packing	4,000	44	4	176	51.0	2.2

Notes:
*Estimated based on site observations.

Singapore Plant B - Odour Generating Activity	No of Chickens	Floor Area* m^2	Head Room* m	Volume m^3	Measured Odour Concentration (Arithmetic Mean) ou/m^3	Estimated Odour Emission per Chicken (OU/Chicken)
Holding Area	17,000	80	7	560	481.0	15.8
Slaughtering Area	4,000	32	7	224	540.5	30.3
Evisceration Area	4,000	49	7	343	730.0	62.6
Packing	4,000	49	7	343	44.0	3.8

Notes:
*Estimated based on site observations.

Area No.	PSC Stall 1 - Odour Generating Activity	No of chickens	Floor Area m^2	Head Room m	Volume m^3	Normalised Odour Concentration ou/m^3	From Singapore PlantA or B
1	Reception/Holding Area	12,675	222	3.5	777	388.2	A
2	Slaughtering Area (bleeding, killing, scalding, de-feathering)	1,450	201	3.5	704	187.2	B
3	Evisceration Area	1,450	253	3.5	886	307.5	B
4	Packing Area	1,450	276	3.5	966	5.7	B
5	Waste Collection Area	N/A	42	3.5	146	604.0	A
6	WTF	N/A	191	4.5	860	100.0	Sheung Shui Slaughtering Plant

Area No.	PSC Stall 2 - Odour Generating Activity	No of chickens	Floor Area m^2	Head Room m	Volume m^3	Normalised Odour Concentration ou/m^3	From Singapore PlantA or B
1	Reception/Holding Area	12,675	224	3.5	784	384.8	A
2	Slaughtering Area (bleeding, killing, scalding, de-feathering)	1,450	220	3.5	770	171.0	B
3	Evisceration Area	1,450	250	3.5	875	311.2	B
4	Packing Area	1,450	272	3.5	952	5.7	B
5	Waste Collection Area	N/A	40	3.5	140	604.0	A
6	WTF	N/A	141	4.5	635	100.0	Sheung Shui Slaughtering Plant

Remarks:
Normalised odour concentration = max of estimated odour emission per chicken (OU/chicken) of Plants A or B X no. of chickens / room volume (Areas 1 to 4 apply).
Normalised odour concentration at Area 5 (Waste Collection Area) is the odour concentration measured at Plant A.
Normailised odour concentration at Area 6 (WTF) is the odour concentration measured at Sheung Shui Slaughtering Plant.

Calculations of Emission for the Exhaust Outlet at Poultry Slaughtering Centre (PSC) Stall 1

Area No.	PSC - Odour Generating Activity	Floor area m^2	Clear Head room m	Volume m^3	Air Exchange Rate per hour	Airflow Rate m^3/s	Worst-case Measured Odour Concentration ou/m^3	Adjusted Odour Emission Rate ou/m^3	Odour Emission Rate ou/s	Average Odour Emission Rate after Scrubber Unit ou/s
1	Reception/Holding Area	222	3.5	777	12	2.6	396.7	388.2	1,005.6	50.3
2	Slaughtering Area	201	3.5	704	10	2.0	540.5	187.2	365.7	18.3
3	Evisceration Area	253	3.5	886	8	2.0	730.0	307.5	605.1	30.3
4	Packing Area	276	3.5	966	5	1.3	44.0	5.7	7.6	0.4
5	Waste Collection Area	42	3.5	146	15	0.6	604.0	604.0	366.6	18.3
					Total Airflow Rate, m^3/s	4.2	**Total Odour Emission**		**2,350.6**	**117.5**
					Number of Exhaust Outlet	1				
					Airflow Rate of each Outlet, m^3/s	4.2				
					Airflow Rate of each Outlet, m^3/hr	15,109.3	**Odour Removal Efficiency**			
					Efflux velocity, m/s	15.9	of Scrubber Unit **95%**			
					Area of each Outlet, m^2	0.26				
					Radius of Exhaust Outlet, m	0.29				
					Diameter of Exhaust Outlet, m	0.58				

Notes

1. Required airflow rates of Areas 2 to 4 are calculated based on a fresh air rate of 10 L/person/second.
2. Actual fresh air intakes are calculated based on the required fresh air take.

Calculations of Emission for the Exhaust Outlet at the Wastewater Treatment Facilities (WTF) 1

Area No.	PSC - Odour Generating Activity	Floor area m^2	Clear Head room m	Volume m^3	Air Exchange Rate per hour	Airflow Rate m^3/s	Worst-case Measured Odour Concentration ou/m^3	Adjusted Odour Emission Rate ou/m^3	Odour Emission Rate ou/s	Average Odour Emission Rate after Scrubber Unit ou/s
6	WTF	191	4.5	860	15	3.6	100	100	358.1	17.9
					Total Airflow Rate, m^3/s	3.6	**Total Odour Emission**		**358.1**	**17.9**
					Number of Exhaust Outlet	1				
					Airflow Rate of each Outlet, m^3/s	3.6				
					Airflow Rate of each Outlet, m^3/hr	12,892.5	**Odour Removal Efficiency**			
					Efflux velocity, m/s	15.6	of Scrubber Unit **95%**			
					Area of each Outlet, m^2	0.23				
					Radius of Exhaust Outlet, m	0.27				
					Diameter of Exhaust Outlet, m	0.54				

Calculations of Emission for the Exhaust Outlet at Poultry Slaughtering Centre (PSC) Stall 2

Area No.	PSC - Odour Generating Activity	Floor area m^2	Clear Head room m	Volume m^3	Air Exchange Rate per hour	Airflow Rate m^3/s	Worst-case Measured Odour Concentration ou/m^3	Adjusted Odour Emission Rate ou/m^3	Odour Emission Rate ou/s	Average Odour Emission Rate after Scrubber Unit ou/s
1	Reception/Holding Area	224	3.5	784	12	2.6	396.7	384.8	1,005.6	50.3
2	Slaughtering Area	220	3.5	770	10	2.1	540.5	171.0	365.7	18.3
3	Evisceration Area	250	3.5	875	8	1.9	730.0	311.2	605.1	30.3
4	Packing Area	272	3.5	952	5	1.3	44.0	5.7	7.6	0.4
5	Waste Collection Area	40	3.5	140	15	0.6	604.0	604.0	352.3	17.6
					Total Airflow Rate, m^3/s	4.2	**Total Odour Emission**		**2,336.3**	**116.8**
					Number of Exhaust Outlet	1				
					Airflow Rate of each Outlet, m^3/s	4.2				
					Airflow Rate of each Outlet, m^3/hr	15,108.0				
					Efflux velocity, m/s	15.9				
					Area of each Outlet, m^2	0.26				
					Radius of Exhaust Outlet, m	0.29				
					Diameter of Exhaust Outlet, m	0.58				

Odour Removal Efficiency
of Scrubber Unit **95%**

Notes

1. Required airflow rates of Areas 2 to 4 are calculated based on a fresh air rate of 10 L/person/second.
2. Actual fresh air intakes are calculated based on the required fresh air take.

Calculations of Emission for the Exhaust Outlet at the Wastewater Treatment Facilities (WTF) 2

Area No.	PSC - Odour Generating Activity	Floor area m^2	Clear Head room m	Volume m^3	Air Exchange Rate per hour	Airflow Rate m^3/s	Worst-case Measured Odour Concentration ou/m^3	Adjusted Odour Emission Rate ou/m^3	Odour Emission Rate ou/s	Average Odour Emission Rate after Scrubber Unit ou/s
6	WTF	141	4.5	635	15	2.6	100	100	264.4	13.2
					Total Airflow Rate, m^3/s	2.6	**Total Odour Emission**		**264.4**	**13.2**
					Number of Exhaust Outlet	1				
					Airflow Rate of each Outlet, m^3/s	2.6				
					Airflow Rate of each Outlet, m^3/hr	9,517.5				
					Efflux velocity, m/s	15.9				
					Area of each Outlet, m^2	0.17				
					Radius of Exhaust Outlet, m	0.23				
					Diameter of Exhaust Outlet, m	0.46				

Odour Removal Efficiency
of Scrubber Unit **95%**

Appendix 1-6

ISCST3 Output Files of NO_2

```
1                    ISCST3 - (DATED 96113)

                IBM-PC VERSION (3.06)   ISCST3R
       (C) COPYRIGHT 1992-1997, TRINITY CONSULTANTS, INC.

 Run Began on  5/06/2009 at  9:45:55

 ** BREEZE AIR ISCST3 - D:\PROJECTS\EA01452\S1\NOX_DW.DAT
 ** Trinity Consultants Incorporated, Dallas, TX

 CO STARTING
 CO TITLEONE  Poultry Slaughtering and Processing Plant in Sheung Shui
 CO MODELOPT  CONC  RURAL  GRDRIS  MSGPRO  NOCALM
 CO AVERTIME  1  24  ANNUAL
 CO POLLUTID  NOX
 CO TERRHGTS  ELEV
 CO FLAGPOLE
 CO RUNORNOT  RUN
 CO FINISHED

 SO STARTING
 SO ELEVUNIT  METERS
 SO LOCATION  P1A  POINT  830935.2  842278.6  19.6
 ** SRCDESCR  NOx Extract Outlet
 SO LOCATION  P1B  POINT  830935.2  842278.6  19.6
 ** SRCDESCR  NOx Extract Outlet
 SO LOCATION  P2  POINT  830910.0  842390.0  7
 ** SRCDESCR  45 (Chimney within 500m)
 SO LOCATION  P3  POINT  830911.0  842389.0  7
 ** SRCDESCR  46 (Chimney within 500m)
 SO LOCATION  P4  POINT  830911.0  842380.0  6.4
 ** SRCDESCR  48 (Chimney within 500m)
 SO LOCATION  P5  POINT  830911.0  842380.0  6.4
 ** SRCDESCR  49 (Chimney within 500m)
 SO SRCPARAM  P1A  4.120000E-02  13  475  6  0.2
 SO SRCPARAM  P1B  4.120000E-02  13  475  6  0.2
 SO SRCPARAM  P2  2.330000E-02  13  673  6  0.28
 SO SRCPARAM  P3  1.200000E-02  13  673  6  0.28
 SO SRCPARAM  P4  1.520000E-01  15.6  673  6  0.355
 SO SRCPARAM  P5  9.470000E-02  15.6  673  6  0.355
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1A  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDWID  P1A  45.27  46.35  64.25  70.43  71.18  50.56
 SO BUILDWID  P1A  50.34  50.54  50.54  30.91  30.69  33.48
 SO BUILDWID  P1A  35.4  38.8  33.49  40.61  65.72  62.11
 SO BUILDWID  P1A  45.59  45.27  46.35  40.4  28.84  22.97
 SO BUILDWID  P1A  19.58  17.53  1.57  1.51  1.5  1.54
 SO BUILDWID  P1A  1.63  1.78  2.04  2.47  3.27  5.03
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
 SO BUILDHGT  P1B  10.0  10.0  10.0  10.0  10.0  10.0
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 SO BUILDWID  P1B  50.34  50.54  50.54  30.91  30.69  33.48
 SO BUILDWID  P1B  35.4  38.8  33.49  40.61  65.72  62.11
 SO BUILDWID  P1B  45.59  45.27  46.35  40.4  28.84  22.97
 SO BUILDWID  P1B  19.58  17.53  1.57  1.51  1.5  1.54
 SO BUILDWID  P1B  1.63  1.78  2.04  2.47  3.27  5.03
 SO EMISFACT  P2  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
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 SO EMISFACT  P4  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
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 SO EMISFACT  P4  HROFDY  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0
 SO EMISUNIT  1.0E+06  GRAMS/SEC  MICROGRAMS/M**3
 SO SRCGROUP  ALL
 SO FINISHED

 RE STARTING
 RE ELEVUNIT  METERS
 RE GRIDCART CART1 STA
 RE GRIDCART CART1 XYINC  830450  21  50  841770  21  50
 RE GRIDCART CART1 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
 RE GRIDCART CART1 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
 RE GRIDCART CART1 ELEV  1  5.5  5.5
 RE GRIDCART CART1 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
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 RE GRIDCART CART1 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
 RE GRIDCART CART1 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
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 RE GRIDCART CART1 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
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 RE GRIDCART CART1 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
 RE GRIDCART CART1 ELEV  8  14.4  25.2  36.0  30.75  25.5
 RE GRIDCART CART1 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
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 RE GRIDCART CART1 ELEV  10  27.45  30.23  33.0  38.25  43.5
```



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 RE GRIDCART CART1 FLAG  16  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  16  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  16  1.4
 RE GRIDCART CART1 FLAG  17  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  17  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  17  1.4
 RE GRIDCART CART1 FLAG  18  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  18  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  18  1.4
 RE GRIDCART CART1 FLAG  19  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  19  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  19  1.4
 RE GRIDCART CART1 FLAG  20  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  20  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  20  1.4
 RE GRIDCART CART1 FLAG  21  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  21  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  21  1.4
 RE GRIDCART CART1 END
 RE GRIDCART CART2 STA
 RE GRIDCART CART2 XYINC  830450  21  50  841770  21  50
 RE GRIDCART CART2 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
 RE GRIDCART CART2 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
 RE GRIDCART CART2 ELEV  1  5.5  5.5
 RE GRIDCART CART2 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
 RE GRIDCART CART2 ELEV  2  5.45  4.8  5.18  5.55  5.3  5.05  4.97  4.9  5.25
 RE GRIDCART CART2 ELEV  2  5.6  5.6  5.6
 RE GRIDCART CART2 ELEV  3  9.2  7.4  5.6  6.55  7.5  7.5  7.5  7.5  7.5  6.2
 RE GRIDCART CART2 ELEV  3  4.9  4.9  4.9  5.05  5.2  5.2  5.2  5.45  5.7  5.7
 RE GRIDCART CART2 ELEV  3  5.7
 RE GRIDCART CART2 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
 RE GRIDCART CART2 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
 RE GRIDCART CART2 ELEV  4  6.35  6.35  6.35
 RE GRIDCART CART2 ELEV  5  40.0  35.5  31.0  22.05  13.1  9.8  6.5  6.15  5.8
 RE GRIDCART CART2 ELEV  5  5.5  5.2  5.3  5.4  5.85  6.3  6.65  7.0  7.0  7.0
 RE GRIDCART CART2 ELEV  5  7.0  7.0
```

```
RE GRIDCART CART2 ELEV  6  24.5  26.75  29.0  25.02  21.05  19.4  17.75  16.33
RE GRIDCART CART2 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
RE GRIDCART CART2 ELEV  6  14.48  18.5  16.0  13.5
RE GRIDCART CART2 ELEV  7  9.0  18.0  27.0  28.0  29.0  29.0  29.0  26.5  24.0
RE GRIDCART CART2 ELEV  7  17.3  10.6  13.8  17.0  13.45  9.9  11.9  13.9  21.95
RE GRIDCART CART2 ELEV  7  30.0  25.0  20.0
RE GRIDCART CART2 ELEV  8  8.85  19.17  29.5  31.75  34.0  31.5  29.0  26.75
RE GRIDCART CART2 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
RE GRIDCART CART2 ELEV  8  14.4  25.2  36.0  30.75  25.5
RE GRIDCART CART2 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
RE GRIDCART CART2 ELEV  9  17.8  10.6  13.8  17.0  18.5  20.0  17.45  14.9
RE GRIDCART CART2 ELEV  9  28.45  42.0  36.5  31.0
RE GRIDCART CART2 ELEV  10  7.65  25.08  42.5  45.75  49.0  36.72  24.45  23.23
RE GRIDCART CART2 ELEV  10  22.0  19.65  17.3  17.98  18.65  23.33  28.0  27.73
RE GRIDCART CART2 ELEV  10  27.45  30.23  33.0  38.25  43.5
RE GRIDCART CART2 ELEV  11  6.6  29.8  53.0  56.0  59.0  39.45  19.9  19.45
RE GRIDCART CART2 ELEV  11  19.0  21.5  24.0  22.15  20.3  28.15  36.0  38.0
RE GRIDCART CART2 ELEV  11  40.0  32.0  24.0  40.0  56.0
RE GRIDCART CART2 ELEV  12  8.9  21.2  33.5  35.0  36.5  28.85  21.2  18.9  16.6
RE GRIDCART CART2 ELEV  12  19.17  21.75  24.95  28.15  42.58  57.0  57.0  57.0
RE GRIDCART CART2 ELEV  12  52.25  47.5  54.5  61.5
RE GRIDCART CART2 ELEV  13  11.2  12.6  14.0  14.0  14.0  18.25  22.5  18.35
RE GRIDCART CART2 ELEV  13  14.2  16.85  19.5  27.75  36.0  57.0  78.0  76.0
RE GRIDCART CART2 ELEV  13  74.0  72.5  71.0  69.0  67.0
RE GRIDCART CART2 ELEV  14  9.1  10.27  11.45  12.1  12.75  15.73  18.7  18.65
RE GRIDCART CART2 ELEV  14  18.6  20.92  23.25  31.38  39.5  51.0  62.5  70.5
RE GRIDCART CART2 ELEV  14  78.5  83.82  89.15  90.07  91.0
RE GRIDCART CART2 ELEV  15  7.0  7.95  8.9  10.2  11.5  13.2  14.9  18.95  23.0
RE GRIDCART CART2 ELEV  15  25.0  27.0  35.0  43.0  45.0  47.0  65.0  83.0  95.15
RE GRIDCART CART2 ELEV  15  107.3  111.15  115.0
RE GRIDCART CART2 ELEV  16  6.85  7.53  8.2  8.7  9.2  15.82  22.45  29.23  36.0
RE GRIDCART CART2 ELEV  16  35.75  35.5  39.5  43.5  54.5  65.5  79.5  93.5
RE GRIDCART CART2 ELEV  16  95.57  97.65  103.07  108.5
RE GRIDCART CART2 ELEV  17  6.7  7.1  7.5  7.2  6.9  18.45  30.0  39.5  49.0
RE GRIDCART CART2 ELEV  17  46.5  44.0  44.0  44.0  64.0  84.0  94.0  104.0
RE GRIDCART CART2 ELEV  17  96.0  88.0  95.0  102.0
RE GRIDCART CART2 ELEV  18  5.1  6.05  7.0  8.15  9.3  15.43  21.55  28.02  34.5
RE GRIDCART CART2 ELEV  18  44.5  54.5  55.5  56.5  66.0  75.5  83.0  90.5  77.0
RE GRIDCART CART2 ELEV  18  63.5  70.25  77.0
RE GRIDCART CART2 ELEV  19  3.5  5.0  6.5  9.1  11.7  12.4  13.1  16.55  20.0
RE GRIDCART CART2 ELEV  19  42.5  65.0  67.0  69.0  68.0  67.0  72.0  77.0  58.0
RE GRIDCART CART2 ELEV  19  39.0  45.5  52.0
RE GRIDCART CART2 ELEV  20  4.55  5.25  5.95  8.35  10.75  12.4  14.05  16.77
RE GRIDCART CART2 ELEV  20  19.5  32.75  46.0  55.75  65.5  60.75  56.0  61.75
RE GRIDCART CART2 ELEV  20  67.5  53.25  39.0  44.5  50.0
RE GRIDCART CART2 ELEV  21  5.6  5.5  5.4  7.6  9.8  12.4  15.0  17.0  19.0
RE GRIDCART CART2 ELEV  21  23.0  27.0  44.5  62.0  53.5  45.0  51.5  58.0  48.5
RE GRIDCART CART2 ELEV  21  39.0  43.5  48.0
RE GRIDCART CART2 FLAG  1  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  1  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  1  4.4
RE GRIDCART CART2 FLAG  2  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  2  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  2  4.4
RE GRIDCART CART2 FLAG  3  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  3  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  3  4.4
RE GRIDCART CART2 FLAG  4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  4  4.4
RE GRIDCART CART2 FLAG  5  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  5  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  5  4.4
RE GRIDCART CART2 FLAG  6  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  6  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  6  4.4
RE GRIDCART CART2 FLAG  7  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  7  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  7  4.4
RE GRIDCART CART2 FLAG  8  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  8  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  8  4.4
RE GRIDCART CART2 FLAG  9  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  9  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  9  4.4
RE GRIDCART CART2 FLAG  10  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  10  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  10  4.4
RE GRIDCART CART2 FLAG  11  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  11  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  11  4.4
RE GRIDCART CART2 FLAG  12  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  12  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  12  4.4
RE GRIDCART CART2 FLAG  13  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  13  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  13  4.4
RE GRIDCART CART2 FLAG  14  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  14  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  14  4.4
RE GRIDCART CART2 FLAG  15  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  15  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  15  4.4
RE GRIDCART CART2 FLAG  16  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  16  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  16  4.4
RE GRIDCART CART2 FLAG  17  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  17  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  17  4.4
RE GRIDCART CART2 FLAG  18  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  18  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  18  4.4
RE GRIDCART CART2 FLAG  19  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  19  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  19  4.4
RE GRIDCART CART2 FLAG  20  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  20  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  20  4.4
RE GRIDCART CART2 FLAG  21  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  21  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  21  4.4
RE GRIDCART CART2 END
RE GRIDCART CART3 STA
RE GRIDCART CART3 XYINC  830450  21  50  841770  21  50
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RE GRIDCART CART3 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
RE GRIDCART CART3 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
RE GRIDCART CART3 ELEV  1  5.5  5.5
RE GRIDCART CART3 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
RE GRIDCART CART3 ELEV  2  5.45  4.8  5.18  5.55  5.3  5.05  4.97  4.9  5.25
RE GRIDCART CART3 ELEV  2  5.6  5.6  5.6
RE GRIDCART CART3 ELEV  3  9.2  7.4  5.6  6.55  7.5  7.5  7.5  7.5  7.5  6.2
RE GRIDCART CART3 ELEV  3  4.9  4.9  4.9  5.05  5.2  5.2  5.2  5.45  5.7  5.7
RE GRIDCART CART3 ELEV  3  5.7
RE GRIDCART CART3 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
RE GRIDCART CART3 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
RE GRIDCART CART3 ELEV  4  6.35  6.35  6.35
RE GRIDCART CART3 ELEV  5  40.0  35.5  31.0  22.05  13.1  9.8  6.5  6.15  5.8
RE GRIDCART CART3 ELEV  5  5.5  5.2  5.3  5.4  5.85  6.3  6.65  7.0  7.0  7.0
RE GRIDCART CART3 ELEV  5  7.0  7.0
RE GRIDCART CART3 ELEV  6  24.5  26.75  29.0  25.02  21.05  19.4  17.75  16.33
RE GRIDCART CART3 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
RE GRIDCART CART3 ELEV  6  14.48  18.5  16.0  13.5
RE GRIDCART CART3 ELEV  7  9.0  18.0  27.0  28.0  29.0  29.0  29.0  26.5  24.0
RE GRIDCART CART3 ELEV  7  17.3  10.6  13.8  17.0  13.45  9.9  11.9  13.9  21.95
RE GRIDCART CART3 ELEV  7  30.0  25.0  20.0
RE GRIDCART CART3 ELEV  8  8.85  19.17  29.5  31.75  34.0  31.5  29.0  26.75
RE GRIDCART CART3 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
RE GRIDCART CART3 ELEV  8  14.4  25.2  36.0  30.75  25.5
RE GRIDCART CART3 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
RE GRIDCART CART3 ELEV  9  17.8  10.6  13.8  17.0  18.5  20.0  17.45  14.9
RE GRIDCART CART3 ELEV  9  28.45  42.0  36.5  31.0
RE GRIDCART CART3 ELEV  10  7.65  25.08  42.5  45.75  49.0  36.72  24.45  23.23
RE GRIDCART CART3 ELEV  10  22.0  19.65  17.3  17.98  18.65  23.33  28.0  27.73
RE GRIDCART CART3 ELEV  10  27.45  30.23  33.0  38.25  43.5
RE GRIDCART CART3 ELEV  11  6.6  29.8  53.0  56.0  59.0  39.45  19.9  19.45
RE GRIDCART CART3 ELEV  11  19.0  21.5  24.0  22.15  20.3  28.15  36.0  38.0
RE GRIDCART CART3 ELEV  11  40.0  32.0  24.0  40.0  56.0
RE GRIDCART CART3 ELEV  12  8.9  21.2  33.5  35.0  36.5  28.85  21.2  18.9  16.6
RE GRIDCART CART3 ELEV  12  19.17  21.75  24.95  28.15  42.58  57.0  57.0  57.0
RE GRIDCART CART3 ELEV  12  52.25  47.5  54.5  61.5
RE GRIDCART CART3 ELEV  13  11.2  12.6  14.0  14.0  14.0  18.25  22.5  18.35
RE GRIDCART CART3 ELEV  13  14.2  16.85  19.5  27.75  36.0  57.0  78.0  76.0
RE GRIDCART CART3 ELEV  13  74.0  72.5  71.0  69.0  67.0
RE GRIDCART CART3 ELEV  14  9.1  10.27  11.45  12.1  12.75  15.73  18.7  18.65
RE GRIDCART CART3 ELEV  14  18.6  20.92  23.25  31.38  39.5  51.0  62.5  70.5
RE GRIDCART CART3 ELEV  14  78.5  83.82  89.15  90.07  91.0
RE GRIDCART CART3 ELEV  15  7.0  7.95  8.9  10.2  11.5  13.2  14.9  18.95  23.0
RE GRIDCART CART3 ELEV  15  25.0  27.0  35.0  43.0  45.0  47.0  65.0  83.0  95.15
RE GRIDCART CART3 ELEV  15  107.3  111.15  115.0
RE GRIDCART CART3 ELEV  16  6.85  7.53  8.2  8.7  9.2  15.82  22.45  29.23  36.0
RE GRIDCART CART3 ELEV  16  35.75  35.5  39.5  43.5  54.5  65.5  79.5  93.5
RE GRIDCART CART3 ELEV  16  95.57  97.65  103.07  108.5
RE GRIDCART CART3 ELEV  17  6.7  7.1  7.5  7.2  6.9  18.45  30.0  39.5  49.0
RE GRIDCART CART3 ELEV  17  46.5  44.0  44.0  44.0  64.0  84.0  94.0  104.0
RE GRIDCART CART3 ELEV  17  96.0  88.0  95.0  102.0
RE GRIDCART CART3 ELEV  18  5.1  6.05  7.0  8.15  9.3  15.43  21.55  28.02  34.5
RE GRIDCART CART3 ELEV  18  44.5  54.5  55.5  56.5  66.0  75.5  83.0  90.5  77.0
RE GRIDCART CART3 ELEV  18  63.5  70.25  77.0
RE GRIDCART CART3 ELEV  19  3.5  5.0  6.5  9.1  11.7  12.4  13.1  16.55  20.0
RE GRIDCART CART3 ELEV  19  42.5  65.0  67.0  69.0  68.0  67.0  72.0  77.0  58.0
RE GRIDCART CART3 ELEV  19  39.0  45.5  52.0
RE GRIDCART CART3 ELEV  20  4.55  5.25  5.95  8.35  10.75  12.4  14.05  16.77
RE GRIDCART CART3 ELEV  20  19.5  32.75  46.0  55.75  65.5  60.75  56.0  61.75
RE GRIDCART CART3 ELEV  20  67.5  53.25  39.0  44.5  50.0
RE GRIDCART CART3 ELEV  21  5.6  5.5  5.4  7.6  9.8  12.4  15.0  17.0  19.0
RE GRIDCART CART3 ELEV  21  23.0  27.0  44.5  62.0  53.5  45.0  51.5  58.0  48.5
RE GRIDCART CART3 ELEV  21  39.0  43.5  48.0
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  2  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  2  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  2  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  3  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  3  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  3  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  5  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  5  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  5  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  6  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  6  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  6  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  7  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  7  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  7  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  8  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  8  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  8  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  9  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  9  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  9  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  10  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  10  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  10  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  11  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  11  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  11  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  12  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  12  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  12  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  13  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  13  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  13  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  14  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  14  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  14  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  15  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  15  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  15  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  16  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  16  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  16  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  17  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  17  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  17  13.4  13.4  13.4
```

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RE GRIDCART CART3 FLAG  18  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  18  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  18  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  19  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  19  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  19  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  20  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  20  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  20  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  21  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  21  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  21  13.4  13.4  13.4
RE GRIDCART CART3 END
RE DISCCART  830944.0  842198.0  18.5  1.4
** RCPDESCR  Ala-Hung Kiu San Tsuen
RE DISCCART  830944.0  842198.0  18.5  4.4
** RCPDESCR  Ala-Hung Kiu San Tsuen
RE DISCCART  830955.0  842096.0  12  1.4
** RCPDESCR  Alb-Hung Kiu San Tsuen
RE DISCCART  830955.0  842096.0  12  4.4
** RCPDESCR  Alb-Hung Kiu San Tsuen
RE DISCCART  831175.0  842043.0  4.1  1.4
** RCPDESCR  A2-Tin Hau Temple
RE DISCCART  830787.0  842729.0  28.1  1.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  4.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  7.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  10.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  13.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830592.0  842499.0  10.6  1.4
** RCPDESCR  A4-Sha Ling Police Post
RE DISCCART  830856.0  842030.0  12.3  1.4
** RCPDESCR  A5a-Lee Ka Yuen
RE DISCCART  830856.0  842030.0  12.3  4.4
** RCPDESCR  A5a-Lee Ka Yuen
RE DISCCART  830794.0  841940.0  12.3  1.4
** RCPDESCR  A5b-Lee Ka Yuen
RE DISCCART  830794.0  841940.0  12.3  4.4
** RCPDESCR  A5b-Lee Ka Yuen
RE DISCCART  830733.0  842013.0  17  1.4
** RCPDESCR  A5c-Lee Ka Yuen
RE DISCCART  830733.0  842013.0  17  4.4
** RCPDESCR  A5c-Lee Ka Yuen
RE DISCCART  830668.0  842399.0  13.8  1.4
** RCPDESCR  A6a-Village House 1
RE DISCCART  830611.0  842391.0  13.8  1.4
** RCPDESCR  A6b-Village House 2
RE DISCCART  830730.4  842441.0  19  1.4
** RCPDESCR  A7-Village House 3
RE DISCCART  830761.3  842315.0  14.1  1.4
** RCPDESCR  A8-Village House 4
RE DISCCART  830788.0  842182.0  14.2  1.4
** RCPDESCR  A9-Village House 5
RE DISCCART  830980.0  842042.0  10.5  1.4
** RCPDESCR  A10-Village House 6
RE DISCCART  830980.0  842042.0  10.5  4.4
** RCPDESCR  A10-Village House 6
RE DISCCART  830999.0  842008.0  10.5  1.4
** RCPDESCR  A11-Village House 7
RE DISCCART  831342.0  842511.0  135  1.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  4.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  7.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  10.4
** RCPDESCR  G/IC1
RE DISCCART  830780.0  842653.0  18  1.4
** RCPDESCR  G/IC2
RE DISCCART  830780.0  842653.0  18  4.4
** RCPDESCR  G/IC2
RE FINISHED

ME STARTING
ME INPUTFIL  D:\PROJECTS\EA01452\S1\TKL07.ASC
ME ANEMHGHT  15.0  METERS
ME SURFDATA  99999  2007
ME UAIRDATA  99999  2007
ME STARTEND  2007  01  01  1  2007  12  31  24
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU RECTABLE  24  FIRST
OU RECTABLE  ALLAVE  FIRST
OU PLOTFILE  1  ALL  FIRST  D:\PROJECTS\EA01452\S1\NOX_DWH.OUT
OU PLOTFILE  24  ALL  FIRST  D:\PROJECTS\EA01452\S1\NOX_DWD.OUT
OU PLOTFILE  ANNUAL  ALL  D:\PROJECTS\EA01452\S1\NOX_DWA.OUT
OU FINISHED

 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of           1 Warning Message(s)
A Total of           0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***

   ********   WARNING MESSAGES   ********
CO W205    17 FLAGDF:No Option Parameter Setting.  Forced by Default to ZFLAG=0.

***********************************
*** SETUP Finishes Successfully ***
***********************************
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        09:45:55
```



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**MODELOPTs: CONC                       RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

  --  SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE = F
**Model Uses NO WET DEPLETION.  WDPLETE = F
**NO WET SCAVENGING Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses User-Specified Options:
          1. Gradual Plume Rise.
          2. Stack-tip Downwash.
          3. Buoyancy-induced Dispersion.
          4. Not Use Calms Processing Routine.
          5. Missing Data Processing Routine.
          6. Default Wind Profile Exponents.
          7. Default Vertical Potential Temperature Gradients.

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
    and Calculates ANNUAL Averages

**This Run Includes:    6 Source(s);      1 Source Group(s); and   1354 Receptor(s)

**The Model Assumes A Pollutant Type of:  NOX

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
        Model Outputs Tables of ANNUAL Averages by Receptor
        Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Anem. Hgt. (m) =    15.00 ;    Decay Coef. =    .0000     ;    Rot. Angle =      .0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =    .10000E+07
                 Output Units   = MICROGRAMS/M**3

**Input Runstream File: D:\PROJECTS\EA01452\S1\NOX_DW.DAT       ;  **Output Print File: D:\PROJECTS\EA01452\S1\NOX_DW.LST
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        09:45:55
```



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**MODELOPTs: CONC                       RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                                *** POINT SOURCE DATA ***

            NUMBER EMISSION RATE                          BASE     STACK   STACK    STACK     STACK    BUILDING EMISSION RATE
   SOURCE     PART. (USER UNITS)      X         Y         ELEV.    HEIGHT  TEMP.    EXIT VEL. DIAMETER   EXISTS   SCALAR VARY
     ID       CATS.                 (METERS) (METERS) (METERS) (METERS) (DEG.K)  (M/SEC)  (METERS)                    BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  P1A           0    .41200E-01  830935.2  842278.6    19.6    13.00   475.00    6.00      .20      YES
  P1B           0    .41200E-01  830935.2  842278.6    19.6    13.00   475.00    6.00      .20      YES
  P2            0    .23300E-01  830910.0  842390.0     7.0    13.00   673.00    6.00      .28      NO       HROFDY
  P3            0    .12000E-01  830911.0  842389.0     7.0    13.00   673.00    6.00      .28      NO       HROFDY
  P4            0    .15200E+00  830911.0  842380.0     6.4    15.60   673.00    6.00      .36      NO       HROFDY
  P5            0    .94700E-01  830911.0  842380.0     6.4    15.60   673.00    6.00      .36      NO       HROFDY
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        09:45:55
```



```
**MODELOPTs: CONC                       RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                             *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                          SOURCE IDs

 ALL       P1A     , P1B     , P2      , P3      , P4      , P5      ,
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        09:45:55
```



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**MODELOPTs: CONC                       RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                          *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***


SOURCE ID: P1A
 IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK
   1  10.0,  45.3, 0     2  10.0,  46.3, 0     3  10.0,  64.3, 0     4  10.0,  70.4, 0     5  10.0,  71.2, 0     6  10.0,  50.6, 0
   7  10.0,  50.3, 0     8  10.0,  50.5, 0     9  10.0,  50.5, 0    10  10.0,  30.9, 0    11  10.0,  30.7, 0    12  10.0,  33.5, 0
  13  10.0,  35.4, 0    14  10.0,  38.8, 0    15  10.0,  33.5, 0    16  10.0,  40.6, 0    17  10.0,  65.7, 0    18  10.0,  62.1, 0
  19  10.0,  45.6, 0    20  10.0,  45.3, 0    21  10.0,  46.3, 0    22  10.0,  40.4, 0    23  10.0,  28.8, 0    24  10.0,  23.0, 0
  25  10.0,  19.6, 0    26  10.0,  17.5, 0    27  10.0,   1.6, 0    28  10.0,   1.5, 0    29  10.0,   1.5, 0    30  10.0,   1.5, 0
  31  10.0,   1.6, 0    32  10.0,   1.8, 0    33  10.0,   2.0, 0    34  10.0,   2.5, 0    35  10.0,   3.3, 0    36  10.0,   5.0, 0

SOURCE ID: P1B
 IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK  IFV   BH     BW  WAK
   1  10.0,  45.3, 0     2  10.0,  46.3, 0     3  10.0,  64.3, 0     4  10.0,  70.4, 0     5  10.0,  71.2, 0     6  10.0,  50.6, 0
   7  10.0,  50.3, 0     8  10.0,  50.5, 0     9  10.0,  50.5, 0    10  10.0,  30.9, 0    11  10.0,  30.7, 0    12  10.0,  33.5, 0
  13  10.0,  35.4, 0    14  10.0,  38.8, 0    15  10.0,  33.5, 0    16  10.0,  40.6, 0    17  10.0,  65.7, 0    18  10.0,  62.1, 0
  19  10.0,  45.6, 0    20  10.0,  45.3, 0    21  10.0,  46.3, 0    22  10.0,  40.4, 0    23  10.0,  28.8, 0    24  10.0,  23.0, 0
  25  10.0,  19.6, 0    26  10.0,  17.5, 0    27  10.0,   1.6, 0    28  10.0,   1.5, 0    29  10.0,   1.5, 0    30  10.0,   1.5, 0
  31  10.0,   1.6, 0    32  10.0,   1.8, 0    33  10.0,   2.0, 0    34  10.0,   2.5, 0    35  10.0,   3.3, 0    36  10.0,   5.0, 0

 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        09:45:55
```



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**MODELOPTs: CONC                       RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                  * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *
```

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = P2 ; SOURCE TYPE = POINT :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = P3 ; SOURCE TYPE = POINT :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = P4 ; SOURCE TYPE = POINT :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

SOURCE ID = P5 ; SOURCE TYPE = POINT :

1	.10000E+01	2	.10000E+01	3	.10000E+01	4	.10000E+01	5	.10000E+01	6	.10000E+01
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	.10000E+01
19	.10000E+01	20	.10000E+01	21	.10000E+01	22	.10000E+01	23	.10000E+01	24	.10000E+01

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.00	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00

841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45
841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	4.70	5.45	6.20	5.55	4.90	4.75	4.60	5.05

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00
842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00
842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842720.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842670.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842620.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842570.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842520.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842470.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842420.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842370.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842320.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842270.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842220.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842170.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842120.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842070.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842020.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841970.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841920.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841870.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841820.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842720.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842670.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842620.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842570.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842520.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842470.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842420.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842370.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842320.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842270.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842220.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842170.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842120.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842070.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842020.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841970.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841920.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841870.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841820.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	1.40	1.40	1.40
842720.00	1.40	1.40	1.40
842670.00	1.40	1.40	1.40
842620.00	1.40	1.40	1.40
842570.00	1.40	1.40	1.40
842520.00	1.40	1.40	1.40
842470.00	1.40	1.40	1.40
842420.00	1.40	1.40	1.40
842370.00	1.40	1.40	1.40
842320.00	1.40	1.40	1.40
842270.00	1.40	1.40	1.40
842220.00	1.40	1.40	1.40
842170.00	1.40	1.40	1.40
842120.00	1.40	1.40	1.40
842070.00	1.40	1.40	1.40
842020.00	1.40	1.40	1.40
841970.00	1.40	1.40	1.40
841920.00	1.40	1.40	1.40
841870.00	1.40	1.40	1.40
841820.00	1.40	1.40	1.40
841770.00	1.40	1.40	1.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 13

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 14

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 15

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.00	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00
841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45

841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	4.70	5.45	6.20	5.55	4.90	4.75	4.60	5.05

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 16

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00
842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00
842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 17

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842720.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842670.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842620.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842570.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842520.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842470.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842420.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842370.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842320.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842270.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842220.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842170.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842120.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842070.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842020.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841970.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841920.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841870.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841820.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 18

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842720.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842670.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842620.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842570.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842520.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842470.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842420.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842370.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842320.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842270.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842220.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842170.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842120.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842070.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842020.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841970.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841920.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841870.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841820.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 19

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD | X-COORD (METERS)

(METERS)	831350.00	831400.00	831450.00
842770.00	4.40	4.40	4.40
842720.00	4.40	4.40	4.40
842670.00	4.40	4.40	4.40
842620.00	4.40	4.40	4.40
842570.00	4.40	4.40	4.40
842520.00	4.40	4.40	4.40
842470.00	4.40	4.40	4.40
842420.00	4.40	4.40	4.40
842370.00	4.40	4.40	4.40
842320.00	4.40	4.40	4.40
842270.00	4.40	4.40	4.40
842220.00	4.40	4.40	4.40
842170.00	4.40	4.40	4.40
842120.00	4.40	4.40	4.40
842070.00	4.40	4.40	4.40
842020.00	4.40	4.40	4.40
841970.00	4.40	4.40	4.40
841920.00	4.40	4.40	4.40
841870.00	4.40	4.40	4.40
841820.00	4.40	4.40	4.40
841770.00	4.40	4.40	4.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.05	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00
841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45
841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	4.70	5.45	6.20	5.55	4.90	4.75	4.60	5.05

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00
842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00
842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842720.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842670.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842620.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842570.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842520.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842470.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842420.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842370.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842320.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842270.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842220.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842170.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842120.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842070.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842020.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841970.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841920.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841870.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841820.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842720.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842670.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842620.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842570.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842520.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842470.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842420.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842370.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842320.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842270.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842220.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842170.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842120.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842070.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842020.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841970.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841920.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841870.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841820.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00

Y-COORD (METERS)			
842770.00	13.40	13.40	13.40
842720.00	13.40	13.40	13.40
842670.00	13.40	13.40	13.40
842620.00	13.40	13.40	13.40
842570.00	13.40	13.40	13.40
842520.00	13.40	13.40	13.40
842470.00	13.40	13.40	13.40
842420.00	13.40	13.40	13.40
842370.00	13.40	13.40	13.40
842320.00	13.40	13.40	13.40
842270.00	13.40	13.40	13.40
842220.00	13.40	13.40	13.40
842170.00	13.40	13.40	13.40
842120.00	13.40	13.40	13.40
842070.00	13.40	13.40	13.40
842020.00	13.40	13.40	13.40
841970.00	13.40	13.40	13.40
841920.00	13.40	13.40	13.40
841870.00	13.40	13.40	13.40
841820.00	13.40	13.40	13.40
841770.00	13.40	13.40	13.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 27

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(830944.0, 842198.0, 18.5, 1.4); (830944.0, 842198.0, 18.5, 4.4);
(830955.0, 842096.0, 12.0, 1.4); (830955.0, 842096.0, 12.0, 4.4);
(831175.0, 842043.0, 4.1, 1.4); (830787.0, 842729.0, 28.1, 1.4);
(830787.0, 842729.0, 28.1, 4.4); (830787.0, 842729.0, 28.1, 7.4);
(830787.0, 842729.0, 28.1, 10.4); (830787.0, 842729.0, 28.1, 13.4);
(830592.0, 842499.0, 10.6, 1.4); (830856.0, 842030.0, 12.3, 1.4);
(830856.0, 842030.0, 12.3, 4.4); (830794.0, 841940.0, 12.3, 1.4);
(830794.0, 841940.0, 12.3, 4.4); (830733.0, 842013.0, 17.0, 1.4);
(830733.0, 842013.0, 17.0, 4.4); (830668.0, 842399.0, 13.8, 1.4);
(830611.0, 842391.0, 13.8, 1.4); (830730.4, 842441.0, 19.0, 1.4);
(830761.3, 842315.0, 14.1, 1.4); (830788.0, 842182.0, 14.2, 1.4);
(830980.0, 842042.0, 10.5, 1.4); (830980.0, 842042.0, 10.5, 4.4);
(830999.0, 842008.0, 10.5, 1.4); (831342.0, 842511.0, 135.0, 1.4);
(831342.0, 842511.0, 135.0, 4.4); (831342.0, 842511.0, 135.0, 7.4);
(831342.0, 842511.0, 135.0, 10.4); (830780.0, 842653.0, 18.0, 1.4);
(830780.0, 842653.0, 18.0, 4.4);

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 28

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
P1A	830950.0	842270.0	17.14
P1A	830950.0	842270.0	17.14
P1A	830950.0	842270.0	17.14
P1B	830950.0	842270.0	17.14
P1B	830950.0	842270.0	17.14
P1B	830950.0	842270.0	17.14

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 29

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 7 1 1 1
AND END DATE: 7 12 31 24

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 30

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: D:\PROJECTS\EA01452\S1\TKL07.ASC FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 2007 YEAR: 2007

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
7	1	1	1	301.0	1.10	290.0	6	736.4	172.0	.0000	.0	.0000	0	.00
7	1	1	2	317.0	1.20	289.6	6	731.5	172.0	.0000	.0	.0000	0	.00
7	1	1	3	342.0	.90	288.6	6	726.6	172.0	.0000	.0	.0000	0	.00
7	1	1	4	179.0	.20	287.1	6	721.6	172.0	.0000	.0	.0000	0	.00
7	1	1	5	6.0	.40	286.2	6	716.7	172.0	.0000	.0	.0000	0	.00
7	1	1	6	320.0	.40	285.8	6	711.8	172.0	.0000	.0	.0000	0	.00
7	1	1	7	360.0	.60	285.3	6	706.8	172.0	.0000	.0	.0000	0	.00
7	1	1	8	95.0	.20	285.6	6	91.9	240.4	.0000	.0	.0000	0	.00
7	1	1	9	154.0	.80	287.8	4	188.6	312.4	.0000	.0	.0000	0	.00
7	1	1	10	84.0	.70	291.9	2	285.4	384.4	.0000	.0	.0000	0	.00
7	1	1	11	268.0	3.10	294.1	3	382.1	456.3	.0000	.0	.0000	0	.00
7	1	1	12	270.0	3.20	295.4	2	478.8	528.3	.0000	.0	.0000	0	.00
7	1	1	13	295.0	3.10	296.7	2	575.6	600.3	.0000	.0	.0000	0	.00
7	1	1	14	286.0	3.40	296.3	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	15	287.0	2.70	296.2	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	16	303.0	2.30	295.7	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	17	308.0	2.30	294.8	4	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	18	304.0	2.90	292.6	6	670.7	662.7	.0000	.0	.0000	0	.00
7	1	1	19	319.0	2.10	291.2	6	659.7	598.7	.0000	.0	.0000	0	.00
7	1	1	20	321.0	1.50	290.8	6	648.7	534.7	.0000	.0	.0000	0	.00
7	1	1	21	344.0	1.50	290.6	6	637.8	470.8	.0000	.0	.0000	0	.00
7	1	1	22	338.0	1.10	290.5	6	626.8	406.8	.0000	.0	.0000	0	.00
7	1	1	23	313.0	1.40	290.3	6	615.9	342.8	.0000	.0	.0000	0	.00
7	1	1	24	360.0	1.20	290.4	6	604.9	278.8	.0000	.0	.0000	0	.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 31

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	.43004	.37021	.30381	.28818	.27171	.26362	.30961	.42536	.48496
842720.00	.50122	.46831	.41861	.38760	.36736	.32441	.30729	.42124	.56094
842670.00	.59318	.59168	.57301	.56968	.52423	.42926	.34651	.42723	.66717
842620.00	.79157	.80243	.78745	.74462	.66579	.76693	1.09182	2.32939	5.85005
842570.00	.99779	1.05028	1.06442	.97985	.82601	1.66554	4.74899	8.84104	9.12686
842520.00	1.02188	1.16693	1.31693	1.42003	1.42887	2.17341	3.68214	4.81715	10.06494
842470.00	.94620	1.11960	1.33773	1.65003	2.04778	2.56086	2.90046	3.64547	2.75404
842420.00	.90833	1.09539	1.34261	1.62189	1.98281	3.00183	5.17358	6.90155	5.67638
842370.00	.80727	.97222	1.19322	1.37011	1.59034	2.61091	4.98659	3.51939	.78690
842320.00	.55410	1.46107	5.59476	6.70968	7.59792	3.85392	2.04588	1.43903	.82709
842270.00	.39029	2.56616	4.31356	4.57680	4.79401	5.25088	1.12333	1.55137	3.38712
842220.00	.33925	1.67771	3.97279	3.92058	3.23985	5.24185	2.00843	2.72238	4.14147
842170.00	.30749	.84653	2.11791	2.80698	3.52329	2.95379	2.56718	3.32292	4.66250
842120.00	.20728	.52495	1.39360	1.62847	2.39287	2.40623	2.72941	3.29404	4.45839
842070.00	.16912	.34532	.95423	1.21720	1.58436	2.17193	2.58040	3.22248	3.74897
842020.00	.70461	.89692	1.15768	.98883	.88334	.97998	1.14301	1.38865	1.50998
841970.00	1.42657	1.54150	1.27436	.95826	.48974	.50662	.52384	.62236	.68674
841920.00	.74562	.52473	.47535	.44985	.43448	.49876	.54230	.63914	.69311
841870.00	.15834	.17512	.21269	.29358	.39041	.47165	.55409	.65172	.69042
841820.00	.16763	.20830	.25449	.33092	.41363	.47303	.54393	.60111	.59278
841770.00	.18334	.23367	.29660	.35928	.42458	.47400	.53870	.55225	.51489

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 32

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	1.10173	1.48223	3.94517	3.44285	3.49653	3.42794	2.72150	2.34012	2.09461
842720.00	3.79928	5.07492	3.99578	3.99737	3.67881	3.36364	2.72270	2.35979	1.99367
842670.00	6.45451	5.38330	4.93570	4.38259	3.99935	3.31883	2.83873	2.17224	1.93444
842620.00	7.34644	6.66382	5.70262	5.08825	4.32587	3.42951	2.61239	2.10076	1.73327
842570.00	9.22667	6.23050	7.78064	6.82322	4.40842	3.25341	2.41703	1.95223	1.72852
842520.00	9.92334	7.81744	9.38478	7.31662	4.21290	3.02765	2.52847	1.90129	1.60959
842470.00	2.43324	3.72713	9.27119	7.06624	5.07436	3.54312	2.37169	1.85756	1.57264
842420.00	2.51764	5.86606	6.96658	6.98385	3.82130	2.85292	2.30428	1.86124	1.57825
842370.00	.36747	1.66460	5.34059	5.59410	3.33971	2.52430	2.10397	1.72381	1.49830
842320.00	3.89079	2.76990	3.41089	2.96041	3.65740	2.35990	1.81134	1.55909	1.39289
842270.00	8.34515	1.71073	1.75592	1.11010	1.81981	2.54275	2.17191	1.82350	1.13111
842220.00	4.23019	1.34667	.81586	.73555	1.00895	1.16066	.97822	.84335	.91992
842170.00	3.21610	.67708	.59931	.56486	.55286	.50406	.36954	.24871	.81818
842120.00	2.67771	.76851	.61455	.59547	.38952	.32575	.24643	.22765	.69614
842070.00	2.21476	.78300	.64154	.58643	.34160	.20196	.20220	.20831	.43134
842020.00	1.14165	.60328	.43807	.34464	.25308	.19034	.15973	.15423	.20781

841970.00	.65180	.47800	.31443	.23157	.19146	.16726	.14790	.11973	.10616
841920.00	.63462	.46403	.30798	.23098	.18088	.15913	.13852	.12358	.10066
841870.00	.61791	.44977	.30260	.23222	.17766	.14767	.13257	.11660	.10532
841820.00	.55834	.43609	.30773	.24737	.18612	.14380	.12848	.11542	.10677
841770.00	.50809	.42275	.31348	.26184	.19761	.14705	.12226	.11388	.10588

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 33

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	831350.00	831400.00	831450.00
842770.00	1.99353	1.77539	1.35082
842720.00	2.13125	1.73126	1.23568
842670.00	1.92520	1.55776	1.20940
842620.00	1.50375	1.36552	1.14911
842570.00	1.43397	1.22929	1.04081
842520.00	1.33861	1.15586	.99235
842470.00	1.34103	1.14519	.99909
842420.00	1.38072	1.14899	1.02520
842370.00	1.29591	1.20852	1.07779
842320.00	1.50398	1.09638	.90436
842270.00	.55947	1.15808	.86240
842220.00	1.10044	1.22151	1.03529
842170.00	1.27698	1.06793	.64061
842120.00	1.32908	.85596	.52295
842070.00	.84425	.58165	.27860
842020.00	.27368	.20824	.15804
841970.00	.10053	.09381	.08797
841920.00	.09107	.08772	.08664
841870.00	.08891	.08037	.07598
841820.00	.09743	.08236	.07362
841770.00	.10009	.08964	.07688

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 34

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	.45215	.38792	.31719	.30605	.29381	.29533	.36110	.50458	.58930
842720.00	.52076	.48751	.43641	.40795	.39621	.35582	.34720	.49480	.68425
842670.00	.61211	.61263	.59567	.59899	.55955	.46481	.37716	.49370	.81533
842620.00	.81659	.82957	.81720	.77549	.69810	.83912	1.34084	2.90730	6.54664
842570.00	1.03152	1.08552	1.10098	1.01709	.86425	1.85501	5.60506	9.47069	9.70535
842520.00	1.05321	1.20379	1.36190	1.47470	1.49632	2.32582	4.39476	6.15634	11.58126
842470.00	.97400	1.15287	1.38008	1.71080	2.14414	2.73087	3.19396	4.17987	3.74069
842420.00	.94246	1.13708	1.39545	1.68698	2.07253	3.18643	5.63757	8.29334	9.82421
842370.00	.85302	1.02913	1.26569	1.44280	1.67205	2.81345	5.76396	4.22976	1.42070
842320.00	.57551	1.63189	5.96258	7.22125	8.28938	4.51100	2.26442	1.68949	1.17387
842270.00	.40380	2.78037	4.36291	4.71644	5.08141	5.97921	1.23953	1.74469	4.15701
842220.00	.36010	1.79448	3.94477	3.93880	3.42138	5.36650	2.23075	3.02162	4.47994
842170.00	.33080	.90260	2.13233	2.84530	3.55552	3.10405	2.74709	3.61482	5.05976
842120.00	.22230	.56830	1.43918	1.66481	2.46618	2.48139	2.87183	3.53136	4.78787
842070.00	.18265	.37688	1.02039	1.29296	1.65561	2.26379	2.69559	3.40791	4.00878
842020.00	.75309	.95132	1.20615	1.06556	.94929	1.04808	1.20698	1.47240	1.60063
841970.00	1.40012	1.53161	1.28977	1.03259	.51960	.53057	.54662	.65115	.72293
841920.00	.78774	.55702	.50723	.47746	.45603	.51965	.56570	.66676	.72552
841870.00	.17087	.18660	.22287	.30595	.40622	.49078	.57763	.68012	.72109
841820.00	.17918	.21966	.26537	.34466	.43049	.49248	.56600	.62567	.61728
841770.00	.19372	.24426	.30936	.37394	.44182	.49377	.56063	.57326	.53503

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 35

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	1.40327	1.71694	3.90367	3.41302	3.45858	3.36777	2.67854	2.29796	2.05295
842720.00	4.13831	5.11631	4.01110	3.99586	3.66513	3.33859	2.69221	2.32508	1.95973
842670.00	6.67099	5.49131	5.01638	4.43129	4.02110	3.31753	2.82209	2.15015	1.90743
842620.00	7.73090	6.92266	5.89784	5.21796	4.39958	3.45743	2.61476	2.08848	1.71491
842570.00	9.93099	6.64276	8.04566	6.99148	4.54154	3.31323	2.43601	1.95086	1.71504
842520.00	11.62664	8.91644	9.85377	7.58601	4.41458	3.12019	2.56756	1.91081	1.60271
842470.00	3.63090	4.87685	10.15361	7.39584	5.20476	3.60791	2.43086	1.87459	1.57090
842420.00	7.35632	8.23222	7.60603	7.36182	4.12088	2.99832	2.37179	1.88780	1.58206
842370.00	6.50450	2.84276	5.79058	5.96576	3.64767	2.67135	2.18200	1.75573	1.50669
842320.00	9.04784	5.14114	3.96678	3.19415	3.84510	2.52145	1.89134	1.59190	1.40263
842270.00	12.38919	2.30373	2.25287	1.25018	1.99070	2.64477	2.20870	1.83565	1.15378
842220.00	5.10447	1.93131	.98210	.84509	1.15868	1.27415	1.07098	.91442	.94747
842170.00	3.61466	.81888	.68206	.63597	.63443	.56570	.41709	.27346	.87154
842120.00	2.91531	.87205	.69285	.67261	.43233	.36722	.27140	.25373	.76220
842070.00	2.38672	.86457	.72320	.65786	.37928	.21544	.22330	.23126	.47615
842020.00	1.22404	.65290	.47930	.37635	.27307	.20453	.17128	.16875	.23032
841970.00	.69126	.50995	.33647	.24647	.20146	.17751	.15848	.12778	.11421
841920.00	.66967	.49180	.32888	.24708	.19127	.16906	.14782	.13277	.10800
841870.00	.65083	.47484	.32278	.24842	.19001	.15633	.14167	.12490	.11335

841820.00	.58657	.45922	.32832	.26503	.20077	.15316	.13720	.12395	.11514
841770.00	.53263	.44429	.33426	.28060	.21350	.15821	.13019	.12238	.11417

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 36

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	831350.00	831400.00	831450.00
842770.00	1.96007	1.73716	1.31903
842720.00	2.09336	1.69181	1.20788
842670.00	1.89314	1.52267	1.18325
842620.00	1.48121	1.34046	1.12531
842570.00	1.41596	1.20836	1.01962
842520.00	1.32421	1.13760	.97319
842470.00	1.32932	1.12858	.98081
842420.00	1.37276	1.13514	1.00767
842370.00	1.29046	1.19495	1.06047
842320.00	1.47897	1.08536	.89074
842270.00	.60103	1.14334	.84929
842220.00	1.11730	1.20370	1.01461
842170.00	1.26334	1.06051	.65317
842120.00	1.31865	.87557	.55860
842070.00	.87558	.62236	.29903
842020.00	.30136	.23147	.17455
841970.00	.10915	.10214	.09587
841920.00	.09803	.09500	.09448
841870.00	.09584	.08644	.08213
841820.00	.10541	.08909	.07923
841770.00	.10844	.09726	.08327

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 37

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	.73940	.62951	.50686	.56340	.61684	.74276	1.02346	1.44313	1.71748
842720.00	.78398	.75733	.69513	.70747	.82349	.83699	.95137	1.46782	2.10228
842670.00	.86812	.90534	.92420	1.04208	1.09246	1.03446	.91870	1.50386	2.63899
842620.00	1.15148	1.20445	1.24354	1.22562	1.19047	1.91169	3.94029	7.11056	8.90699
842570.00	1.48111	1.56695	1.60152	1.50647	1.31861	4.36431	10.33467	10.22259	9.22211
842520.00	1.47424	1.70393	1.96875	2.18167	2.30668	4.61610	12.36301	13.67489	14.72733
842470.00	1.34853	1.60606	1.95456	2.52336	3.36787	4.74234	6.34955	10.17050	14.74513
842420.00	1.41172	1.72790	2.16275	2.63281	3.29758	5.60346	10.78638	19.23468	37.34569
842370.00	1.45911	1.80925	2.29529	2.56155	2.92536	5.73157	14.68388	11.26564	15.04596
842320.00	.87062	3.10935	7.45412	8.88489	9.94735	8.98721	4.93270	4.34496	5.31534
842270.00	.58865	4.11993	3.78920	4.23860	4.77470	7.60001	2.64582	3.79525	9.36552
842220.00	.58192	2.59282	3.29396	3.33008	3.19488	4.76666	4.01006	5.45052	6.99302
842170.00	.55788	1.30293	2.19056	2.81166	3.13818	3.63374	3.73713	5.49474	7.92297
842120.00	.37681	.90646	1.76106	1.90874	2.76130	2.80993	3.74888	5.06008	7.09758
842070.00	.32261	.64243	1.47783	1.82832	2.12328	2.82104	3.47150	4.62913	5.86374
842020.00	1.08308	1.31291	1.54472	1.58503	1.41823	1.60328	1.77552	2.25180	2.45248
841970.00	1.28449	1.51554	1.39467	1.55646	.80955	.78917	.78880	.95506	1.09457
841920.00	1.06840	.77931	.75202	.72098	.67896	.73963	.81631	.95742	1.06326
841870.00	.29078	.30091	.32911	.43723	.57241	.68772	.82434	.97067	1.03915
841820.00	.28821	.32990	.37573	.48519	.60013	.68819	.79138	.87315	.87283
841770.00	.29174	.34591	.43422	.51757	.60748	.68851	.77696	.78273	.74540

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 38

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	4.01966	3.35460	3.45040	2.83446	2.86076	2.93856	2.19855	1.88212	1.67469
842720.00	6.19608	4.74840	3.43141	3.39211	3.09170	2.79804	2.24389	1.92387	1.61717
842670.00	6.73257	4.85009	4.41276	3.85940	3.47047	2.83495	2.38750	1.80839	1.58807
842620.00	7.86214	6.34083	5.37536	4.68327	3.89621	3.01914	2.25843	1.77800	1.44343
842570.00	10.31932	6.58787	7.24558	6.26924	4.13929	2.96656	2.13898	1.68420	1.45694
842520.00	15.55556	11.28732	9.16870	6.81976	4.16765	2.86415	2.29386	1.67455	1.37249
842470.00	15.78789	13.39929	11.73093	6.72482	4.59339	3.19783	2.20231	1.65130	1.35440
842420.00	46.60884	21.85719	9.92576	6.74180	4.07476	2.85656	2.17950	1.68849	1.38056
842370.00	110.27480	13.36450	8.18595	6.38608	3.69359	2.58274	2.03554	1.58349	1.32148
842320.00	25.71152	20.89209	7.14007	4.36987	3.49271	2.43981	1.77563	1.44384	1.23464
842270.00	32.46299	7.54367	6.06814	2.59732	3.04184	2.74083	2.04109	1.68701	1.26356
842220.00	11.33719	8.03531	2.76096	1.96468	2.41821	2.12303	1.73447	1.44714	1.19065
842170.00	6.95095	2.45661	1.67960	1.42509	1.40469	1.09840	.88610	.53018	1.23137
842120.00	5.06342	2.02007	1.60669	1.44146	.90157	.78873	.52725	.52654	1.23327
842070.00	3.97537	1.74881	1.60012	1.33985	.79586	.38649	.45258	.45256	.80567
842020.00	2.07684	1.19723	.94907	.74889	.50802	.38077	.31397	.32395	.43008
841970.00	1.11305	.86183	.59504	.43947	.32902	.30754	.28477	.22670	.20360
841920.00	1.04949	.79738	.57236	.44263	.32116	.28749	.25949	.23711	.19381
841870.00	1.00335	.74695	.55331	.43513	.33749	.25730	.24705	.21955	.20132
841820.00	.88568	.70558	.55589	.45740	.36571	.25966	.23289	.21846	.20441
841770.00	.78958	.66911	.55561	.47522	.38317	.28022	.21518	.21288	.20121

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	1.77553	1.49740	1.07267
842720.00	1.84018	1.48069	.98620
842670.00	1.67697	1.31389	.96698
842620.00	1.23226	1.10630	.92440
842570.00	1.18961	1.00180	.83672
842520.00	1.11374	.94506	.80104
842470.00	1.12558	.94268	.81140
842420.00	1.17442	.95481	.83601
842370.00	1.10613	1.00532	.88089
842320.00	1.19240	.91805	.74459
842270.00	.90233	.99951	.70748
842220.00	1.24041	1.08964	.87217
842170.00	1.13761	1.04467	.76004
842120.00	1.22737	.99343	.80233
842070.00	1.10978	.89903	.44918
842020.00	.52354	.43379	.32382
841970.00	.19936	.18955	.17949
841920.00	.17204	.16886	.17334
841870.00	.17256	.14868	.14349
841820.00	.18863	.15987	.13486
841770.00	.19325	.17439	.14778

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
830944.00	842198.00	2.32376	830944.00	842198.00	2.97659
830955.00	842096.00	.84682	830955.00	842096.00	.95012
831175.00	842043.00	.13607	830787.00	842729.00	1.97887
830787.00	842729.00	2.31338	830787.00	842729.00	2.97460
830787.00	842729.00	3.85012	830787.00	842729.00	4.78257
830592.00	842499.00	1.67507	830856.00	842030.00	1.24993
830856.00	842030.00	1.32848	830794.00	841940.00	.92315
830794.00	841940.00	.96893	830733.00	842013.00	.97313
830733.00	842013.00	1.03208	830668.00	842399.00	2.05788
830611.00	842391.00	1.62426	830730.40	842441.00	5.10422
830761.30	842315.00	.86130	830788.00	842182.00	.91946
830980.00	842042.00	.55748	830980.00	842042.00	.61424
830999.00	842008.00	.47985	831342.00	842511.00	1.28890
831342.00	842511.00	1.27543	831342.00	842511.00	1.24524
831342.00	842511.00	1.18171	830780.00	842653.00	.50685
830780.00	842653.00	.60081			

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	28.24811 (7052608)	27.37253 (7082308)	27.49331 (7032618)	32.99979 (7072618)	36.32527 (7052408)
842720.0	24.63520 (7080508)	26.49291 (7053118)	27.31385 (7053108)	33.04271 (7032618)	41.88772 (7072618)
842670.0	22.51011 (7051718)	24.75938 (7061818)	27.57470 (7061218)	34.33935 (7053108)	44.29396 (7031609)
842620.0	24.69297 (7070408)	25.60171 (7121617)	27.40902 (7020217)	29.85385 (7010117)	33.12719 (7041118)
842570.0	28.21420 (7052206)	29.45966 (7052206)	27.94052 (7062818)	28.41269 (7071609)	31.44094 (7052909)
842520.0	25.92040 (7053018)	28.61103 (7091717)	29.15302 (7011509)	31.09238 (7052206)	34.68892 (7070309)
842470.0	27.36860 (7102217)	29.45679 (7091617)	31.44468 (7102917)	35.48890 (7061118)	39.95340 (7052918)
842420.0	31.51542 (7093017)	36.00455 (7093017)	40.57708 (7093017)	43.87037 (7091108)	46.95943 (7092817)
842370.0	36.27462 (7100408)	41.02870 (7100408)	47.51987 (7112217)	52.51817 (7082918)	55.49917 (7082918)
842320.0	31.63465 (7080408)	74.89835 (7062308)	83.67550 (7100108)	104.28080 (7120406)	128.87200 (7112823)
842270.0	25.62964 (7102908)	73.97550 (7033008)	114.85970 (7110307)	128.85980 (7110307)	132.15410 (7122518)
842220.0	28.27477 (7120517)	75.18644 (7071403)	141.39570 (7051905)	168.65840 (7102714)	141.08860 (7010805)
842170.0	30.76692 (7092708)	68.13190 (7022217)	134.51120 (7080221)	161.64050 (7060323)	187.32400 (7082221)
842120.0	29.29298 (7101717)	58.36584 (7070808)	111.05380 (7082907)	144.44150 (7061221)	173.48720 (7060219)
842070.0	28.78998 (7060108)	55.69484 (7080108)	87.93363 (7100720)	107.44040 (7071804)	129.25230 (7082506)
842020.0	75.37334 (7100720)	97.78018 (7081516)	120.78560 (7022507)	89.28150 (7100603)	71.33844 (7060408)
841970.0	140.91030 (7071804)	148.82400 (7013102)	137.58750 (7090221)	69.79832 (7062408)	43.05548 (7101308)
841920.0	69.81650 (7082506)	57.90062 (7112909)	54.35536 (7062408)	44.66747 (7060408)	32.72681 (7050308)
841870.0	30.57333 (7112909)	27.74885 (7062408)	25.32926 (7060408)	27.56391 (7060618)	28.88822 (7050308)
841820.0	28.61624 (7112909)	29.69186 (7062408)	28.65571 (7060208)	29.14951 (7050308)	32.13282 (7052908)
841770.0	29.96085 (7062408)	30.54858 (7060408)	31.15722 (7060618)	31.79393 (7050308)	33.86717 (7061208)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***
** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	43.78617 (7073108)	60.07212 (7032718)	72.62603 (7042208)	84.58720 (7111009)	102.25850 (7081608)
842720.0	45.64414 (7070118)	61.44003 (7070518)	80.12120 (7082618)	92.16492 (7090108)	120.81660 (7062406)
842670.0	47.14950 (7041408)	49.24860 (7032817)	69.34135 (7082618)	108.45780 (7070718)	175.70980 (7062502)
842620.0	65.60239 (7070618)	112.05130 (7041918)	150.84540 (7070518)	146.18190 (7061108)	190.53030 (7062502)
842570.0	89.42343 (7041118)	125.94370 (7021117)	190.02930 (7062303)	194.96930 (7080220)	208.83930 (7062502)
842520.0	70.97558 (7062018)	153.07410 (7052018)	148.13590 (7041408)	214.37110 (7020603)	221.42690 (7020105)
842470.0	51.07935 (7021714)	65.54800 (7090713)	137.95090 (7052211)	283.09840 (7021514)	284.61470 (7072518)
842420.0	70.24980 (7092520)	121.84200 (7080618)	136.83620 (7031709)	159.80850 (7021518)	333.67780 (7041712)
842370.0	101.78240 (7082918)	191.19360 (7072918)	132.06780 (7100218)	51.45018 (7080414)	37.96352 (7041813)
842320.0	133.23840 (7080908)	163.54830 (7081618)	131.57090 (7100115)	89.82130 (7010611)	232.56620 (7081820)
842270.0	141.83830 (7091413)	125.26010 (7012817)	137.49390 (7100111)	149.25290 (7110621)	257.67000 (7092307)
842220.0	245.07060 (7090320)	133.64330 (7101208)	160.99970 (7123117)	185.95180 (7101917)	147.12670 (7101412)
842170.0	226.01540 (7061221)	206.58840 (7012023)	201.92850 (7090221)	176.65010 (7052321)	94.20261 (7110312)
842120.0	191.66210 (7022507)	183.67080 (7061205)	167.53940 (7091515)	135.96530 (7073123)	85.91880 (7101008)
842070.0	142.31740 (7082504)	160.94850 (7081122)	141.56650 (7102305)	119.08380 (7060601)	81.29463 (7121917)
842020.0	63.66304 (7020609)	65.30133 (7040618)	62.53931 (7092017)	60.17370 (7100817)	46.92976 (7111509)
841970.0	30.41091 (7010517)	27.48319 (7030507)	27.53773 (7061211)	28.89762 (7011711)	30.15401 (7043017)
841920.0	30.94167 (7040618)	26.76797 (7112317)	29.81325 (7091917)	31.76796 (7090518)	31.64585 (7111509)
841870.0	30.89999 (7111917)	30.32358 (7040708)	32.98793 (7062208)	34.94826 (7042518)	33.99032 (7111509)
841820.0	32.15998 (7021909)	33.13508 (7050108)	33.70483 (7081508)	33.67542 (7061908)	32.57411 (7061018)
841770.0	33.70732 (7032208)	35.12585 (7090208)	32.58738 (7020209)	32.01213 (7061908)	32.22266 (7061018)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	102.22920 (7080208)	191.10660 (7071507)	99.79230 (7060405)	97.74323 (7011624)	171.10250 (7092220)
842720.0	141.40030 (7071421)	118.15420 (7091412)	110.82570 (7091412)	106.58280 (7060523)	101.52080 (7103022)
842670.0	135.60160 (7071520)	130.94140 (7091412)	123.98280 (7091412)	116.65540 (7091518)	108.73720 (7071306)
842620.0	163.26500 (7071520)	156.24040 (7091412)	145.91410 (7072120)	131.29800 (7091518)	117.15190 (7060507)
842570.0	242.14560 (7082123)	293.26450 (7042317)	177.27030 (7060405)	148.06080 (7072420)	125.81180 (7060806)
842520.0	307.76760 (7010907)	236.83580 (7091509)	214.76440 (7071022)	169.79580 (7072421)	144.31830 (7072424)
842470.0	178.98300 (7061315)	298.55110 (7091412)	269.46490 (7091518)	232.33450 (7071822)	199.64880 (7072319)
842420.0	330.92830 (7082113)	358.37130 (7071022)	336.31760 (7071307)	169.24620 (7071219)	133.65740 (7071219)
842370.0	151.19990 (7072213)	319.66050 (7081417)	414.66460 (7052621)	169.58690 (7071119)	129.66510 (7071119)
842320.0	211.33730 (7081111)	274.37060 (7071008)	315.88370 (7100605)	362.21430 (7090102)	133.31240 (7071119)
842270.0	246.15730 (7110706)	169.40920 (7012023)	125.31320 (7091817)	244.49360 (7041521)	277.76510 (7060501)
842220.0	123.65050 (7092217)	73.44994 (7060609)	78.20630 (7042408)	112.72880 (7011109)	174.82050 (7071806)
842170.0	52.09294 (7032717)	66.44888 (7041609)	70.80299 (7093008)	62.91790 (7071308)	63.41181 (7042408)
842120.0	53.43941 (7043010)	65.95434 (7122509)	78.23500 (7081818)	64.71067 (7093008)	43.54612 (7071608)
842070.0	48.37130 (7043010)	67.84973 (7042418)	91.41449 (7091908)	52.91945 (7011909)	33.56125 (7062217)
842020.0	38.07800 (7043010)	46.30559 (7121409)	46.68143 (7112209)	43.81624 (7081818)	34.74726 (7093008)
841970.0	30.63658 (7082611)	31.81326 (7112517)	30.62112 (7112209)	32.59644 (7091908)	30.90101 (7011909)
841920.0	30.82667 (7103008)	32.02468 (7121317)	31.34340 (7042418)	30.29968 (7091908)	34.29533 (7081818)
841870.0	32.71463 (7103008)	34.05611 (7101408)	34.08117 (7112817)	33.64555 (7112209)	33.45644 (7010109)
841820.0	33.62408 (7103008)	35.76596 (7050508)	36.47782 (7120509)	35.41762 (7012209)	30.89810 (7091908)
841770.0	33.72855 (7072408)	35.47806 (7050508)	38.63898 (7042508)	34.71870 (7042418)	31.24425 (7112209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	87.99929 (7010802)	81.23144 (7010802)	77.85027 (7010802)	134.43430 (7100809)	125.37540 (7072005)
842720.0	93.49174 (7020222)	85.71069 (7010802)	82.56792 (7010724)	144.11960 (7072005)	131.81870 (7062501)
842670.0	99.19312 (7030423)	90.19810 (7010722)	87.30932 (7010722)	153.81240 (7072323)	142.44790 (7082124)
842620.0	104.69510 (7051820)	93.45206 (7011919)	88.47899 (7010821)	83.77180 (7010821)	75.28989 (7010821)
842570.0	109.84460 (7033101)	96.10023 (7020823)	88.86079 (7011004)	82.39555 (7010821)	73.46059 (7020406)
842520.0	122.67300 (7090605)	104.94590 (7011706)	93.41122 (7020323)	83.59251 (7020406)	74.42513 (7020406)
842470.0	134.91060 (7020905)	113.09310 (7020422)	97.12103 (7020408)	83.92365 (7020405)	74.71287 (7020405)
842420.0	137.97310 (7020404)	117.94540 (7122423)	102.76200 (7110407)	90.29885 (7011901)	80.87393 (7012205)
842370.0	124.72670 (7011901)	120.78250 (7012205)	107.04510 (7012821)	95.73459 (7012821)	86.33450 (7012821)
842320.0	129.88790 (7012008)	125.39530 (7012008)	112.27240 (7012008)	130.89930 (7062523)	89.39859 (7013007)
842270.0	220.88620 (7060501)	177.26330 (7060501)	148.39700 (7041524)	72.67387 (7102208)	164.59470 (7060501)
842220.0	146.14630 (7043021)	122.71740 (7061411)	134.28880 (7101620)	160.87790 (7101620)	173.13690 (7071119)
842170.0	58.45918 (7091817)	44.77821 (7071308)	114.88400 (7081919)	175.21660 (7071806)	173.54240 (7101619)
842120.0	39.53579 (7100808)	44.43400 (7060218)	98.46340 (7082003)	184.66570 (7081920)	136.42750 (7060124)
842070.0	36.77835 (7071608)	41.19601 (7051908)	73.56808 (7060218)	135.89510 (7062503)	83.21964 (7082003)
842020.0	34.28225 (7062218)	37.01773 (7100808)	45.18401 (7051908)	59.20514 (7051908)	50.20609 (7090418)
841970.0	30.89155 (7093008)	31.92236 (7062218)	31.13598 (7100808)	28.32851 (7051908)	30.95957 (7051908)
841920.0	32.52654 (7011909)	31.47739 (7021409)	32.38601 (7062218)	31.45045 (7100808)	28.72738 (7100808)
841870.0	33.06182 (7100508)	32.49199 (7051308)	31.77201 (7021409)	32.23914 (7062218)	30.79310 (7100808)
841820.0	32.47330 (7081818)	31.18078 (7120109)	32.22025 (7051308)	32.25309 (7021409)	31.96838 (7062218)
841770.0	33.54434 (7010109)	33.16914 (7100508)	31.11563 (7051308)	30.34864 (7051308)	31.48368 (7011209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00

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 842770.0 |     63.20556 ( 7010722)
 842720.0 |     66.27599 ( 7010821)
 842670.0 |     69.24738 ( 7010821)
 842620.0 |     67.78193 ( 7010821)
 842570.0 |     65.67023 ( 7020406)
 842520.0 |     66.51833 ( 7020406)
 842470.0 |     66.83771 ( 7020405)
 842420.0 |     72.83511 ( 7012205)
 842370.0 |     78.30367 ( 7012821)
 842320.0 |     79.25645 ( 7013007)
 842270.0 |     79.47203 ( 7013007)
 842220.0 |    158.63940 ( 7073104)
 842170.0 |    129.70720 ( 7043021)
 842120.0 |     83.64072 ( 7051906)
 842070.0 |     57.47472 ( 7043018)
 842020.0 |     42.56507 ( 7071308)
 841970.0 |     31.06652 ( 7090418)
 841920.0 |     30.75984 ( 7051908)
 841870.0 |     28.51083 ( 7100808)
 841820.0 |     30.38484 ( 7100808)
 841770.0 |     31.02364 ( 7062218)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  46
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART2    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      830450.00            830500.00            830550.00            830600.00            830650.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     28.86797 ( 7052608)     28.01356 ( 7082308)     28.43028 ( 7032618)     33.88183 ( 7092808)     37.95832 ( 7052408)
 842720.0 |     25.47559 ( 7080508)     27.25931 ( 7053118)     28.30577 ( 7053108)     34.49774 ( 7032618)     43.06325 ( 7072618)
 842670.0 |     23.23724 ( 7051718)     25.63668 ( 7061818)     28.50509 ( 7061218)     35.93618 ( 7053108)     45.96048 ( 7031609)
 842620.0 |     25.51672 ( 7070408)     26.63579 ( 7121617)     28.58384 ( 7020217)     31.18748 ( 7061218)     35.30921 ( 7041118)
 842570.0 |     28.86790 ( 7052206)     30.41505 ( 7052206)     29.35375 ( 7062818)     28.39113 ( 7071609)     31.46849 ( 7052909)
 842520.0 |     26.57402 ( 7053018)     29.71530 ( 7091717)     30.75178 ( 7011509)     33.18071 ( 7052206)     34.74024 ( 7070309)
 842470.0 |     28.32154 ( 7102217)     30.68040 ( 7091617)     33.16985 ( 7103017)     38.07938 ( 7061118)     43.97328 ( 7052918)
 842420.0 |     32.37269 ( 7093017)     37.34838 ( 7093017)     42.72445 ( 7093017)     46.67651 ( 7091108)     51.07550 ( 7092817)
 842370.0 |     37.14983 ( 7082408)     42.22504 ( 7100408)     48.48419 ( 7100408)     54.02908 ( 7082918)     59.53317 ( 7082918)
 842320.0 |     32.69287 ( 7080408)     76.21300 ( 7062308)     85.27498 ( 7120406)    113.31020 ( 7120406)    138.59470 ( 7112823)
 842270.0 |     26.69946 ( 7102908)     75.01477 ( 7033008)    115.55250 ( 7110307)    131.69590 ( 7110307)    137.97290 ( 7122518)
 842220.0 |     29.04671 ( 7120517)     75.99210 ( 7071403)    134.22990 ( 7051905)    159.48300 ( 7102714)    146.52840 ( 7010805)
 842170.0 |     31.58908 ( 7092708)     68.65012 ( 7022217)    128.19850 ( 7080221)    153.02020 ( 7060323)    177.02730 ( 7082221)
 842120.0 |     29.77945 ( 7101717)     59.06182 ( 7070808)    107.78360 ( 7082907)    137.70070 ( 7061221)    164.21760 ( 7060219)
 842070.0 |     29.65571 ( 7060108)     56.33218 ( 7080108)     87.76234 ( 7012023)    105.77570 ( 7071804)    126.24380 ( 7082506)
 842020.0 |     77.72005 ( 7100720)     99.44347 ( 7081516)    120.89340 ( 7022507)     93.16311 ( 7100603)     72.21591 ( 7060408)
 841970.0 |    136.29320 ( 7071804)    144.43690 ( 7013102)    135.52660 ( 7090221)     69.91769 ( 7062408)     43.47694 ( 7101308)
 841920.0 |     71.40294 ( 7082506)     57.81914 ( 7112909)     54.56016 ( 7062408)     45.31490 ( 7060408)     33.76059 ( 7050308)
 841870.0 |     30.94223 ( 7112909)     28.23555 ( 7062408)     25.96576 ( 7060408)     28.29892 ( 7060618)     29.68516 ( 7050308)
 841820.0 |     28.86189 ( 7112909)     30.04626 ( 7062408)     29.12977 ( 7060208)     29.71241 ( 7050308)     32.76215 ( 7052908)
 841770.0 |     30.18748 ( 7062408)     30.82802 ( 7060408)     31.48593 ( 7060618)     32.16481 ( 7050308)     34.32452 ( 7061208)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  47
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART2    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      830700.00            830750.00            830800.00            830850.00            830900.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     45.58973 ( 7073108)     62.33554 ( 7032718)     74.62218 ( 7042208)     86.90421 ( 7111009)    103.73230 ( 7081608)
 842720.0 |     46.13148 ( 7070118)     63.29464 ( 7070518)     81.03231 ( 7082618)     95.92511 ( 7090108)    129.12500 ( 7062502)
 842670.0 |     49.02320 ( 7041408)     50.06140 ( 7032817)     71.44457 ( 7082618)    107.03810 ( 7070718)    180.77940 ( 7062502)
 842620.0 |     67.57362 ( 7031609)    109.42330 ( 7041918)    152.21970 ( 7070518)    164.07480 ( 7070624)    200.01930 ( 7053120)
 842570.0 |     91.01825 ( 7041118)    127.35440 ( 7021117)    214.37900 ( 7062303)    206.83700 ( 7080220)    237.77970 ( 7072407)
 842520.0 |     74.21709 ( 7062018)    151.87750 ( 7052018)    161.20260 ( 7041408)    259.38360 ( 7020603)    271.66210 ( 7020105)
 842470.0 |     54.96535 ( 7042618)     73.36313 ( 7062718)    154.97000 ( 7051001)    276.92950 ( 7022621)    353.82690 ( 7062618)
 842420.0 |     76.15070 ( 7102117)    131.45730 ( 7101114)    168.56620 ( 7051418)    262.62270 ( 7050722)    973.17140 ( 7081103)
 842370.0 |    107.25470 ( 7082918)    194.84750 ( 7121117)    162.43240 ( 7081705)     72.09395 ( 7081012)    855.47000 ( 7020107)
 842320.0 |    139.29640 ( 7102408)    166.39170 ( 7081618)    164.98360 ( 7100124)    146.85240 ( 7020109)    385.42870 ( 7100912)
 842270.0 |    147.24910 ( 7091413)    123.91430 ( 7012817)    148.65800 ( 7101208)    170.97740 ( 7092013)    400.40640 ( 7092603)
 842220.0 |    230.31310 ( 7090320)    140.49680 ( 7060323)    160.95520 ( 7123117)    184.84920 ( 7112317)    155.50160 ( 7092108)
 842170.0 |    212.74170 ( 7061221)    204.47020 ( 7012023)    211.30940 ( 7090221)    201.65980 ( 7052321)    100.99070 ( 7092108)
 842120.0 |    182.68430 ( 7022507)    180.72400 ( 7061205)    173.24840 ( 7091515)    151.76960 ( 7073123)     87.96352 ( 7101008)
 842070.0 |    139.10250 ( 7082504)    157.74310 ( 7081122)    145.33600 ( 7102305)    133.92020 ( 7060601)     85.24944 ( 7111509)
 842020.0 |     65.29699 ( 7020609)     66.62093 ( 7040618)     62.95831 ( 7092017)     61.69287 ( 7100817)     50.15962 ( 7111509)
 841970.0 |     30.69863 ( 7010517)     28.56768 ( 7030507)     27.49103 ( 7061211)     28.85790 ( 7011711)     30.11607 ( 7043017)
 841920.0 |     31.88355 ( 7040618)     27.46375 ( 7041818)     30.72962 ( 7091917)     33.09982 ( 7090518)     33.24650 ( 7111509)
 841870.0 |     31.61660 ( 7111917)     31.40800 ( 7040708)     34.14389 ( 7062208)     36.32768 ( 7042518)     35.08216 ( 7111509)
 841820.0 |     32.88416 ( 7021909)     33.97232 ( 7050108)     34.63145 ( 7081508)     34.73312 ( 7061908)     33.68890 ( 7061018)
 841770.0 |     34.21786 ( 7032208)     35.73536 ( 7090208)     33.28932 ( 7020209)     32.81806 ( 7061908)     33.06628 ( 7061018)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  48
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART2    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      830950.00            831000.00            831050.00            831100.00            831150.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |    103.51980 ( 7080208)    185.88700 ( 7071507)     98.84870 ( 7010908)     96.57481 ( 7010908)    165.90160 ( 7092220)
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 842720.0 |    143.13900 ( 7071421)    118.49080 ( 7010907)    110.76270 ( 7010908)    106.10210 ( 7010824)    100.62980 ( 7010802)
 842670.0 |    138.22640 ( 7032704)    133.08100 ( 7021403)    125.39200 ( 7012422)    117.27710 ( 7010824)    108.62310 ( 7010802)
 842620.0 |    169.71480 ( 7060220)    161.69240 ( 7120212)    149.91010 ( 7030422)    133.68190 ( 7122806)    118.17030 ( 7010802)
 842570.0 |    247.71290 ( 7082123)    290.51180 ( 7042317)    181.46640 ( 7070804)    153.09020 ( 7030423)    128.37860 ( 7030822)
 842520.0 |    326.92190 ( 7010907)    252.35540 ( 7090106)    215.54540 ( 7071306)    178.72950 ( 7111602)    149.28310 ( 7020221)
 842470.0 |    241.02000 ( 7073118)    279.40490 ( 7091412)    252.69990 ( 7091518)    218.51350 ( 7071822)    188.32900 ( 7072319)
 842420.0 |    481.57290 ( 7071918)    341.19160 ( 7071022)    314.34100 ( 7071307)    177.76850 ( 7071219)    137.61150 ( 7071219)
 842370.0 |    238.80040 ( 7072213)    339.47880 ( 7081417)    386.38500 ( 7052621)    178.36040 ( 7071119)    133.57890 ( 7071119)
 842320.0 |    351.44650 ( 7081111)    306.48350 ( 7070919)    329.35690 ( 7100605)    338.22550 ( 7090102)    137.02090 ( 7071119)
 842270.0 |    242.99390 ( 7110706)    227.18570 ( 7110809)    127.74200 ( 7091817)    249.55590 ( 7041521)    260.40190 ( 7060501)
 842220.0 |    149.85650 ( 7092217)     84.17386 ( 7100808)     88.31494 ( 7042408)    130.36840 ( 7090323)    175.64570 ( 7071806)
 842170.0 |     55.51463 ( 7032717)     68.14969 ( 7041609)     77.08008 ( 7093008)     64.94433 ( 7071308)     66.13447 ( 7062503)
 842120.0 |     54.19816 ( 7043010)     71.51262 ( 7122509)     83.71748 ( 7081818)     67.09747 ( 7093008)     47.02240 ( 7071608)
 842070.0 |     51.80781 ( 7120309)     74.69617 ( 7042418)     93.91472 ( 7091908)     55.91992 ( 7011909)     33.48298 ( 7062217)
 842020.0 |     39.45575 ( 7122317)     49.84866 ( 7121409)     49.95534 ( 7112209)     46.29321 ( 7081818)     36.17253 ( 7093008)
 841970.0 |     30.85475 ( 7122317)     33.87386 ( 7112517)     33.06805 ( 7112209)     34.26733 ( 7091908)     32.30795 ( 7011909)
 841920.0 |     32.70052 ( 7103008)     33.39817 ( 7121317)     33.24163 ( 7042418)     31.38995 ( 7091908)     35.44302 ( 7081818)
 841870.0 |     34.09377 ( 7103008)     35.42397 ( 7101408)     35.46505 ( 7112817)     34.86255 ( 7112209)     34.59345 ( 7010109)
 841820.0 |     34.62030 ( 7103008)     36.83504 ( 7050508)     37.56429 ( 7120509)     36.40781 ( 7012209)     31.37316 ( 7091908)
 841770.0 |     34.56688 ( 7072408)     36.21360 ( 7050508)     39.40706 ( 7042508)     35.40646 ( 7042418)     31.78708 ( 7112209)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  49
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART2    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      831200.00            831250.00            831300.00            831350.00            831400.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     86.42908 ( 7010802)     79.55000 ( 7010802)     76.06842 ( 7010802)    130.45840 ( 7100809)    121.49590 ( 7072005)
 842720.0 |     92.25992 ( 7010802)     84.23547 ( 7010802)     80.89319 ( 7010724)    139.80910 ( 7072005)    127.65950 ( 7062501)
 842670.0 |     98.47105 ( 7010802)     89.03821 ( 7010823)     85.81702 ( 7010722)    149.17320 ( 7072323)    137.75280 ( 7082124)
 842620.0 |    104.68500 ( 7010823)     92.72649 ( 7010722)     87.27132 ( 7010821)     82.24229 ( 7010821)     73.62427 ( 7010821)
 842570.0 |    110.75630 ( 7020221)     95.91229 ( 7010821)     87.98824 ( 7010821)     81.08636 ( 7010821)     71.93721 ( 7020406)
 842520.0 |    124.91380 ( 7010821)    105.46260 ( 7010821)     92.91187 ( 7011004)     82.49467 ( 7020406)     73.01233 ( 7020406)
 842470.0 |    138.75160 ( 7122521)    114.42550 ( 7020406)     97.02544 ( 7020406)     83.03696 ( 7020405)     73.41446 ( 7020405)
 842420.0 |    143.16810 ( 7020404)    120.04040 ( 7122423)    103.06940 ( 7110407)     89.59792 ( 7011901)     79.63149 ( 7012205)
 842370.0 |    130.34160 ( 7011901)    123.47670 ( 7012205)    107.68470 ( 7012821)     95.19077 ( 7012821)     85.13763 ( 7012821)
 842320.0 |    136.41890 ( 7012008)    128.51600 ( 7012008)    113.12900 ( 7012008)    124.47350 ( 7062523)     88.22324 ( 7013007)
 842270.0 |    208.01830 ( 7060501)    167.66220 ( 7060501)    141.21770 ( 7041524)     73.37003 ( 7102208)    158.91070 ( 7060501)
 842220.0 |    146.04530 ( 7043021)    122.09840 ( 7061411)    129.58360 ( 7101620)    157.21250 ( 7101620)    167.22450 ( 7071119)
 842170.0 |     59.23722 ( 7090418)     47.21738 ( 7071308)    116.73630 ( 7081919)    169.22910 ( 7071806)    167.81010 ( 7101619)
 842120.0 |     41.92722 ( 7100808)     46.39946 ( 7060218)    103.14770 ( 7082003)    178.61890 ( 7081920)    134.47130 ( 7060124)
 842070.0 |     38.90914 ( 7071608)     42.39809 ( 7051908)     73.69456 ( 7060218)    134.66840 ( 7062503)     85.61286 ( 7082003)
 842020.0 |     35.86110 ( 7062218)     38.23757 ( 7100808)     45.72289 ( 7051908)     59.43900 ( 7051908)     50.48621 ( 7090418)
 841970.0 |     31.96621 ( 7040808)     33.03472 ( 7062218)     32.00266 ( 7100808)     28.93959 ( 7100808)     31.53874 ( 7051908)
 841920.0 |     33.45713 ( 7011909)     32.37669 ( 7021409)     33.14610 ( 7062218)     32.02328 ( 7100808)     29.20654 ( 7100808)
 841870.0 |     34.02324 ( 7100508)     33.28033 ( 7051308)     32.40173 ( 7021409)     32.74611 ( 7062218)     31.16832 ( 7100808)
 841820.0 |     32.97779 ( 7081818)     31.80786 ( 7120109)     32.73523 ( 7051308)     32.66358 ( 7021409)     32.29153 ( 7062218)
 841770.0 |     34.12283 ( 7010109)     33.65626 ( 7100508)     31.46976 ( 7051308)     30.65886 ( 7051308)     31.73509 ( 7011209)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  50
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART2    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      831450.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     61.46790 ( 7010722)
 842720.0 |     64.50766 ( 7010821)
 842670.0 |     67.46925 ( 7010821)
 842620.0 |     66.08708 ( 7010821)
 842570.0 |     64.07314 ( 7020406)
 842520.0 |     64.97351 ( 7020406)
 842470.0 |     65.35127 ( 7020405)
 842420.0 |     71.32767 ( 7012205)
 842370.0 |     76.77441 ( 7012821)
 842320.0 |     77.73737 ( 7013007)
 842270.0 |     77.94264 ( 7013007)
 842220.0 |    153.17760 ( 7073104)
 842170.0 |    127.65090 ( 7043021)
 842120.0 |     85.46680 ( 7051906)
 842070.0 |     57.41010 ( 7043018)
 842020.0 |     42.81913 ( 7071308)
 841970.0 |     31.50366 ( 7090418)
 841920.0 |     31.12911 ( 7051908)
 841870.0 |     28.82916 ( 7100808)
 841820.0 |     30.61670 ( 7100808)
 841770.0 |     31.22239 ( 7062218)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        09:45:55
                                                                                                                      PAGE  51
**MODELOPTs: CONC                           RURAL  ELEV   FLGPOL        GRDRIS               NOCALM MSGPRO

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                   *** NETWORK ID: CART3    ;  NETWORK TYPE: GRIDCART ***

                                       ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                             X-COORD (METERS)
 (METERS) |      830450.00            830500.00            830550.00            830600.00            830650.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     33.99231 ( 7030409)     35.54151 ( 7052508)     36.59794 ( 7060908)     43.71431 ( 7092808)     51.13499 ( 7052408)
 842720.0 |     32.42123 ( 7080508)     34.46342 ( 7052608)     37.51871 ( 7052508)     45.85648 ( 7032618)     55.96970 ( 7092808)
 842670.0 |     29.71748 ( 7081718)     33.61380 ( 7062008)     37.99246 ( 7073008)     48.49641 ( 7041318)     61.93570 ( 7032618)
 842620.0 |     32.46577 ( 7090718)     35.24782 ( 7060608)     40.15469 ( 7051718)     44.96917 ( 7080508)     55.58624 ( 7053108)
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842570.0 |	35.81750 (7021709)	38.16961 (7060718)	42.99533 (7070408)	45.25090 (7062918)	48.84708 (7061818)
842520.0 |	35.72102 (7061418)	40.16013 (7122817)	45.61629 (7021817)	51.61797 (7113017)	61.61812 (7070408)
842470.0 |	36.87725 (7072208)	42.74601 (7072208)	48.75040 (7122017)	59.72868 (7082218)	76.94679 (7032418)
842420.0 |	41.85995 (7101217)	48.43657 (7010309)	58.07293 (7062118)	71.62946 (7062118)	88.65732 (7082808)
842370.0 |	47.21930 (7031818)	55.67226 (7031818)	67.03413 (7031818)	75.47152 (7031818)	84.91438 (7031818)
842320.0 |	40.58681 (7080408)	128.86640 (7102205)	152.62970 (7110307)	166.29630 (7120820)	182.66560 (7040823)
842270.0 |	35.71682 (7101017)	139.76180 (7120524)	97.63869 (7110307)	114.76960 (7110307)	124.64480 (7122518)
842220.0 |	36.42763 (7112017)	134.98210 (7012524)	133.02440 (7111106)	142.97080 (7040702)	131.23350 (7010805)
842170.0 |	38.35787 (7082208)	113.62390 (7040702)	140.62940 (7120708)	151.31030 (7022507)	164.00910 (7013103)
842120.0 |	37.98213 (7081207)	95.75081 (7110501)	137.84290 (7013108)	146.63090 (7013104)	154.79830 (7112307)
842070.0 |	36.67105 (7060108)	82.76038 (7121606)	131.27030 (7013107)	138.51110 (7112307)	146.02720 (7040621)
842020.0 |	111.85350 (7013105)	117.08860 (7013107)	124.36040 (7112307)	129.62690 (7031120)	125.48960 (7111207)
841970.0 |	119.62670 (7032802)	128.49890 (7112307)	117.00640 (7031120)	123.56850 (7120224)	51.89717 (7072708)
841920.0 |	101.71840 (7112307)	100.98500 (7091505)	81.42666 (7120322)	51.23534 (7040411)	42.05128 (7050308)
841870.0 |	33.91047 (7112909)	32.20218 (7062408)	31.23214 (7060408)	34.33279 (7060618)	36.17254 (7050308)
841820.0 |	30.82365 (7112909)	32.90546 (7062408)	33.00132 (7060208)	34.30905 (7050308)	37.84946 (7052908)
841770.0 |	32.00491 (7062408)	33.07508 (7060408)	34.12723 (7060618)	35.13779 (7050308)	37.99248 (7061208)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0 |	59.70029 (7073108)	79.39722 (7032718)	94.40369 (7020208)	127.50730 (7012523)	175.79660 (7113007)
842720.0 |	67.11481 (7052408)	79.28339 (7073108)	100.68550 (7080308)	143.10360 (7010801)	202.86700 (7120306)
842670.0 |	69.14457 (7052708)	71.29202 (7073108)	108.82800 (7110308)	164.56480 (7052707)	209.81810 (7082319)
842620.0 |	89.32384 (7032618)	174.42640 (7121023)	224.56580 (7012902)	316.04530 (7020103)	256.62000 (7053120)
842570.0 |	116.08330 (7052608)	233.43820 (7091420)	283.77880 (7062303)	193.14340 (7012905)	324.32640 (7072407)
842520.0 |	114.79310 (7051718)	214.85520 (7112220)	303.94100 (7060620)	412.17900 (7080123)	449.68710 (7061119)
842470.0 |	107.39550 (7102817)	158.58930 (7081018)	274.36920 (7053118)	556.65210 (7021208)	732.71050 (7042622)
842420.0 |	136.80430 (7070708)	224.21110 (7021717)	404.98020 (7090924)	997.20760 (7070323)	1854.30700 (7010121)
842370.0 |	138.33840 (7031818)	281.16110 (7120813)	395.42920 (7120813)	772.59610 (7102012)	5489.39200 (7031823)
842320.0 |	204.48040 (7121620)	214.01600 (7102411)	319.81660 (7101717)	524.40050 (7012718)	1341.84300 (7091915)
842270.0 |	202.95200 (7073120)	170.30390 (7060108)	239.28000 (7091517)	375.86780 (7091806)	1657.19200 (7090320)
842220.0 |	184.16100 (7041802)	205.93070 (7122315)	252.52840 (7061703)	358.88620 (7080104)	524.09700 (7050602)
842170.0 |	175.27530 (7120907)	186.81980 (7101707)	212.93340 (7013103)	281.67200 (7120322)	244.28490 (7071103)
842120.0 |	163.40390 (7120223)	170.31170 (7012822)	184.26700 (7030723)	207.04520 (7073123)	164.18300 (7091821)
842070.0 |	153.66090 (7040411)	160.35710 (7010920)	164.91190 (7120724)	212.68970 (7011107)	123.24010 (7071202)
842020.0 |	109.41500 (7012202)	89.48080 (7120723)	82.11699 (7073123)	78.87701 (7071103)	75.47516 (7083108)
841970.0 |	43.36896 (7041108)	37.70361 (7111917)	39.06388 (7111909)	42.54954 (7090518)	47.49219 (7040508)
841920.0 |	41.08152 (7052908)	38.24912 (7032208)	42.25727 (7062208)	45.15647 (7010209)	46.46084 (7040508)
841870.0 |	38.73826 (7061208)	40.25297 (7040708)	43.77353 (7081508)	47.49258 (7042518)	45.77555 (7061018)
841820.0 |	38.75119 (7021909)	40.75863 (7050108)	42.13301 (7081508)	43.35493 (7061908)	42.82324 (7061018)
841770.0 |	38.31645 (7032208)	40.63933 (7090208)	39.00617 (7020209)	39.42847 (7061908)	39.99593 (7061018)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0 |	160.63020 (7010907)	149.93290 (7020303)	80.74110 (7010908)	78.39897 (7010908)	133.75360 (7122806)
842720.0 |	164.28960 (7020304)	99.65769 (7010907)	92.40847 (7010908)	87.70143 (7010824)	82.32722 (7010802)
842670.0 |	120.32510 (7010907)	115.13340 (7010908)	107.36800 (7010908)	99.11336 (7010824)	90.48904 (7010802)
842620.0 |	153.23410 (7010907)	144.80500 (7010908)	132.41970 (7010824)	115.99230 (7010802)	100.53910 (7010802)
842570.0 |	228.85390 (7013001)	215.98160 (7121106)	177.96230 (7123103)	136.69690 (7010802)	111.74730 (7010823)
842520.0 |	317.26630 (7041618)	245.83190 (7120407)	203.84970 (7123103)	164.31100 (7120605)	133.20350 (7020221)
842470.0 |	613.41600 (7071619)	351.75910 (7072218)	223.53950 (7070919)	184.13060 (7012124)	167.86970 (7031024)
842420.0 |	1195.98500 (7040121)	468.40770 (7060808)	250.51410 (7090321)	163.70820 (7020405)	122.29090 (7020404)
842370.0 |	1623.64000 (7081407)	434.56290 (7100616)	271.52510 (7110503)	164.66390 (7013007)	118.83550 (7013007)
842320.0 |	1271.57400 (7071221)	594.70790 (7110502)	301.93960 (7020408)	188.57740 (7120808)	121.44210 (7013007)
842270.0 |	465.31300 (7110411)	694.01840 (7071119)	295.42140 (7090503)	218.60040 (7041521)	180.57940 (7041501)
842220.0 |	551.06340 (7012207)	328.21710 (7062603)	234.43110 (7062503)	208.45200 (7090323)	176.06340 (7030820)
842170.0 |	149.10290 (7101408)	134.68200 (7100508)	161.51380 (7051621)	145.75830 (7043024)	132.06790 (7081501)
842120.0 |	114.66970 (7062708)	142.03580 (7112209)	132.74260 (7090703)	103.16660 (7032801)	79.49709 (7071704)
842070.0 |	98.69305 (7062708)	124.66860 (7042418)	122.10780 (7100523)	77.16182 (7051308)	52.65271 (7021409)
842020.0 |	69.91310 (7120717)	81.58878 (7120509)	74.99598 (7112209)	65.80813 (7100508)	51.55556 (7051308)
841970.0 |	52.06160 (7120717)	55.36850 (7120617)	53.16705 (7112209)	50.42215 (7010109)	46.56783 (7120109)
841920.0 |	48.94514 (7120809)	48.91850 (7120617)	48.91528 (7042418)	39.85077 (7091908)	44.88534 (7100508)
841870.0 |	45.90739 (7120809)	47.38729 (7111109)	47.57609 (7101108)	44.74405 (7112209)	43.91598 (7101109)
841820.0 |	43.71622 (7011309)	45.82865 (7111109)	46.42316 (7120509)	44.50283 (7012209)	36.90852 (7010109)
841770.0 |	41.54015 (7011309)	42.71098 (7111109)	45.61503 (7042508)	41.00225 (7042418)	36.18270 (7112209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0 |	69.13068 (7010802)	63.16949 (7010802)	60.09276 (7010802)	120.26950 (7100607)	104.22500 (7020221)
842720.0 |	74.65508 (7010802)	67.47080 (7010802)	64.30885 (7010724)	127.65560 (7020823)	110.64560 (7011002)
842670.0 |	80.82703 (7010802)	72.08725 (7010823)	68.76768 (7010722)	134.56620 (7110502)	113.80270 (7101721)
842620.0 |	87.34792 (7010823)	75.98843 (7010722)	70.51698 (7010821)	65.70772 (7010821)	58.25848 (7010821)
842570.0 |	94.04834 (7020221)	79.63269 (7010821)	71.73595 (7010821)	65.14513 (7010821)	57.09647 (7020406)
842520.0 |	108.20660 (7010821)	88.88750 (7010821)	76.54162 (7011004)	66.71463 (7020406)	58.19610 (7020406)
842470.0 |	122.40640 (7122521)	97.79831 (7020406)	80.70528 (7020406)	67.55192 (7020405)	58.74149 (7020405)

842420.0 |	128.14760 (7020404)	103.73080 (7122423)	86.46426 (7110407)	73.38626 (7011901)	64.05500 (7012205)
842370.0 |	117.77880 (7011901)	107.53050 (7012205)	90.89050 (7012821)	78.35452 (7012821)	68.75513 (7012821)
842320.0 |	124.15380 (7012008)	112.39160 (7012008)	95.80530 (7012008)	88.06198 (7012821)	71.38313 (7013007)
842270.0 |	168.34120 (7011108)	156.33480 (7120808)	145.14040 (7112407)	133.09880 (7082023)	136.11780 (7013008)
842220.0 |	163.41950 (7040507)	149.02160 (7122405)	139.70610 (7120807)	138.11860 (7112406)	141.16970 (7120808)
842170.0 |	91.22840 (7011703)	65.86465 (7071308)	134.89230 (7040507)	132.68150 (7041501)	137.36070 (7120807)
842120.0 |	68.99346 (7071603)	61.44681 (7060218)	132.43910 (7030820)	144.83600 (7120321)	115.97930 (7040622)
842070.0 |	55.80998 (7071608)	53.48949 (7100808)	125.07220 (7122422)	117.66860 (7122201)	109.52190 (7011908)
842020.0 |	49.09461 (7011209)	48.00320 (7071608)	52.63681 (7010408)	82.43198 (7122422)	60.60564 (7041305)
841970.0 |	42.35835 (7051308)	42.02647 (7062218)	39.01102 (7100808)	34.78348 (7100808)	36.25043 (7051908)
841920.0 |	41.73402 (7051308)	39.67732 (7021409)	39.32030 (7062218)	36.66168 (7100808)	33.12569 (7100808)
841870.0 |	41.89493 (7100508)	39.72711 (7051308)	37.54629 (7021409)	36.87328 (7062218)	34.21075 (7100808)
841820.0 |	37.45307 (7100508)	36.96639 (7120109)	36.94781 (7051308)	36.01012 (7021409)	34.91487 (7062218)
841770.0 |	38.86360 (7010109)	37.63729 (7100508)	34.34123 (7051308)	33.18726 (7051308)	33.77269 (7011209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 831450.00
842770.0 |	48.14219 (7010722)
842720.0 |	50.56875 (7010821)
842670.0 |	52.98177 (7010821)
842620.0 |	51.94160 (7010821)
842570.0 |	50.41183 (7020406)
842520.0 |	51.24884 (7020406)
842470.0 |	51.66584 (7020405)
842420.0 |	56.63235 (7012205)
842370.0 |	61.15749 (7012821)
842320.0 |	61.98757 (7013007)
842270.0 |	62.14912 (7013007)
842220.0 |	116.65140 (7051906)
842170.0 |	110.00050 (7011108)
842120.0 |	108.92640 (7122405)
842070.0 |	91.46475 (7121924)
842020.0 |	45.58693 (7030820)
841970.0 |	35.04503 (7090418)
841920.0 |	34.12609 (7051908)
841870.0 |	31.43236 (7100808)
841820.0 |	32.48531 (7100808)
841770.0 |	32.82541 (7062218)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
830944.00	842198.00	143.27900 (7103117)	830944.00	842198.00	161.57580 (7103117)
830955.00	842096.00	55.68023 (7120309)	830955.00	842096.00	61.12968 (7120309)
831175.00	842043.00	26.55066 (7062217)	830787.00	842729.00	116.52810 (7062811)
830787.00	842729.00	118.20180 (7062811)	830787.00	842729.00	121.16680 (7062811)
830787.00	842729.00	148.25680 (7020603)	830787.00	842729.00	212.79330 (7020603)
830592.00	842499.00	37.64877 (7091417)	830856.00	842030.00	47.06656 (7100817)
830856.00	842030.00	49.41607 (7100817)	830794.00	841940.00	44.68319 (7111909)
830794.00	841940.00	45.62577 (7111909)	830733.00	842013.00	55.39280 (7052908)
830733.00	842013.00	57.50743 (7052908)	830668.00	842399.00	53.89413 (7102717)
830611.00	842391.00	53.28346 (7082418)	830730.40	842441.00	119.56290 (7092917)
830761.30	842315.00	54.89715 (7080911)	830788.00	842182.00	57.76448 (7100812)
830980.00	842042.00	51.56614 (7112517)	830980.00	842042.00	55.36040 (7112517)
830999.00	842008.00	53.07363 (7121409)	831342.00	842511.00	76.35841 (7020406)
831342.00	842511.00	75.40292 (7020406)	831342.00	842511.00	73.26968 (7020406)
831342.00	842511.00	68.69897 (7020406)	830780.00	842653.00	93.80746 (7070518)
830780.00	842653.00	96.81683 (7070518)			

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD | (METERS) |	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0 |	6.65021 (7031224)	6.31152 (7031224)	4.58237 (7031224)	3.40561 (7031224)	2.83277 (7070524)
842720.0 |	5.82819 (7031224)	7.30440 (7031224)	7.37744 (7031224)	5.82609 (7031224)	4.17725 (7031224)
842670.0 |	5.29005 (7030124)	6.23980 (7031224)	8.55820 (7031224)	10.11291 (7031224)	7.81618 (7031224)
842620.0 |	6.04474 (7030124)	6.85639 (7030124)	7.22629 (7030124)	10.20075 (7031224)	12.07712 (7031224)
842570.0 |	6.05676 (7032424)	6.70776 (7032424)	8.16035 (7030124)	8.52452 (7030124)	9.62144 (7031224)
842520.0 |	6.76518 (7031424)	7.77662 (7031424)	8.08814 (7031424)	9.16543 (7032424)	10.74407 (7030124)
842470.0 |	6.30554 (7021524)	6.92933 (7021524)	7.51798 (7031424)	10.18526 (7031424)	13.04393 (7031424)
842420.0 |	6.95634 (7092524)	7.91321 (7092524)	9.00515 (7092524)	10.00519 (7021524)	12.74259 (7021524)
842370.0 |	7.32599 (7092524)	8.63624 (7092524)	10.36253 (7092524)	11.48121 (7081724)	13.65642 (7081724)
842320.0 |	6.38304 (7100224)	14.96507 (7092424)	29.92918 (7100324)	32.63187 (7100324)	41.56878 (7033024)
842270.0 |	6.75889 (7100224)	18.48911 (7100324)	29.65971 (7033024)	25.66581 (7033024)	23.26788 (7100324)
842220.0 |	6.91709 (7100224)	15.58655 (7100224)	31.68381 (7033024)	24.60717 (7033024)	30.83545 (7013124)
842170.0 |	6.07006 (7100224)	8.79715 (7100224)	16.70740 (7121724)	26.17277 (7013124)	32.78631 (7013124)
842120.0 |	3.78258 (7100124)	5.44344 (7100124)	13.20490 (7013124)	17.20551 (7013124)	25.41120 (7013124)
842070.0 |	2.59673 (7100124)	5.03764 (7013124)	9.97105 (7013124)	12.47633 (7013124)	24.95319 (7013124)
842020.0 |	10.14805 (7013124)	10.10083 (7013124)	18.04806 (7013124)	17.20522 (7013124)	8.13409 (7040324)

841970.0	22.98279 (7013124)	30.00709 (7013124)	25.53751 (7013124)	7.35641 (7110124)	10.27058 (7040324)
841920.0	14.88894 (7013124)	8.70385 (7013124)	3.91545 (7082524)	7.14323 (7040324)	9.95228 (7040324)
841870.0	2.40187 (7112924)	1.87995 (7112924)	3.31239 (7040324)	6.84852 (7040324)	8.19441 (7040324)
841820.0	2.03887 (7112924)	2.39543 (7040324)	5.30236 (7040324)	7.47324 (7040324)	7.74217 (7040324)
841770.0	1.98509 (7020124)	4.03801 (7040324)	6.53539 (7040324)	7.32270 (7040324)	7.16430 (7040324)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 58

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	6.67863 (7070524)	7.95845 (7070524)	6.73938 (7061124)	7.27108 (7061124)	8.63851 (7060824)
842720.0	4.97092 (7070524)	9.55215 (7070524)	7.28921 (7070524)	8.92174 (7061124)	22.69815 (7120324)
842670.0	4.90999 (7022424)	8.41735 (7070524)	10.71900 (7070524)	11.07589 (7061124)	42.45421 (7120324)
842620.0	11.23822 (7031224)	10.32895 (7070524)	30.39572 (7070524)	50.04861 (7061124)	49.22743 (7120324)
842570.0	27.83112 (7031224)	24.09337 (7031224)	55.71789 (7070524)	59.90742 (7061524)	67.74426 (7061124)
842520.0	20.38279 (7030124)	51.84649 (7031224)	25.45906 (7070524)	71.47411 (7070524)	74.02779 (7061124)
842470.0	15.56586 (7032424)	22.35927 (7030124)	58.84044 (7031224)	37.27087 (7022424)	32.97332 (7070524)
842420.0	21.40230 (7021524)	35.10412 (7021524)	46.34513 (7031424)	45.06096 (7032324)	52.05667 (7070524)
842370.0	23.41831 (7081724)	45.06338 (7081724)	40.03886 (7081724)	11.25114 (7082924)	7.68148 (7041824)
842320.0	30.41414 (7100224)	49.37573 (7100224)	20.99967 (7100124)	17.31897 (7020124)	67.83787 (7092324)
842270.0	25.04796 (7101324)	17.99644 (7080924)	16.91901 (7020124)	70.90229 (7040324)	74.17034 (7010524)
842220.0	39.49225 (7013124)	17.07206 (7091924)	40.84867 (7040324)	61.59119 (7040324)	40.42479 (7010524)
842170.0	25.99405 (7013124)	25.55255 (7012824)	40.23434 (7013124)	45.88985 (7092324)	29.40060 (7010524)
842120.0	23.51788 (7013124)	31.07212 (7013124)	36.97972 (7040324)	41.26192 (7092324)	24.38162 (7010524)
842070.0	19.71426 (7013124)	19.41330 (7110124)	36.66193 (7040324)	32.87198 (7092324)	20.63273 (7010524)
842020.0	19.03206 (7040324)	17.98512 (7040324)	19.41943 (7040324)	19.11310 (7092324)	12.07790 (7010524)
841970.0	10.61789 (7040324)	8.88136 (7040324)	8.31339 (7092324)	8.41968 (7092324)	7.40041 (7010524)
841920.0	9.24596 (7040324)	8.62506 (7040324)	9.43445 (7092324)	8.15543 (7092324)	7.16687 (7010524)
841870.0	8.24618 (7040324)	7.67331 (7040324)	9.89430 (7092324)	7.43570 (7092324)	6.93275 (7010524)
841820.0	7.54458 (7040324)	6.80796 (7092324)	9.11331 (7092324)	5.74599 (7092324)	6.26538 (7010524)
841770.0	6.70394 (7040324)	7.48860 (7092324)	8.13914 (7092324)	4.91397 (7123024)	5.69586 (7010524)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 59

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	11.47804 (7071524)	43.38432 (7051624)	26.63053 (7101924)	29.34143 (7060524)	28.99020 (7050224)
842720.0	45.55182 (7071524)	37.35807 (7051624)	29.64639 (7060524)	34.55822 (7060524)	31.38802 (7050224)
842670.0	43.06821 (7071524)	40.87966 (7051624)	33.69611 (7060524)	36.07492 (7050224)	26.28163 (7072324)
842620.0	53.58313 (7071524)	42.14505 (7101924)	41.93970 (7060524)	35.57401 (7050224)	29.34034 (7071824)
842570.0	63.28695 (7051624)	54.71045 (7101924)	51.91846 (7050224)	35.57162 (7071824)	28.23328 (7072024)
842520.0	68.23155 (7051624)	59.61229 (7072024)	49.48347 (7071824)	34.41350 (7062424)	26.83034 (7062424)
842470.0	34.46819 (7070624)	88.64309 (7060524)	60.86205 (7072324)	42.70827 (7020424)	34.41397 (7020424)
842420.0	89.59507 (7052524)	54.84120 (7070924)	63.00942 (7020424)	42.33435 (7020424)	33.87898 (7041524)
842370.0	36.17252 (7051624)	49.24844 (7072024)	74.78855 (7041524)	61.61507 (7041524)	46.63106 (7041524)
842320.0	32.49828 (7081124)	38.64205 (7071024)	60.12377 (7020424)	34.84317 (7071824)	25.58077 (7041524)
842270.0	25.88905 (7081824)	23.56323 (7081824)	16.38584 (7041524)	45.27068 (7041524)	54.44333 (7041524)
842220.0	15.13261 (7081824)	11.90180 (7081824)	9.70243 (7032924)	11.27924 (7020924)	13.65183 (7020924)
842170.0	8.04152 (7012324)	10.62357 (7081824)	6.97618 (7050524)	6.65871 (7032924)	5.96317 (7032924)
842120.0	8.51927 (7012324)	9.36720 (7081824)	9.69640 (7081824)	5.54626 (7062224)	4.33062 (7032924)
842070.0	7.79132 (7012324)	8.50971 (7012524)	8.66286 (7081824)	5.14714 (7081824)	3.62888 (7062224)
842020.0	6.10916 (7011924)	4.88065 (7081824)	5.41379 (7081824)	4.64570 (7081824)	3.27121 (7050524)
841970.0	4.93318 (7011924)	3.53188 (7011724)	3.83899 (7081824)	3.79302 (7081824)	3.09769 (7050524)
841920.0	4.52937 (7011924)	3.64751 (7011724)	3.21933 (7081824)	3.22675 (7081824)	3.20038 (7081824)
841870.0	4.15943 (7011924)	3.52810 (7011724)	2.85936 (7012524)	2.69618 (7081824)	2.90515 (7081824)
841820.0	3.83753 (7011924)	3.41331 (7011724)	2.75933 (7012524)	2.32012 (7012524)	2.43068 (7081824)
841770.0	3.55414 (7011924)	3.25820 (7011724)	3.09243 (7011724)	2.59833 (7012524)	2.01773 (7081824)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 60

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	26.95030 (7050224)	20.14909 (7072024)	17.09571 (7071824)	21.67054 (7071824)	18.99841 (7072024)
842720.0	23.10112 (7072324)	19.33814 (7071824)	18.45918 (7071824)	22.01902 (7072024)	22.89815 (7072324)
842670.0	23.18381 (7071824)	20.07249 (7071824)	16.93801 (7072324)	26.02683 (7072324)	15.53217 (7062424)
842620.0	23.38506 (7072324)	18.60988 (7072324)	16.76376 (7022324)	16.59619 (7022324)	15.59385 (7022324)
842570.0	21.43896 (7072324)	18.24591 (7022324)	18.40236 (7022324)	17.46641 (7072224)	15.61110 (7020424)
842520.0	25.56083 (7020424)	21.64956 (7020424)	18.29181 (7020424)	20.08239 (7020424)	18.56116 (7020424)
842470.0	28.12039 (7020424)	24.25663 (7020424)	24.21969 (7020424)	20.25501 (7020424)	13.81498 (7020424)
842420.0	35.66433 (7041524)	30.70976 (7041524)	26.14541 (7041524)	22.59338 (7041524)	19.98207 (7041524)
842370.0	38.15197 (7041524)	32.85336 (7041524)	30.42751 (7041524)	27.34371 (7041524)	24.93479 (7041524)
842320.0	28.78277 (7041524)	29.88637 (7041524)	29.84328 (7041524)	32.60725 (7041524)	27.43667 (7041524)
842270.0	45.05271 (7041524)	37.16851 (7041524)	29.95991 (7041524)	16.28988 (7041524)	26.66910 (7041524)
842220.0	16.36283 (7013024)	13.73748 (7013024)	13.06633 (7013024)	15.59267 (7013024)	16.47623 (7013024)
842170.0	4.54255 (7032924)	4.35260 (7071324)	10.00424 (7071424)	16.23328 (7051824)	14.44116 (7013024)
842120.0	3.81376 (7032924)	3.18333 (7032924)	9.14320 (7051824)	13.66403 (7043024)	12.86497 (7071424)
842070.0	3.28063 (7062224)	2.83072 (7032924)	7.12943 (7043024)	10.53949 (7122424)	7.23295 (7051824)
842020.0	3.26473 (7062224)	2.78752 (7062224)	2.44561 (7100824)	3.96080 (7043024)	3.65035 (7043024)
841970.0	2.45214 (7062224)	2.73597 (7062224)	2.18958 (7062224)	1.62565 (7032924)	1.42483 (7032924)
841920.0	2.42732 (7050524)	2.26555 (7062224)	2.46853 (7062224)	1.97153 (7062224)	1.40781 (7100824)
841870.0	2.54383 (7081824)	2.05009 (7040824)	2.10129 (7062224)	2.25161 (7062224)	1.77875 (7062224)

841820.0	2.59779 (7081824)	1.99562 (7081824)	1.95175 (7040824)	2.00855 (7062224)	2.08269 (7062224)
841770.0	2.31206 (7081824)	2.24762 (7100524)	1.86529 (7040824)	1.80994 (7040824)	1.89984 (7062224)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 61

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	11.94021 (7022324)
842720.0	13.12121 (7022324)
842670.0	14.34282 (7022324)
842620.0	14.21378 (7072224)
842570.0	15.76431 (7020424)
842520.0	16.58957 (7020424)
842470.0	12.10798 (7020424)
842420.0	18.13974 (7041524)
842370.0	23.08393 (7041524)
842320.0	24.02974 (7041524)
842270.0	15.00804 (7041524)
842220.0	17.36685 (7013024)
842170.0	14.35244 (7013024)
842120.0	7.09444 (7071424)
842070.0	4.84290 (7043024)
842020.0	2.84736 (7043024)
841970.0	1.51038 (7071324)
841920.0	1.29142 (7060224)
841870.0	1.46521 (7100824)
841820.0	1.70334 (7100824)
841770.0	1.92148 (7062224)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 62

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	6.69180 (7031224)	6.35183 (7031224)	4.60348 (7031224)	3.41593 (7031224)	2.93289 (7070524)
842720.0	5.84699 (7031224)	7.35238 (7031224)	7.43972 (7031224)	5.85084 (7031224)	4.18088 (7031224)
842670.0	5.35027 (7030124)	6.27419 (7031224)	8.62821 (7031224)	10.20051 (7031224)	7.83108 (7031224)
842620.0	6.16280 (7030124)	6.97113 (7030124)	7.31868 (7030124)	10.31701 (7031224)	12.29314 (7031224)
842570.0	6.23051 (7031424)	6.86545 (7030124)	8.36819 (7030124)	8.77086 (7030124)	9.94256 (7031224)
842520.0	6.88680 (7031424)	7.98295 (7031424)	8.39937 (7031424)	9.35105 (7032424)	11.28821 (7030124)
842470.0	6.38244 (7021524)	7.04826 (7021524)	7.67492 (7031424)	10.50048 (7031424)	13.73645 (7031424)
842420.0	7.05679 (7092524)	8.05389 (7092524)	9.21694 (7092524)	10.31785 (7021524)	13.47567 (7021524)
842370.0	7.36831 (7092524)	8.69368 (7092524)	10.44252 (7092524)	11.50793 (7092524)	13.82009 (7081724)
842320.0	6.39852 (7100224)	15.04887 (7092424)	29.93781 (7100324)	33.15435 (7033024)	43.27156 (7033024)
842270.0	6.84715 (7100224)	18.79316 (7100324)	29.80171 (7033024)	26.29159 (7033024)	23.51198 (7101324)
842220.0	6.99230 (7100224)	15.31079 (7100224)	30.77881 (7033024)	23.82926 (7033024)	31.21721 (7013124)
842170.0	6.08685 (7100224)	8.64085 (7100224)	16.38511 (7121724)	26.85083 (7013124)	33.22148 (7013124)
842120.0	3.80640 (7100124)	5.36646 (7100124)	14.63143 (7013124)	18.43595 (7013124)	27.51013 (7013124)
842070.0	2.60380 (7100124)	6.08263 (7013124)	11.70222 (7013124)	13.87665 (7013124)	25.31019 (7013124)
842020.0	11.57488 (7013124)	11.41002 (7013124)	18.87565 (7013124)	18.03510 (7013124)	8.39921 (7110124)
841970.0	22.57738 (7013124)	29.52067 (7013124)	25.25079 (7013124)	8.07580 (7110124)	10.22278 (7040324)
841920.0	15.54095 (7013124)	9.00223 (7013124)	4.10446 (7110124)	7.08108 (7040324)	9.97597 (7040324)
841870.0	2.42667 (7112924)	1.90276 (7112924)	3.31607 (7040324)	6.87729 (7040324)	8.24410 (7040324)
841820.0	2.05219 (7112924)	2.44994 (7110124)	5.30570 (7040324)	7.50092 (7040324)	7.76863 (7040324)
841770.0	2.09511 (7110124)	4.02839 (7040324)	6.54140 (7040324)	7.34116 (7040324)	7.17054 (7040324)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 63

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	6.98744 (7070524)	8.21847 (7070524)	7.26539 (7061124)	8.57355 (7061124)	9.97544 (7060824)
842720.0	5.14752 (7070524)	9.92143 (7070524)	7.71216 (7070524)	10.42737 (7061124)	25.04146 (7120324)
842670.0	4.95623 (7022424)	8.77672 (7070524)	11.20467 (7070524)	12.88609 (7061124)	43.62332 (7120324)
842620.0	11.17660 (7031224)	11.64644 (7070524)	33.21124 (7070524)	55.70548 (7061124)	51.35240 (7120324)
842570.0	27.64861 (7031224)	25.00311 (7031224)	59.48386 (7070524)	63.35713 (7061524)	73.81330 (7061124)
842520.0	20.57696 (7030124)	50.36658 (7031224)	30.87182 (7070524)	81.18531 (7070524)	86.58689 (7061124)
842470.0	16.32118 (7032424)	24.86889 (7030124)	61.38014 (7031224)	37.57698 (7022424)	36.67540 (7062624)
842420.0	22.61347 (7021524)	36.30712 (7021524)	58.22371 (7031424)	86.32364 (7030124)	121.32750 (7070524)
842370.0	23.16442 (7081724)	46.63049 (7100324)	46.58365 (7081724)	19.87852 (7100224)	179.66320 (7020124)
842320.0	30.95095 (7100224)	47.34101 (7100224)	26.07871 (7100124)	24.60000 (7020124)	170.06230 (7092324)
842270.0	28.67634 (7101324)	18.55135 (7080924)	16.82275 (7100124)	80.48130 (7040324)	92.25507 (7010524)
842220.0	41.09002 (7013124)	18.89500 (7091924)	38.54329 (7040324)	57.79287 (7040324)	42.96803 (7010524)
842170.0	28.77791 (7013124)	27.18117 (7012824)	41.72537 (7013124)	44.13266 (7092324)	31.18454 (7010524)
842120.0	23.57284 (7013124)	30.55378 (7013124)	36.27640 (7040324)	40.13729 (7092324)	25.25443 (7010524)
842070.0	19.28167 (7013124)	20.36067 (7110124)	35.76433 (7040324)	32.18640 (7092324)	21.38710 (7010524)
842020.0	18.74624 (7040324)	17.73113 (7040324)	19.37741 (7040324)	19.17516 (7092324)	12.62081 (7010524)
841970.0	10.70084 (7040324)	9.09583 (7040324)	8.53938 (7092324)	8.75717 (7092324)	7.73002 (7010524)
841920.0	9.30981 (7040324)	8.75742 (7040324)	9.59958 (7092324)	8.36303 (7092324)	7.46923 (7010524)
841870.0	8.29850 (7040324)	7.74021 (7040324)	10.01342 (7092324)	7.55435 (7092324)	7.21938 (7010524)
841820.0	7.56864 (7040324)	6.85240 (7092324)	9.21006 (7092324)	5.92788 (7123024)	6.51180 (7010524)
841770.0	6.71000 (7040324)	7.53170 (7092324)	8.21367 (7092324)	5.10924 (7123024)	5.90759 (7010524)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	13.62655 (7071524)	42.70179 (7051624)	26.35808 (7101924)	28.99134 (7060524)	28.50615 (7050224)
842720.0	45.99428 (7071524)	37.47830 (7051624)	29.63296 (7060524)	34.39638 (7060524)	31.13776 (7050224)
842670.0	44.05880 (7071524)	41.54902 (7051624)	34.09285 (7060524)	36.30178 (7050224)	26.17379 (7072324)
842620.0	55.99808 (7071524)	43.48819 (7101924)	43.09672 (7060524)	36.28672 (7050224)	29.49428 (7071824)
842570.0	67.08410 (7051624)	56.91605 (7101924)	54.70613 (7050224)	36.29865 (7071824)	28.90037 (7072024)
842520.0	77.14829 (7051624)	64.08497 (7050224)	52.02349 (7071824)	35.67902 (7062424)	27.46433 (7062424)
842470.0	40.02375 (7082124)	90.63732 (7060524)	61.85199 (7072324)	44.84482 (7020424)	35.27825 (7020424)
842420.0	114.01880 (7052524)	68.87418 (7070924)	69.61193 (7020424)	44.39232 (7020424)	34.77257 (7041524)
842370.0	64.65316 (7051624)	49.97631 (7072024)	81.66894 (7041524)	64.10036 (7041524)	47.73397 (7041524)
842320.0	55.07809 (7081124)	40.81656 (7071024)	62.89403 (7020424)	35.05993 (7071824)	27.04262 (7041524)
842270.0	34.61018 (7110624)	31.71827 (7081824)	19.30233 (7041524)	46.64348 (7041524)	52.59890 (7041524)
842220.0	17.83651 (7012524)	12.80753 (7081824)	9.76143 (7032924)	12.19661 (7071424)	14.40865 (7041324)
842170.0	8.87862 (7012324)	11.16513 (7081824)	7.03079 (7050524)	6.62022 (7032924)	5.92524 (7032924)
842120.0	9.06999 (7012324)	9.42499 (7081824)	10.31839 (7081824)	5.65654 (7062224)	4.41874 (7062224)
842070.0	8.17689 (7011924)	9.79278 (7012524)	10.65476 (7100524)	5.43532 (7081824)	3.71586 (7062224)
842020.0	6.32706 (7011924)	5.27419 (7012524)	5.43233 (7081824)	4.75211 (7081824)	3.26875 (7050524)
841970.0	5.05581 (7011924)	3.74031 (7011724)	3.83746 (7081824)	3.84634 (7081824)	3.11182 (7050524)
841920.0	4.63046 (7011924)	3.81891 (7011724)	3.31157 (7012524)	3.24237 (7081824)	3.24450 (7081824)
841870.0	4.24708 (7011924)	3.65531 (7011724)	3.06717 (7012524)	2.69655 (7081824)	2.92804 (7081824)
841820.0	3.91538 (7011924)	3.51359 (7011724)	2.92327 (7012524)	2.49833 (7012524)	2.43818 (7081824)
841770.0	3.62356 (7011924)	3.34596 (7011724)	3.18434 (7011724)	2.87115 (7012524)	2.01828 (7081824)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 65

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	26.49363 (7050224)	19.78199 (7072024)	16.76792 (7071824)	21.18611 (7071824)	18.75714 (7072024)
842720.0	22.78416 (7072324)	19.05364 (7071824)	18.13787 (7071824)	21.67394 (7072024)	22.21707 (7072324)
842670.0	23.01505 (7071824)	19.84291 (7071824)	16.66634 (7072324)	25.28384 (7072324)	15.11549 (7062424)
842620.0	23.40299 (7072324)	18.46140 (7072324)	16.51590 (7022324)	16.28688 (7022324)	15.24945 (7022324)
842570.0	21.54992 (7072324)	18.17150 (7022324)	18.22347 (7022324)	17.20715 (7072224)	15.26301 (7020424)
842520.0	25.69228 (7020424)	21.62573 (7072224)	18.07100 (7020424)	19.80623 (7020424)	18.20933 (7020424)
842470.0	28.40313 (7020424)	24.35782 (7020424)	24.19765 (7020424)	20.04098 (7020424)	13.59684 (7020424)
842420.0	36.08635 (7041524)	30.73532 (7041524)	25.96300 (7041524)	22.30489 (7041524)	19.64401 (7041524)
842370.0	38.57336 (7041524)	32.88463 (7041524)	30.27777 (7041524)	27.07902 (7041524)	24.58935 (7041524)
842320.0	30.01633 (7041524)	30.59837 (7041524)	30.04495 (7041524)	32.23523 (7041524)	27.11653 (7041524)
842270.0	43.43303 (7041524)	35.87158 (7041524)	28.96877 (7041524)	16.82257 (7041524)	25.80811 (7041524)
842220.0	16.65226 (7043024)	13.98796 (7013024)	13.08610 (7013024)	15.52305 (7013024)	16.18299 (7013024)
842170.0	4.78782 (7020924)	4.44713 (7071324)	10.37516 (7071424)	15.96659 (7051824)	14.16359 (7013024)
842120.0	3.79953 (7032924)	3.22125 (7043024)	9.51115 (7051824)	13.73050 (7043024)	12.77783 (7071424)
842070.0	3.36076 (7062224)	2.82196 (7032924)	7.71030 (7043024)	10.54845 (7122424)	7.43141 (7051824)
842020.0	3.32562 (7062224)	2.83735 (7062224)	2.75863 (7041324)	4.30868 (7043024)	3.96278 (7043024)
841970.0	2.48128 (7062224)	2.77935 (7062224)	2.22310 (7062224)	1.62281 (7032924)	1.42256 (7032924)
841920.0	2.43340 (7050524)	2.28736 (7062224)	2.49823 (7062224)	1.99337 (7062224)	1.50980 (7100824)
841870.0	2.57740 (7081824)	2.12133 (7040824)	2.11749 (7062224)	2.27140 (7062224)	1.80167 (7100824)
841820.0	2.61651 (7081824)	2.03104 (7081824)	2.01694 (7040824)	2.01952 (7062224)	2.09523 (7062224)
841770.0	2.32142 (7081824)	2.53691 (7100524)	1.93573 (7040824)	1.87053 (7040824)	1.90702 (7062224)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 66

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	11.61021 (7022324)
842720.0	12.76987 (7022324)
842670.0	13.97480 (7022324)
842620.0	13.87302 (7072224)
842570.0	15.37731 (7020424)
842520.0	16.20461 (7020424)
842470.0	11.85186 (7020424)
842420.0	17.78548 (7041524)
842370.0	22.68588 (7041524)
842320.0	23.62716 (7041524)
842270.0	14.79868 (7041524)
842220.0	16.98524 (7013024)
842170.0	14.23086 (7013024)
842120.0	7.46209 (7071424)
842070.0	5.18170 (7043024)
842020.0	3.04837 (7043024)
841970.0	1.57293 (7043024)
841920.0	1.30309 (7060224)
841870.0	1.56570 (7100824)
841820.0	1.80292 (7100824)
841770.0	1.92911 (7062224)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 67

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	7.28584 (7031224)	6.89029 (7031224)	4.76242 (7031224)	4.00448 (7042924)	4.49501 (7070524)
842720.0	6.04674 (7031224)	7.93204 (7031224)	8.15391 (7031224)	6.00102 (7031224)	4.96480 (7042924)
842670.0	5.91382 (7030124)	6.54609 (7031224)	9.30799 (7031224)	11.25823 (7031224)	7.81061 (7031224)
842620.0	7.51419 (7030124)	8.15896 (7030124)	8.16826 (7032424)	11.17320 (7031224)	14.12032 (7031224)
842570.0	7.96133 (7031424)	8.77610 (7030124)	10.63097 (7030124)	10.78043 (7030124)	12.04104 (7031224)
842520.0	7.92929 (7031424)	9.79518 (7031424)	11.19997 (7031424)	11.67941 (7030124)	15.96405 (7030124)
842470.0	6.92008 (7021524)	7.78579 (7021524)	8.92836 (7031424)	12.87633 (7031424)	18.81619 (7031424)
842420.0	7.81076 (7092524)	9.05709 (7092524)	10.64509 (7092524)	12.53491 (7021524)	17.54616 (7021524)
842370.0	9.77499 (7100324)	11.84346 (7100324)	14.55468 (7100324)	16.25384 (7100324)	18.72278 (7100324)
842320.0	7.32968 (7092424)	23.98861 (7033024)	37.77600 (7072824)	40.97948 (7033024)	47.35260 (7033024)
842270.0	7.94514 (7100324)	28.05961 (7033024)	25.60740 (7033024)	23.68302 (7033024)	21.47605 (7101324)
842220.0	7.55377 (7100224)	17.93451 (7080624)	22.30559 (7033024)	20.15032 (7110324)	27.47691 (7013124)
842170.0	6.13587 (7100224)	13.55778 (7110324)	18.56824 (7013124)	30.81799 (7013124)	39.35553 (7013124)
842120.0	3.93931 (7100124)	8.34009 (7011824)	28.12657 (7013124)	33.15915 (7013124)	36.20459 (7013124)
842070.0	2.98186 (7013124)	15.86605 (7013124)	25.67963 (7013124)	23.16595 (7013124)	25.21118 (7013124)
842020.0	22.45423 (7013124)	21.42952 (7013124)	23.82511 (7013124)	22.46005 (7013124)	13.70339 (7110124)
841970.0	22.85636 (7013124)	26.51764 (7013124)	21.71796 (7013124)	13.23078 (7110124)	9.72532 (7040324)
841920.0	19.67448 (7013124)	10.58169 (7013124)	6.98572 (7110124)	7.14128 (7110124)	10.09865 (7040324)
841870.0	4.13829 (7013124)	2.59371 (7082524)	3.69008 (7110124)	7.07698 (7040324)	8.61281 (7040324)
841820.0	2.73022 (7091524)	4.00360 (7110124)	5.30576 (7040324)	7.69995 (7040324)	7.94058 (7040324)
841770.0	3.54196 (7110124)	3.92835 (7040324)	6.56274 (7040324)	7.46251 (7040324)	7.17462 (7040324)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 68

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	11.15084 (7070524)	14.25585 (7061524)	13.39465 (7061124)	22.76772 (7061124)	31.50934 (7013124)
842720.0	7.84307 (7070524)	14.65539 (7070524)	12.79199 (7070524)	27.71610 (7061124)	40.90165 (7013124)
842670.0	6.69413 (7070524)	13.80266 (7070524)	17.58890 (7070524)	34.73277 (7061124)	42.00438 (7120324)
842620.0	12.44677 (7042924)	26.97555 (7051424)	54.70033 (7061524)	79.03407 (7061124)	48.72557 (7061124)
842570.0	28.65874 (7031224)	39.53571 (7060924)	63.98009 (7070524)	62.41267 (7070524)	84.34595 (7061124)
842520.0	26.33534 (7032424)	53.18875 (7022724)	65.50861 (7070524)	97.17298 (7070524)	124.18160 (7061124)
842470.0	23.83956 (7031424)	39.27135 (7030124)	56.59075 (7052024)	96.44331 (7070524)	117.70380 (7061124)
842420.0	26.14981 (7021524)	48.66694 (7121524)	98.60220 (7031424)	197.32390 (7052224)	386.39820 (7070524)
842370.0	30.42082 (7102424)	72.74079 (7100324)	83.10931 (7100324)	212.30290 (7092424)	1224.43400 (7013124)
842320.0	55.31160 (7110324)	31.72648 (7080624)	27.04385 (7100124)	48.38541 (7012724)	215.73960 (7123024)
842270.0	36.39833 (7101324)	29.37659 (7013124)	23.12175 (7080924)	70.55949 (7030624)	254.38290 (7122324)
842220.0	46.98629 (7013124)	31.86199 (7013124)	44.14221 (7092024)	50.84686 (7071024)	81.62070 (7050624)
842170.0	39.44603 (7013124)	34.58002 (7012824)	40.66394 (7013124)	51.29662 (7123124)	48.41213 (7071024)
842120.0	22.40938 (7012824)	28.45807 (7050624)	32.89615 (7123124)	44.32967 (7111824)	33.87647 (7010524)
842070.0	17.84688 (7050624)	29.25174 (7050624)	38.41683 (7071024)	39.22488 (7101524)	28.74373 (7010524)
842020.0	17.67416 (7050624)	15.52019 (7040324)	18.54175 (7040324)	20.94714 (7123024)	17.95776 (7010524)
841970.0	11.26052 (7040324)	10.60685 (7040324)	10.24681 (7092324)	11.32104 (7092324)	11.06876 (7010524)
841920.0	9.73013 (7040324)	9.69187 (7040324)	10.87991 (7092324)	9.94084 (7092324)	10.56180 (7010524)
841870.0	8.63827 (7040324)	8.20759 (7040324)	10.93410 (7092324)	9.92717 (7123024)	10.08092 (7010524)
841820.0	7.69725 (7040324)	7.19118 (7092324)	9.96055 (7092324)	8.30571 (7123024)	8.93497 (7010524)
841770.0	6.71242 (7040324)	7.85888 (7092324)	8.79117 (7092324)	6.82532 (7123024)	7.96036 (7010524)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 69

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	31.16666 (7071524)	41.01701 (7051624)	21.48421 (7101924)	23.71881 (7060524)	30.98118 (7050224)
842720.0	43.63363 (7071524)	32.02057 (7051624)	24.98688 (7060524)	28.64706 (7060524)	25.83465 (7050224)
842670.0	38.55902 (7071524)	36.62393 (7051624)	29.57825 (7060524)	31.22108 (7050224)	22.15282 (7050224)
842620.0	51.33448 (7071524)	38.69346 (7101924)	38.64834 (7060524)	32.26210 (7050224)	25.51288 (7071824)
842570.0	67.03407 (7051624)	51.38213 (7060524)	51.52303 (7050224)	32.26866 (7071824)	25.80622 (7072024)
842520.0	95.35564 (7051624)	62.58456 (7050224)	48.46094 (7071824)	32.19729 (7062424)	24.21159 (7062424)
842470.0	85.06053 (7050224)	89.09701 (7071824)	51.90670 (7072324)	41.03664 (7020424)	32.34423 (7020424)
842420.0	247.96970 (7062524)	107.60290 (7070924)	68.65743 (7020424)	40.67847 (7020424)	32.61369 (7041524)
842370.0	159.00090 (7051624)	117.51020 (7041524)	92.11703 (7041524)	61.54997 (7041524)	44.27278 (7041524)
842320.0	256.82570 (7060524)	81.06496 (7022324)	58.30446 (7020424)	27.76050 (7051824)	25.63807 (7041524)
842270.0	75.95146 (7110624)	83.34762 (7081824)	40.68204 (7041524)	47.34871 (7041524)	40.62473 (7041524)
842220.0	79.30956 (7012524)	35.10480 (7100524)	19.89771 (7122424)	22.17517 (7081924)	22.88295 (7043024)
842170.0	22.99547 (7030824)	31.20899 (7100524)	18.49379 (7100524)	16.69902 (7100524)	13.82761 (7100824)
842120.0	20.25944 (7030824)	20.48522 (7120524)	20.63151 (7100524)	9.96659 (7040824)	11.10241 (7091824)
842070.0	16.54709 (7030824)	23.89255 (7012524)	28.03239 (7100524)	10.95478 (7100524)	4.42761 (7040824)
842020.0	10.93542 (7111924)	9.94739 (7012524)	11.13880 (7120524)	9.85163 (7100524)	4.22037 (7040824)
841970.0	7.79108 (7111924)	5.79648 (7011724)	5.23011 (7012524)	5.30966 (7100524)	4.46119 (7100524)
841920.0	7.43964 (7111924)	5.68923 (7103124)	6.44966 (7012524)	4.02689 (7120524)	6.40572 (7100524)
841870.0	7.11672 (7111924)	5.22519 (7103124)	5.59823 (7012524)	4.20564 (7120624)	4.50162 (7100524)
841820.0	6.83267 (7111924)	5.45387 (7030824)	4.78181 (7012524)	4.85970 (7072424)	3.78840 (7120524)
841770.0	6.55717 (7111924)	5.97185 (7030824)	5.09351 (7120524)	5.89706 (7012524)	4.11203 (7120524)

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 09:45:55
PAGE 70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	21.46285 (7050224)	16.01444 (7072024)	13.78697 (7071824)	19.11490 (7071824)	16.34762 (7072024)
842720.0	18.78265 (7072324)	15.82341 (7071824)	14.89266 (7071824)	19.54888 (7072024)	16.70533 (7072324)
842670.0	19.43674 (7071824)	16.49525 (7071824)	13.62591 (7072324)	20.60770 (7022324)	15.00777 (7072224)
842620.0	20.06563 (7072324)	15.41934 (7072324)	13.30741 (7022324)	12.99984 (7022324)	12.06792 (7022324)
842570.0	18.59766 (7072324)	15.01437 (7022324)	14.90047 (7072224)	13.98519 (7072224)	12.06590 (7020424)
842520.0	21.70869 (7020424)	18.29449 (7072224)	14.65574 (7020424)	15.99324 (7020424)	14.51515 (7020424)
842470.0	24.25225 (7020424)	20.50318 (7020424)	20.13069 (7020424)	16.30332 (7020424)	11.39841 (7081224)
842420.0	32.29277 (7041524)	26.84691 (7041524)	22.21143 (7041524)	18.78245 (7041524)	16.35316 (7041524)
842370.0	34.70901 (7041524)	28.88508 (7041524)	26.10142 (7041524)	22.99633 (7041524)	20.61005 (7041524)
842320.0	27.84622 (7041524)	27.43191 (7041524)	26.04948 (7041524)	26.81960 (7041524)	22.65677 (7041524)
842270.0	30.02776 (7041524)	25.00661 (7041524)	21.02945 (7041524)	19.36215 (7041524)	18.68160 (7041524)
842220.0	25.66200 (7043024)	15.89969 (7013024)	14.88227 (7051824)	14.27202 (7013024)	12.97085 (7071424)
842170.0	10.47360 (7041324)	6.81892 (7043024)	15.43122 (7043024)	14.16626 (7051824)	15.27939 (7051824)
842120.0	6.52096 (7100824)	6.27375 (7091824)	12.40068 (7043024)	15.10987 (7043024)	11.79971 (7043024)
842070.0	7.04743 (7091824)	5.69388 (7100824)	12.68871 (7031124)	11.96953 (7043024)	11.42661 (7020724)
842020.0	3.80054 (7062224)	4.69409 (7091824)	6.22958 (7041324)	6.98626 (7043024)	6.58039 (7043024)
841970.0	3.68767 (7040824)	3.12685 (7062224)	3.02821 (7100824)	2.82575 (7041324)	2.06122 (7043024)
841920.0	3.22623 (7040824)	3.21405 (7040824)	2.73751 (7062224)	2.97243 (7100824)	2.64377 (7100824)
841870.0	5.26637 (7100524)	2.88353 (7040824)	2.73643 (7020624)	2.43121 (7062224)	2.82374 (7100824)
841820.0	5.79641 (7100524)	3.97286 (7100524)	2.72225 (7040824)	3.00636 (7020624)	2.19608 (7062224)
841770.0	4.06887 (7100524)	5.65255 (7100524)	2.87164 (7100524)	2.50435 (7040824)	3.05319 (7020624)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	9.29130 (7072224)
842720.0	10.00882 (7022324)
842670.0	10.97446 (7022324)
842620.0	11.01410 (7072224)
842570.0	12.09178 (7020424)
842520.0	12.78219 (7020424)
842470.0	9.86315 (7081224)
842420.0	14.74255 (7041524)
842370.0	18.82381 (7041524)
842320.0	19.48002 (7041524)
842270.0	12.33751 (7041524)
842220.0	13.22837 (7013024)
842170.0	13.12296 (7013024)
842120.0	9.89637 (7071424)
842070.0	7.88310 (7043024)
842020.0	4.91097 (7043024)
841970.0	2.84774 (7043024)
841920.0	1.95853 (7100824)
841870.0	2.62981 (7100824)
841820.0	2.71899 (7100824)
841770.0	2.20408 (7100524)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
830944.00	842198.00	21.95571	(7122924)	830944.00	842198.00	25.25043	(7011724)
830955.00	842096.00	8.74875	(7012324)	830955.00	842096.00	9.38038	(7012324)
831175.00	842043.00	2.62463	(7062224)	830787.00	842729.00	19.13064	(7070524)
830787.00	842729.00	21.41059	(7070524)	830787.00	842729.00	25.80839	(7070524)
830787.00	842729.00	31.20343	(7070524)	830787.00	842729.00	36.19455	(7070524)
830592.00	842499.00	10.68902	(7031424)	830856.00	842030.00	15.57177	(7092324)
830856.00	842030.00	15.86869	(7092324)	830794.00	841940.00	12.38055	(7092324)
830794.00	841940.00	12.42616	(7092324)	830733.00	842013.00	16.93978	(7040324)
830733.00	842013.00	16.76893	(7040324)	830668.00	842399.00	15.30596	(7092524)
830611.00	842391.00	14.70890	(7092524)	830730.40	842441.00	35.61554	(7031424)
830761.30	842315.00	12.76938	(7100224)	830788.00	842182.00	22.81294	(7040324)
830980.00	842042.00	6.13985	(7011724)	830980.00	842042.00	6.61807	(7011724)
830999.00	842008.00	5.08715	(7011724)	831342.00	842511.00	18.34505	(7020424)
831342.00	842511.00	18.10289	(7020424)	831342.00	842511.00	17.57362	(7020424)
831342.00	842511.00	16.46602	(7020424)	830780.00	842653.00	14.90713	(7070524)
830780.00	842653.00	15.73696	(7070524)				

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 110.27480	AT (830900.00, 842370.00, 16.85, 13.40)	GC	CART3
	2ND HIGHEST VALUE IS 46.60884	AT (830900.00, 842420.00, 20.92, 13.40)	GC	CART3

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 5489.39200	ON 7031823:	AT (830900.00, 842370.00, 16.85, 13.40)	GC	CART3

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 1224.43400	ON 7013124:	AT (830900.00, 842370.00, 16.85, 13.40)	GC	CART3

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** Message Summary : ISCST3 Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 78 Informational Message(s)

A Total of 78 Calm Hours Identified

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
CO W205 17 FLAGDF:No Option Parameter Setting. Forced by Default to ZFLAG=0.

****
*** ISCST3 Finishes Successfully ***
****

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1                    ISCST3 - (DATED 96113)

               IBM-PC VERSION (3.06)   ISCST3R
      (C) COPYRIGHT 1992-1997, TRINITY CONSULTANTS, INC.

 Run Began on  5/06/2009 at  9:59:59

 ** BREEZE AIR ISCST3 - D:\PROJECTS\EA01452\S2\NOX.DAT
 ** Trinity Consultants Incorporated, Dallas, TX

 CO STARTING
 CO TITLEONE  Poultry Slaughtering and Processing Plant in Sheung Shui
 CO MODELOPT  CONC  RURAL  GRDRIS  MSGPRO  NOCALM
 CO AVERTIME  1  24  ANNUAL
 CO POLLUTID  NOX
 CO TERRHGTS  ELEV
 CO FLAGPOLE
 CO RUNORNOT  RUN
 CO FINISHED

 SO STARTING
 SO ELEVUNIT  METERS
 SO LOCATION  P1A  POINT  830935.2  842278.6  19.6
 ** SRCDESCR  NOx Extract Outlet
 SO LOCATION  P1B  POINT  830935.2  842278.6  19.6
 ** SRCDESCR  NOx Extract Outlet
 SO LOCATION  P2  POINT  830910.0  842390.0  7
 ** SRCDESCR  45 (Chimney within 500m)
 SO LOCATION  P3  POINT  830911.0  842389.0  7
 ** SRCDESCR  46 (Chimney within 500m)
 SO LOCATION  P4  POINT  830911.0  842380.0  6.4
 ** SRCDESCR  48 (Chimney within 500m)
 SO LOCATION  P5  POINT  830911.0  842380.0  6.4
 ** SRCDESCR  49 (Chimney within 500m)
 SO SRCPARAM  P1A  4.120000E-02  25  475  6  0.2
 SO SRCPARAM  P1B  4.120000E-02  25  475  6  0.2
 SO SRCPARAM  P2  2.330000E-02  13  673  6  0.28
 SO SRCPARAM  P3  1.200000E-02  13  673  6  0.28
 SO SRCPARAM  P4  1.520000E-01  15.6  673  6  0.355
 SO SRCPARAM  P5  9.470000E-02  15.6  673  6  0.355
 SO EMISFACT  P2  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P2  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P2  HROFDY  1.0  1.0  1.0  1.0
 SO EMISFACT  P3  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P3  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P3  HROFDY  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P4  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P4  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P4  HROFDY  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0  1.0
 SO EMISFACT  P5  HROFDY  1.0  1.0  1.0  1.0
 SO EMISUNIT  1.0E+06  GRAMS/SEC  MICROGRAMS/M**3
 SO SRCGROUP  ALL
 SO FINISHED

 RE STARTING
 RE ELEVUNIT  METERS
 RE GRIDCART CART1 STA
 RE GRIDCART CART1 XYINC  830450  21  50  841770  21  50
 RE GRIDCART CART1 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
 RE GRIDCART CART1 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
 RE GRIDCART CART1 ELEV  1  5.5  5.5
 RE GRIDCART CART1 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
 RE GRIDCART CART1 ELEV  2  5.45  4.8  5.18  5.55  5.3  5.05  4.97  4.9  5.25
 RE GRIDCART CART1 ELEV  2  5.6  5.6  5.6
 RE GRIDCART CART1 ELEV  3  9.2  7.4  5.6  6.55  7.5  7.5  7.5  7.5  7.5  6.2
 RE GRIDCART CART1 ELEV  3  4.9  4.9  4.9  5.05  5.2  5.2  5.2  5.45  5.7  5.7
 RE GRIDCART CART1 ELEV  3  5.7
 RE GRIDCART CART1 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
 RE GRIDCART CART1 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
 RE GRIDCART CART1 ELEV  4  6.35  6.35  6.35
 RE GRIDCART CART1 ELEV  5  40.0  35.5  31.0  22.05  13.1  9.8  6.5  6.15  5.8
 RE GRIDCART CART1 ELEV  5  5.5  5.2  5.3  5.4  5.85  6.3  6.65  7.0  7.0  7.0
 RE GRIDCART CART1 ELEV  5  7.0  7.0
 RE GRIDCART CART1 ELEV  6  24.5  26.75  29.0  25.02  21.05  19.4  17.75  16.33
 RE GRIDCART CART1 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
 RE GRIDCART CART1 ELEV  6  14.48  18.5  16.0  13.5
 RE GRIDCART CART1 ELEV  7  9.0  18.0  27.0  28.0  29.0  29.0  29.0  26.5  24.0
 RE GRIDCART CART1 ELEV  7  17.3  10.6  13.8  17.0  13.45  9.9  11.9  13.9  21.95
 RE GRIDCART CART1 ELEV  7  30.0  25.0  20.0
 RE GRIDCART CART1 ELEV  8  8.85  19.17  29.5  31.75  34.0  31.5  29.0  26.75
 RE GRIDCART CART1 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
 RE GRIDCART CART1 ELEV  8  14.4  25.2  36.0  30.75  25.5
 RE GRIDCART CART1 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
 RE GRIDCART CART1 ELEV  9  17.8  10.6  13.8  17.0  18.5  20.0  17.45  14.9
 RE GRIDCART CART1 ELEV  9  28.45  42.0  36.5  31.0
 RE GRIDCART CART1 ELEV  10  7.65  25.08  42.5  45.75  49.0  36.72  24.45  23.23
 RE GRIDCART CART1 ELEV  10  22.0  19.65  17.3  17.98  18.65  23.33  28.0  27.73
 RE GRIDCART CART1 ELEV  10  27.45  30.23  33.0  38.25  43.5
 RE GRIDCART CART1 ELEV  11  6.6  29.8  53.0  56.0  59.0  39.45  19.9  19.45
 RE GRIDCART CART1 ELEV  11  19.0  21.5  24.0  22.15  20.3  28.15  36.0  38.0
 RE GRIDCART CART1 ELEV  11  40.0  32.0  24.0  40.0  56.0
 RE GRIDCART CART1 ELEV  12  8.9  21.2  33.5  35.0  36.5  28.85  21.2  18.9  16.6
 RE GRIDCART CART1 ELEV  12  19.17  21.75  24.95  28.15  42.58  57.0  57.0  57.0
 RE GRIDCART CART1 ELEV  12  52.25  47.5  54.5  61.5
 RE GRIDCART CART1 ELEV  13  11.2  12.6  14.0  14.0  14.0  18.25  22.5  18.35
 RE GRIDCART CART1 ELEV  13  14.2  16.85  19.5  27.75  36.0  57.0  78.0  76.0
 RE GRIDCART CART1 ELEV  13  74.0  72.5  71.0  69.0  67.0
 RE GRIDCART CART1 ELEV  14  9.1  10.27  11.45  12.1  12.75  15.73  18.7  18.65
 RE GRIDCART CART1 ELEV  14  18.6  20.92  23.25  31.38  39.5  51.0  62.5  70.5
 RE GRIDCART CART1 ELEV  14  78.5  83.82  89.15  90.07  91.0
 RE GRIDCART CART1 ELEV  15  7.0  7.95  8.9  10.2  11.5  13.2  14.9  18.95  23.0
 RE GRIDCART CART1 ELEV  15  25.0  27.0  35.0  43.0  45.0  47.0  65.0  83.0  95.15
 RE GRIDCART CART1 ELEV  15  107.3  111.15  115.0
 RE GRIDCART CART1 ELEV  16  6.85  7.53  8.2  8.7  9.2  15.82  22.45  29.23  36.0
 RE GRIDCART CART1 ELEV  16  35.75  35.5  39.5  43.5  54.5  65.5  79.5  93.5
 RE GRIDCART CART1 ELEV  16  95.57  97.65  103.07  108.5
 RE GRIDCART CART1 ELEV  17  6.7  7.1  7.5  7.2  6.9  18.45  30.0  39.5  49.0
 RE GRIDCART CART1 ELEV  17  46.5  44.0  44.0  44.0  64.0  84.0  94.0  104.0
 RE GRIDCART CART1 ELEV  17  96.0  88.0  95.0  102.0
 RE GRIDCART CART1 ELEV  18  5.1  6.05  7.0  8.15  9.3  15.43  21.55  28.02  34.5
 RE GRIDCART CART1 ELEV  18  44.5  54.5  55.5  56.5  66.0  75.5  83.0  90.5  77.0
 RE GRIDCART CART1 ELEV  18  63.5  70.25  77.0
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 RE GRIDCART CART1 ELEV  19  3.5  5.0  6.5  9.1  11.7  12.4  13.1  16.55  20.0
 RE GRIDCART CART1 ELEV  19  42.5  65.0  67.0  69.0  68.0  67.0  72.0  77.0  58.0
 RE GRIDCART CART1 ELEV  19  39.0  45.5  52.0
 RE GRIDCART CART1 ELEV  20  4.55  5.25  5.95  8.35  10.75  12.4  14.05  16.77
 RE GRIDCART CART1 ELEV  20  19.5  32.75  46.0  55.75  65.5  60.75  56.0  61.75
 RE GRIDCART CART1 ELEV  20  67.5  53.25  39.0  44.5  50.0
 RE GRIDCART CART1 ELEV  21  5.6  5.5  5.4  7.6  9.8  12.4  15.0  17.0  19.0
 RE GRIDCART CART1 ELEV  21  23.0  27.0  44.5  62.0  53.5  45.0  51.5  58.0  48.5
 RE GRIDCART CART1 ELEV  21  39.0  43.5  48.0
 RE GRIDCART CART1 FLAG  1  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  1  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  1  1.4
 RE GRIDCART CART1 FLAG  2  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  2  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  2  1.4
 RE GRIDCART CART1 FLAG  3  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  3  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  3  1.4
 RE GRIDCART CART1 FLAG  4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  4  1.4
 RE GRIDCART CART1 FLAG  5  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  5  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  5  1.4
 RE GRIDCART CART1 FLAG  6  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  6  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  6  1.4
 RE GRIDCART CART1 FLAG  7  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  7  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  7  1.4
 RE GRIDCART CART1 FLAG  8  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  8  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  8  1.4
 RE GRIDCART CART1 FLAG  9  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  9  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  9  1.4
 RE GRIDCART CART1 FLAG  10  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  10  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  10  1.4
 RE GRIDCART CART1 FLAG  11  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  11  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  11  1.4
 RE GRIDCART CART1 FLAG  12  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  12  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  12  1.4
 RE GRIDCART CART1 FLAG  13  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  13  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  13  1.4
 RE GRIDCART CART1 FLAG  14  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  14  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  14  1.4
 RE GRIDCART CART1 FLAG  15  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  15  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  15  1.4
 RE GRIDCART CART1 FLAG  16  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  16  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  16  1.4
 RE GRIDCART CART1 FLAG  17  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  17  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  17  1.4
 RE GRIDCART CART1 FLAG  18  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  18  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  18  1.4
 RE GRIDCART CART1 FLAG  19  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  19  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  19  1.4
 RE GRIDCART CART1 FLAG  20  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  20  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  20  1.4
 RE GRIDCART CART1 FLAG  21  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  21  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4  1.4
 RE GRIDCART CART1 FLAG  21  1.4
 RE GRIDCART CART1 END
 RE GRIDCART CART2 STA
 RE GRIDCART CART2 XYINC  830450  21  50  841770  21  50
 RE GRIDCART CART2 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
 RE GRIDCART CART2 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
 RE GRIDCART CART2 ELEV  1  5.5  5.5
 RE GRIDCART CART2 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
 RE GRIDCART CART2 ELEV  2  5.45  4.8  5.18  5.55  5.3  5.05  4.97  4.9  5.25
 RE GRIDCART CART2 ELEV  2  5.6  5.6  5.6
 RE GRIDCART CART2 ELEV  3  9.2  7.4  5.6  6.55  7.5  7.5  7.5  7.5  7.5  6.2
 RE GRIDCART CART2 ELEV  3  4.9  4.9  4.9  5.05  5.2  5.2  5.2  5.45  5.7  5.7
 RE GRIDCART CART2 ELEV  3  5.7
 RE GRIDCART CART2 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
 RE GRIDCART CART2 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
 RE GRIDCART CART2 ELEV  4  6.35  6.35  6.35
 RE GRIDCART CART2 ELEV  5  40.0  35.5  31.0  22.05  13.1  9.8  6.5  6.15  5.8
 RE GRIDCART CART2 ELEV  5  5.5  5.2  5.3  5.4  5.85  6.3  6.65  7.0  7.0  7.0
 RE GRIDCART CART2 ELEV  5  7.0  7.0
 RE GRIDCART CART2 ELEV  6  24.5  26.75  29.0  25.02  21.05  19.4  17.75  16.33
 RE GRIDCART CART2 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
 RE GRIDCART CART2 ELEV  6  14.48  18.5  16.0  13.5
 RE GRIDCART CART2 ELEV  7  9.0  18.0  27.0  28.0  29.0  29.0  29.0  26.5  24.0
 RE GRIDCART CART2 ELEV  7  17.3  10.6  13.8  17.0  13.45  9.9  11.9  13.9  21.95
 RE GRIDCART CART2 ELEV  7  30.0  25.0  20.0
 RE GRIDCART CART2 ELEV  8  8.85  19.17  29.5  31.75  34.0  31.5  29.0  26.75
 RE GRIDCART CART2 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
 RE GRIDCART CART2 ELEV  8  14.4  25.2  36.0  30.75  25.5
 RE GRIDCART CART2 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
 RE GRIDCART CART2 ELEV  9  17.8  10.6  13.8  17.0  18.5  20.0  17.45  14.9
 RE GRIDCART CART2 ELEV  9  28.45  42.0  36.5  31.0
 RE GRIDCART CART2 ELEV  10  7.65  25.08  42.5  45.75  49.0  36.72  24.45  23.23
 RE GRIDCART CART2 ELEV  10  22.0  19.65  17.3  17.98  18.65  23.33  28.0  27.73
 RE GRIDCART CART2 ELEV  10  27.45  30.23  33.0  38.25  43.5
 RE GRIDCART CART2 ELEV  11  6.6  29.8  53.0  56.0  59.0  39.45  19.9  19.45
 RE GRIDCART CART2 ELEV  11  19.0  21.5  24.0  22.15  20.3  28.15  36.0  38.0
 RE GRIDCART CART2 ELEV  11  40.0  32.0  24.0  40.0  56.0
 RE GRIDCART CART2 ELEV  12  8.9  21.2  33.5  35.0  36.5  28.85  21.2  18.9  16.6
 RE GRIDCART CART2 ELEV  12  19.17  21.75  24.95  28.15  42.58  57.0  57.0  57.0
 RE GRIDCART CART2 ELEV  12  52.25  47.5  54.5  61.5
 RE GRIDCART CART2 ELEV  13  11.2  12.6  14.0  14.0  14.0  18.25  22.5  18.35
 RE GRIDCART CART2 ELEV  13  14.2  16.85  19.5  27.75  36.0  57.0  78.0  76.0
 RE GRIDCART CART2 ELEV  13  74.0  72.5  71.0  69.0  67.0
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RE GRIDCART CART2 ELEV  14  9.1  10.27  11.45  12.1  12.75  15.73  18.7  18.65
RE GRIDCART CART2 ELEV  14  18.6  20.92  23.25  31.38  39.5  51.0  62.5  70.5
RE GRIDCART CART2 ELEV  14  78.5  83.82  89.15  90.07  91.0
RE GRIDCART CART2 ELEV  15  7.0  7.95  8.9  10.2  11.5  13.2  14.9  18.95  23.0
RE GRIDCART CART2 ELEV  15  25.0  27.0  35.0  43.0  45.0  47.0  65.0  83.0  95.15
RE GRIDCART CART2 ELEV  15  107.3  111.15  115.0
RE GRIDCART CART2 ELEV  16  6.85  7.53  8.2  8.7  9.2  15.82  22.45  29.23  36.0
RE GRIDCART CART2 ELEV  16  35.75  35.5  39.5  43.5  54.5  65.5  79.5  93.5
RE GRIDCART CART2 ELEV  16  95.57  97.65  103.07  108.5
RE GRIDCART CART2 ELEV  17  6.7  7.1  7.5  7.2  6.9  18.45  30.0  39.5  49.0
RE GRIDCART CART2 ELEV  17  46.5  44.0  44.0  44.0  64.0  84.0  94.0  104.0
RE GRIDCART CART2 ELEV  17  96.0  88.0  95.0  102.0
RE GRIDCART CART2 ELEV  18  5.1  6.05  7.0  8.15  9.3  15.43  21.55  28.02  34.5
RE GRIDCART CART2 ELEV  18  44.5  54.5  55.5  56.5  66.0  75.5  83.0  90.5  77.0
RE GRIDCART CART2 ELEV  18  63.5  70.25  77.0
RE GRIDCART CART2 ELEV  19  3.5  5.0  6.5  9.1  11.7  12.4  13.1  16.55  20.0
RE GRIDCART CART2 ELEV  19  42.5  65.0  67.0  69.0  68.0  67.0  72.0  77.0  58.0
RE GRIDCART CART2 ELEV  19  39.0  45.5  52.0
RE GRIDCART CART2 ELEV  20  4.55  5.25  5.95  8.35  10.75  12.4  14.05  16.77
RE GRIDCART CART2 ELEV  20  19.5  32.75  46.0  55.75  65.5  60.75  56.0  61.75
RE GRIDCART CART2 ELEV  20  67.5  53.25  39.0  44.5  50.0
RE GRIDCART CART2 ELEV  21  5.6  5.5  5.4  7.6  9.8  12.4  15.0  17.0  19.0
RE GRIDCART CART2 ELEV  21  23.0  27.0  44.5  62.0  53.5  45.0  51.5  58.0  48.5
RE GRIDCART CART2 ELEV  21  39.0  43.5  48.0
RE GRIDCART CART2 FLAG  1  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  1  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  1  4.4
RE GRIDCART CART2 FLAG  2  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  2  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  2  4.4
RE GRIDCART CART2 FLAG  3  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  3  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  3  4.4
RE GRIDCART CART2 FLAG  4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  4  4.4
RE GRIDCART CART2 FLAG  5  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  5  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  5  4.4
RE GRIDCART CART2 FLAG  6  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  6  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  6  4.4
RE GRIDCART CART2 FLAG  7  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
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RE GRIDCART CART2 FLAG  7  4.4
RE GRIDCART CART2 FLAG  8  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  8  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  8  4.4
RE GRIDCART CART2 FLAG  9  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  9  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  9  4.4
RE GRIDCART CART2 FLAG  10  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
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RE GRIDCART CART2 FLAG  10  4.4
RE GRIDCART CART2 FLAG  11  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
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RE GRIDCART CART2 FLAG  16  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  16  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  16  4.4
RE GRIDCART CART2 FLAG  17  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  17  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
RE GRIDCART CART2 FLAG  17  4.4
RE GRIDCART CART2 FLAG  18  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
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RE GRIDCART CART2 FLAG  18  4.4
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RE GRIDCART CART2 FLAG  20  4.4
RE GRIDCART CART2 FLAG  21  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4  4.4
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RE GRIDCART CART2 FLAG  21  4.4
RE GRIDCART CART2 END
RE GRIDCART CART3 STA
RE GRIDCART CART3 XYINC  830450  21  50  841770  21  50
RE GRIDCART CART3 ELEV  1  7.4  7.45  7.5  7.85  8.2  7.85  7.5  6.1  4.7  4.7
RE GRIDCART CART3 ELEV  1  4.7  5.45  6.2  5.55  4.9  4.75  4.6  5.05  5.5
RE GRIDCART CART3 ELEV  1  5.5  5.5
RE GRIDCART CART3 ELEV  2  8.3  7.43  6.55  7.2  7.85  7.68  7.5  6.8  6.1
RE GRIDCART CART3 ELEV  2  5.45  4.8  5.18  5.55  5.3  5.05  4.97  4.9  5.25
RE GRIDCART CART3 ELEV  2  5.6  5.6  5.6
RE GRIDCART CART3 ELEV  3  9.2  7.4  5.6  6.55  7.5  7.5  7.5  7.5  7.5  6.2
RE GRIDCART CART3 ELEV  3  4.9  4.9  4.9  5.05  5.2  5.2  5.2  5.45  5.7  5.7
RE GRIDCART CART3 ELEV  3  5.7
RE GRIDCART CART3 ELEV  4  24.6  21.45  18.3  14.3  10.3  8.65  7.0  6.82  6.65
RE GRIDCART CART3 ELEV  4  5.85  5.05  5.1  5.15  5.45  5.75  5.93  6.1  6.22
RE GRIDCART CART3 ELEV  4  6.35  6.35  6.35
RE GRIDCART CART3 ELEV  5  40.0  35.5  31.0  22.05  13.1  9.8  6.5  6.15  5.8
RE GRIDCART CART3 ELEV  5  5.5  5.2  5.3  5.4  5.85  6.3  6.65  7.0  7.0  7.0
RE GRIDCART CART3 ELEV  5  7.0  7.0
RE GRIDCART CART3 ELEV  6  24.5  26.75  29.0  25.02  21.05  19.4  17.75  16.33
RE GRIDCART CART3 ELEV  6  14.9  11.4  7.9  9.55  11.2  9.65  8.1  9.27  10.45
RE GRIDCART CART3 ELEV  6  14.48  18.5  16.0  13.5
RE GRIDCART CART3 ELEV  7  9.0  18.0  27.0  28.0  29.0  29.0  29.0  26.5  24.0
RE GRIDCART CART3 ELEV  7  17.3  10.6  13.8  17.0  13.45  9.9  11.9  13.9  21.95
RE GRIDCART CART3 ELEV  7  30.0  25.0  20.0
RE GRIDCART CART3 ELEV  8  8.85  19.17  29.5  31.75  34.0  31.5  29.0  26.75
RE GRIDCART CART3 ELEV  8  24.5  17.55  10.6  13.8  17.0  15.98  14.95  14.68
RE GRIDCART CART3 ELEV  8  14.4  25.2  36.0  30.75  25.5
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RE GRIDCART CART3 ELEV  9  8.7  20.35  32.0  35.5  39.0  34.0  29.0  27.0  25.0
RE GRIDCART CART3 ELEV  9  17.8  10.6  13.8  17.0  18.5  20.0  17.45  14.9
RE GRIDCART CART3 ELEV  9  28.45  42.0  36.5  31.0
RE GRIDCART CART3 ELEV  10  7.65  25.08  42.5  45.75  49.0  36.72  24.45  23.23
RE GRIDCART CART3 ELEV  10  22.0  19.65  17.3  17.98  18.65  23.33  28.0  27.73
RE GRIDCART CART3 ELEV  10  27.45  30.23  33.0  38.25  43.5
RE GRIDCART CART3 ELEV  11  6.6  29.8  53.0  56.0  59.0  39.45  19.9  19.45
RE GRIDCART CART3 ELEV  11  19.0  21.5  24.0  22.15  20.3  28.15  36.0  38.0
RE GRIDCART CART3 ELEV  11  40.0  32.0  24.0  40.0  56.0
RE GRIDCART CART3 ELEV  12  8.9  21.2  33.5  35.0  36.5  28.85  21.2  18.9  16.6
RE GRIDCART CART3 ELEV  12  19.17  21.75  24.95  28.15  42.58  57.0  57.0  57.0
RE GRIDCART CART3 ELEV  12  52.25  47.5  54.5  61.5
RE GRIDCART CART3 ELEV  13  11.2  12.6  14.0  14.0  14.0  18.25  22.5  18.35
RE GRIDCART CART3 ELEV  13  14.2  16.85  19.5  27.75  36.0  57.0  78.0  76.0
RE GRIDCART CART3 ELEV  13  74.0  72.5  71.0  69.0  67.0
RE GRIDCART CART3 ELEV  14  9.1  10.27  11.45  12.1  12.75  15.73  18.7  18.65
RE GRIDCART CART3 ELEV  14  18.6  20.92  23.25  31.38  39.5  51.0  62.5  70.5
RE GRIDCART CART3 ELEV  14  78.5  83.82  89.15  90.07  91.0
RE GRIDCART CART3 ELEV  15  7.0  7.95  8.9  10.2  11.5  13.2  14.9  18.95  23.0
RE GRIDCART CART3 ELEV  15  25.0  27.0  35.0  43.0  45.0  47.0  65.0  83.0  95.15
RE GRIDCART CART3 ELEV  15  107.3  111.15  115.0
RE GRIDCART CART3 ELEV  16  6.85  7.53  8.2  8.7  9.2  15.82  22.45  29.23  36.0
RE GRIDCART CART3 ELEV  16  35.75  35.5  39.5  43.5  54.5  65.5  79.5  93.5
RE GRIDCART CART3 ELEV  16  95.57  97.65  103.07  108.5
RE GRIDCART CART3 ELEV  17  6.7  7.1  7.5  7.2  6.9  18.45  30.0  39.5  49.0
RE GRIDCART CART3 ELEV  17  46.5  44.0  44.0  44.0  64.0  84.0  94.0  104.0
RE GRIDCART CART3 ELEV  17  96.0  88.0  95.0  102.0
RE GRIDCART CART3 ELEV  18  5.1  6.05  7.0  8.15  9.3  15.43  21.55  28.02  34.5
RE GRIDCART CART3 ELEV  18  44.5  54.5  55.5  56.5  66.0  75.5  83.0  90.5  77.0
RE GRIDCART CART3 ELEV  18  63.5  70.25  77.0
RE GRIDCART CART3 ELEV  19  3.5  5.0  6.5  9.1  11.7  12.4  13.1  16.55  20.0
RE GRIDCART CART3 ELEV  19  42.5  65.0  67.0  69.0  68.0  67.0  72.0  77.0  58.0
RE GRIDCART CART3 ELEV  19  39.0  45.5  52.0
RE GRIDCART CART3 ELEV  20  4.55  5.25  5.95  8.35  10.75  12.4  14.05  16.77
RE GRIDCART CART3 ELEV  20  19.5  32.75  46.0  55.75  65.5  60.75  56.0  61.75
RE GRIDCART CART3 ELEV  20  67.5  53.25  39.0  44.5  50.0
RE GRIDCART CART3 ELEV  21  5.6  5.5  5.4  7.6  9.8  12.4  15.0  17.0  19.0
RE GRIDCART CART3 ELEV  21  23.0  27.0  44.5  62.0  53.5  45.0  51.5  58.0  48.5
RE GRIDCART CART3 ELEV  21  39.0  43.5  48.0
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  1  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  2  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  2  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  3  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  3  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  5  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  6  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  7  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  8  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  9  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  11  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  12  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
RE GRIDCART CART3 FLAG  12  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  13  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  15  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4  13.4
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RE GRIDCART CART3 FLAG  21  13.4  13.4  13.4
RE GRIDCART CART3 END
RE DISCCART  830944.0  842198.0  18.5  1.4
** RCPDESCR  A1a-Hung Kiu San Tsuen
RE DISCCART  830944.0  842198.0  18.5  4.4
** RCPDESCR  A1a-Hung Kiu San Tsuen
RE DISCCART  830955.0  842096.0  12  1.4
** RCPDESCR  A1b-Hung Kiu San Tsuen
RE DISCCART  830955.0  842096.0  12  4.4
** RCPDESCR  A1b-Hung Kiu San Tsuen
RE DISCCART  831175.0  842043.0  4.1  1.4
** RCPDESCR  A2-Tin Hau Temple
RE DISCCART  830787.0  842729.0  28.1  1.4
```

```
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  4.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  7.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  10.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830787.0  842729.0  28.1  13.4
** RCPDESCR  A3-Police Headquarter
RE DISCCART  830592.0  842499.0  10.6  1.4
** RCPDESCR  A4-Sha Ling Police Post
RE DISCCART  830856.0  842030.0  12.3  1.4
** RCPDESCR  A5a-Lee Ka Yuen
RE DISCCART  830856.0  842030.0  12.3  4.4
** RCPDESCR  A5a-Lee Ka Yuen
RE DISCCART  830794.0  841940.0  12.3  1.4
** RCPDESCR  A5b-Lee Ka Yuen
RE DISCCART  830794.0  841940.0  12.3  4.4
** RCPDESCR  A5b-Lee Ka Yuen
RE DISCCART  830733.0  842013.0  17  1.4
** RCPDESCR  A5c-Lee Ka Yuen
RE DISCCART  830733.0  842013.0  17  4.4
** RCPDESCR  A5c-Lee Ka Yuen
RE DISCCART  830668.0  842399.0  13.8  1.4
** RCPDESCR  A6a-Village House 1
RE DISCCART  830611.0  842391.0  13.8  1.4
** RCPDESCR  A6b-Village House 2
RE DISCCART  830730.4  842441.0  19  1.4
** RCPDESCR  A7-Village House 3
RE DISCCART  830761.3  842315.0  14.1  1.4
** RCPDESCR  A8-Village House 4
RE DISCCART  830788.0  842182.0  14.2  1.4
** RCPDESCR  A9-Village House 5
RE DISCCART  830980.0  842042.0  10.5  1.4
** RCPDESCR  A10-Village House 6
RE DISCCART  830980.0  842042.0  10.5  4.4
** RCPDESCR  A10-Village House 6
RE DISCCART  830999.0  842008.0  10.5  1.4
** RCPDESCR  A11-Village House 7
RE DISCCART  831342.0  842511.0  135  1.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  4.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  7.4
** RCPDESCR  G/IC1
RE DISCCART  831342.0  842511.0  135  10.4
** RCPDESCR  G/IC1
RE DISCCART  830780.0  842653.0  18  1.4
** RCPDESCR  G/IC2
RE DISCCART  830780.0  842653.0  18  4.4
** RCPDESCR  G/IC2
RE FINISHED

ME STARTING
ME INPUTFIL  D:\PROJECTS\EA01452\S2\TKL07.ASC
ME ANEMHGHT  15.0  METERS
ME SURFDATA  99999  2007
ME UAIRDATA  99999  2007
ME STARTEND  2007  01  01  1  2007  12  31  24
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU RECTABLE  24  FIRST
OU RECTABLE  ALLAVE  FIRST
OU PLOTFILE  1  ALL  FIRST  D:\PROJECTS\EA01452\S2\NOXH.OUT
OU PLOTFILE  24  ALL  FIRST  D:\PROJECTS\EA01452\S2\NOXD.OUT
OU PLOTFILE  ANNUAL  ALL  D:\PROJECTS\EA01452\S2\NOXA.OUT
OU FINISHED


 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of           0 Fatal Error Message(s)
A Total of           1 Warning Message(s)
A Total of           0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W205    17 FLAGDF:No Option Parameter Setting.  Forced by Default to ZFLAG=0.

***********************************
*** SETUP Finishes Successfully ***
***********************************

 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        10:00:00
                                                                                                                       PAGE   1
**MODELOPTs: CONC                        RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                                      ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

  --  SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE = F
**Model Uses NO WET DEPLETION.  WDPLETE = F
**NO WET SCAVENGING Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses RURAL Dispersion.

**Model Uses User-Specified Options:
          1. Gradual Plume Rise.
          2. Stack-tip Downwash.
```



```
          3. Buoyancy-induced Dispersion.
          4. Not Use Calms Processing Routine.
          5. Missing Data Processing Routine.
          6. Default Wind Profile Exponents.
          7. Default Vertical Potential Temperature Gradients.

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
    and Calculates ANNUAL Averages

**This Run Includes:    6 Source(s);      1 Source Group(s); and   1354 Receptor(s)

**The Model Assumes A Pollutant Type of:  NOX

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
        Model Outputs Tables of ANNUAL Averages by Receptor
        Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Anem. Hgt. (m) =    15.00 ;    Decay Coef. =    .0000     ;    Rot. Angle =     .0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate Unit Factor =    .10000E+07
                 Output Units   = MICROGRAMS/M**3

**Input Runstream File: D:\PROJECTS\EA01452\S2\NOX.DAT          ;  **Output Print File: D:\PROJECTS\EA01452\S2\NOX.LST
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        10:00:00
                                                                                                                       PAGE   2
**MODELOPTs: CONC                        RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO


                                                *** POINT SOURCE DATA ***

                NUMBER EMISSION RATE                    BASE     STACK   STACK    STACK     STACK    BUILDING EMISSION RATE
   SOURCE       PART.  (USER UNITS)      X         Y     ELEV.    HEIGHT  TEMP.   EXIT VEL. DIAMETER   EXISTS   SCALAR VARY
     ID         CATS.                 (METERS)  (METERS) (METERS) (METERS) (DEG.K)  (M/SEC)  (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  P1A            0    .41200E-01  830935.2  842278.6    19.6    25.00   475.00     6.00      .20      NO
  P1B            0    .41200E-01  830935.2  842278.6    19.6    25.00   475.00     6.00      .20      NO
  P2             0    .23300E-01  830910.0  842390.0     7.0    13.00   673.00     6.00      .28      NO       HROFDY
  P3             0    .12000E-01  830911.0  842389.0     7.0    13.00   673.00     6.00      .28      NO       HROFDY
  P4             0    .15200E+00  830911.0  842380.0     6.4    15.60   673.00     6.00      .36      NO       HROFDY
  P5             0    .94700E-01  830911.0  842380.0     6.4    15.60   673.00     6.00      .36      NO       HROFDY
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        10:00:00
                                                                                                                       PAGE   3
**MODELOPTs: CONC                        RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID                                              SOURCE IDs


 ALL       P1A     , P1B     , P2      , P3      , P4      , P5      ,
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        10:00:00
                                                                                                                       PAGE   4
**MODELOPTs: CONC                        RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO

                        * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

    HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR      HOUR    SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = P2       ;  SOURCE TYPE = POINT    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = P3       ;  SOURCE TYPE = POINT    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = P4       ;  SOURCE TYPE = POINT    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01


SOURCE ID = P5       ;  SOURCE TYPE = POINT    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      6   .10000E+01
      7   .10000E+01      8   .10000E+01      9   .10000E+01     10   .10000E+01     11   .10000E+01     12   .10000E+01
     13   .10000E+01     14   .10000E+01     15   .10000E+01     16   .10000E+01     17   .10000E+01     18   .10000E+01
     19   .10000E+01     20   .10000E+01     21   .10000E+01     22   .10000E+01     23   .10000E+01     24   .10000E+01

 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui            ***        05/06/09
                                   ***                                                                      ***        10:00:00
                                                                                                                       PAGE   5
**MODELOPTs: CONC                        RURAL  ELEV   FLGPOL        GRDRIS              NOCALM MSGPRO


                                          *** GRIDDED RECEPTOR NETWORK SUMMARY ***
```

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.00	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00
841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45
841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	4.70	5.45	6.20	5.55	4.90	4.75	4.60	5.05

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00
842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00
842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842720.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842670.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842620.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842570.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842520.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842470.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842420.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842370.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842320.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842270.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842220.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842170.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842120.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842070.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842020.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841970.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841920.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841870.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841820.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842720.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842670.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842620.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842570.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842520.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842470.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842420.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842370.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842320.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842270.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842220.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842170.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842120.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842070.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
842020.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841970.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841920.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841870.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841820.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
841770.00	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	1.40	1.40	1.40
842720.00	1.40	1.40	1.40
842670.00	1.40	1.40	1.40
842620.00	1.40	1.40	1.40
842570.00	1.40	1.40	1.40
842520.00	1.40	1.40	1.40
842470.00	1.40	1.40	1.40
842420.00	1.40	1.40	1.40
842370.00	1.40	1.40	1.40
842320.00	1.40	1.40	1.40
842270.00	1.40	1.40	1.40
842220.00	1.40	1.40	1.40
842170.00	1.40	1.40	1.40
842120.00	1.40	1.40	1.40
842070.00	1.40	1.40	1.40
842020.00	1.40	1.40	1.40
841970.00	1.40	1.40	1.40
841920.00	1.40	1.40	1.40
841870.00	1.40	1.40	1.40
841820.00	1.40	1.40	1.40
841770.00	1.40	1.40	1.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.00	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00
841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45
841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	4.70	5.45	6.20	5.55	4.90	4.75	4.60	5.05

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00
842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00

842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842720.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842670.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842620.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842570.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842520.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842470.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842420.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842370.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842320.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842270.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842220.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842170.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842120.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842070.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842020.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841970.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841920.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841870.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841820.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842720.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842670.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842620.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842570.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842520.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842470.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842420.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842370.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842320.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842270.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842220.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842170.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842120.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842070.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
842020.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841970.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841920.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841870.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841820.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
841770.00	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	4.40	4.40	4.40
842720.00	4.40	4.40	4.40
842670.00	4.40	4.40	4.40
842620.00	4.40	4.40	4.40
842570.00	4.40	4.40	4.40
842520.00	4.40	4.40	4.40
842470.00	4.40	4.40	4.40
842420.00	4.40	4.40	4.40
842370.00	4.40	4.40	4.40
842320.00	4.40	4.40	4.40
842270.00	4.40	4.40	4.40
842220.00	4.40	4.40	4.40
842170.00	4.40	4.40	4.40
842120.00	4.40	4.40	4.40
842070.00	4.40	4.40	4.40
842020.00	4.40	4.40	4.40
841970.00	4.40	4.40	4.40
841920.00	4.40	4.40	4.40

841870.00	4.40	4.40	4.40
841820.00	4.40	4.40	4.40
841770.00	4.40	4.40	4.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

830450.0, 830500.0, 830550.0, 830600.0, 830650.0, 830700.0, 830750.0, 830800.0, 830850.0, 830900.0,
830950.0, 831000.0, 831050.0, 831100.0, 831150.0, 831200.0, 831250.0, 831300.0, 831350.0, 831400.0,
831450.0,

*** Y-COORDINATES OF GRID ***
(METERS)

841770.0, 841820.0, 841870.0, 841920.0, 841970.0, 842020.0, 842070.0, 842120.0, 842170.0, 842220.0,
842270.0, 842320.0, 842370.0, 842420.0, 842470.0, 842520.0, 842570.0, 842620.0, 842670.0, 842720.0,
842770.0,

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	5.60	5.50	5.40	7.60	9.80	12.40	15.00	17.00	19.00
842720.00	4.55	5.25	5.95	8.35	10.75	12.40	14.05	16.77	19.50
842670.00	3.50	5.00	6.50	9.10	11.70	12.40	13.10	16.55	20.00
842620.00	5.10	6.05	7.00	8.15	9.30	15.43	21.55	28.02	34.50
842570.00	6.70	7.10	7.50	7.20	6.90	18.45	30.00	39.50	49.00
842520.00	6.85	7.53	8.20	8.70	9.20	15.82	22.45	29.23	36.00
842470.00	7.00	7.95	8.90	10.20	11.50	13.20	14.90	18.95	23.00
842420.00	9.10	10.27	11.45	12.10	12.75	15.73	18.70	18.65	18.60
842370.00	11.20	12.60	14.00	14.00	14.00	18.25	22.50	18.35	14.20
842320.00	8.90	21.20	33.50	35.00	36.50	28.85	21.20	18.90	16.60
842270.00	6.60	29.80	53.00	56.00	59.00	39.45	19.90	19.45	19.00
842220.00	7.65	25.08	42.50	45.75	49.00	36.72	24.45	23.23	22.00
842170.00	8.70	20.35	32.00	35.50	39.00	34.00	29.00	27.00	25.00
842120.00	8.85	19.17	29.50	31.75	34.00	31.50	29.00	26.75	24.50
842070.00	9.00	18.00	27.00	28.00	29.00	29.00	29.00	26.50	24.00
842020.00	24.50	26.75	29.00	25.02	21.05	19.40	17.75	16.33	14.90
841970.00	40.00	35.50	31.00	22.05	13.10	9.80	6.50	6.15	5.80
841920.00	24.60	21.45	18.30	14.30	10.30	8.65	7.00	6.82	6.65
841870.00	9.20	7.40	5.60	6.55	7.50	7.50	7.50	7.50	7.50
841820.00	8.30	7.43	6.55	7.20	7.85	7.68	7.50	6.80	6.10
841770.00	7.40	7.45	7.50	7.85	8.20	7.85	7.50	6.10	4.70

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	23.00	27.00	44.50	62.00	53.50	45.00	51.50	58.00	48.50
842720.00	32.75	46.00	55.75	65.50	60.75	56.00	61.75	67.50	53.25
842670.00	42.50	65.00	67.00	69.00	68.00	67.00	72.00	77.00	58.00
842620.00	44.50	54.50	55.50	56.50	66.00	75.50	83.00	90.50	77.00
842570.00	46.50	44.00	44.00	44.00	64.00	84.00	94.00	104.00	96.00
842520.00	35.75	35.50	39.50	43.50	54.50	65.50	79.50	93.50	95.57
842470.00	25.00	27.00	35.00	43.00	45.00	47.00	65.00	83.00	95.15
842420.00	20.92	23.25	31.38	39.50	51.00	62.50	70.50	78.50	83.82
842370.00	16.85	19.50	27.75	36.00	57.00	78.00	76.00	74.00	72.50
842320.00	19.17	21.75	24.95	28.15	42.58	57.00	57.00	57.00	52.25
842270.00	21.50	24.00	22.15	20.30	28.15	36.00	38.00	40.00	32.00
842220.00	19.65	17.30	17.98	18.65	23.33	28.00	27.73	27.45	30.23
842170.00	17.80	10.60	13.80	17.00	18.50	20.00	17.45	14.90	28.45
842120.00	17.55	10.60	13.80	17.00	15.98	14.95	14.68	14.40	25.20
842070.00	17.30	10.60	13.80	17.00	13.45	9.90	11.90	13.90	21.95
842020.00	11.40	7.90	9.55	11.20	9.65	8.10	9.27	10.45	14.48
841970.00	5.50	5.20	5.30	5.40	5.85	6.30	6.65	7.00	7.00
841920.00	5.85	5.05	5.10	5.15	5.45	5.75	5.93	6.10	6.22
841870.00	6.20	4.90	4.90	4.90	5.05	5.20	5.20	5.20	5.45
841820.00	5.45	4.80	5.18	5.55	5.30	5.05	4.97	4.90	5.25
841770.00	4.70	5.45	6.20	5.55	4.90	4.75	4.60		5.05

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	39.00	43.50	48.00
842720.00	39.00	44.50	50.00
842670.00	39.00	45.50	52.00
842620.00	63.50	70.25	77.00

842570.00	88.00	95.00	102.00
842520.00	97.65	103.07	108.50
842470.00	107.30	111.15	115.00
842420.00	89.15	90.07	91.00
842370.00	71.00	69.00	67.00
842320.00	47.50	54.50	61.50
842270.00	24.00	40.00	56.00
842220.00	33.00	38.25	43.50
842170.00	42.00	36.50	31.00
842120.00	36.00	30.75	25.50
842070.00	30.00	25.00	20.00
842020.00	18.50	16.00	13.50
841970.00	7.00	7.00	7.00
841920.00	6.35	6.35	6.35
841870.00	5.70	5.70	5.70
841820.00	5.60	5.60	5.60
841770.00	5.50	5.50	5.50

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842720.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842670.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842620.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842570.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842520.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842470.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842420.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842370.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842320.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842270.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842220.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842170.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842120.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842070.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842020.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841970.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841920.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841870.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841820.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842720.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842670.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842620.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842570.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842520.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842470.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842420.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842370.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842320.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842270.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842220.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842170.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842120.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842070.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
842020.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841970.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841920.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841870.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841820.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40
841770.00	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40	13.40

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	13.40	13.40	13.40
842720.00	13.40	13.40	13.40
842670.00	13.40	13.40	13.40
842620.00	13.40	13.40	13.40
842570.00	13.40	13.40	13.40
842520.00	13.40	13.40	13.40
842470.00	13.40	13.40	13.40
842420.00	13.40	13.40	13.40
842370.00	13.40	13.40	13.40
842320.00	13.40	13.40	13.40
842270.00	13.40	13.40	13.40
842220.00	13.40	13.40	13.40
842170.00	13.40	13.40	13.40

842120.00 |	13.40	13.40	13.40
842070.00 |	13.40	13.40	13.40
842020.00 |	13.40	13.40	13.40
841970.00 |	13.40	13.40	13.40
841920.00 |	13.40	13.40	13.40
841870.00 |	13.40	13.40	13.40
841820.00 |	13.40	13.40	13.40
841770.00 |	13.40	13.40	13.40

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 26

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```
( 830944.0, 842198.0,     18.5,      1.4);         ( 830944.0, 842198.0,     18.5,      4.4);
( 830955.0, 842096.0,     12.0,      1.4);         ( 830955.0, 842096.0,     12.0,      4.4);
( 831175.0, 842043.0,      4.1,      1.4);         ( 830787.0, 842729.0,     28.1,      1.4);
( 830787.0, 842729.0,     28.1,      4.4);         ( 830787.0, 842729.0,     28.1,      7.4);
( 830787.0, 842729.0,     28.1,     10.4);         ( 830787.0, 842729.0,     28.1,     13.4);
( 830592.0, 842499.0,     10.6,      1.4);         ( 830856.0, 842030.0,     12.3,      1.4);
( 830856.0, 842030.0,     12.3,      4.4);         ( 830794.0, 841940.0,     12.3,      1.4);
( 830794.0, 841940.0,     12.3,      4.4);         ( 830733.0, 842013.0,     17.0,      1.4);
( 830733.0, 842013.0,     17.0,      4.4);         ( 830668.0, 842399.0,     13.8,      1.4);
( 830611.0, 842391.0,     13.8,      1.4);         ( 830730.4, 842441.0,     19.0,      1.4);
( 830761.3, 842315.0,     14.1,      1.4);         ( 830788.0, 842182.0,     14.2,      1.4);
( 830980.0, 842042.0,     10.5,      1.4);         ( 830980.0, 842042.0,     10.5,      4.4);
( 830999.0, 842008.0,     10.5,      1.4);         ( 831342.0, 842511.0,    135.0,      1.4);
( 831342.0, 842511.0,    135.0,      4.4);         ( 831342.0, 842511.0,    135.0,      7.4);
( 831342.0, 842511.0,    135.0,     10.4);         ( 830780.0, 842653.0,     18.0,      1.4);
( 830780.0, 842653.0,     18.0,      4.4);
```

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 27

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 7 1 1 1
AND END DATE: 7 12 31 24

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
B	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01	.70000E-01
C	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
D	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
E	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
F	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 28

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: D:\PROJECTS\EA01452\S2\TKL07.ASC FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 99999 UPPER AIR STATION NO.: 99999
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 2007 YEAR: 2007

YEAR	MONTH	DAY	HOUR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
7	1	1	1	301.0	1.10	290.0	6	736.4	172.0	.0000	.0	.0000	0	.00
7	1	1	2	317.0	1.20	289.6	6	731.5	172.0	.0000	.0	.0000	0	.00
7	1	1	3	342.0	.90	288.6	6	726.6	172.0	.0000	.0	.0000	0	.00
7	1	1	4	179.0	.20	287.1	6	721.6	172.0	.0000	.0	.0000	0	.00
7	1	1	5	6.0	.40	286.2	6	716.7	172.0	.0000	.0	.0000	0	.00
7	1	1	6	320.0	.40	285.8	6	711.8	172.0	.0000	.0	.0000	0	.00
7	1	1	7	360.0	.60	285.3	6	706.8	172.0	.0000	.0	.0000	0	.00
7	1	1	8	95.0	.20	285.6	6	91.9	240.4	.0000	.0	.0000	0	.00
7	1	1	9	154.0	.80	287.8	4	188.6	312.4	.0000	.0	.0000	0	.00
7	1	1	10	84.0	.70	291.9	2	285.4	384.4	.0000	.0	.0000	0	.00
7	1	1	11	268.0	3.10	294.1	3	382.1	456.3	.0000	.0	.0000	0	.00
7	1	1	12	270.0	3.20	295.4	2	478.8	528.3	.0000	.0	.0000	0	.00
7	1	1	13	295.0	3.10	296.7	2	575.6	600.3	.0000	.0	.0000	0	.00
7	1	1	14	286.0	3.40	296.3	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	15	287.0	2.70	296.2	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	16	303.0	2.30	295.7	2	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	17	308.0	2.30	294.8	4	672.3	672.3	.0000	.0	.0000	0	.00
7	1	1	18	304.0	2.90	292.6	6	670.7	662.7	.0000	.0	.0000	0	.00
7	1	1	19	319.0	2.10	291.2	6	659.7	598.7	.0000	.0	.0000	0	.00
7	1	1	20	321.0	1.50	290.8	6	648.7	534.7	.0000	.0	.0000	0	.00
7	1	1	21	344.0	1.50	290.6	6	637.8	470.8	.0000	.0	.0000	0	.00
7	1	1	22	338.0	1.10	290.5	6	626.8	406.8	.0000	.0	.0000	0	.00
7	1	1	23	313.0	1.40	290.3	6	615.9	342.8	.0000	.0	.0000	0	.00
7	1	1	24	360.0	1.20	290.4	6	604.9	278.8	.0000	.0	.0000	0	.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 29

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00 |	.40432	.34830	.28444	.26948	.25524	.24681	.28671	.39196	.44802
842720.00 |	.47021	.44101	.39456	.36313	.34443	.30515	.28694	.38900	.52045
842670.00 |	.55706	.55604	.54041	.53786	.49190	.40388	.32562	.39545	.62006
842620.00 |	.74343	.75442	.74136	.70379	.63031	.72217	1.03362	2.15204	4.92081
842570.00 |	.93355	.98630	1.00248	.92538	.78345	1.58656	4.42695	7.54364	9.04262
842520.00 |	.94351	1.08502	1.23321	1.33846	1.35438	2.07616	3.55128	4.57713	8.93511
842470.00 |	.85770	1.01824	1.22561	1.52817	1.92119	2.43392	2.79226	3.53744	2.64379
842420.00 |	.81493	.97801	1.19458	1.44613	1.78684	2.75801	4.88997	6.70962	5.55439
842370.00 |	.71826	.85781	1.04112	1.17956	1.35124	2.19528	4.26416	3.13133	.66668
842320.00 |	.48816	1.28407	3.99440	4.84591	5.55376	3.01025	1.40742	.77659	.50510
842270.00 |	.33952	2.01333	4.34158	4.40675	4.42062	3.23393	.58769	.73441	2.22094
842220.00 |	.22512	.96389	2.47924	2.98037	3.15340	2.60731	.89085	1.75245	3.23533
842170.00 |	.16300	.37558	1.25130	1.65006	2.08510	1.90786	1.61928	2.30241	3.31836
842120.00 |	.12503	.26782	.85135	1.13958	1.57842	1.65216	1.84368	2.43542	2.94455
842070.00 |	.10631	.21136	.62844	.80654	1.09467	1.49684	1.87806	2.26048	2.59114
842020.00 |	.49867	.61574	.80613	.69151	.61136	.75036	.85036	.99669	1.05270
841970.00 |	1.05493	1.09339	.91511	.69494	.39387	.41285	.41535	.49461	.52116
841920.00 |	.55452	.34615	.31266	.34686	.35567	.39209	.42543	.50258	.51809
841870.00 |	.11029	.13162	.17767	.24830	.31309	.36696	.43395	.50168	.51150
841820.00 |	.12143	.16576	.21445	.26853	.32300	.36714	.42860	.45996	.44493
841770.00 |	.14308	.19452	.24163	.28422	.32727	.36902	.42076	.42221	.39110

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 30

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00 |	.95649	1.18621	3.00550	3.42186	3.60501	2.93748	2.82127	2.39824	2.17293
842720.00 |	3.03596	4.71024	4.05092	3.97180	3.65316	3.43754	2.69728	2.33818	2.05743
842670.00 |	5.50254	5.34227	4.89917	4.34713	3.96358	3.28774	2.80895	2.14400	1.99001
842620.00 |	6.46417	6.61163	5.68955	5.10513	4.28337	3.39200	2.57521	2.07021	1.70674
842570.00 |	8.67830	5.20012	6.25362	5.23716	4.35576	3.20491	2.37522	1.91854	1.70192
842520.00 |	8.76596	6.65206	6.86587	5.39301	4.15649	2.96137	2.47812	1.86479	1.58461
842470.00 |	2.27124	2.96105	6.14400	4.81029	3.74572	2.90188	2.31771	1.82204	1.55229
842420.00 |	2.35453	4.91145	3.76147	4.36378	3.75060	2.77355	2.25516	1.82654	1.55808
842370.00 |	.27066	.91612	1.96072	3.37181	3.19513	2.43744	2.06223	1.69845	1.47986
842320.00 |	3.83841	1.05478	1.01944	1.27371	2.50742	2.27038	1.76035	1.53822	1.39307
842270.00 |	5.49321	1.71073	.49913	.75414	.99640	1.73755	1.51114	1.34569	.80876
842220.00 |	2.97757	.79908	.49025	.38816	.54256	.75694	.67586	.56261	.61443
842170.00 |	1.90671	.42328	.36640	.35042	.30755	.28248	.22678	.16792	.58225
842120.00 |	1.58656	.45726	.37100	.34868	.26106	.19563	.16110	.15260	.42940
842070.00 |	1.35775	.47503	.37749	.34515	.22429	.15411	.13728	.12874	.27939
842020.00 |	.76850	.39417	.28651	.23787	.18056	.14262	.12382	.10789	.11642
841970.00 |	.47433	.33015	.22366	.17488	.14903	.12949	.11174	.09530	.07957
841920.00 |	.46194	.32365	.21944	.17019	.14087	.12185	.10724	.09242	.08020
841870.00 |	.44823	.31546	.21504	.16775	.13476	.11479	.10133	.08950	.07831
841820.00 |	.40819	.30770	.21676	.17409	.13560	.11120	.09672	.08756	.07895
841770.00 |	.37416	.30012	.21947	.18140	.13980	.10978	.09338	.08461	.07900

*** ISCST3 - VERSION 96113 *** *** Poultry Slaughtering and Processing Plant in Sheung Shui *** 05/06/09
*** *** 10:00:00
PAGE 31

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00 |	1.44912	1.40601	1.41013
842720.00 |	1.55204	1.38716	1.29054

842670.00	1.37241	1.37014	1.24923
842620.00	1.48149	1.34889	1.13558
842570.00	1.41371	1.21227	1.03004
842520.00	1.32003	1.14425	.98205
842470.00	1.32399	1.13338	.99171
842420.00	1.36687	1.13926	1.01852
842370.00	1.28114	1.19538	1.06735
842320.00	1.24414	1.11823	.89475
842270.00	.38421	.83763	.87651
842220.00	.72260	.86508	.80615
842170.00	.99803	.78962	.49291
842120.00	.92556	.61841	.38769
842070.00	.57097	.37889	.16626
842020.00	.16839	.14185	.10515
841970.00	.06912	.06589	.06595
841920.00	.06785	.05979	.05783
841870.00	.07030	.05925	.05277
841820.00	.07110	.06442	.05395
841770.00	.07189	.06566	.06013

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	.42474	.36465	.29665	.28591	.27549	.27539	.33280	.46245	.53953
842720.00	.48823	.45903	.41122	.38186	.37125	.33406	.32348	.45591	.63060
842670.00	.57475	.57567	.56186	.56548	.52473	.43746	.35432	.45720	.75525
842620.00	.76671	.77992	.76949	.73322	.66104	.79005	1.26326	2.64930	5.39043
842570.00	.96483	1.01928	1.03702	.96063	.81982	1.76665	5.15926	8.01809	9.73388
842520.00	.97227	1.11928	1.27534	1.39004	1.41825	2.22363	4.24126	5.78767	10.04334
842470.00	.88274	1.04836	1.26428	1.58433	2.01145	2.59592	3.07701	4.06162	3.61643
842420.00	.84591	1.01583	1.24235	1.50448	1.86711	2.92775	5.33013	8.07624	9.68987
842370.00	.76014	.91024	1.10803	1.24554	1.42174	2.37377	4.99116	3.77284	1.28135
842320.00	.50733	1.42391	4.15116	5.05189	5.81490	3.48503	1.57559	.91660	.72796
842270.00	.35112	2.13771	4.47918	4.63130	4.73563	3.48522	.66140	.82192	2.59717
842220.00	.23353	1.08347	2.55347	3.17301	3.44174	2.73093	1.07482	1.97554	3.42594
842170.00	.16995	.41486	1.31723	1.69803	2.14622	2.03128	1.82803	2.57890	3.66438
842120.00	.13168	.29955	.91925	1.20407	1.64274	1.76973	2.00990	2.67316	3.24138
842070.00	.11318	.23611	.70091	.89308	1.18198	1.60895	2.01630	2.46583	2.84170
842020.00	.54883	.67644	.86793	.76765	.66164	.80049	.89635	1.04883	1.10075
841970.00	1.05329	1.10179	.94932	.76148	.41183	.42722	.42801	.51164	.54024
841920.00	.59916	.37514	.33579	.36470	.36943	.40486	.43871	.51884	.53563
841870.00	.11761	.13741	.18318	.25606	.32331	.37792	.44840	.51777	.52927
841820.00	.12772	.17231	.22136	.27768	.33383	.37884	.44309	.47408	.45969
841770.00	.14923	.20142	.25035	.29441	.33800	.38193	.43493	.43477	.40350

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	1.22971	1.39842	3.02538	3.39291	3.60930	2.95291	2.80622	2.37266	2.15345
842720.00	3.29425	4.82987	4.11339	3.97150	3.64063	3.44844	2.66764	2.30421	2.04345
842670.00	5.71745	5.45190	4.98184	4.39769	3.98693	3.28768	2.79343	2.12281	1.98266
842620.00	6.82291	6.88726	5.95013	5.31210	4.35919	3.42149	2.57889	2.05897	1.68925
842570.00	9.45519	5.59531	6.66790	5.52836	4.49153	3.26697	2.39582	1.91849	1.68941
842520.00	9.96914	7.56831	7.39680	5.77265	4.42096	3.05690	2.51931	1.87581	1.57862
842470.00	3.44361	4.07325	7.02256	5.21306	4.07770	3.09472	2.37959	1.84056	1.55157
842420.00	7.17841	7.14742	4.58557	4.67010	4.08271	2.92295	2.32584	1.85516	1.56321
842370.00	6.38537	1.77833	2.38923	3.68245	3.51801	2.59099	2.14350	1.73233	1.48966
842320.00	8.91379	1.56391	1.32184	1.52617	2.65683	2.45048	1.87073	1.60372	1.43061
842270.00	6.56421	2.30373	.93447	.57110	1.18302	1.82110	1.54205	1.36738	.85011
842220.00	3.30774	.91531	.54153	.43508	.65096	.87667	.77379	.63808	.65478
842170.00	2.07183	.46052	.38955	.38323	.34429	.31693	.25380	.18044	.64180
842120.00	1.70271	.49004	.39815	.37955	.28290	.21119	.17233	.16674	.49301
842070.00	1.45472	.50320	.40770	.37870	.23902	.16006	.14543	.13847	.31811
842020.00	.80836	.41299	.30176	.25093	.18708	.14747	.12980	.11418	.12687
841970.00	.49417	.34348	.23223	.18038	.15263	.13340	.11558	.09975	.08306
841920.00	.47999	.33618	.22808	.17659	.14527	.12542	.11131	.09619	.08466
841870.00	.46572	.32753	.22389	.17486	.14005	.11849	.10525	.09335	.08206
841820.00	.42362	.31953	.22652	.18271	.14231	.11588	.10043	.09179	.08305
841770.00	.38792	.31175	.23012	.19144	.14774	.11551	.09735	.08877	.08354

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	1.44976	1.39485	1.38863
842720.00	1.55128	1.37309	1.27012
842670.00	1.37559	1.36288	1.23186
842620.00	1.45966	1.32436	1.11218
842570.00	1.39639	1.19191	1.00923

842520.00	1.30637	1.12646	.96329
842470.00	1.31308	1.11731	.97379
842420.00	1.35965	1.12591	1.00132
842370.00	1.27662	1.18253	1.05053
842320.00	1.27051	1.12517	.88159
842270.00	.42428	.84019	.87102
842220.00	.74555	.86712	.80593
842170.00	.99932	.78902	.51329
842120.00	.93188	.64986	.42498
842070.00	.61417	.42029	.18254
842020.00	.18910	.15988	.11672
841970.00	.07223	.06972	.07077
841920.00	.07114	.06277	.06145
841870.00	.07482	.06232	.05555
841820.00	.07542	.06906	.05696
841770.00	.07619	.07025	.06470

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00	830700.00	830750.00	830800.00	830850.00
842770.00	.68605	.58419	.46607	.51723	.56406	.66858	.90978	1.27390	1.50241
842720.00	.72592	.70799	.64951	.65097	.75793	.76391	.85869	1.30968	1.85161
842670.00	.80953	.84469	.86808	.97563	1.00631	.95962	.84562	1.35877	2.34502
842620.00	1.07206	1.12554	1.16566	1.15694	1.12425	1.76370	3.56208	6.26178	7.17041
842570.00	1.37287	1.46117	1.50334	1.42142	1.25326	4.07141	9.19740	8.84611	10.13350
842520.00	1.35089	1.57659	1.83708	2.05465	2.18644	4.39983	11.71969	12.20505	12.21615
842470.00	1.21327	1.45255	1.78510	2.33351	3.15818	4.51335	6.13351	9.84202	14.08937
842420.00	1.26012	1.53915	1.92394	2.35211	2.98034	5.14949	10.13331	18.74176	37.02611
842370.00	1.29743	1.60453	2.02484	2.24671	2.53925	4.92271	12.85934	10.17865	14.59900
842320.00	.76195	2.53746	5.30237	6.36520	7.13857	6.22728	3.56339	2.51173	2.81283
842270.00	.50759	3.16057	4.33107	4.71315	4.90580	5.08316	1.63547	2.08568	4.93594
842220.00	.34529	1.98240	2.74414	3.55550	3.90114	3.42512	2.86660	4.19615	5.29880
842170.00	.25811	.74784	1.83215	2.07064	2.50482	2.69649	3.14793	4.61946	6.61554
842120.00	.21555	.58046	1.46217	1.70006	2.12157	2.46921	3.16995	4.37502	5.70960
842070.00	.19775	.46413	1.24387	1.55631	1.82324	2.39008	3.03585	3.95890	4.84497
842020.00	.91408	1.11581	1.34181	1.32308	1.05872	1.25778	1.36460	1.62690	1.65605
841970.00	1.12656	1.26781	1.22565	1.26397	.61060	.60199	.57174	.70069	.74631
841920.00	.91820	.59334	.53264	.53927	.52756	.55460	.59405	.70318	.73642
841870.00	.19560	.20292	.24667	.34542	.44088	.50212	.61433	.69775	.73425
841820.00	.19373	.24210	.29706	.37888	.45255	.50750	.60315	.62897	.62806
841770.00	.21255	.27232	.34179	.40175	.45008	.51956	.58556	.57026	.54338

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830900.00	830950.00	831000.00	831050.00	831100.00	831150.00	831200.00	831250.00	831300.00
842770.00	3.63068	2.94587	3.02581	2.82061	3.21569	2.97579	2.45714	2.04391	1.88210
842720.00	5.17655	4.89191	3.77692	3.37635	3.07548	3.10216	2.22579	1.90847	1.79419
842670.00	6.12988	4.82361	4.39190	3.83899	3.44823	2.81464	2.36746	1.78819	1.77428
842620.00	7.16467	6.75305	5.87056	5.29865	3.87138	2.99527	2.23330	1.75695	1.42467
842570.00	10.43775	6.07391	7.12357	5.94884	4.10958	2.93776	2.11221	1.66213	1.43889
842520.00	12.50261	9.65075	8.37430	6.46173	4.72304	2.82630	2.26327	1.65164	1.35555
842470.00	14.69819	12.48154	9.47950	6.30697	5.03102	3.48231	2.17245	1.62950	1.34214
842420.00	46.09553	20.20334	8.46151	5.70668	4.60131	2.81641	2.15593	1.67037	1.37014
842370.00	109.91370	10.01458	5.69979	4.62821	4.28965	2.55025	2.01733	1.57194	1.31298
842320.00	22.96694	6.40319	4.38379	3.26719	3.21239	2.80051	2.09610	1.70576	1.44436
842270.00	11.87901	7.54437	3.36032	1.57723	2.51348	2.13263	1.68776	1.49256	1.12558
842220.00	6.30659	2.54551	1.36505	1.12576	1.76893	1.83398	1.51470	1.23783	1.02391
842170.00	3.94708	.93609	.78040	.87780	.81951	.69860	.58622	.34419	1.07543
842120.00	3.13299	.91221	.83507	.80731	.59373	.42919	.32312	.34818	.98604
842070.00	2.61006	.88029	.84494	.79954	.45970	.25750	.26014	.25714	.62551
842020.00	1.30831	.65233	.52042	.45287	.28944	.22504	.21934	.19658	.23888
841970.00	.72039	.50444	.34739	.26383	.20898	.19447	.17291	.16367	.12896
841920.00	.69329	.48844	.34362	.26715	.21193	.17746	.16967	.14788	.14331
841870.00	.67222	.47246	.33972	.26899	.21513	.16978	.15890	.14448	.12997
841820.00	.60238	.45837	.34925	.28937	.22975	.17736	.14796	.14513	.13284
841770.00	.54424	.44453	.35740	.30789	.24355	.18661	.14557	.13890	.13649

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831350.00	831400.00	831450.00
842770.00	1.52998	1.34504	1.19199
842720.00	1.59111	1.33253	1.07963
842670.00	1.44277	1.32157	1.05557
842620.00	1.21625	1.09417	.91425
842570.00	1.17541	.98962	.82901
842520.00	1.10136	.93714	.79387
842470.00	1.11494	.93511	.80661
842420.00	1.16608	.94876	.83177

842370.00 |	1.09826	.99784	.87439
842320.00 |	1.26627	1.06074	.73862
842270.00 |	.73774	.86400	.77343
842220.00 |	.97253	.94179	.80504
842170.00 |	1.01824	.87338	.69095
842120.00 |	1.03403	.87842	.69670
842070.00 |	.96508	.72770	.31493
842020.00 |	.37156	.32838	.23076
841970.00 |	.11161	.11680	.12752
841920.00 |	.11130	.09803	.10327
841870.00 |	.12960	.09757	.08689
841820.00 |	.12601	.12141	.08975
841770.00 |	.12478	.12088	.11346

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 38

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE ANNUAL (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
830944.00	842198.00	1.03266	830944.00	842198.00	1.17669
830955.00	842096.00	.49203	830955.00	842096.00	.52571
831175.00	842043.00	.11252	830787.00	842729.00	1.76879
830787.00	842729.00	2.04903	830787.00	842729.00	2.61246
830787.00	842729.00	3.37484	830787.00	842729.00	4.22157
830592.00	842499.00	1.56864	830856.00	842030.00	.89224
830856.00	842030.00	.93037	830794.00	841940.00	.69965
830794.00	841940.00	.72889	830733.00	842013.00	.74633
830733.00	842013.00	.78700	830668.00	842399.00	1.81698
830611.00	842391.00	1.41615	830730.40	842441.00	4.85220
830761.30	842315.00	.53401	830788.00	842182.00	.74407
830980.00	842042.00	.35035	830980.00	842042.00	.37059
830999.00	842008.00	.30653	831342.00	842511.00	1.27241
831342.00	842511.00	1.25971	831342.00	842511.00	1.23088
831342.00	842511.00	1.16918	830780.00	842653.00	.47377
830780.00	842653.00	.56060			

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 39

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	25.80724 (7052608)	25.37223 (7053108)	25.23898 (7063008)	30.11327 (7072618)	32.06684 (7041918)
842720.0	23.41196 (7061818)	24.81250 (7053118)	25.75764 (7053108)	30.68118 (7063008)	39.19201 (7072618)
842670.0	21.42138 (7062918)	23.67184 (7090218)	26.41198 (7061218)	32.68339 (7041208)	41.00522 (7031609)
842620.0	23.79304 (7070408)	24.63517 (7121617)	26.61361 (7020217)	29.04938 (7010117)	32.34988 (7041118)
842570.0	28.27485 (7052206)	29.49827 (7052206)	27.71351 (7062818)	27.58983 (7071609)	30.30453 (7052909)
842520.0	25.44544 (7053018)	28.37540 (7091717)	29.02292 (7011509)	31.12975 (7052206)	34.00328 (7090713)
842470.0	27.19884 (7102217)	29.37498 (7091617)	31.39159 (7102917)	35.46523 (7061118)	39.94913 (7052918)
842420.0	31.27109 (7093017)	35.91226 (7093017)	40.55600 (7093017)	43.86567 (7091108)	46.95831 (7092817)
842370.0	36.04395 (7100408)	40.89762 (7100408)	47.51703 (7112217)	52.51772 (7082918)	55.49915 (7082918)
842320.0	31.47329 (7080408)	74.84113 (7062308)	83.67033 (7100108)	88.20498 (7010804)	121.10600 (7010804)
842270.0	25.49406 (7102908)	73.79996 (7033008)	115.28370 (7122518)	129.53450 (7122518)	133.06790 (7122518)
842220.0	28.16208 (7120517)	71.60247 (7082318)	88.17555 (7060322)	111.69610 (7091413)	138.13860 (7060324)
842170.0	30.53315 (7092708)	67.96891 (7022217)	78.11343 (7070808)	80.66912 (7013107)	103.12100 (7060807)
842120.0	28.78828 (7101717)	57.69652 (7070808)	74.27179 (7060108)	72.88536 (7110317)	82.72691 (7092908)
842070.0	28.56703 (7060108)	55.24600 (7080108)	60.77415 (7110317)	76.30584 (7092908)	72.85028 (7062408)
842020.0	60.54042 (7022309)	52.87453 (7100708)	69.21912 (7092908)	66.95215 (7112909)	71.02686 (7060408)
841970.0	74.42001 (7071804)	61.39047 (7112917)	63.48746 (7112909)	67.93519 (7062408)	42.11882 (7101308)
841920.0	56.23925 (7092908)	56.24121 (7112909)	52.84938 (7062408)	42.71763 (7060208)	31.44700 (7050308)
841870.0	29.02038 (7112909)	26.70362 (7062408)	23.91925 (7060408)	25.04204 (7060618)	25.79051 (7041108)
841820.0	26.69014 (7062408)	26.41543 (7010817)	25.99503 (7072708)	26.62827 (7050308)	27.51603 (7052908)
841770.0	26.89849 (7062408)	27.39688 (7060208)	26.87407 (7020609)	27.65623 (7041108)	28.83162 (7061208)

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 40

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	37.69705 (7070508)	50.37486 (7032718)	62.23140 (7042208)	71.98666 (7111009)	88.68864 (7081608)
842720.0	41.81050 (7070118)	54.43753 (7070518)	71.42174 (7082618)	76.93184 (7090108)	106.26900 (7081608)
842670.0	44.75702 (7041408)	45.82158 (7032817)	59.44810 (7082618)	98.10735 (7070718)	143.94810 (7082319)
842620.0	63.07334 (7070618)	105.59750 (7041918)	135.31820 (7070518)	117.02590 (7061108)	178.89580 (7053120)
842570.0	88.24486 (7041118)	121.76760 (7070618)	160.48420 (7062303)	201.30980 (7083024)	208.83220 (7081307)
842520.0	70.88224 (7062018)	152.57660 (7052018)	141.00660 (7041408)	188.73670 (7112905)	195.88980 (7020320)
842470.0	50.91007 (7021714)	65.38532 (7090713)	137.94550 (7052211)	282.32640 (7021514)	257.62520 (7072518)
842420.0	70.24973 (7092520)	121.84200 (7080618)	136.83620 (7031709)	159.80850 (7021518)	319.80060 (7041712)
842370.0	101.78240 (7082918)	191.19360 (7072918)	132.06780 (7100218)	51.45018 (7080414)	37.96352 (7041813)
842320.0	133.23840 (7080908)	163.54830 (7081618)	131.57090 (7100115)	89.82130 (7010611)	232.56620 (7081820)
842270.0	141.83830 (7091413)	125.26010 (7012817)	137.49390 (7100111)	149.25290 (7110621)	257.67000 (7092307)
842220.0	125.46460 (7013107)	133.64330 (7101208)	160.99970 (7123117)	185.95180 (7101917)	147.12670 (7101412)
842170.0	91.24390 (7091517)	115.28470 (7010717)	117.67920 (7010517)	145.53370 (7012317)	94.13182 (7110312)
842120.0	84.54242 (7062408)	104.46860 (7101308)	115.05190 (7041818)	123.35850 (7091917)	83.81733 (7101008)
842070.0	89.09731 (7053008)	81.14481 (7052908)	91.18803 (7112317)	105.17310 (7040718)	72.28588 (7101008)
842020.0	62.58535 (7020609)	64.52810 (7040618)	61.47784 (7092017)	56.18913 (7100817)	39.65313 (7101008)
841970.0	30.01026 (7010517)	27.39281 (7030507)	24.13700 (7061211)	24.95093 (7082510)	25.12591 (7043017)
841920.0	29.76364 (7040618)	25.49875 (7030507)	26.97117 (7091917)	25.63269 (7030909)	24.12085 (7031908)

841870.0	27.95515 (7111917)	27.38980 (7092017)	27.01398 (7040718)	28.40001 (7112709)	25.14975 (7031908)
841820.0	27.82428 (7030507)	27.17785 (7090208)	26.95176 (7040718)	25.93002 (7103108)	24.43716 (7011409)
841770.0	27.75608 (7040708)	28.22057 (7062208)	25.46627 (7040718)	23.85592 (7103108)	23.79142 (7011409)

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 41

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	91.94138 (7080208)	128.74870 (7071507)	100.39490 (7060405)	121.26270 (7060520)	118.57450 (7092220)
842720.0	130.17320 (7071421)	138.78650 (7071507)	111.48590 (7071220)	107.22450 (7072522)	125.15350 (7072120)
842670.0	136.34770 (7071520)	131.67930 (7071520)	124.70570 (7071220)	117.35620 (7072320)	109.40970 (7061905)
842620.0	163.83880 (7071520)	168.57650 (7071505)	146.59980 (7072120)	132.06190 (7091518)	117.88180 (7060507)
842570.0	183.35660 (7082123)	169.19940 (7071701)	145.36000 (7081414)	148.89150 (7072420)	126.60120 (7060806)
842520.0	181.78450 (7032206)	198.04980 (7080219)	168.83090 (7072319)	170.42320 (7072421)	145.16800 (7050522)
842470.0	178.91380 (7061315)	188.79290 (7022804)	197.79350 (7080119)	159.66550 (7062319)	133.46890 (7101721)
842420.0	330.92830 (7082113)	140.39560 (7071920)	223.65080 (7071219)	169.24620 (7071219)	133.65740 (7071219)
842370.0	151.19990 (7072213)	165.71720 (7100617)	201.25710 (7013008)	169.58690 (7071119)	129.66510 (7071119)
842320.0	163.43970 (7010913)	246.09850 (7091817)	90.56796 (7060711)	167.27720 (7081919)	133.31240 (7071119)
842270.0	246.15730 (7110706)	146.34270 (7060217)	125.31320 (7091817)	75.12128 (7071308)	115.40040 (7013022)
842220.0	98.77590 (7092217)	67.70847 (7121309)	74.15540 (7060217)	76.27406 (7051908)	79.95838 (7091817)
842170.0	39.57843 (7012315)	53.51606 (7122412)	69.29417 (7093008)	58.09834 (7062218)	62.04180 (7100808)
842120.0	36.63478 (7032717)	51.33572 (7122509)	66.26569 (7121309)	63.50230 (7093008)	42.36939 (7062218)
842070.0	36.17831 (7120309)	47.50232 (7112615)	66.77151 (7091908)	40.22991 (7081818)	29.36661 (7093008)
842020.0	30.02187 (7043010)	30.21199 (7092217)	34.25483 (7041721)	31.55230 (7121309)	28.07610 (7093008)
841970.0	25.45964 (7082611)	24.66522 (7032717)	24.57367 (7053009)	24.03579 (7091908)	24.30038 (7081818)
841920.0	22.86912 (7082611)	22.75755 (7121317)	21.99174 (7082110)	20.95116 (7032716)	23.71512 (7081818)
841870.0	22.51692 (7122317)	23.68258 (7121317)	21.63210 (7112817)	22.41263 (7112209)	24.80821 (7091908)
841820.0	22.85057 (7103008)	24.56598 (7101408)	24.79954 (7121409)	23.11763 (7112209)	22.48037 (7091908)
841770.0	23.95946 (7103008)	25.43900 (7101408)	26.86196 (7011709)	24.20988 (7042418)	23.17175 (7112209)

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 42

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	112.78800 (7062107)	106.64690 (7072924)	103.09230 (7072420)	76.42805 (7100809)	88.78061 (7072005)
842720.0	94.08309 (7020401)	86.27264 (7010802)	107.43850 (7100809)	79.31162 (7072005)	96.78175 (7062501)
842670.0	99.83330 (7101806)	90.80347 (7010722)	107.77630 (7071120)	81.99881 (7072323)	102.14470 (7082124)
842620.0	105.38630 (7030419)	94.10230 (7011919)	89.08739 (7010821)	84.33891 (7010821)	75.81723 (7010821)
842570.0	110.58820 (7030419)	96.79579 (7112401)	89.50804 (7010821)	82.99565 (7010821)	74.01587 (7020406)
842520.0	123.46840 (7090605)	105.68560 (7120208)	94.09579 (7011004)	84.22398 (7020406)	75.00663 (7020406)
842470.0	135.75550 (7020905)	113.87400 (7020422)	97.83990 (7020408)	84.58345 (7020405)	75.31779 (7020405)
842420.0	138.86300 (7020404)	118.76210 (7122423)	103.50960 (7110407)	90.98230 (7011901)	81.49832 (7012205)
842370.0	125.64980 (7011901)	121.62640 (7012205)	107.81500 (7012821)	96.43597 (7012821)	86.97342 (7012821)
842320.0	130.70880 (7021724)	126.15370 (7021724)	112.65980 (7121322)	95.16196 (7083119)	98.00275 (7092909)
842270.0	111.31030 (7081919)	97.22997 (7101620)	76.13343 (7102208)	72.55835 (7102208)	79.58607 (7041521)
842220.0	84.46843 (7043018)	81.36432 (7042408)	73.51863 (7020917)	72.23074 (7020917)	77.01292 (7071119)
842170.0	58.36661 (7091817)	44.48703 (7071308)	75.42844 (7043018)	90.92593 (7071806)	68.96648 (7032624)
842120.0	39.23848 (7100808)	42.87950 (7060218)	68.29375 (7071308)	67.62231 (7011108)	63.61900 (7043018)
842070.0	33.70922 (7071608)	39.55512 (7100808)	70.10592 (7051908)	66.91960 (7090418)	63.78487 (7071308)
842020.0	26.68887 (7021409)	31.95729 (7071608)	42.27307 (7100808)	54.51834 (7051908)	46.22585 (7090418)
841970.0	26.85490 (7093008)	23.98038 (7021409)	25.52229 (7071608)	25.56674 (7100808)	25.99274 (7051908)
841920.0	24.40631 (7011909)	24.20077 (7040808)	24.39967 (7011209)	25.42438 (7071608)	25.50159 (7100808)
841870.0	25.06668 (7081818)	24.02915 (7011909)	22.66748 (7021409)	24.73583 (7062218)	24.82254 (7071608)
841820.0	23.53255 (7081818)	23.52051 (7120109)	25.00590 (7051308)	24.96394 (7021409)	25.63596 (7062218)
841770.0	23.96911 (7091908)	24.75725 (7081818)	24.28253 (7011909)	25.15210 (7051308)	25.41565 (7021409)

*** ISCST3 - VERSION 96113 ***   *** Poultry Slaughtering and Processing Plant in Sheung Shui ***   05/06/09
*** ***   10:00:00
PAGE 43

**MODELOPTs: CONC   RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	88.72747 (7062501)
842720.0	91.86572 (7062424)
842670.0	95.40494 (7071020)
842620.0	68.27166 (7010821)
842570.0	66.18353 (7020406)
842520.0	67.05355 (7020406)
842470.0	67.39233 (7020405)
842420.0	73.40575 (7012205)
842370.0	78.88612 (7012821)
842320.0	79.84592 (7013007)
842270.0	98.78214 (7060501)
842220.0	95.65459 (7073104)
842170.0	63.13379 (7020917)
842120.0	60.91474 (7042408)
842070.0	53.89106 (7043018)
842020.0	36.83465 (7071308)
841970.0	27.12776 (7060218)
841920.0	24.92827 (7051908)
841870.0	25.03884 (7100808)
841820.0	24.62700 (7071608)
841770.0	25.72498 (7062218)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	26.43563 (7052608)	25.96108 (7053108)	26.09262 (7063008)	30.88994 (7072618)	32.72421 (7101708)
842720.0	23.93646 (7061818)	25.57581 (7053118)	26.74183 (7053108)	31.99221 (7063008)	40.37824 (7072618)
842670.0	22.14441 (7062918)	24.54312 (7090218)	27.33465 (7061218)	34.18097 (7053108)	42.67053 (7031609)
842620.0	24.61095 (7070408)	25.65910 (7121617)	27.97546 (7051718)	30.32456 (7010117)	34.51263 (7041118)
842570.0	28.89965 (7052206)	30.44358 (7052206)	29.12178 (7062818)	28.06514 (7050118)	30.34469 (7052909)
842520.0	26.09596 (7053018)	29.47586 (7091717)	30.61780 (7011509)	33.21207 (7052206)	34.16315 (7090713)
842470.0	28.14938 (7102217)	30.59672 (7091617)	33.11115 (7103017)	38.05437 (7061118)	43.96865 (7052918)
842420.0	32.12632 (7093017)	37.25442 (7093017)	42.70264 (7093017)	46.67152 (7091108)	51.07426 (7092817)
842370.0	36.90767 (7082408)	42.09263 (7100408)	48.42689 (7100408)	54.02859 (7082918)	59.53314 (7082918)
842320.0	32.53385 (7080408)	76.15851 (7062308)	84.70958 (7062308)	93.16760 (7010804)	126.03320 (7010804)
842270.0	26.56481 (7102908)	74.85168 (7033008)	116.20040 (7110307)	132.60960 (7110307)	139.03530 (7122518)
842220.0	28.93536 (7120517)	72.34029 (7082318)	88.14067 (7120524)	115.69800 (7091413)	144.39010 (7060324)
842170.0	31.35859 (7092708)	68.49400 (7022217)	79.23334 (7070808)	82.76360 (7013107)	104.11310 (7012222)
842120.0	29.28339 (7101717)	58.41955 (7070808)	75.02820 (7060108)	71.99324 (7110317)	84.97963 (7092908)
842070.0	29.43600 (7060108)	55.89997 (7080108)	59.94603 (7110317)	77.15334 (7092908)	74.04923 (7062408)
842020.0	60.51381 (7022309)	52.90411 (7100708)	69.43661 (7092908)	67.51677 (7112909)	71.91902 (7060408)
841970.0	77.36511 (7071804)	62.41833 (7013102)	63.60912 (7112909)	68.14483 (7062408)	42.56188 (7101308)
841920.0	56.07980 (7092908)	56.22635 (7112909)	53.10984 (7062408)	43.43455 (7060208)	32.49449 (7050308)
841870.0	29.41960 (7112909)	27.20668 (7062408)	24.56867 (7060408)	25.79585 (7060618)	26.65131 (7041108)
841820.0	26.97934 (7062408)	26.84231 (7010817)	26.51577 (7072708)	27.22469 (7050308)	28.20555 (7052908)
841770.0	27.18171 (7062408)	27.73033 (7060208)	27.28409 (7020609)	28.12106 (7041108)	29.37271 (7061208)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	38.22175 (7070508)	52.73940 (7032718)	64.40251 (7042208)	74.61218 (7111009)	90.77426 (7081608)
842720.0	42.34144 (7070118)	56.35350 (7070518)	72.51317 (7082618)	81.02992 (7090108)	109.63760 (7081608)
842670.0	46.62609 (7041408)	46.64806 (7032817)	61.66622 (7082618)	97.12198 (7070718)	156.76650 (7082319)
842620.0	64.54189 (7031609)	103.24590 (7041918)	137.79540 (7070518)	127.56140 (7061108)	198.95750 (7053120)
842570.0	89.85693 (7041118)	121.64700 (7031609)	175.12120 (7062303)	228.08130 (7070820)	237.77970 (7072407)
842520.0	74.12141 (7062018)	151.39700 (7052018)	156.13090 (7072618)	211.20480 (7012904)	222.28520 (7020105)
842470.0	54.96098 (7042618)	73.36217 (7062718)	154.95230 (7051001)	276.40550 (7022621)	326.86430 (7072518)
842420.0	76.15067 (7102117)	131.45730 (7101114)	168.56620 (7051418)	262.62270 (7050722)	954.62280 (7081103)
842370.0	107.25470 (7082918)	194.84750 (7121117)	162.43240 (7081705)	72.09395 (7081012)	855.47000 (7020107)
842320.0	139.29640 (7102408)	166.39170 (7081618)	164.98360 (7100124)	146.85240 (7020109)	385.42870 (7100912)
842270.0	147.24910 (7091413)	123.91430 (7012817)	148.65800 (7101208)	170.97740 (7092013)	273.09280 (7112611)
842220.0	129.95900 (7013107)	129.18790 (7101208)	160.95520 (7123117)	184.84920 (7112317)	155.50160 (7092108)
842170.0	92.97519 (7091517)	117.41700 (7010717)	114.71840 (7010517)	148.25160 (7092017)	100.56370 (7092108)
842120.0	87.84428 (7062408)	104.57300 (7101308)	115.19750 (7041818)	123.28190 (7091917)	85.77756 (7101008)
842070.0	87.96200 (7053008)	84.00932 (7041108)	89.32768 (7112317)	105.79690 (7040718)	73.35827 (7031908)
842020.0	64.25738 (7020609)	65.86824 (7040618)	61.91708 (7092017)	57.69994 (7100817)	41.11671 (7031908)
841970.0	30.30169 (7010517)	28.47911 (7030507)	25.41632 (7091917)	24.96521 (7082510)	25.15913 (7043017)
841920.0	30.70918 (7040618)	26.19358 (7030507)	27.85748 (7091917)	26.69725 (7112709)	25.12164 (7031908)
841870.0	28.69140 (7111917)	27.80789 (7092017)	27.73200 (7040718)	29.26849 (7112709)	25.96882 (7011409)
841820.0	28.12919 (7030507)	28.04723 (7090208)	27.52023 (7040718)	26.64151 (7103108)	25.27555 (7011409)
841770.0	28.36504 (7040708)	28.91310 (7062208)	25.90917 (7040718)	24.41780 (7103108)	24.43871 (7011409)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	93.80046 (7080208)	134.12110 (7071507)	99.45510 (7010908)	125.26540 (7060520)	121.98620 (7092220)
842720.0	136.08420 (7071421)	146.94040 (7071507)	111.43730 (7010908)	106.75420 (7010824)	130.45090 (7072120)
842670.0	139.01290 (7032704)	133.85760 (7110401)	126.14760 (7012422)	118.00270 (7010824)	109.31270 (7010802)
842620.0	170.56710 (7071520)	186.77060 (7071505)	159.90720 (7060520)	134.49400 (7011907)	118.93430 (7010802)
842570.0	200.44940 (7082123)	184.61210 (7042317)	151.62730 (7081414)	154.00520 (7042520)	129.22790 (7030822)
842520.0	208.31920 (7010907)	212.41160 (7092220)	178.01020 (7072319)	179.71200 (7072421)	150.22780 (7020823)
842470.0	241.01980 (7073118)	221.51190 (7010724)	211.88930 (7080119)	166.86390 (7062319)	141.97910 (7101721)
842420.0	481.57290 (7071918)	193.00660 (7071920)	242.21520 (7071219)	177.76850 (7071219)	137.61150 (7071219)
842370.0	238.80040 (7072213)	279.52230 (7100617)	226.33360 (7013008)	178.36040 (7071119)	133.57890 (7071119)
842320.0	332.78610 (7091814)	282.46730 (7091817)	90.96494 (7060711)	176.38770 (7081919)	137.02090 (7071119)
842270.0	242.99390 (7110706)	144.67250 (7060217)	127.74200 (7091817)	87.38378 (7071308)	121.81730 (7013022)
842220.0	112.13390 (7092217)	82.03486 (7121309)	73.41689 (7060217)	85.25370 (7051908)	84.28845 (7090418)
842170.0	40.47706 (7012315)	59.32494 (7122412)	75.47087 (7093008)	64.44286 (7062218)	65.76151 (7100808)
842120.0	39.06299 (7092014)	55.58778 (7122509)	69.06351 (7081818)	65.86684 (7093008)	45.80500 (7062218)
842070.0	39.22535 (7120309)	48.34467 (7122509)	69.19254 (7091908)	42.61420 (7081818)	30.80380 (7093008)
842020.0	30.12713 (7043010)	32.11013 (7112517)	34.85875 (7041721)	32.89046 (7121309)	29.35296 (7093008)
841970.0	25.49566 (7082611)	24.69415 (7032717)	24.58804 (7053009)	25.42209 (7091908)	25.55643 (7081818)
841920.0	23.67654 (7122317)	23.87217 (7121317)	22.68297 (7122509)	20.93656 (7032716)	24.75286 (7081818)
841870.0	23.19430 (7122317)	24.52036 (7121317)	22.80313 (7112817)	23.49733 (7112209)	25.51733 (7091908)
841820.0	23.77992 (7103008)	25.49646 (7101408)	25.52765 (7121409)	23.98261 (7112209)	23.00753 (7091908)
841770.0	24.69183 (7103008)	26.14080 (7101408)	27.54824 (7011709)	24.96432 (7042418)	23.76689 (7112209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	115.38200 (7062107)	108.54410 (7072924)	104.31780 (7072420)	78.40339 (7100809)	89.65332 (7072005)
842720.0	92.85349 (7010802)	84.79633 (7010802)	109.55540 (7100809)	81.76843 (7072005)	97.67342 (7062501)
842670.0	99.12117 (7010802)	89.64764 (7010823)	110.58570 (7071120)	84.95492 (7072323)	103.52450 (7082124)
842620.0	105.38800 (7010823)	93.38857 (7010722)	87.88423 (7010821)	82.80882 (7010821)	74.14769 (7010821)
842570.0	111.53820 (7012007)	96.63053 (7010821)	88.64659 (7010821)	81.68980 (7010821)	72.49078 (7020406)
842520.0	125.77150 (7010821)	106.23920 (7010821)	93.61597 (7011004)	83.13429 (7020406)	73.59481 (7020406)
842470.0	139.68810 (7122521)	115.26040 (7020406)	97.77350 (7020406)	83.71037 (7020405)	74.02338 (7020405)
842420.0	144.18200 (7020404)	120.92950 (7122423)	103.85680 (7110407)	90.30071 (7011901)	80.26295 (7012205)
842370.0	131.42220 (7011901)	124.41020 (7012205)	108.50310 (7012821)	95.91620 (7012821)	85.78610 (7012821)
842320.0	137.53190 (7021724)	129.46860 (7021724)	113.75380 (7121322)	95.88689 (7083119)	103.17230 (7092909)
842270.0	113.10990 (7013022)	97.73522 (7040601)	77.56742 (7102208)	73.26108 (7102208)	82.71265 (7041521)
842220.0	88.08889 (7043018)	83.42211 (7042408)	74.60253 (7020917)	72.73968 (7020917)	80.73885 (7071119)
842170.0	58.97987 (7090418)	46.92781 (7071308)	76.24265 (7043018)	97.01037 (7071806)	72.10731 (7032624)
842120.0	41.62821 (7100808)	44.85894 (7060218)	68.89079 (7071308)	70.85165 (7011108)	63.63824 (7043018)
842070.0	35.80240 (7071608)	41.03478 (7100808)	70.47734 (7051908)	67.00626 (7090418)	63.77131 (7071308)
842020.0	28.33328 (7021409)	33.32029 (7071608)	43.13433 (7100808)	54.92886 (7051908)	46.63254 (7090418)
841970.0	27.64886 (7093008)	25.08380 (7021409)	26.45180 (7071608)	26.30280 (7100808)	26.63270 (7051908)
841920.0	25.30796 (7011909)	24.86557 (7040808)	25.19992 (7011209)	26.06918 (7071608)	26.02238 (7100808)
841870.0	25.76809 (7081818)	24.61422 (7011909)	23.36428 (7021409)	25.32855 (7062218)	25.27076 (7071608)
841820.0	24.10084 (7081818)	24.19889 (7120109)	25.59695 (7051308)	25.46947 (7021409)	26.05333 (7062218)
841770.0	24.39447 (7010109)	25.14188 (7081818)	24.61142 (7011909)	25.53861 (7051308)	25.76383 (7021409)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	88.65351 (7062501)
842720.0	92.11591 (7062424)
842670.0	96.09152 (7071020)
842620.0	66.57082 (7010821)
842570.0	64.58163 (7020406)
842520.0	65.50536 (7020406)
842470.0	65.90413 (7020405)
842420.0	71.89815 (7012205)
842370.0	77.35801 (7012821)
842320.0	78.32875 (7013007)
842270.0	102.06450 (7060501)
842220.0	99.86089 (7073104)
842170.0	63.07808 (7020917)
842120.0	60.83720 (7042408)
842070.0	53.96489 (7043018)
842020.0	37.24269 (7071308)
841970.0	27.63103 (7060218)
841920.0	25.38491 (7051908)
841870.0	25.40941 (7100808)
841820.0	24.93177 (7071608)
841770.0	26.01041 (7062218)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	31.54367 (7052608)	32.92638 (7052508)	33.33736 (7060908)	40.07130 (7092808)	46.68156 (7101708)
842720.0	30.43418 (7080508)	31.86123 (7073008)	35.13935 (7041318)	42.88912 (7032618)	52.61695 (7092808)
842670.0	28.00818 (7081718)	32.54017 (7062008)	36.10389 (7073008)	46.21674 (7041318)	59.05386 (7032618)
842620.0	31.81107 (7090718)	34.14458 (7090618)	39.50259 (7051718)	43.97334 (7080508)	53.81602 (7053108)
842570.0	35.03853 (7020509)	37.76603 (7060718)	42.43766 (7070408)	44.57303 (7062918)	48.31588 (7061818)
842520.0	35.25155 (7061418)	39.84765 (7122817)	45.42768 (7021817)	51.47696 (7113017)	61.47625 (7070408)
842470.0	36.50572 (7070708)	42.61022 (7072208)	48.66514 (7122017)	59.71041 (7082218)	76.92464 (7032418)
842420.0	41.77974 (7101217)	48.30360 (7010309)	58.00917 (7062118)	71.62082 (7062118)	88.65636 (7082808)
842370.0	47.07353 (7031818)	55.59132 (7031818)	66.99995 (7031818)	75.46274 (7031818)	84.91338 (7031818)
842320.0	40.47215 (7081308)	128.86640 (7102205)	152.62970 (7110307)	166.29630 (7120820)	182.66560 (7040823)
842270.0	35.58498 (7101017)	139.76180 (7120524)	107.54250 (7072620)	127.94410 (7072620)	159.99710 (7073120)
842220.0	36.25732 (7112017)	134.98210 (7012524)	133.02440 (7111106)	142.97080 (7040702)	154.49070 (7083007)
842170.0	38.08195 (7082208)	113.62390 (7040702)	140.62940 (7120708)	151.31030 (7022507)	164.00910 (7013103)
842120.0	37.80212 (7081207)	95.75081 (7110501)	137.84290 (7013108)	146.63090 (7013104)	154.79830 (7112307)
842070.0	36.48434 (7060108)	82.76037 (7121606)	131.27030 (7013107)	138.51110 (7112307)	146.02720 (7040621)
842020.0	111.85320 (7013105)	117.08850 (7013107)	124.36040 (7112307)	129.62680 (7031120)	125.48960 (7111207)
841970.0	105.38390 (7032802)	112.16790 (7112307)	117.00630 (7031120)	123.56830 (7120224)	50.94857 (7060618)
841920.0	101.71300 (7112307)	100.97790 (7091505)	81.42415 (7120322)	51.23301 (7040411)	40.95047 (7050308)
841870.0	32.66254 (7112909)	31.32935 (7062408)	29.97792 (7060408)	32.05556 (7060618)	33.79163 (7041108)
841820.0	29.32122 (7062408)	30.36171 (7010817)	30.82862 (7072708)	32.15652 (7050308)	33.90999 (7052908)
841770.0	29.50708 (7062408)	30.46698 (7060208)	30.67178 (7020609)	31.95306 (7041108)	33.83374 (7061208)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	52.06806 (7073108)	70.96198 (7032718)	82.14535 (7013002)	109.87690 (7012523)	154.14520 (7113007)
842720.0	61.42172 (7052408)	71.88738 (7073108)	89.62074 (7080308)	124.23440 (7010801)	180.85650 (7113007)
842670.0	62.50990 (7052708)	63.67376 (7120917)	96.17509 (7032718)	143.82090 (7052707)	212.64170 (7120306)
842620.0	86.95773 (7032618)	173.24840 (7121023)	195.72160 (7021708)	234.28500 (7033122)	256.26590 (7053120)
842570.0	115.20090 (7052608)	195.23070 (7010223)	239.06470 (7062303)	306.96790 (7070820)	324.32640 (7072407)
842520.0	114.62950 (7051718)	214.85510 (7112220)	247.33190 (7092808)	290.11890 (7051320)	310.00060 (7061119)
842470.0	107.38420 (7102817)	158.58160 (7081018)	274.26120 (7053118)	556.65120 (7021208)	668.69070 (7042622)
842420.0	136.80420 (7070708)	224.21110 (7021717)	404.98070 (7070323)	997.20760 (7070323)	1841.50400 (7010121)
842370.0	138.33840 (7031818)	281.16110 (7120813)	395.42920 (7120813)	772.59610 (7102012)	5489.39200 (7031823)
842320.0	204.48040 (7121620)	214.01600 (7102411)	319.81660 (7101717)	524.40050 (7012718)	1341.84300 (7091915)
842270.0	191.15390 (7050106)	170.30390 (7060108)	239.28000 (7091517)	307.53920 (7041805)	576.76120 (7091512)
842220.0	184.16100 (7041802)	205.93070 (7122315)	226.58400 (7022212)	246.39290 (7101614)	247.81460 (7121917)
842170.0	175.27530 (7120907)	186.81980 (7101707)	197.24170 (7110220)	215.73780 (7111922)	158.79390 (7111509)
842120.0	163.40390 (7120223)	170.31170 (7012822)	184.26700 (7030723)	190.80090 (7120411)	118.82380 (7111509)
842070.0	153.66090 (7040411)	160.35710 (7010920)	164.91190 (7120724)	172.35860 (7110505)	94.68777 (7111509)
842020.0	109.41500 (7012202)	89.48077 (7120723)	74.29096 (7012103)	69.59389 (7090518)	58.60685 (7011409)
841970.0	42.39302 (7041108)	36.88556 (7030507)	37.20752 (7111909)	37.55186 (7090518)	35.97040 (7011409)
841920.0	38.60381 (7061208)	34.70731 (7040708)	35.50635 (7081508)	36.26075 (7112709)	35.62241 (7011409)
841870.0	34.57763 (7011609)	35.36803 (7050108)	36.66844 (7081508)	37.95628 (7061908)	35.10279 (7061018)
841820.0	34.19838 (7032208)	35.28691 (7090208)	33.29102 (7020209)	33.93560 (7061908)	33.02383 (7061018)
841770.0	33.41294 (7040708)	34.67412 (7062208)	31.80858 (7010209)	30.16935 (7061908)	31.11918 (7061018)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0	153.99130 (7010907)	144.65240 (7071507)	81.25773 (7010908)	132.41840 (7060520)	134.28570 (7122806)
842720.0	166.02550 (7020304)	167.42610 (7071507)	93.00190 (7010908)	88.26895 (7010824)	142.60520 (7072120)
842670.0	121.05760 (7010907)	115.85310 (7010908)	108.06050 (7010908)	99.76833 (7010824)	91.10022 (7010802)
842620.0	193.91840 (7071421)	241.10550 (7071505)	208.86780 (7060520)	116.75890 (7010802)	101.24250 (7010802)
842570.0	229.13280 (7082123)	252.38420 (7041623)	177.96230 (7123103)	137.60700 (7010802)	112.56450 (7010823)
842520.0	294.65980 (7041618)	224.42710 (7041823)	190.53570 (7120605)	165.40730 (7120605)	134.11240 (7020823)
842470.0	613.41600 (7071619)	351.75910 (7072218)	223.53950 (7070919)	185.89530 (7071822)	167.86970 (7031024)
842420.0	1195.98500 (7040121)	468.40770 (7060808)	250.51410 (7090321)	219.96190 (7062424)	122.29090 (7020404)
842370.0	1623.64000 (7081407)	434.56290 (7100616)	271.52510 (7110503)	258.93870 (7072222)	118.83550 (7013007)
842320.0	905.21780 (7091809)	319.44290 (7090418)	230.19840 (7042408)	242.35550 (7090102)	220.66940 (7060420)
842270.0	465.31300 (7110411)	256.75880 (7021409)	188.32540 (7051908)	204.57460 (7040217)	180.57940 (7041501)
842220.0	201.70980 (7112517)	192.21440 (7081818)	139.03010 (7062218)	186.98500 (7030819)	176.06340 (7030820)
842170.0	91.41268 (7121317)	100.16860 (7091908)	118.67080 (7011909)	114.74930 (7011713)	132.06790 (7081501)
842120.0	72.06548 (7121317)	80.68269 (7122509)	102.13580 (7081818)	84.42122 (7040808)	72.43912 (7062218)
842070.0	60.15489 (7120309)	73.83303 (7112817)	85.90968 (7091908)	62.85356 (7120109)	44.24090 (7021409)
842020.0	43.79257 (7122317)	52.21710 (7121409)	54.37109 (7112209)	49.20422 (7081818)	41.74832 (7011909)
841970.0	34.39555 (7122317)	36.42452 (7112517)	33.45294 (7112209)	36.80511 (7091908)	35.82195 (7081818)
841920.0	32.43355 (7120717)	33.19616 (7091509)	32.60423 (7042418)	29.07393 (7112209)	33.45267 (7081818)
841870.0	32.08484 (7103008)	33.21954 (7101408)	32.95166 (7112817)	32.82343 (7112209)	31.61830 (7010109)
841820.0	31.68370 (7103008)	33.38227 (7050508)	33.37875 (7120509)	32.32285 (7012209)	27.36339 (7091908)
841770.0	30.87274 (7103008)	32.31231 (7050508)	34.17683 (7042508)	31.41337 (7042418)	28.79081 (7112209)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0	118.33320 (7062107)	109.43080 (7072924)	102.77790 (7072420)	107.95510 (7100607)	92.86307 (7020221)
842720.0	75.15797 (7010802)	67.93962 (7010802)	111.31000 (7100809)	114.33450 (7020823)	98.45982 (7011002)
842670.0	81.39223 (7010802)	72.60721 (7010823)	117.58030 (7072005)	120.13120 (7110502)	114.09160 (7101721)
842620.0	87.98747 (7010823)	76.56740 (7010722)	71.04075 (7010821)	66.18239 (7010821)	58.69009 (7010821)
842570.0	94.77112 (7012007)	80.27870 (7010821)	72.31065 (7010821)	65.65865 (7010821)	57.55790 (7020406)
842520.0	109.03550 (7010821)	89.60745 (7010821)	77.17042 (7011004)	67.26794 (7020406)	58.68731 (7020406)
842470.0	123.34820 (7122521)	98.59583 (7020406)	81.38840 (7020406)	68.14407 (7020405)	59.26090 (7020405)
842420.0	129.20380 (7020404)	104.60430 (7122423)	87.19867 (7110407)	74.01373 (7011901)	64.59937 (7012205)
842370.0	118.93930 (7011901)	108.46800 (7012205)	91.66592 (7012821)	79.00954 (7012821)	69.31861 (7012821)
842320.0	173.44780 (7060811)	137.24780 (7071219)	113.09750 (7062523)	98.69386 (7080824)	119.35860 (7092909)
842270.0	168.34120 (7011108)	156.33480 (7120808)	145.14040 (7112407)	133.09880 (7082023)	124.37960 (7032624)
842220.0	163.41950 (7040507)	149.02160 (7122405)	139.70610 (7120807)	131.55870 (7122504)	122.28720 (7120808)
842170.0	87.82718 (7122611)	65.61496 (7071308)	134.89230 (7040507)	125.48610 (7071806)	118.36750 (7120807)
842120.0	60.04111 (7100808)	60.14025 (7060218)	132.43890 (7030820)	123.50700 (7120321)	115.97780 (7040622)
842070.0	52.69254 (7071608)	52.50268 (7100808)	125.06870 (7122422)	117.51820 (7121923)	109.48580 (7011908)
842020.0	42.10414 (7021409)	44.41714 (7071608)	52.58796 (7010408)	82.28507 (7122422)	60.51645 (7012304)
841970.0	35.71711 (7040808)	34.67896 (7011209)	34.21026 (7071608)	32.40978 (7100808)	31.96748 (7051908)
841920.0	32.79305 (7011909)	31.06376 (7051308)	31.94557 (7011209)	31.45104 (7071608)	30.35495 (7100808)
841870.0	32.22847 (7100508)	30.49788 (7051308)	29.30769 (7021409)	30.33117 (7062218)	29.01578 (7071608)
841820.0	28.85130 (7010109)	29.98117 (7120109)	30.59811 (7051308)	29.73878 (7021409)	29.55862 (7062218)
841770.0	30.01949 (7010109)	29.51375 (7100508)	27.32152 (7011909)	28.78181 (7051308)	28.68979 (7021409)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0	83.04010 (7062501)
842720.0	87.65703 (7062424)
842670.0	93.26679 (7071020)
842620.0	52.33566 (7010821)
842570.0	50.82906 (7020406)
842520.0	51.68865 (7020406)
842470.0	52.12656 (7020405)
842420.0	57.11117 (7012205)
842370.0	61.64995 (7012821)
842320.0	62.48811 (7013007)
842270.0	112.46850 (7041524)
842220.0	114.07230 (7073104)
842170.0	109.99910 (7011108)
842120.0	108.92290 (7122405)
842070.0	91.44201 (7121924)
842020.0	45.53773 (7030820)
841970.0	31.79591 (7060218)
841920.0	29.20698 (7051908)
841870.0	28.50039 (7100808)
841820.0	27.47301 (7071608)
841770.0	28.39895 (7062218)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
830944.00	842198.00	113.20160	(7042410)	830944.00	842198.00	121.05190	(7103117)
830955.00	842096.00	42.13815	(7092014)	830955.00	842096.00	44.72976	(7103117)
831175.00	842043.00	23.13723	(7062217)	830787.00	842729.00	99.81964	(7062811)
830787.00	842729.00	102.41240	(7062811)	830787.00	842729.00	107.16750	(7062811)
830787.00	842729.00	113.11600	(7062811)	830787.00	842729.00	163.71700	(7120703)
830592.00	842499.00	37.59418	(7091417)	830856.00	842030.00	43.66195	(7042514)
830856.00	842030.00	45.76419	(7042514)	830794.00	841940.00	41.26965	(7111909)
830794.00	841940.00	42.24583	(7111909)	830733.00	842013.00	55.10081	(7040618)
830733.00	842013.00	56.46832	(7052908)	830668.00	842399.00	53.89408	(7102717)
830611.00	842391.00	53.28171	(7082418)	830730.40	842441.00	119.56270	(7092917)
830761.30	842315.00	54.89715	(7080911)	830788.00	842182.00	57.76448	(7100812)
830980.00	842042.00	35.42110	(7112517)	830980.00	842042.00	38.14127	(7112517)
830999.00	842008.00	35.22202	(7112517)	831342.00	842511.00	77.00372	(7020406)
831342.00	842511.00	76.05891	(7020406)	831342.00	842511.00	73.93061	(7020406)
831342.00	842511.00	69.33631	(7020406)	830780.00	842653.00	85.41123	(7070508)
830780.00	842653.00	86.68906	(7070508)				

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0	6.25801 (7031224)	6.01213 (7031224)	4.34189 (7031224)	3.22048 (7031224)	2.55300 (7070524)
842720.0	5.30308 (7031224)	6.84416 (7031224)	7.02813 (7031224)	5.52640 (7031224)	3.98398 (7031224)
842670.0	5.01110 (7030124)	5.60469 (7031224)	7.98444 (7031224)	9.65520 (7031224)	7.43722 (7031224)
842620.0	5.62582 (7030124)	6.45392 (7030124)	6.85378 (7030124)	9.46277 (7031224)	11.55352 (7031224)
842570.0	5.84336 (7031424)	6.18973 (7032424)	7.59655 (7030124)	8.03745 (7030124)	8.83207 (7031224)
842520.0	6.33013 (7031424)	7.44903 (7031424)	7.89769 (7031424)	8.48509 (7032424)	10.00821 (7030124)
842470.0	5.87569 (7021524)	6.45256 (7021524)	6.93520 (7031424)	9.77719 (7031424)	12.85913 (7031424)
842420.0	6.55585 (7092524)	7.41922 (7092524)	8.39107 (7092524)	9.20966 (7021524)	11.95068 (7021524)
842370.0	6.75260 (7092524)	7.99732 (7092524)	9.64253 (7092524)	11.16563 (7081724)	13.37076 (7081724)
842320.0	5.91040 (7092424)	14.57543 (7092424)	26.84712 (7100324)	31.16990 (7033024)	40.96258 (7033024)
842270.0	6.48061 (7100224)	14.60999 (7033024)	29.16937 (7033024)	25.13248 (7033024)	22.06004 (7110324)
842220.0	6.15001 (7100224)	14.47320 (7100224)	15.67254 (7121724)	16.48618 (7101324)	30.79206 (7013124)
842170.0	4.73442 (7100224)	6.86835 (7100124)	14.03759 (7013124)	26.20592 (7013124)	32.81331 (7013124)
842120.0	3.11561 (7100124)	4.02663 (7080924)	13.20166 (7013124)	17.17779 (7013124)	21.97554 (7013124)
842070.0	2.30502 (7080924)	5.01845 (7013124)	9.81659 (7013124)	9.64193 (7013124)	9.70366 (7012824)
842020.0	10.08355 (7013124)	9.39852 (7013124)	10.83291 (7013124)	6.73042 (7020124)	8.13264 (7040324)
841970.0	18.23269 (7013124)	18.28098 (7013124)	8.76487 (7013124)	7.10612 (7110124)	10.21868 (7040324)
841920.0	7.08007 (7013124)	5.15972 (7091524)	3.55030 (7110124)	7.11351 (7040324)	9.58992 (7040324)
841870.0	2.06533 (7112924)	1.50613 (7050424)	3.29729 (7040324)	6.67839 (7040324)	7.26613 (7040324)
841820.0	1.45750 (7112924)	2.38503 (7040324)	5.20566 (7040324)	6.94851 (7040324)	6.27525 (7040324)
841770.0	1.64504 (7110124)	3.98006 (7040324)	6.23173 (7040324)	6.36672 (7040324)	5.58193 (7040324)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0	6.10142 (7070524)	7.54086 (7070524)	6.13506 (7061124)	6.66236 (7061124)	7.58675 (7060824)
842720.0	4.42104 (7070524)	8.92348 (7070524)	7.03413 (7070524)	8.14960 (7061124)	18.30656 (7120324)
842670.0	4.73163 (7022424)	7.61105 (7070524)	10.23271 (7070524)	10.06387 (7061124)	35.47065 (7120324)

842620.0 |	10.76702 (7031224)	9.04798 (7070524)	28.43573 (7070524)	41.83936 (7061124)	42.18321 (7120324)
842570.0 |	26.81538 (7031224)	23.47632 (7031224)	51.59094 (7070524)	59.74562 (7061124)	64.76203 (7061124)
842520.0 |	19.64277 (7030124)	50.26611 (7031224)	23.53706 (7042924)	62.82912 (7070524)	65.58244 (7061124)
842470.0 |	14.68786 (7032424)	21.45236 (7030124)	57.60127 (7031224)	37.04606 (7022424)	31.17771 (7070524)
842420.0 |	20.29581 (7021524)	33.70162 (7021524)	46.33204 (7031424)	44.94107 (7032324)	48.71173 (7070524)
842370.0 |	23.11224 (7081724)	44.21968 (7081724)	39.12513 (7081724)	11.25114 (7082924)	7.68148 (7041824)
842320.0 |	27.91229 (7100224)	48.57644 (7100224)	20.99966 (7100124)	17.31897 (7020124)	67.83787 (7092324)
842270.0 |	22.59110 (7013124)	13.09281 (7080924)	16.91901 (7020124)	70.90229 (7040324)	70.40882 (7123024)
842220.0 |	39.75669 (7013124)	11.69749 (7020124)	40.84867 (7040324)	61.59118 (7040324)	38.71143 (7010524)
842170.0 |	24.92628 (7013124)	16.11151 (7040324)	36.08260 (7040324)	45.19007 (7092324)	24.52522 (7010524)
842120.0 |	14.30973 (7012824)	18.14897 (7040324)	35.86850 (7040324)	40.65549 (7092324)	19.45773 (7010524)
842070.0 |	12.03285 (7012824)	17.91162 (7040324)	28.90450 (7040324)	30.55058 (7092324)	16.10192 (7010524)
842020.0 |	18.91126 (7040324)	15.67175 (7040324)	13.95460 (7092324)	15.83502 (7092324)	9.39225 (7010524)
841970.0 |	9.90393 (7040324)	6.68653 (7040324)	8.01861 (7092324)	6.34432 (7092324)	5.84691 (7010524)
841920.0 |	7.56716 (7040324)	6.48981 (7040324)	8.73825 (7092324)	5.69559 (7092324)	5.58562 (7010524)
841870.0 |	6.26102 (7040324)	6.05519 (7040324)	8.65682 (7092324)	5.23407 (7011824)	5.32579 (7010524)
841820.0 |	5.82555 (7040324)	6.45789 (7092324)	7.55866 (7092324)	4.51735 (7010524)	4.79893 (7010524)
841770.0 |	5.43322 (7040324)	6.90862 (7092324)	6.49356 (7092324)	4.11608 (7010524)	4.35722 (7010524)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0 |	8.84404 (7071524)	33.74624 (7051624)	26.59518 (7101924)	33.01734 (7060524)	25.45625 (7050224)
842720.0 |	42.00188 (7071524)	38.13755 (7051624)	29.81147 (7060524)	34.71865 (7060524)	32.70502 (7050224)
842670.0 |	42.92575 (7071524)	40.52193 (7051624)	33.87701 (7060524)	35.63945 (7050224)	26.31996 (7072324)
842620.0 |	53.33839 (7071524)	42.05715 (7101924)	43.93948 (7060524)	35.08360 (7050224)	28.48637 (7071824)
842570.0 |	54.07309 (7051624)	47.04541 (7101924)	43.74195 (7050224)	34.79232 (7071824)	27.48833 (7072024)
842520.0 |	53.78062 (7051624)	57.98445 (7050224)	46.85398 (7071824)	34.96630 (7062424)	26.60138 (7062424)
842470.0 |	33.53949 (7070624)	60.62748 (7071824)	46.66299 (7062424)	42.70002 (7020424)	35.61763 (7020424)
842420.0 |	82.61675 (7052524)	53.98009 (7070924)	56.82539 (7020424)	43.57747 (7020424)	33.87898 (7041524)
842370.0 |	26.37875 (7051624)	40.73780 (7041524)	74.78747 (7041524)	61.61507 (7041524)	46.63106 (7041524)
842320.0 |	25.52075 (7081824)	16.10574 (7091824)	15.49590 (7060124)	29.89115 (7051824)	24.55451 (7013024)
842270.0 |	25.88905 (7081824)	10.83336 (7081824)	7.80224 (7032924)	10.74991 (7071324)	18.15356 (7051824)
842220.0 |	11.98191 (7081824)	10.14550 (7081824)	6.35145 (7062224)	7.24719 (7032924)	8.90813 (7041324)
842170.0 |	6.21819 (7012324)	7.52148 (7081824)	5.79045 (7050524)	5.67307 (7062224)	4.87464 (7032924)
842120.0 |	6.05978 (7012324)	6.73894 (7081824)	7.11012 (7081824)	4.13264 (7050524)	4.03658 (7062224)
842070.0 |	5.60922 (7012324)	5.64278 (7081824)	6.13330 (7081824)	4.22232 (7050524)	2.68369 (7062224)
842020.0 |	4.56338 (7012324)	4.03211 (7081824)	4.27453 (7081824)	3.75489 (7081824)	2.90355 (7050524)
841970.0 |	3.75389 (7012324)	2.91286 (7081824)	3.26586 (7081824)	2.99115 (7081824)	2.74065 (7050524)
841920.0 |	3.47065 (7011924)	2.74161 (7122924)	2.83147 (7081824)	2.67288 (7081824)	2.61928 (7081824)
841870.0 |	3.24310 (7011924)	2.66366 (7011724)	2.39278 (7081824)	2.37072 (7081824)	2.35509 (7081824)
841820.0 |	3.04103 (7011924)	2.62823 (7011724)	2.05399 (7011724)	2.10892 (7081824)	2.05551 (7081824)
841770.0 |	2.85958 (7011924)	2.53002 (7011724)	2.31719 (7011724)	1.85208 (7081824)	1.79526 (7081824)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831200.00	831250.00	831300.00	831350.00	831400.00
842770.0 |	29.57321 (7050224)	20.26202 (7072324)	17.50284 (7072024)	15.32135 (7071824)	14.00899 (7072024)
842720.0 |	23.13255 (7072324)	18.79421 (7071824)	19.83173 (7071824)	14.37824 (7071824)	17.44707 (7072324)
842670.0 |	22.49690 (7071824)	19.85715 (7072324)	16.89063 (7072324)	14.91557 (7072324)	14.06739 (7062424)
842620.0 |	23.47613 (7072324)	18.53288 (7072324)	16.43844 (7022324)	16.30550 (7022324)	15.35298 (7022324)
842570.0 |	21.29948 (7072324)	17.89939 (7022324)	18.12877 (7022324)	17.36558 (7072224)	15.65738 (7020424)
842520.0 |	25.21645 (7020424)	21.38861 (7020424)	18.29181 (7020424)	20.01606 (7020424)	18.52829 (7020424)
842470.0 |	27.68196 (7020424)	24.32173 (7020424)	24.16860 (7020424)	20.21769 (7020424)	13.78439 (7020424)
842420.0 |	35.66433 (7041524)	30.70976 (7041524)	26.14541 (7041524)	22.59338 (7041524)	19.97460 (7041524)
842370.0 |	38.15197 (7041524)	32.78440 (7041524)	30.09343 (7041524)	27.14195 (7041524)	24.82478 (7041524)
842320.0 |	28.02557 (7041524)	29.47811 (7041524)	29.51007 (7041524)	30.35604 (7041524)	27.54214 (7041524)
842270.0 |	17.54815 (7051824)	15.00281 (7051824)	10.47391 (7013024)	4.88334 (7013024)	11.51673 (7041524)
842220.0 |	9.17822 (7043024)	6.50357 (7043024)	8.00014 (7020924)	8.76563 (7013024)	10.99007 (7013024)
842170.0 |	3.88433 (7032924)	4.09901 (7071324)	8.32791 (7043024)	10.69388 (7051824)	9.97996 (7043024)
842120.0 |	3.29017 (7032924)	2.83341 (7032924)	5.74193 (7043024)	11.54951 (7043024)	8.16424 (7043024)
842070.0 |	3.07607 (7062224)	2.55506 (7032924)	4.39588 (7091824)	7.06483 (7043024)	6.00220 (7043024)
842020.0 |	2.52459 (7062224)	2.60361 (7062224)	2.32257 (7100824)	2.43367 (7091824)	2.30792 (7091824)
841970.0 |	2.20372 (7050524)	2.19701 (7062224)	2.03512 (7062224)	1.52685 (7032924)	1.35156 (7032924)
841920.0 |	2.23589 (7050524)	1.75753 (7040824)	2.03713 (7062224)	1.82958 (7062224)	1.25994 (7032924)
841870.0 |	2.18107 (7081824)	1.77559 (7050524)	1.57199 (7062224)	1.90091 (7062224)	1.64988 (7062224)
841820.0 |	2.15715 (7081824)	1.73328 (7050524)	1.62284 (7040824)	1.56698 (7062224)	1.79373 (7062224)
841770.0 |	1.92459 (7081824)	1.88467 (7081824)	1.42899 (7050524)	1.56139 (7040824)	1.53750 (7062224)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART1 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 831450.00
842770.0 |	15.63507 (7072324)
842720.0 |	12.84710 (7022324)
842670.0 |	14.07508 (7022324)
842620.0 |	14.13048 (7072224)
842570.0 |	15.71455 (7020424)
842520.0 |	16.56262 (7020424)

842470.0 |	12.08278 (7020424)			
842420.0 |	18.12222 (7041524)			
842370.0 |	23.03243 (7041524)			
842320.0 |	24.01370 (7041524)			
842270.0 |	17.37727 (7041524)			
842220.0 |	13.43852 (7013024)			
842170.0 |	6.60618 (7013024)			
842120.0 |	4.76499 (7100724)			
842070.0 |	4.66361 (7043024)			
842020.0 |	2.26238 (7071324)			
841970.0 |	1.18843 (7032924)			
841920.0 |	1.12208 (7032924)			
841870.0 |	1.20736 (7100824)			
841820.0 |	1.52156 (7062224)			
841770.0 |	1.68343 (7062224)			

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830450.00	830500.00	830550.00	830600.00	830650.00
842770.0 |	6.30092 (7031224)	6.05481 (7031224)	4.36447 (7031224)	3.23246 (7031224)	2.64350 (7070524)
842720.0 |	5.32145 (7031224)	6.89360 (7031224)	7.09200 (7031224)	5.55334 (7031224)	3.98990 (7031224)
842670.0 |	5.06992 (7030124)	5.63856 (7031224)	8.05517 (7031224)	9.74536 (7031224)	7.45598 (7031224)
842620.0 |	5.74400 (7030124)	6.56832 (7030124)	6.94702 (7030124)	9.57683 (7031224)	11.76616 (7031224)
842570.0 |	6.01933 (7031424)	6.27372 (7030124)	7.80320 (7030124)	8.28120 (7030124)	9.13247 (7031224)
842520.0 |	6.43651 (7031424)	7.64059 (7031424)	8.19591 (7031424)	8.65498 (7032424)	10.54021 (7030124)
842470.0 |	5.95144 (7021524)	6.56616 (7021524)	7.06577 (7031424)	10.06830 (7031424)	13.53881 (7031424)
842420.0 |	6.64672 (7092524)	7.54874 (7092524)	8.58443 (7092524)	9.49726 (7021524)	12.62729 (7021524)
842370.0 |	6.85639 (7100324)	8.14491 (7100324)	9.88222 (7100324)	11.18035 (7081724)	13.53514 (7081724)
842320.0 |	6.03001 (7092424)	14.52068 (7092424)	26.76775 (7100324)	32.73780 (7033024)	42.67132 (7033024)
842270.0 |	6.56870 (7100224)	15.88250 (7033024)	29.34694 (7033024)	25.77801 (7033024)	23.19153 (7110324)
842220.0 |	6.23979 (7100224)	14.26468 (7100224)	16.09728 (7121724)	17.71832 (7101324)	31.17558 (7013124)
842170.0 |	4.76836 (7100224)	6.75834 (7100124)	14.97256 (7013124)	26.88371 (7013124)	33.24829 (7013124)
842120.0 |	3.12086 (7100124)	3.97009 (7080924)	14.62835 (7013124)	18.41061 (7013124)	23.16393 (7013124)
842070.0 |	2.30123 (7080924)	6.06412 (7013124)	11.55572 (7013124)	11.12187 (7013124)	10.25319 (7012824)
842020.0 |	11.51295 (7013124)	10.72717 (7013124)	11.91067 (7013124)	7.28113 (7020124)	8.21950 (7110124)
841970.0 |	18.07662 (7013124)	18.50858 (7013124)	9.32703 (7013124)	7.81499 (7110124)	10.17245 (7040324)
841920.0 |	7.80532 (7013124)	5.66046 (7091524)	3.89341 (7110124)	7.05240 (7040324)	9.62182 (7040324)
841870.0 |	2.09677 (7112924)	1.51274 (7020124)	3.30122 (7040324)	6.71011 (7040324)	7.32818 (7040324)
841820.0 |	1.48180 (7112924)	2.37687 (7040324)	5.21094 (7040324)	6.98554 (7040324)	6.31701 (7040324)
841770.0 |	1.74739 (7110124)	3.97168 (7040324)	6.24385 (7040324)	6.39976 (7040324)	5.60140 (7040324)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830700.00	830750.00	830800.00	830850.00	830900.00
842770.0 |	6.39225 (7070524)	7.77038 (7070524)	6.60400 (7061124)	7.81626 (7061124)	8.81682 (7060824)
842720.0 |	4.57755 (7070524)	9.28583 (7070524)	7.43348 (7070524)	9.50835 (7061124)	20.14448 (7120324)
842670.0 |	4.77527 (7022424)	7.95701 (7070524)	10.68886 (7070524)	11.73104 (7061124)	36.60699 (7120324)
842620.0 |	10.71323 (7031224)	10.21224 (7070524)	30.91566 (7070524)	45.62390 (7061124)	44.05914 (7120324)
842570.0 |	26.66017 (7031224)	24.44330 (7031224)	54.61790 (7070524)	63.11583 (7061124)	71.11150 (7061124)
842520.0 |	19.84312 (7030124)	48.86023 (7031224)	28.22485 (7042924)	69.71927 (7070524)	74.50713 (7061124)
842470.0 |	15.40602 (7032424)	23.93106 (7030124)	60.05410 (7031224)	37.36384 (7022424)	34.65631 (7062624)
842420.0 |	21.41106 (7021524)	34.77675 (7021524)	58.21085 (7031424)	85.85126 (7030124)	118.05130 (7070524)
842370.0 |	22.86111 (7081724)	46.61428 (7100324)	45.43040 (7081724)	19.87852 (7100224)	179.66320 (7020124)
842320.0 |	28.78290 (7100224)	46.42006 (7100224)	26.07866 (7100124)	24.60000 (7020124)	170.06230 (7092324)
842270.0 |	23.59046 (7013124)	12.99092 (7080924)	16.43877 (7020124)	80.48130 (7040324)	83.42143 (7123024)
842220.0 |	41.35048 (7013124)	12.40908 (7020124)	38.54329 (7040324)	57.79286 (7040324)	40.80289 (7010524)
842170.0 |	27.13166 (7013124)	17.49199 (7012824)	35.23251 (7040324)	43.47339 (7092324)	25.54028 (7010524)
842120.0 |	15.03769 (7012824)	18.01653 (7040324)	35.28629 (7040324)	39.57965 (7092324)	20.16006 (7010524)
842070.0 |	12.82443 (7012824)	17.79924 (7040324)	28.69259 (7040324)	30.03719 (7092324)	16.71194 (7010524)
842020.0 |	18.63194 (7040324)	15.50609 (7040324)	13.85626 (7092324)	15.87661 (7092324)	9.72641 (7010524)
841970.0 |	9.99476 (7040324)	6.84458 (7040324)	8.23723 (7092324)	6.56544 (7092324)	6.04277 (7010524)
841920.0 |	7.64161 (7040324)	6.59118 (7040324)	8.89473 (7092324)	5.83042 (7092324)	5.75555 (7010524)
841870.0 |	6.31478 (7040324)	6.12382 (7040324)	8.77003 (7092324)	5.30950 (7011824)	5.48240 (7010524)
841820.0 |	5.85467 (7040324)	6.50657 (7092324)	7.65005 (7092324)	4.61532 (7010524)	4.93437 (7010524)
841770.0 |	5.45095 (7040324)	6.95741 (7092324)	6.56487 (7092324)	4.20691 (7010524)	4.47527 (7010524)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 830950.00	831000.00	831050.00	831100.00	831150.00
842770.0 |	11.01619 (7051624)	34.33936 (7051624)	26.32518 (7101924)	33.60948 (7060524)	25.43851 (7050224)
842720.0 |	43.20866 (7071524)	39.00358 (7051624)	29.80164 (7060524)	34.55946 (7060524)	32.89539 (7050224)
842670.0 |	43.92046 (7071524)	41.22009 (7051624)	34.28173 (7060524)	35.87170 (7050224)	26.21364 (7072324)
842620.0 |	56.02235 (7071524)	43.43413 (7101924)	47.04726 (7060524)	35.79842 (7050224)	28.66489 (7071824)
842570.0 |	57.90710 (7051624)	49.93679 (7101924)	45.62915 (7050224)	35.55353 (7071824)	28.14548 (7072024)
842520.0 |	62.31645 (7051624)	62.41929 (7050224)	48.98864 (7071824)	36.66240 (7062424)	27.22497 (7062424)
842470.0 |	38.18303 (7072024)	68.66770 (7071824)	49.71605 (7062424)	44.72287 (7020424)	36.40574 (7020424)
842420.0 |	105.58280 (7052524)	68.05307 (7070924)	61.84796 (7020424)	45.48463 (7020424)	34.77257 (7041524)
842370.0 |	49.24049 (7051624)	49.01239 (7041524)	81.66835 (7041524)	64.10036 (7041524)	47.73397 (7041524)

842320.0 |	29.88228 (7091824)	22.83337 (7091824)	16.33643 (7060124)	30.87067 (7051824)	25.90456 (7041524)
842270.0 |	34.61018 (7110624)	11.48829 (7081824)	7.97043 (7032924)	12.73000 (7043024)	18.92378 (7051824)
842220.0 |	13.14967 (7122924)	10.83358 (7081824)	6.79186 (7062224)	7.29922 (7032924)	10.16892 (7041324)
842170.0 |	6.33935 (7012324)	7.68609 (7081824)	6.01146 (7081824)	5.92824 (7062224)	4.86961 (7032924)
842120.0 |	6.14932 (7012324)	6.77788 (7081824)	7.30479 (7081824)	4.42318 (7040824)	4.17443 (7062224)
842070.0 |	5.70445 (7012324)	5.64726 (7081824)	6.20304 (7081824)	4.28426 (7050524)	2.74614 (7062224)
842020.0 |	4.61835 (7012324)	4.03205 (7081824)	4.29045 (7081824)	3.83476 (7081824)	2.90657 (7050524)
841970.0 |	3.78478 (7012324)	2.91202 (7081824)	3.26793 (7081824)	3.02951 (7081824)	2.75791 (7050524)
841920.0 |	3.52570 (7011924)	2.80533 (7122924)	2.82896 (7081824)	2.68599 (7081824)	2.65953 (7081824)
841870.0 |	3.30044 (7011924)	2.74012 (7011724)	2.38937 (7081824)	2.37259 (7081824)	2.37829 (7081824)
841820.0 |	3.09928 (7011924)	2.69212 (7011724)	2.12876 (7012524)	2.10704 (7081824)	2.06518 (7081824)
841770.0 |	2.91662 (7011924)	2.58390 (7011724)	2.37677 (7011724)	1.95389 (7012524)	1.79768 (7081824)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	831200.00	831250.00	831300.00	831350.00	831400.00
842770.0 |	29.73430 (7050224)	20.06151 (7072324)	17.33144 (7072024)	15.37809 (7071824)	14.17436 (7072024)
842720.0 |	22.81586 (7072324)	18.52425 (7071824)	19.76943 (7071824)	14.55068 (7072024)	17.55187 (7072324)
842670.0 |	22.34589 (7071824)	19.64354 (7072324)	17.06156 (7072024)	15.35309 (7072324)	13.88039 (7062424)
842620.0 |	23.49982 (7072324)	18.39278 (7072324)	16.19605 (7022324)	16.00260 (7022324)	15.01510 (7022324)
842570.0 |	21.42790 (7072324)	17.82737 (7022324)	17.95511 (7022324)	17.10943 (7072224)	15.30914 (7020424)
842520.0 |	25.37915 (7020424)	21.30379 (7020424)	18.07100 (7020424)	19.74354 (7020424)	18.17961 (7020424)
842470.0 |	28.00780 (7020424)	24.42740 (7020424)	24.15269 (7020424)	20.00822 (7020424)	13.56973 (7020424)
842420.0 |	36.08635 (7041524)	30.73532 (7041524)	25.96300 (7041524)	22.30489 (7041524)	19.63658 (7041524)
842370.0 |	38.57336 (7041524)	32.81673 (7041524)	29.97247 (7041524)	26.89588 (7041524)	24.49115 (7041524)
842320.0 |	29.40215 (7041524)	30.28647 (7041524)	29.80086 (7041524)	30.60053 (7041524)	27.44987 (7041524)
842270.0 |	17.74148 (7051824)	15.04010 (7051824)	11.17933 (7013024)	5.65193 (7013024)	12.37530 (7041524)
842220.0 |	10.30441 (7043024)	7.03307 (7043024)	8.39293 (7020924)	9.12999 (7013024)	11.09263 (7013024)
842170.0 |	3.87781 (7032924)	4.19678 (7071324)	9.12038 (7043024)	10.86516 (7051824)	10.03493 (7043024)
842120.0 |	3.28610 (7032924)	2.82821 (7032924)	6.45853 (7043024)	11.51748 (7043024)	8.61160 (7043024)
842070.0 |	3.15738 (7062224)	2.55033 (7032924)	5.10181 (7091824)	7.36352 (7043024)	6.51831 (7043024)
842020.0 |	2.57957 (7062224)	2.65468 (7062224)	2.61496 (7100824)	2.77499 (7091824)	2.62923 (7091824)
841970.0 |	2.20190 (7050524)	2.23945 (7062224)	2.06938 (7062224)	1.52480 (7032924)	1.34978 (7032924)
841920.0 |	2.24380 (7050524)	1.81239 (7040824)	2.06940 (7062224)	1.85272 (7062224)	1.29416 (7100824)
841870.0 |	2.20837 (7081824)	1.77665 (7050524)	1.59230 (7062224)	1.92450 (7062224)	1.66562 (7062224)
841820.0 |	2.17889 (7081824)	1.75110 (7050524)	1.67678 (7040824)	1.58360 (7062224)	1.81032 (7062224)
841770.0 |	1.93773 (7081824)	1.89950 (7081824)	1.43729 (7050524)	1.61257 (7040824)	1.55011 (7062224)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART2 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	831450.00
842770.0 |	15.58851 (7072324)
842720.0 |	12.61700 (7062424)
842670.0 |	13.73588 (7022324)
842620.0 |	13.79261 (7072224)
842570.0 |	15.33012 (7020424)
842520.0 |	16.18020 (7020424)
842470.0 |	11.82941 (7020424)
842420.0 |	17.76804 (7041524)
842370.0 |	22.64158 (7041524)
842320.0 |	23.61906 (7041524)
842270.0 |	17.90224 (7041524)
842220.0 |	13.47686 (7013024)
842170.0 |	6.88380 (7013024)
842120.0 |	5.32300 (7100724)
842070.0 |	5.00817 (7043024)
842020.0 |	2.27859 (7071324)
841970.0 |	1.19016 (7060224)
841920.0 |	1.12078 (7032924)
841870.0 |	1.28659 (7100824)
841820.0 |	1.53201 (7062224)
841770.0 |	1.69473 (7062224)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	830450.00	830500.00	830550.00	830600.00	830650.00
842770.0 |	6.88988 (7031224)	6.61654 (7031224)	4.54037 (7031224)	3.84118 (7042924)	4.00313 (7070524)
842720.0 |	5.47831 (7031224)	7.47523 (7031224)	7.82670 (7031224)	5.72992 (7031224)	4.80280 (7042924)
842670.0 |	5.60495 (7030124)	5.88185 (7032424)	8.73646 (7031224)	10.83880 (7031224)	7.48228 (7031224)
842620.0 |	7.09804 (7030124)	7.73343 (7030124)	7.91032 (7032424)	10.42401 (7031224)	13.59604 (7031224)
842570.0 |	7.60557 (7031424)	8.17754 (7030124)	10.05205 (7030124)	10.27420 (7030124)	11.10773 (7031224)
842520.0 |	7.33786 (7031424)	9.29875 (7031424)	10.82489 (7031424)	10.83600 (7030124)	15.15527 (7030124)
842470.0 |	6.49716 (7021524)	7.28487 (7021524)	8.06882 (7031424)	12.17702 (7031424)	18.42444 (7031424)
842420.0 |	7.46504 (7082824)	8.65328 (7082824)	10.05469 (7082824)	11.62260 (7021524)	16.38862 (7021524)
842370.0 |	9.57365 (7100324)	11.54413 (7100324)	14.15920 (7100324)	15.93400 (7100324)	18.50055 (7100324)
842320.0 |	7.02228 (7092424)	23.92311 (7033024)	34.99444 (7033024)	40.59155 (7033024)	46.80458 (7033024)
842270.0 |	7.20719 (7100224)	27.47767 (7033024)	25.29418 (7033024)	23.59615 (7033024)	27.06920 (7062524)
842220.0 |	6.94120 (7100224)	15.91712 (7080624)	21.55893 (7033024)	21.81967 (7110324)	27.44931 (7013124)

842170.0 |	4.99417 (7100224)	9.19836 (7110324)	18.56088 (7013124)	30.84858 (7013124)	39.38028 (7013124)
842120.0 |	3.13235 (7100124)	7.44706 (7090724)	28.12482 (7013124)	33.15115 (7013124)	28.43547 (7013124)
842070.0 |	2.97974 (7013124)	15.85338 (7013124)	25.60007 (7013124)	21.32557 (7013124)	13.87473 (7012824)
842020.0 |	22.41441 (7013124)	20.96160 (7013124)	19.51221 (7013124)	12.82888 (7091524)	13.45787 (7110124)
841970.0 |	20.42746 (7013124)	21.71050 (7013124)	13.65525 (7013124)	12.93129 (7110124)	9.68936 (7040324)
841920.0 |	13.33867 (7013124)	9.49866 (7091524)	6.69434 (7110124)	6.51760 (7092024)	9.82187 (7040324)
841870.0 |	3.09953 (7020124)	2.13394 (7020124)	3.30928 (7040324)	6.93793 (7040324)	7.82334 (7040324)
841820.0 |	2.51691 (7091524)	3.19162 (7110124)	5.22839 (7040324)	7.27096 (7040324)	6.64906 (7040324)
841770.0 |	2.81828 (7110124)	3.88257 (7040324)	6.31953 (7040324)	6.65764 (7040324)	5.74953 (7040324)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	830700.00	830750.00	830800.00	830850.00	830900.00
842770.0 |	10.18750 (7070524)	12.76161 (7061524)	11.85282 (7061124)	20.05533 (7061124)	28.31403 (7071424)
842720.0 |	6.80141 (7070524)	13.82186 (7070524)	12.10355 (7070524)	24.53426 (7061124)	34.01857 (7120324)
842670.0 |	6.09528 (7070524)	12.65817 (7070524)	16.36547 (7070524)	30.91200 (7061124)	39.06149 (7013124)
842620.0 |	12.00567 (7042924)	26.14520 (7051424)	46.78538 (7070524)	64.47136 (7061124)	46.11547 (7060224)
842570.0 |	27.94678 (7031224)	37.15637 (7053124)	58.86031 (7070524)	66.40167 (7061124)	84.86454 (7061124)
842520.0 |	25.66161 (7032424)	53.00790 (7022724)	53.33797 (7070524)	81.99313 (7070524)	99.60740 (7061124)
842470.0 |	23.69125 (7031424)	38.26489 (7030124)	56.07675 (7052024)	89.97623 (7070524)	103.31570 (7061124)
842420.0 |	24.62201 (7091124)	47.34058 (7121524)	98.58843 (7031424)	197.26760 (7052224)	383.11330 (7070524)
842370.0 |	29.96269 (7102424)	72.72921 (7100324)	83.10926 (7100324)	212.30290 (7092424)	1224.22400 (7013124)
842320.0 |	47.70230 (7033024)	29.87823 (7100224)	27.03045 (7100124)	48.38541 (7012724)	215.73960 (7123024)
842270.0 |	24.59314 (7102424)	28.68131 (7013124)	20.20297 (7012724)	68.73560 (7040324)	92.93867 (7010524)
842220.0 |	47.21277 (7013124)	31.81505 (7013124)	35.51826 (7012824)	50.84686 (7071024)	55.15236 (7010524)
842170.0 |	35.38220 (7013124)	27.82510 (7012824)	39.05703 (7050624)	50.66857 (7123124)	35.80800 (7010524)
842120.0 |	19.95766 (7012824)	28.43361 (7050624)	32.81088 (7123124)	36.55927 (7123124)	28.40844 (7010524)
842070.0 |	17.83000 (7050624)	29.14948 (7050624)	38.41682 (7071024)	33.69154 (7123024)	23.58721 (7010524)
842020.0 |	17.59359 (7050624)	14.11668 (7040324)	13.92886 (7040324)	17.24906 (7123024)	13.37135 (7010524)
841970.0 |	10.65768 (7040324)	8.04239 (7040324)	9.91083 (7092324)	8.33024 (7092324)	8.04463 (7010524)
841920.0 |	8.21859 (7040324)	7.37710 (7040324)	10.14693 (7092324)	7.07930 (7123024)	7.52981 (7010524)
841870.0 |	6.73253 (7040324)	6.66562 (7040324)	9.69577 (7092324)	6.69737 (7123024)	7.10169 (7010524)
841820.0 |	6.07221 (7040324)	6.89001 (7092324)	8.40824 (7092324)	5.73804 (7010524)	6.31071 (7010524)
841770.0 |	5.57734 (7040324)	7.34522 (7092324)	7.16054 (7092324)	5.23092 (7010524)	5.65598 (7010524)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	830950.00	831000.00	831050.00	831100.00	831150.00
842770.0 |	29.50826 (7051624)	40.50435 (7051624)	21.46190 (7101924)	33.00386 (7060524)	30.80685 (7050224)
842720.0 |	44.90833 (7071524)	37.56938 (7051624)	25.13555 (7060524)	28.78920 (7060524)	30.02419 (7050224)
842670.0 |	38.45148 (7071524)	36.47953 (7051624)	29.75183 (7060524)	30.87146 (7050224)	22.01214 (7072324)
842620.0 |	55.87513 (7071524)	41.67899 (7051624)	54.58132 (7060524)	31.85559 (7050224)	24.95043 (7071824)
842570.0 |	62.50531 (7051624)	49.19829 (7101924)	44.33315 (7060524)	31.85711 (7071824)	25.17219 (7072024)
842520.0 |	83.46696 (7051624)	61.28381 (7072024)	45.97474 (7071824)	36.01855 (7072024)	23.99355 (7062424)
842470.0 |	85.06053 (7050224)	82.47449 (7071824)	56.21400 (7072324)	41.60989 (7020424)	32.94799 (7020424)
842420.0 |	247.76130 (7062524)	107.12160 (7070924)	60.99796 (7020424)	40.89853 (7020424)	32.61369 (7041524)
842370.0 |	130.19470 (7081424)	117.51020 (7041524)	92.11950 (7041524)	61.54997 (7041524)	44.27278 (7041524)
842320.0 |	90.00004 (7100524)	41.22734 (7043024)	34.06205 (7051824)	29.95956 (7071824)	32.44621 (7060424)
842270.0 |	75.95146 (7110624)	42.03786 (7100524)	19.56472 (7031124)	29.37068 (7043024)	23.70126 (7041524)
842220.0 |	24.26142 (7012524)	27.36445 (7100524)	15.97800 (7020624)	17.79098 (7100824)	20.44773 (7041324)
842170.0 |	11.37045 (7122924)	9.06997 (7081824)	12.46711 (7100524)	12.73683 (7020624)	13.82696 (7100824)
842120.0 |	9.16462 (7103124)	11.51466 (7012524)	17.40062 (7100524)	8.01450 (7040824)	6.07357 (7100524)
842070.0 |	7.77849 (7012324)	11.26615 (7012524)	12.76857 (7120524)	9.45350 (7100524)	3.50554 (7040824)
842020.0 |	5.81100 (7012324)	5.55202 (7012524)	5.00936 (7012524)	4.58506 (7100524)	3.17959 (7040824)
841970.0 |	4.60531 (7011924)	3.78464 (7011724)	3.70065 (7012524)	3.36054 (7081824)	3.42214 (7100524)
841920.0 |	4.37523 (7011924)	3.78795 (7011724)	3.66443 (7012524)	2.79885 (7081824)	2.99443 (7081824)
841870.0 |	4.12309 (7011924)	3.57686 (7011724)	3.30457 (7012524)	2.60907 (7012524)	2.57347 (7081824)
841820.0 |	4.06011 (7111924)	3.43569 (7103124)	3.08749 (7012524)	3.19136 (7012524)	2.14548 (7081824)
841770.0 |	4.05867 (7111924)	3.24994 (7103124)	3.07232 (7121424)	3.54033 (7012524)	2.17180 (7112224)

**MODELOPTs: CONC RURAL ELEV FLGPOL GRDRIS NOCALM MSGPRO

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): P1A , P1B , P2 , P3 , P4 , P5 ,

*** NETWORK ID: CART3 ; NETWORK TYPE: GRIDCART ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Y-COORD (METERS) |	831200.00	831250.00	831300.00	831350.00	831400.00
842770.0 |	27.71061 (7050224)	17.39662 (7072324)	14.90457 (7072024)	17.13539 (7071824)	14.50913 (7072024)
842720.0 |	18.80744 (7072324)	15.42766 (7071824)	17.67952 (7071824)	16.70722 (7072024)	16.82284 (7072324)
842670.0 |	18.95070 (7071824)	16.36279 (7072324)	16.19091 (7072024)	18.80354 (7022324)	14.85182 (7072224)
842620.0 |	20.15464 (7072324)	15.39126 (7072324)	13.05103 (7022324)	12.77525 (7022324)	11.88536 (7022324)
842570.0 |	18.55910 (7072324)	14.73112 (7022324)	14.72080 (7072224)	13.90870 (7072224)	12.10436 (7020424)
842520.0 |	21.61985 (7020424)	18.06866 (7072224)	14.65574 (7020424)	15.94846 (7020424)	14.49716 (7020424)
842470.0 |	24.16174 (7020424)	20.56967 (7020424)	20.10490 (7020424)	16.28539 (7020424)	11.32538 (7081224)
842420.0 |	32.29277 (7041524)	26.84691 (7041524)	22.21143 (7041524)	18.78245 (7041524)	16.34609 (7041524)
842370.0 |	34.70901 (7041524)	28.82638 (7041524)	25.98869 (7041524)	22.93111 (7041524)	20.58214 (7041524)
842320.0 |	27.86107 (7041524)	27.47620 (7041524)	26.37366 (7041524)	28.24257 (7041524)	24.47022 (7041524)
842270.0 |	23.27422 (7041524)	24.02580 (7041524)	14.01233 (7051824)	11.73938 (7013024)	17.85244 (7041524)
842220.0 |	20.42770 (7043024)	13.53842 (7051824)	14.80901 (7051824)	11.28195 (7013024)	12.15074 (7071424)
842170.0 |	9.47025 (7041324)	6.57801 (7043024)	15.06311 (7043024)	12.60538 (7051824)	13.37950 (7051824)
842120.0 |	6.50933 (7100824)	5.93021 (7031124)	11.97227 (7043024)	12.83720 (7043024)	11.75965 (7043024)
842070.0 |	3.80539 (7062224)	5.64877 (7100824)	12.67703 (7031124)	11.67796 (7041324)	10.29199 (7043024)

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 842020.0 |      3.05173 ( 7062224)      3.06537 ( 7062224)      5.71826 ( 7100824)      6.78539 ( 7031124)      6.04459 ( 7031124)
 841970.0 |      2.86068 ( 7040824)      2.60193 ( 7062224)      2.35269 ( 7062224)      2.44784 ( 7100824)      1.79325 ( 7100824)
 841920.0 |      2.79735 ( 7100524)      2.44384 ( 7040824)      2.34227 ( 7062224)      2.04418 ( 7062224)      2.30742 ( 7100824)
 841870.0 |      3.34561 ( 7100524)      2.20936 ( 7040824)      1.94982 ( 7040824)      2.12281 ( 7062224)      1.79599 ( 7062224)
 841820.0 |      2.61591 ( 7100524)      3.18143 ( 7100524)      2.28057 ( 7040824)      1.72465 ( 7062224)      1.94897 ( 7062224)
 841770.0 |      2.52701 ( 7091924)      3.34856 ( 7100524)      2.54444 ( 7100524)      2.16267 ( 7040824)      1.75754 ( 7020624)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  69
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO

                             *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                  *** NETWORK ID: CART3    ;  NETWORK TYPE: GRIDCART ***

                                      ** CONC OF NOX      IN MICROGRAMS/M**3                          **

 Y-COORD  |                                          X-COORD (METERS)
 (METERS) |       831450.00
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 842770.0 |     14.45213 ( 7072324)
 842720.0 |     10.63747 ( 7062424)
 842670.0 |     11.11951 ( 7022324)
 842620.0 |     10.95205 ( 7072224)
 842570.0 |     12.05785 ( 7020424)
 842520.0 |     12.76740 ( 7020424)
 842470.0 |      9.80573 ( 7081224)
 842420.0 |     14.72581 ( 7041524)
 842370.0 |     18.81881 ( 7041524)
 842320.0 |     19.50701 ( 7041524)
 842270.0 |     19.56340 ( 7041524)
 842220.0 |     12.54980 ( 7013024)
 842170.0 |      9.36345 ( 7013024)
 842120.0 |      8.62630 ( 7100724)
 842070.0 |      7.75849 ( 7043024)
 842020.0 |      3.78378 ( 7043024)
 841970.0 |      2.25367 ( 7091824)
 841920.0 |      1.92434 ( 7100824)
 841870.0 |      2.16081 ( 7100824)
 841820.0 |      1.61837 ( 7062224)
 841770.0 |      1.78884 ( 7062224)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  70
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO

                             *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):      P1A     , P1B     , P2      , P3      , P4      , P5      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF NOX      IN MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       830944.00    842198.00       16.74120  ( 7122924)               830944.00    842198.00       17.20690  ( 7122924)
       830955.00    842096.00        5.94492  ( 7012324)               830955.00    842096.00        6.06371  ( 7122924)
       831175.00    842043.00        2.03143  ( 7050524)               830787.00    842729.00       17.79067  ( 7070524)
       830787.00    842729.00       19.80534  ( 7070524)               830787.00    842729.00       23.75349  ( 7070524)
       830787.00    842729.00       28.69121  ( 7070524)               830787.00    842729.00       33.44197  ( 7070524)
       830592.00    842499.00       10.48063  ( 7031424)               830856.00    842030.00       12.52999  ( 7092324)
       830856.00    842030.00       12.71643  ( 7092324)               830794.00    841940.00       11.82824  ( 7092324)
       830794.00    841940.00       11.88302  ( 7092324)               830733.00    842013.00       15.68957  ( 7040324)
       830733.00    842013.00       15.56664  ( 7040324)               830668.00    842399.00       14.63674  ( 7092524)
       830611.00    842391.00       13.89699  ( 7092524)               830730.40    842441.00       35.50080  ( 7031424)
       830761.30    842315.00       12.62149  ( 7100224)               830788.00    842182.00       22.81294  ( 7040324)
       830980.00    842042.00        4.69074  ( 7122924)               830980.00    842042.00        4.82203  ( 7122924)
       830999.00    842008.00        3.89271  ( 7081824)               831342.00    842511.00       18.29755  ( 7020424)
       831342.00    842511.00       18.05920  ( 7020424)               831342.00    842511.00       17.53507  ( 7020424)
       831342.00    842511.00       16.43278  ( 7020424)               830780.00    842653.00       13.94376  ( 7070524)
       830780.00    842653.00       14.75869  ( 7070524)
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  71
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO

                                         *** THE SUMMARY OF MAXIMUM PERIOD (  8760 HRS) RESULTS ***


                                      ** CONC OF NOX      IN MICROGRAMS/M**3                          **

                                                                                             NETWORK
GROUP ID                        AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      1ST HIGHEST VALUE IS     109.91370 AT (  830900.00,   842370.00,     16.85,     13.40)  GC   CART3
         2ND HIGHEST VALUE IS      46.09553 AT (  830900.00,   842420.00,     20.92,     13.40)  GC   CART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
                      BD = BOUNDARY
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  72
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO

                                            *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***


                                      ** CONC OF NOX      IN MICROGRAMS/M**3                          **

                                                   DATE                                                      NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)              RECEPTOR  (XR, YR, ZELEV, ZFLAG)     OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH  1ST HIGH VALUE IS    5489.39200  ON  7031823: AT (  830900.00,   842370.00,     16.85,     13.40)  GC   CART3


 *** RECEPTOR TYPES:  GC = GRIDCART
```



```
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
                      BD = BOUNDARY
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  73
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO

                                             *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                      ** CONC OF NOX      IN MICROGRAMS/M**3                          **

                                                   DATE                                                      NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)              RECEPTOR  (XR, YR, ZELEV, ZFLAG)     OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH  1ST HIGH VALUE IS    1224.22400  ON  7013124: AT (  830900.00,   842370.00,     16.85,     13.40)  GC   CART3


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
                      BD = BOUNDARY
 *** ISCST3 - VERSION 96113 ***    ***  Poultry Slaughtering and Processing Plant in Sheung Shui           ***        05/06/09
                                   ***                                                                     ***        10:00:00
                                                                                                                      PAGE  74
**MODELOPTs: CONC                         RURAL  ELEV   FLGPOL       GRDRIS              NOCALM MSGPRO


*** Message Summary : ISCST3 Model Execution ***

 --------- Summary of Total Messages --------

A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of         78 Informational Message(s)

A Total of         78 Calm Hours Identified


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
CO W205    17 FLAGDF:No Option Parameter Setting.  Forced by Default to ZFLAG=0.

   ************************************
   *** ISCST3 Finishes Successfully ***
   ************************************
```

Appendix 2-1

Construction Noise – Unmitigated Scenario

Plant Inventory of Construction Noise - Unmitigated Scenario

A - Site Formation / Foundation

PME	CNP Ref / Other PME [1]	Number	SWL, dB(A)	% on time with any 30 minutes	SWL with corrections, dB(A)	Total SWL, dB(A)
Mini Excavator mounted breaker	Other PME	1	115	100%	115	121.2
Bulldozer	CNP 030	1	115	50%	112	
Concrete lorry mixer	CNP 044	1	109	100%	109	
Mobile crane	CNP 048	1	112	50%	109	
Mini Piling (Reverse circulation drill)	CNP 166	2	100	100%	103	
Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Excavator/loader	CNP 081	2	112	100%	115	
Generator (silenced)	CNP 102	2	100	100%	103	
Lorry with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Poker, vibratory, hand-held	CNP 170	1	113	100%	113	
Roller, vibratory	CNP 186	1	108	100%	108	
Water pump	CNP 281	2	88	100%	91	

B - Superstructure

PME	CNP Ref [1]	Number	SWL, dB(A)	% on time with any 30 minutes	SWL with corrections, dB(A)	Total SWL, dB(A)
Air Compressor, air flow <10 m^3/min	CNP 001	1	100	100%	100	119.3
Bar bender and cutter (electric)	CNP 021	1	90	100%	90	
Generator (silenced)	CNP 102	2	100	100%	103	
Circular saw	CNP201	1	108	100%	108	
Concrete lorry mixer	CNP 044	2	109	100%	112	
Concrete pump	CNP 047	2	109	100%	112	
Crane, tower (electric)	CNP 049	2	95	100%	98	
Lorry/ Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Poker, vibratory, hand-held	CNP 170	2	113	100%	116	

Notes:
1. Sound Power Levels are referred to GW-TM or "Sound power levels of other commonly used PME" (Other PME) published by EPD.
2. "SWL" denotes as Sound Power Level.

Predicted Construction Noise Levels Construction - Unmitigated Scenario

N1a - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	35.3	-38.9	0.0	3.0	85.3
B - Superstructure	119.3	35.3	-38.9	0.0	3.0	83.4

N1b - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	45.2	-41.1	0.0	3.0	83.1
B - Superstructure	119.3	45.2	-41.1	0.0	3.0	81.2

N1c - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	86.1	-46.7	-5.0	3.0	72.5
B - Superstructure	119.3	86.1	-46.7	-5.0	3.0	70.6

N2 - Tin Hau Temple

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	293.6	-57.3	-5.0	3.0	61.9
B - Superstructure	119.3	293.6	-57.3	-5.0	3.0	60.0

N3 - Lee Ka Yuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	199.3	-54.0	-5.0	3.0	65.2
B - Superstructure	119.3	199.3	-54.0	-5.0	3.0	63.3

N4 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	296.3	-57.4	0.0	3.0	66.8
B - Superstructure	119.3	296.3	-57.4	0.0	3.0	64.9

N18 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	183.4	-53.2	0.0	3.0	71.0
B - Superstructure	119.3	183.4	-53.2	0.0	3.0	69.1

N19 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	216.1	-54.7	0.0	3.0	69.5
B - Superstructure	119.3	216.1	-54.7	0.0	3.0	67.6

N20 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	156.1	-51.8	0.0	3.0	72.4
B - Superstructure	119.3	156.1	-51.8	0.0	3.0	70.5

N21 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	163.8	-52.3	0.0	3.0	71.9
B - Superstructure	119.3	163.8	-52.3	0.0	3.0	70.0

N22 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	188.2	-53.5	-5.0	3.0	65.7
B - Superstructure	119.3	188.2	-53.5	-5.0	3.0	63.8

N23 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	318.7	-58.0	0.0	3.0	66.2
B - Superstructure	119.3	318.7	-58.0	0.0	3.0	64.3

N24 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	121.2	336.4	-58.5	0.0	3.0	65.7
B - Superstructure	119.3	336.4	-58.5	0.0	3.0	63.8

Notes:

1. The representative NSRs N1c, N2, N3 and N9 are screened from the Site by the natural topography. These NSRs have no direct line of sight to the Site.
2. "SWL" denotes as Sound Power Level.

Appendix 2-2

Construction Noise – Mitigated Scenario (Quiet Plant)

A - Site Formation / Foundation

PME	CNP Ref / Other PME / BS 5228 [1]	Number	SWL, dB(A)	% on time with any 30 minutes	SWL with corrections, dB(A)	Total SWL, dB(A)
Mini Excavator mounted breaker	Table C8/12#c	1	106	100%	106	114.5
Bulldozer	Table C3/27#d*	1	109	50%	106	
Concrete lorry mixer	Table C6/23#a	1	100	100%	100	
Mobile crane	Table C7/114#ab	1	101	50%	98	
Mini Piling (Reverse circulation drill)	CNP 166	2	100	100%	103	
Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Excavator/loader	Table C3/97#ab	2	105	100%	108	
Generator (Super silenced)	CNP 103	2	95	100%	98	
Lorry with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Poker, vibratory, hand-held (electric)	Other PME	1	102	100%	102	
Roller, vibratory	Table C3/115#a	1	102	100%	102	
Water pump	CNP 281	2	88	100%	91	

B - Superstructure

PME	CNP Ref / BS 5228 [1]	Number	SWL, dB(A)	% on time with any 30 minutes	SWL with corrections, dB(A)	Total SWL, dB(A)
Air Compressor, air flow <10 m^3/min	CNP 001	1	100	100%	100	113.8
Bar bender and cutter (electric)	CNP 021	1	90	100%	90	
Generator (Super silenced)	CNP 103	2	95	100%	98	
Circular saw	CNP201	1	108	100%	108	
Concrete lorry mixer	Table C6/23#a	1	100	100%	100	
Concrete pump	Table C6/36#b	2	106	100%	109	
Crane, tower (electric)	CNP 049	2	95	100%	98	
Lorry/ Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	105	
Poker, vibratory, hand-held (electric)	Other PME	2	102	100%	105	

Notes:
1. Sound Power Levels are referred to GW-TM or "Sound power levels of other commonly used PME" (Other PME) published by EPD, or BS 5228:Part 1 1997.
2. "SWL" denotes as Sound Power Level.
- ID number refers to BS 5228.
a - the SWLs have been applied for the approved EIA Study for Widening of Tuen Mun Road at Tsing Tin Interchange (EIA-142/2007)
b - the SWLs have been applied for the approved EIA Study for Harbour Area Treatment Scheme (HATS) - Provision of Disinfection Facilities at Stonecutters Island Sewage Treatment Works (EIA-134/2007)
c - the SWLs have been applied for the approved EIA Study for A Commercial Scale Wind Turbine Pilot Demonstration at Hei Ling Chau (EIA-124/2006)
d - the SWLs have been applied for the approved EIA Study for Repositioning and Long Term Operation Plan of Ocean Park (EIA-121/2006)
* - Although bulldozer (BS5288 C9/2) was adopted for EIA reference d, BS5228 C3/27 is considered to be more relevant.

Predicted Construction Noise Levels - Mitigated Scenario with Quiet PMEs

N1a - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	35.3	-38.9	0.0	3.0	78.6
B - Superstructure	113.8	35.3	-38.9	0.0	3.0	77.9

N1b - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	45.2	-41.1	0.0	3.0	76.4
B - Superstructure	113.8	45.2	-41.1	0.0	3.0	75.7

N1c - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	86.1	-46.7	-5.0	3.0	65.8
B - Superstructure	113.8	86.1	-46.7	-5.0	3.0	65.1

N2 - Tin Hau Temple

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	293.6	-57.3	-5.0	3.0	55.2
B - Superstructure	113.8	293.6	-57.3	-5.0	3.0	54.5

N3 - Lee Ka Yuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	199.3	-54.0	-5.0	3.0	58.5
B - Superstructure	113.8	199.3	-54.0	-5.0	3.0	57.8

N4 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	296.3	-57.4	0.0	3.0	60.1
B - Superstructure	113.8	296.3	-57.4	0.0	3.0	59.4

N18 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	183.4	-53.2	0.0	3.0	64.3
B - Superstructure	113.8	183.4	-53.2	0.0	3.0	63.6

Predicted Construction Noise Levels - Mitigated Scenario with Quiet PMEs

N19 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	216.1	-54.7	0.0	3.0	62.8
B - Superstructure	113.8	216.1	-54.7	0.0	3.0	62.1

N20 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	156.1	-51.8	0.0	3.0	65.7
B - Superstructure	113.8	156.1	-51.8	0.0	3.0	65.0

N21 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	163.8	-52.3	0.0	3.0	65.2
B - Superstructure	113.8	163.8	-52.3	0.0	3.0	64.5

N22 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	188.2	-53.5	-5.0	3.0	59.0
B - Superstructure	113.8	188.2	-53.5	-5.0	3.0	58.3

N23 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	318.7	-58.0	0.0	3.0	59.5
B - Superstructure	113.8	318.7	-58.0	0.0	3.0	58.8

N24 - Village House

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	114.5	336.4	-58.5	0.0	3.0	59.0
B - Superstructure	113.8	336.4	-58.5	0.0	3.0	58.3

Notes:

1. The representative NSRs N2, N3 and N9 are screened from the Site by the natural topography. These NSRs have no direct line of sight to the Site.
2. "SWL" denotes as Sound Power Level.

Appendix 2-3

Construction Noise – Mitigated Scenario (Quiet Plant and Noise Barrier)

Plant Inventory of Construction Noise - Mitigated Scenario with Quiet PMEs Noise Barrier

A - Site Formation / Foundation

PME	CNP Ref / Other PME / BS 5228 [1]	Number	SWL, dB(A)	% on time with any 30 minutes	Correction of Noise Barrier for N1a & N1b, dB(A)	SWL with corrections, dB(A)	Total SWL, dB(A)
Mini Excavator mounted breaker	Table C8/12#c	1	106	100%	-5.0	101	110.3
Bulldozer	Table C3/27#d*	1	109	50%	-5.0	101	
Concrete lorry mixer	Table C6/23#a	1	100	100%	-5.0	95	
Mobile crane	Table C7/114#ab	1	101	50%	0.0	98	
Mini Piling (Reverse circulation drill)	CNP 166	2	100	100%	0.0	103	
Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	-5.0	100	
Excavator/loader	Table C3/97#ab	2	105	100%	-5.0	103	
Generator (Super silenced)	CNP 103	2	95	100%	-5.0	93	
Lorry with gross vehicle weight<38 tonne	Other PME	2	105	50%	-5.0	100	
Poker, vibratory, hand-held (electric)	Other PME	1	102	100%	-5.0	97	
Roller, vibratory	Table C3/115#a	1	102	100%	-5.0	97	
Water pump	CNP 281	2	88	100%	-5.0	86	

B - Superstructure

PME	CNP Ref / Other PME / BS 5228 [1]	Number	SWL, dB(A)	% on time with any 30 minutes	Correction of Noise Barrier for N1a & N1b, dB(A)	SWL with corrections, dB(A)	Total SWL, dB(A)
Air Compressor, air flow <10 m^3/min	CNP 001	1	100	100%	-5.0	95	110.1
Bar bender and cutter (electric)	CNP 021	1	90	100%	-5.0	85	
Generator (Super silenced)	CNP 103	2	95	100%	-5.0	93	
Circular saw	CNP201	1	108	100%	-5.0	103	
Concrete lorry mixer	Table C6/23#a	1	100	100%	-5.0	95	
Concrete pump	Table C6/36#b	2	106	100%	-5.0	104	
Crane, tower (electric)	CNP 049	2	95	100%	0.0	98	
Lorry/ Dump truck with gross vehicle weight<38 tonne	Other PME	2	105	50%	-5.0	100	
Poker, vibratory, hand-held (electric)	Other PME	2	102	100%	0.0	105	

Notes:

1. Sound Power Levels are referred to GW-TM or "Sound power levels of other commonly used PME" (Other PME) published by EPD, or BS 5228:Part 1 1997.
2. "SWL" denotes as Sound Power Level.

- ID number refers to BS 5228.

a - the SWLs have been applied for the approved EIA Study for Widening of Tuen Mun Road at Tsing Tin Interchange (EIA-142/2007)

b - the SWLs have been applied for the approved EIA Study for Harbour Area Treatment Scheme (HATS) - Provision of Disinfection Facilities at Stonecutters Island Sewage Treatment Works (EIA-134/2007)

c - the SWLs have been applied for the approved EIA Study for A Commercial Scale Wind Turbine Pilot Demonstration at Hei Ling Chau (EIA-124/2006)

d - the SWLs have been applied for the approved EIA Study for Repositioning and Long Term Operation Plan of Ocean Park (EIA-121/2006)

* - Although bulldozer (BS5288 C9/2) was adopted for EIA reference d, BS5228 C3/27 is considered to be more relevant.

Predicted Construction Noise Levels - Mitigated Scenario with Quiet PMEs Barrier (for N1a N1b)

N1a - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	110.3	35.3	-38.9	0.0	3.0	74.4
B - Superstructure	110.1	35.3	-38.9	0.0	3.0	74.2

N1b - Hung Kiu San Tsuen

Construction Activity	Total SWL, dB(A)	Horizontal Distance to Notional Source, m	Distance Correction, dB(A)	Correction (Screened by Natural Topography), dB(A)	Facade Correction, dB(A)	Predicted Noise Level, dB(A)
A - Site Formation / Foundation	110.3	45.2	-41.1	0.0	3.0	72.2
B - Superstructure	110.1	45.2	-41.1	0.0	3.0	72.0

Notes:

1. The representative NSRs N2, N3 and N9 are screened from the Site by the natural topography. These NSRs have no direct line of sight to the Site.
2. "SWL" denotes as Sound Power Level.

Appendix 2-4

Max. Lorry IN/OUT of the PSC

Maximum Lorry IN/OUT of the PSPP

From	To	Max. Lorry IN/OUT, veh/hr
8:00	9:00	2
9:00	10:00	1
10:00	11:00	2
11:00	12:00	2
12:00	13:00	3
13:00	14:00	3
14:00	15:00	1
15:00	16:00	1
16:00	17:00	0
17:00	18:00	0
18:00	19:00	0
19:00	20:00	1
20:00	21:00	9
21:00	22:00	6
22:00	23:00	2
23:00	0:00	1
0:00	1:00	0
1:00	2:00	0
2:00	3:00	0
3:00	4:00	0
4:00	5:00	2
5:00	6:00	6
6:00	7:00	4
7:00	8:00	2

N.B.
The above applies for Link 1, 2 and 5 only

Appendix 2-5

Traffic Forecasts of Year 2011 & Year 2026, A Copy of Letter from Transport Department and Coordinates of NSRs

Background Traffic Forecasts (without the Plant)

ID	Road Section	From	To	2011 (NB)			2011 (SB)			2026 (NB)			2026 (SB)		
				Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
1	Man Kam To Road	5:00	6:00	133	87	65.7%	125	83	66.3%	178	129	72.7%	168	123	73.1%
1	Man Kam To Road	6:00	7:00	227	149	65.7%	214	142	66.3%	305	222	72.7%	288	211	73.1%
1	Man Kam To Road	7:00	8:00	445	292	65.7%	419	278	66.3%	598	435	72.7%	563	412	73.1%
2	Po Shek Wu Road	8:00	9:00	1235	830	67.2%	1106	330	29.8%	1621	1140	70.3%	1452	624	43.0%
2	Po Shek Wu Road	9:00	10:00	1111	728	65.5%	995	502	50.5%	1493	1088	72.9%	1337	801	59.9%
2	Po Shek Wu Road	10:00	11:00	1058	693	65.5%	948	479	50.5%	1422	1037	72.9%	1273	763	59.9%
2	Po Shek Wu Road	11:00	12:00	970	635	65.5%	869	439	50.5%	1303	950	72.9%	1167	699	59.9%
2	Po Shek Wu Road	12:00	13:00	970	635	65.5%	869	439	50.5%	1303	950	72.9%	1167	699	59.9%
2	Po Shek Wu Road	13:00	14:00	1005	658	65.5%	901	455	50.5%	1351	985	72.9%	1210	725	59.9%
2	Po Shek Wu Road	14:00	15:00	1094	717	65.5%	980	495	50.5%	1469	1071	72.9%	1316	788	59.9%
2	Po Shek Wu Road	15:00	16:00	1111	728	65.5%	995	502	50.5%	1493	1088	72.9%	1337	801	59.9%
2	Po Shek Wu Road	16:00	17:00	1111	728	65.5%	995	502	50.5%	1493	1088	72.9%	1337	801	59.9%
2	Po Shek Wu Road	17:00	18:00	1113	784	70.4%	1058	510	48.2%	1513	1124	74.3%	1439	735	51.1%
2	Po Shek Wu Road	18:00	19:00	1058	693	65.5%	948	479	50.5%	1422	1037	72.9%	1273	763	59.9%
2	Po Shek Wu Road	19:00	20:00	829	543	65.5%	743	375	50.5%	1114	812	72.9%	998	598	59.9%
2	Po Shek Wu Road	20:00	21:00	617	404	65.5%	553	279	50.5%	829	604	72.9%	743	445	59.9%
2	Po Shek Wu Road	21:00	22:00	582	381	65.5%	521	263	50.5%	782	570	72.9%	700	419	59.9%
2	Po Shek Wu Road	22:00	23:00	494	324	65.5%	442	223	50.5%	657	479	72.9%	606	363	59.9%
2	Po Shek Wu Road	23:00	0:00	441	289	65.5%	395	199	50.5%	592	432	72.9%	531	318	59.9%
2	Po Shek Wu Road	0:00	1:00	247	162	65.5%	221	112	50.5%	332	242	72.9%	297	178	59.9%
2	Po Shek Wu Road	1:00	2:00	194	127	65.5%	174	88	50.5%	261	190	72.9%	233	140	59.9%
2	Po Shek Wu Road	2:00	3:00	141	92	65.5%	126	64	50.5%	190	139	72.9%	170	102	59.9%
2	Po Shek Wu Road	3:00	4:00	123	81	65.5%	111	56	50.5%	166	121	72.9%	149	89	59.9%
2	Po Shek Wu Road	4:00	5:00	141	92	65.5%	126	64	50.5%	190	139	72.9%	170	102	59.9%
2	Po Shek Wu Road	5:00	6:00	247	162	65.5%	221	112	50.5%	332	242	72.9%	297	178	59.9%
2	Po Shek Wu Road	6:00	7:00	423	277	65.5%	379	191	50.5%	569	415	72.9%	509	305	59.9%
2	Po Shek Wu Road	7:00	8:00	829	543	65.5%	743	375	50.5%	1114	812	72.9%	998	598	59.9%
5	Jockey Club Road	8:00	9:00	852	570	66.9%	743	446	60.0%	1118	813	72.7%	976	672	68.9%
5	Jockey Club Road	9:00	10:00	767	504	65.7%	669	444	66.3%	1030	749	72.7%	899	657	73.1%
5	Jockey Club Road	10:00	11:00	730	480	65.7%	637	422	66.3%	981	713	72.7%	856	626	73.1%
5	Jockey Club Road	11:00	12:00	669	440	65.7%	584	387	66.3%	899	654	72.7%	784	573	73.1%
5	Jockey Club Road	12:00	13:00	669	440	65.7%	584	387	66.3%	899	654	72.7%	784	573	73.1%
5	Jockey Club Road	13:00	14:00	694	456	65.7%	605	401	66.3%	932	678	72.7%	813	594	73.1%
5	Jockey Club Road	14:00	15:00	754	495	65.7%	658	436	66.3%	1013	736	72.7%	884	646	73.1%
5	Jockey Club Road	15:00	16:00	767	504	65.7%	669	444	66.3%	1030	749	72.7%	899	657	73.1%
5	Jockey Club Road	16:00	17:00	767	504	65.7%	669	444	66.3%	1030	749	72.7%	899	657	73.1%
5	Jockey Club Road	17:00	18:00	789	554	70.2%	692	480	69.3%	1074	812	75.6%	940	704	74.9%
5	Jockey Club Road	18:00	19:00	730	480	65.7%	637	422	66.3%	981	713	72.7%	856	626	73.1%
5	Jockey Club Road	19:00	20:00	572	376	65.7%	499	331	66.3%	768	558	72.7%	670	490	73.1%
5	Jockey Club Road	20:00	21:00	426	280	65.7%	372	247	66.3%	572	416	72.7%	499	365	73.1%
5	Jockey Club Road	21:00	22:00	402	264	65.7%	350	232	66.3%	539	392	72.7%	471	344	73.1%
5	Jockey Club Road	22:00	23:00	341	224	65.7%	297	197	66.3%	444	323	72.7%	388	284	73.1%
5	Jockey Club Road	23:00	0:00	304	200	65.7%	265	176	66.3%	409	297	72.7%	357	261	73.1%
5	Jockey Club Road	0:00	1:00	170	112	65.7%	149	99	66.3%	229	166	72.7%	200	146	73.1%
5	Jockey Club Road	1:00	2:00	134	88	65.7%	117	78	66.3%	180	131	72.7%	157	115	73.1%
5	Jockey Club Road	2:00	3:00	97	64	65.7%	85	56	66.3%	124	90	72.7%	109	80	73.1%
5	Jockey Club Road	3:00	4:00	85	56	65.7%	74	49	66.3%	114	83	72.7%	100	73	73.1%
5	Jockey Club Road	4:00	5:00	97	64	65.7%	85	56	66.3%	131	95	72.7%	114	83	73.1%
5	Jockey Club Road	5:00	6:00	170	112	65.7%	149	99	66.3%	229	166	72.7%	200	146	73.1%
5	Jockey Club Road	6:00	7:00	292	192	65.7%	255	169	66.3%	392	285	72.7%	342	250	73.1%
5	Jockey Club Road	7:00	8:00	572	376	65.7%	499	331	66.3%	768	558	72.7%	670	490	73.1%
6	Jockey Club Road	8:00	9:00	631	118	18.7%	550	131	23.9%	828	243	29.3%	722	211	29.2%
6	Jockey Club Road	9:00	10:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	10:00	11:00	541	117	21.6%	472	185	39.1%	726	232	32.0%	634	292	46.1%
6	Jockey Club Road	11:00	12:00	495	107	21.6%	432	169	39.1%	666	213	32.0%	581	268	46.1%
6	Jockey Club Road	12:00	13:00	495	107	21.6%	432	169	39.1%	666	213	32.0%	581	268	46.1%
6	Jockey Club Road	13:00	14:00	514	111	21.6%	448	175	39.1%	690	221	32.0%	602	278	46.1%
6	Jockey Club Road	14:00	15:00	559	121	21.6%	487	190	39.1%	750	240	32.0%	655	302	46.1%
6	Jockey Club Road	15:00	16:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	16:00	17:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	17:00	18:00	585	173	29.5%	512	176	34.4%	795	266	33.4%	696	263	37.8%
6	Jockey Club Road	18:00	19:00	541	117	21.6%	472	185	39.1%	726	232	32.0%	634	292	46.1%
6	Jockey Club Road	19:00	20:00	423	91	21.6%	369	144	39.1%	569	182	32.0%	496	229	46.1%
6	Jockey Club Road	20:00	21:00	315	68	21.6%	275	108	39.1%	424	136	32.0%	370	171	46.1%
6	Jockey Club Road	21:00	22:00	297	64	21.6%	259	101	39.1%	399	128	32.0%	349	161	46.1%
6	Jockey Club Road	22:00	23:00	252	54	21.6%	220	86	39.1%	329	105	32.0%	287	132	46.1%
6	Jockey Club Road	23:00	0:00	225	49	21.6%	197	77	39.1%	303	97	32.0%	264	122	46.1%
6	Jockey Club Road	0:00	1:00	126	27	21.6%	110	43	39.1%	169	54	32.0%	148	68	46.1%
6	Jockey Club Road	1:00	2:00	99	21	21.6%	86	34	39.1%	133	43	32.0%	116	53	46.1%
6	Jockey Club Road	2:00	3:00	72	16	21.6%	63	25	39.1%	92	29	32.0%	80	37	46.1%
6	Jockey Club Road	3:00	4:00	63	14	21.6%	55	22	39.1%	85	27	32.0%	74	34	46.1%
6	Jockey Club Road	4:00	5:00	72	16	21.6%	63	25	39.1%	97	31	32.0%	84	39	46.1%
6	Jockey Club Road	5:00	6:00	126	27	21.6%	110	43	39.1%	169	54	32.0%	148	68	46.1%
6	Jockey Club Road	6:00	7:00	216	47	21.6%	189	74	39.1%	290	93	32.0%	253	117	46.1%
6	Jockey Club Road	7:00	8:00	423	91	21.6%	369	144	39.1%	569	182	32.0%	496	229	46.1%

Link No.	Road Name	From	To
1	Man Kam To Road	Jockey Club Road	Boundary
2	Po Shek Wu Road	Choi Yuen Road	Jockey Club Road
5	Jockey Club Road	Po Shek Wu Road	Man Kam To Road
6	Jockey Club Road	Lung Sum Ave	San Fung Ave

Traffic Forecasts (with the PSPP)

ID	Road Section	From	To	2011 (NB)			2011 (SB)			2026 (NB)			2026 (SB)		
				Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
1	Man Kam To Road	5:00	6:00	136	90	66.5%	128	86	67.1%	181	132	73.2%	171	126	73.6%
1	Man Kam To Road	6:00	7:00	229	151	66.0%	216	144	66.6%	307	224	72.9%	290	213	73.3%
1	Man Kam To Road	7:00	8:00	446	293	65.8%	420	279	66.4%	599	436	72.7%	564	413	73.1%
2	Po Shek Wu Road	8:00	9:00	1236	831	67.2%	1107	331	29.9%	1622	1141	70.3%	1453	625	43.0%
2	Po Shek Wu Road	9:00	10:00	1112	728	65.5%	996	503	50.5%	1494	1089	72.9%	1338	801	59.9%
2	Po Shek Wu Road	10:00	11:00	1059	694	65.5%	949	480	50.6%	1423	1038	72.9%	1274	764	59.9%
2	Po Shek Wu Road	11:00	12:00	971	636	65.5%	870	440	50.6%	1304	951	72.9%	1168	700	59.9%
2	Po Shek Wu Road	12:00	13:00	972	637	65.6%	871	440	50.6%	1305	951	72.9%	1169	701	60.0%
2	Po Shek Wu Road	13:00	14:00	1007	660	65.6%	903	457	50.6%	1353	986	72.9%	1212	726	59.9%
2	Po Shek Wu Road	14:00	15:00	1095	717	65.5%	981	495	50.5%	1470	1071	72.9%	1317	789	59.9%
2	Po Shek Wu Road	15:00	16:00	1112	728	65.5%	996	503	50.5%	1494	1089	72.9%	1338	801	59.9%
2	Po Shek Wu Road	16:00	17:00	1111	728	65.5%	995	502	50.5%	1493	1088	72.9%	1337	801	59.9%
2	Po Shek Wu Road	17:00	18:00	1113	784	70.4%	1058	510	48.2%	1513	1124	74.3%	1439	735	51.1%
2	Po Shek Wu Road	18:00	19:00	1058	693	65.5%	948	479	50.5%	1422	1037	72.9%	1273	763	59.9%
2	Po Shek Wu Road	19:00	20:00	830	543	65.5%	744	376	50.5%	1115	813	72.9%	999	598	59.9%
2	Po Shek Wu Road	20:00	21:00	622	409	65.7%	558	284	50.9%	834	609	73.0%	748	450	60.1%
2	Po Shek Wu Road	21:00	22:00	585	384	65.7%	524	266	50.8%	785	573	73.0%	703	422	60.1%
2	Po Shek Wu Road	22:00	23:00	495	325	65.6%	443	224	50.6%	658	480	72.9%	607	364	60.0%
2	Po Shek Wu Road	23:00	0:00	442	289	65.5%	396	200	50.6%	593	432	72.9%	532	319	59.9%
2	Po Shek Wu Road	0:00	1:00	247	162	65.5%	221	112	50.5%	332	242	72.9%	297	178	59.9%
2	Po Shek Wu Road	1:00	2:00	194	127	65.5%	174	88	50.5%	261	190	72.9%	233	140	59.9%
2	Po Shek Wu Road	2:00	3:00	141	92	65.5%	126	64	50.5%	190	139	72.9%	170	102	59.9%
2	Po Shek Wu Road	3:00	4:00	123	81	65.5%	111	56	50.5%	166	121	72.9%	149	89	59.9%
2	Po Shek Wu Road	4:00	5:00	142	93	65.7%	127	65	50.9%	191	140	73.0%	171	103	60.1%
2	Po Shek Wu Road	5:00	6:00	250	165	65.9%	224	115	51.2%	335	245	73.1%	300	181	60.3%
2	Po Shek Wu Road	6:00	7:00	425	279	65.7%	381	193	50.8%	571	417	73.0%	511	307	60.1%
2	Po Shek Wu Road	7:00	8:00	830	544	65.5%	744	376	50.6%	1115	813	72.9%	999	599	59.9%
5	Jockey Club Road	8:00	9:00	853	571	66.9%	744	447	60.1%	1119	814	72.7%	977	673	68.9%
5	Jockey Club Road	9:00	10:00	768	504	65.7%	670	444	66.3%	1031	749	72.7%	900	658	73.1%
5	Jockey Club Road	10:00	11:00	731	481	65.7%	638	423	66.4%	982	714	72.7%	857	627	73.1%
5	Jockey Club Road	11:00	12:00	670	441	65.8%	585	388	66.4%	900	655	72.7%	785	574	73.1%
5	Jockey Club Road	12:00	13:00	671	441	65.8%	586	389	66.4%	901	655	72.7%	786	575	73.2%
5	Jockey Club Road	13:00	14:00	696	457	65.8%	607	403	66.4%	934	679	72.7%	815	596	73.1%
5	Jockey Club Road	14:00	15:00	755	496	65.7%	659	437	66.3%	1014	737	72.7%	885	647	73.1%
5	Jockey Club Road	15:00	16:00	768	504	65.7%	670	444	66.3%	1031	749	72.7%	900	658	73.1%
5	Jockey Club Road	16:00	17:00	767	504	65.7%	669	444	66.3%	1030	749	72.7%	899	657	73.1%
5	Jockey Club Road	17:00	18:00	789	554	70.2%	692	480	69.3%	1074	812	75.6%	940	704	74.9%
5	Jockey Club Road	18:00	19:00	730	480	65.7%	637	422	66.3%	981	713	72.7%	856	626	73.1%
5	Jockey Club Road	19:00	20:00	573	376	65.7%	500	331	66.3%	769	559	72.7%	671	490	73.1%
5	Jockey Club Road	20:00	21:00	431	284	66.1%	377	251	66.7%	577	420	72.9%	504	369	73.3%
5	Jockey Club Road	21:00	22:00	405	267	66.0%	353	235	66.6%	542	395	72.9%	474	347	73.3%
5	Jockey Club Road	22:00	23:00	342	225	65.8%	298	198	66.4%	445	324	72.8%	389	285	73.2%
5	Jockey Club Road	23:00	0:00	305	200	65.8%	266	176	66.4%	410	298	72.7%	358	261	73.1%
5	Jockey Club Road	0:00	1:00	170	112	65.7%	149	99	66.3%	229	166	72.7%	200	146	73.1%
5	Jockey Club Road	1:00	2:00	134	88	65.7%	117	78	66.3%	180	131	72.7%	157	115	73.1%
5	Jockey Club Road	2:00	3:00	97	64	65.7%	85	56	66.3%	124	90	72.7%	109	80	73.1%
5	Jockey Club Road	3:00	4:00	85	56	65.7%	74	49	66.3%	114	83	72.7%	100	73	73.1%
5	Jockey Club Road	4:00	5:00	98	65	66.1%	86	57	66.7%	132	96	72.9%	115	84	73.3%
5	Jockey Club Road	5:00	6:00	173	115	66.3%	152	102	67.0%	232	169	73.1%	203	149	73.5%
5	Jockey Club Road	6:00	7:00	294	194	65.9%	257	171	66.6%	394	287	72.8%	344	252	73.3%
5	Jockey Club Road	7:00	8:00	573	377	65.8%	500	332	66.4%	769	559	72.7%	671	491	73.1%
6	Jockey Club Road	8:00	9:00	631	118	18.7%	550	131	23.9%	828	243	29.3%	722	211	29.2%
6	Jockey Club Road	9:00	10:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	10:00	11:00	541	117	21.6%	472	185	39.1%	726	232	32.0%	634	292	46.1%
6	Jockey Club Road	11:00	12:00	495	107	21.6%	432	169	39.1%	666	213	32.0%	581	268	46.1%
6	Jockey Club Road	12:00	13:00	495	107	21.6%	432	169	39.1%	666	213	32.0%	581	268	46.1%
6	Jockey Club Road	13:00	14:00	514	111	21.6%	448	175	39.1%	690	221	32.0%	602	278	46.1%
6	Jockey Club Road	14:00	15:00	559	121	21.6%	487	190	39.1%	750	240	32.0%	655	302	46.1%
6	Jockey Club Road	15:00	16:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	16:00	17:00	568	123	21.6%	495	194	39.1%	762	244	32.0%	665	307	46.1%
6	Jockey Club Road	17:00	18:00	585	173	29.5%	512	176	34.4%	795	266	33.4%	696	263	37.8%
6	Jockey Club Road	18:00	19:00	541	117	21.6%	472	185	39.1%	726	232	32.0%	634	292	46.1%
6	Jockey Club Road	19:00	20:00	423	91	21.6%	369	144	39.1%	569	182	32.0%	496	229	46.1%
6	Jockey Club Road	20:00	21:00	315	68	21.6%	275	108	39.1%	424	136	32.0%	370	171	46.1%
6	Jockey Club Road	21:00	22:00	297	64	21.6%	259	101	39.1%	399	128	32.0%	349	161	46.1%
6	Jockey Club Road	22:00	23:00	252	54	21.6%	220	86	39.1%	329	105	32.0%	287	132	46.1%
6	Jockey Club Road	23:00	0:00	225	49	21.6%	197	77	39.1%	303	97	32.0%	264	122	46.1%
6	Jockey Club Road	0:00	1:00	126	27	21.6%	110	43	39.1%	169	54	32.0%	148	68	46.1%
6	Jockey Club Road	1:00	2:00	99	21	21.6%	86	34	39.1%	133	43	32.0%	116	53	46.1%
6	Jockey Club Road	2:00	3:00	72	16	21.6%	63	25	39.1%	92	29	32.0%	80	37	46.1%
6	Jockey Club Road	3:00	4:00	63	14	21.6%	55	22	39.1%	85	27	32.0%	74	34	46.1%
6	Jockey Club Road	4:00	5:00	72	16	21.6%	63	25	39.1%	97	31	32.0%	84	39	46.1%
6	Jockey Club Road	5:00	6:00	126	27	21.6%	110	43	39.1%	169	54	32.0%	148	68	46.1%
6	Jockey Club Road	6:00	7:00	216	47	21.6%	189	74	39.1%	290	93	32.0%	253	117	46.1%
6	Jockey Club Road	7:00	8:00	423	91	21.6%	369	144	39.1%	569	182	32.0%	496	229	46.1%

Link No.	Road Name	From	To
1	Man Kam To Road	Jockey Club Road	Boundary
2	Po Shek Wu Road	Choi Yuen Road	Jockey Club Road
5	Jockey Club Road	Po Shek Wu Road	Man Kam To Road
6	Jockey Club Road	Lung Sum Ave	San Fung Ave

運輸署
Transport Department

By Fax
(Fax No. 2385 7215)

本署檔號 Our Ref.: ( ) in NR 157/161-FSSDD88
來函檔號 Your Ref.: 07OL243/818940/KRC/RW/rw
電話 Tel.: 2399 2411

25 October 2007

Wilbur Smith Associates Limited
Room 5208, 52/F, Hopewell Centre,
183 Queen's Road East,
Wanchai, Hong Kong
(Attn: Mr. Kepler CHAN)

Dear Sirs,

Environmental Consultancy for 888XY
Provision of a Poultry Slaughtering and Processing Plant in Sheung Shui

Traffic Forecasting for Environmental Impact Assessment

In response to your above quoted letter, we have no in-principle objection to adopt the traffic data for Traffic Impact Assessment. However, we are not in a position to endorse your predicted traffic data for Environmental Impact Assessment.

07F264
818940

WSA
Reply Ref.: By: Date:
Action Required:
Received 29 OCT 2007

Initls.	Sign	Date	Initls.	Sign	Date
RW					

Yours faithfully

(Kenny WONG)
for Assistant Commissioner
for Transport/New Territories

新界分區辦事處
NT Regional Offices
九龍聯運街三十號旺角政府合署七樓
7th Floors, Mong Kok Government Offices, 30 Luen Wan Street, Kowloon.
圖文傳真 Fax No.: 2381 3799 電子郵件 E-mail :kennywong@td.gov.hk

NSR ID	Assessment Point ID	Receiver ID in RoadNoise	Co-ordinate	
1	1a	1	830937.2	842184.5
	1b	2	830929.1	842178.5
	1c	3	830938.9	842124.9
	1d	4	830956.9	842092.8
2	2	5	831177.6	842029.8
3	3a	6	830859.7	842021.4
	3b	59	830850.3	842024.4
4	4a	7	830629.8	842390.7
	4b	60	830618.1	842392.3
5	5a	8	831660.6	843897.5
	5b	9	831635.4	843879.3
	5c	152	831633.1	843758.1
	5d	153	831557.2	843711.9
	5e	154	831397.3	843657.5
	5f	155	831342.1	843559.3
	5g	156	831268.3	843341.9
	5h	157	831217.5	843287.9
	5i	158	831200.3	843312.6
	5j	184	831511.5	843580.1
	5k	185	831388.8	843347.8
	5l	186	831154.1	843355.1
	5m	10	831653.3	843862.1
	5n	11	831728.7	843846.8
	5o	61	831712.2	843932.8
	5p	62	831684.6	843910.8
	5q	63	831677.5	843878.1
	5r	64	831699.9	843914.4
	5s	65	831679.8	843899.1
	5t	66	831689.8	843869.8
	5u	67	831704.8	843915.3
	5v	68	831688.3	843900.8
	5w	69	831689	843887.9
	5x	164	831649	843744.4
	5y	165	831563.3	843695.3
	5z	166	831634.5	843674.3
	5aa	167	831646.3	843661.2
	5ab	169	831380.9	843658.3
	5ac	170	831386.6	843675.9
	5ad	171	831370.1	843676.4
	5ae	172	831368.3	843703.6
	5af	173	831381.9	843722.1
	5ag	168	831340.6	843565.8
	5ah	174	831276.7	843582.9
	5ai	175	831284.6	843306
	5aj	176	831310.6	843262.3
	5ak	177	831226.6	843280.9
	5al	178	831248.2	843286.4
	5am	179	831236.4	843278.9
	5an	180	831238.6	843270.4
	5ao	132	831671.7	843885.1

NSR ID	Assessment Point ID	Receiver ID in RoadNoise	Co-ordinate	
6	6a	12	831021.3	843073.3
	6b	13	830964.4	843052.8
	6c	159	830846.7	842970
	6d	160	830814.9	842948.8
	6e	161	830803.7	842902.6
	6f	17	830903.3	843115.6
	6g	18	830869.8	843095.4
	6h	19	830857.1	843067.8
	6i	162	830699.2	842905.1
	6j	163	830669	842873.6
	6k	24	830552.4	842650.2
	6l	187	830641.9	842669.2
	6m	14	830952.5	843022.1
	6n	15	830991.6	842983.9
	6o	16	830994	842926.1
	6p	70	831051	843066.3
	6q	71	831006.8	843049.8
	6r	72	830988.3	843026.3
	6s	181	830868	842949.6
	6t	182	830804.1	842892.4
	6u	183	830818.2	842897.3
	6v	73	830920.4	843157.8
	6w	74	830891.6	843128.4
	6x	75	830860.3	843111.1
	6y	76	830844.4	843085.3
	6z	77	830832.9	843077.1
	6aa	78	830785.9	843100.1
	6ab	79	830767.3	843084.4
	6ac	20	830687.5	843002.3
	6ad	21	830631.6	842976.5
	6ae	80	830701.3	843069.6
	6af	81	830666.3	843011
	6ag	82	830597.1	843000.6
	6ah	22	830485.3	842806.9
	6ai	23	830431.5	842764.1
	6aj	188	830647.1	842672.9
	6ak	189	830655.8	842672.6
	6al	190	830658.8	842666.6
	6am	191	830654.8	842680.4
7	7a	25	831014.8	841474.8
	7b	26	831027.8	841436.4
	7c	83	830998	841475.6
	7d	84	831011.3	841437
	7e	85	831016.3	841422
	7f	86	830993.6	841439.6
	7g	87	830995.8	841433.5
	7h	88	831000.9	841419.2
	7i	89	831003.3	841411.9
	7j	90	830986.6	841413.6
	7k	91	830988.8	841407.9
	7l	92	830974.3	841403.4
8	8a	27	831031.3	841326.8
	8b	28	831068	841268.4
	8c	29	831064.9	841238.2
	8d	93	830997.8	841284.5
	8e	94	830982.9	841304.4
	8f	95	830992.4	841244.8
	8g	96	830960.9	841344
	8h	97	830949.4	841348.4
	8i	98	830970.6	841269.9
	8j	99	830963.3	841289.1
	8k	192	831054.7	841243.6

NSR ID	Assessment Point ID	Receiver ID in RoadNoise	Co-ordinate	
9	9a	30	831073.5	841215.4
	9b	31	831076.1	841198.9
	9c	32	831064.1	841138
	9d	100	831061.1	841205.4
	9e	101	831052.7	841196.1
	9f	102	831055.9	841225.1
	9g	103	831051.4	841217.5
	9h	104	831048.8	841213.2
	9i	105	831047.8	841233.8
	9j	133	831045.9	841187.8
	9k	134	831056.6	841189.5
	9l	135	831052.7	841176
	9m	136	831050.5	841162.6
	9n	137	831052.1	841151.8
10	10a	33	831033.2	841125.4
	10b	34	831037.6	841082.4
	10c	109	831034.3	841025.6
	10d	35	831023	841013.9
	10e	106	831013.3	841123.6
	10f	107	831014.8	841097.8
	10g	108	831020.8	841075.5
	10i	110	831000.1	841107.3
	10j	111	831004.8	841091
	10k	112	831015.9	841045.2
	10l	113	831013.1	841036.4
	10m	114	831019.9	841079.3
	10n	138	831025.9	841134.4
	10o	139	831026.9	841109.1
	10p	140	831004.4	841006.2
	10q	141	831006.7	840998.8
	10r	193	831025.6	841032.9
	10s	194	831022.4	841071.4
	10t	195	831004.8	841042.2
11	11	36	831065.4	840934.1
12	12a	37	831056.4	840996.6
	12b	38	831057.6	840956.6
	12c	39	831067.7	840891.1
	12d	40	831069.2	840872.9
	12e	115	831045	840992.4
	12f	116	831054.2	840900.8
	12g	117	831031.1	840909.4
	12h	118	831052.3	840879
	12i	119	831060.9	840864.4
	12j	120	831048.1	840945.3
	12k	121	831045.9	840952.6
	12l	122	831042.5	840904.8
	12m	123	831048.4	840902.3
	12n	142	831037.1	840941.3
	12o	143	831039.3	840935.6
	12p	151	831069.9	840952.3

NSR ID	Assessment Point ID	Receiver ID in RoadNoise	Co-ordinate	
13	13a	42	831090.2	841387.3
	13b	43	831082.5	841328.9
	13c	47	831137.3	841223.9
	13d	51	831109.1	841144.3
	13e	41	831102.4	841364.7
	13f	44	831131.2	841328.1
	13g	45	831115.1	841309.9
	13h	46	831086.1	841359.6
	13i	48	831188.6	841236.6
	13j	49	831152.9	841186.3
	13k	50	831121.2	841166.9
	13l	124	831105.6	841329.1
	13m	125	831128.1	841329.7
	13n	126	831159.4	841231.4
	13o	127	831185.8	841241.1
	13p	128	831172.3	841193.7
	13q	129	831199.2	841203.6
14	14	52	831081.4	841047.6
15	15a	55	831122.7	840971.3
	15b	53	831140.7	840986.8
	15c	54	831151.2	840972.6
	15d	56	831117.1	840950.9
	15e	130	831146.6	840965.1
	15f	131	831140.6	840945.5
16	16	57	831245.3	840938.1
17	17	58	831133.2	840855.5
18	18	144	830976.8	842043.8
19	19	145	831009.2	842020.3
20	20	146	830776.5	842177.8
21	21	147	830760.3	842308.1
22	22	148	830789.6	842417.6
23	23	149	831061.6	841924
24	24	150	831025	841897.5
25	25	196	830963.7	840758.4

Appendix 2-6

Predicted Hourly Traffic Noise Contributions due to the Project

Traffic Forecast without the Poultry Plant (Combined) for Man Kam To Road (from Jockey Road to Boundary)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	1288	819	63.6%	1690	1197	70.9%
9:00	10:00	1158	764	66.0%	1556	1134	72.9%
10:00	11:00	1103	728	66.0%	1482	1080	72.9%
11:00	12:00	1012	668	66.0%	1358	990	72.9%
12:00	13:00	1012	668	66.0%	1358	990	72.9%
13:00	14:00	1049	692	66.0%	1408	1026	72.9%
14:00	15:00	1140	752	66.0%	1532	1117	72.9%
15:00	16:00	1158	764	66.0%	1556	1134	72.9%
16:00	17:00	1158	764	66.0%	1556	1134	72.9%
17:00	18:00	1195	834	69.8%	1625	1223	75.3%
18:00	19:00	1103	728	66.0%	1482	1080	72.9%
19:00	20:00	864	570	66.0%	1161	846	72.9%
20:00	21:00	643	424	66.0%	865	631	72.9%
21:00	22:00	606	400	66.0%	816	595	72.9%
22:00	23:00	515	340	66.0%	675	492	72.9%
23:00	0:00	460	304	66.0%	618	450	72.9%
0:00	1:00	258	170	66.0%	346	252	72.9%
1:00	2:00	202	133	66.0%	272	198	72.9%
2:00	3:00	147	97	66.0%	198	144	72.9%
3:00	4:00	128	84	66.0%	173	126	72.9%
4:00	5:00	147	97	66.0%	198	144	72.9%
5:00	6:00	258	170	66.0%	346	252	72.9%
6:00	7:00	441	291	66.0%	593	432	72.9%
7:00	8:00	864	570	66.0%	1161	846	72.9%

Basic Noise Level of Jockey Club Road without the Poultry Plant, dB(A)

From	To	2011			2026		
		BNL	HV corr	Total	BNL	HV corr	Total
8:00	9:00	73.3	5.9	79.2	74.5	6.3	80.8
9:00	10:00	72.8	6.0	78.8	74.1	6.4	80.5
10:00	11:00	72.6	6.0	78.6	73.9	6.4	80.3
11:00	12:00	72.3	6.0	78.3	73.5	6.4	79.9
12:00	13:00	72.3	6.0	78.3	73.5	6.4	79.9
13:00	14:00	72.4	6.0	78.4	73.7	6.4	80.1
14:00	15:00	72.8	6.0	78.8	74.1	6.4	80.5
15:00	16:00	72.8	6.0	78.8	74.1	6.4	80.5
16:00	17:00	72.8	6.0	78.8	74.1	6.4	80.5
17:00	18:00	73.0	6.2	79.2	74.3	6.5	80.8
18:00	19:00	72.6	6.0	78.6	73.9	6.4	80.3
19:00	20:00	71.6	6.0	77.6	72.8	6.4	79.2
20:00	21:00	70.3	6.0	76.3	71.6	6.4	78.0
21:00	22:00	70.0	6.0	76.0	71.3	6.4	77.7
22:00	23:00	69.3	6.0	75.3	70.5	6.4	76.9
23:00	0:00	68.8	6.0	74.8	70.1	6.4	76.5
0:00	1:00	66.3	6.0	72.3	67.6	6.4	74.0
1:00	2:00	65.3	6.0	71.3	66.5	6.4	72.9
2:00	3:00	63.9	6.0	69.9	65.2	6.4	71.6
3:00	4:00	63.3	6.0	69.3	64.6	6.4	71.0
4:00	5:00	63.9	6.0	69.9	65.2	6.4	71.6
5:00	6:00	66.3	6.0	72.3	67.6	6.4	74.0
6:00	7:00	68.6	6.0	74.6	69.9	6.4	76.3
7:00	8:00	71.6	6.0	77.6	72.8	6.4	79.2

Traffic Forecast with the Poultry Plant (Combined) for Man Kam To Road (from Jockey Road to Boundary)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	1290	821	63.6%	1692	1199	70.9%
9:00	10:00	1159	765	66.0%	1557	1135	72.9%
10:00	11:00	1105	730	66.1%	1484	1082	72.9%
11:00	12:00	1014	670	66.1%	1360	992	72.9%
12:00	13:00	1015	671	66.1%	1361	993	73.0%
13:00	14:00	1052	695	66.1%	1411	1029	73.0%
14:00	15:00	1141	753	66.0%	1533	1118	72.9%
15:00	16:00	1159	765	66.0%	1557	1135	72.9%
16:00	17:00	1158	764	66.0%	1556	1134	72.9%
17:00	18:00	1195	834	69.8%	1625	1223	75.3%
18:00	19:00	1103	728	66.0%	1482	1080	72.9%
19:00	20:00	865	571	66.0%	1162	847	72.9%
20:00	21:00	652	433	66.5%	874	640	73.2%
21:00	22:00	612	406	66.3%	822	601	73.1%
22:00	23:00	517	342	66.1%	677	494	73.0%
23:00	0:00	461	305	66.1%	619	451	72.9%
0:00	1:00	258	170	66.0%	346	252	72.9%
1:00	2:00	202	133	66.0%	272	198	72.9%
2:00	3:00	147	97	66.0%	198	144	72.9%
3:00	4:00	128	84	66.0%	173	126	72.9%
4:00	5:00	149	99	66.4%	200	146	73.2%
5:00	6:00	264	176	66.8%	352	258	73.4%
6:00	7:00	445	295	66.3%	597	436	73.1%
7:00	8:00	866	572	66.1%	1163	848	72.9%

Basic Noise Level of Jockey Club Road with the Poultry Plant, dB(A)

Traffic Noise Contribution due to the Plant, dB

From	To	2011			2026				
		BNL	HV corr	Total	BNL	HV corr	Total	2011	2026
8:00	9:00	73.3	5.9	79.2	74.5	6.3	80.8	0.0	0.0
9:00	10:00	72.8	6.0	78.8	74.1	6.4	80.5	0.0	0.0
10:00	11:00	72.6	6.0	78.6	73.9	6.4	80.3	0.0	0.0
11:00	12:00	72.3	6.0	78.3	73.5	6.4	79.9	0.0	0.0
12:00	13:00	72.3	6.0	78.3	73.5	6.4	79.9	0.0	0.0
13:00	14:00	72.4	6.0	78.4	73.7	6.4	80.1	0.0	0.0
14:00	15:00	72.8	6.0	78.8	74.1	6.4	80.5	0.0	0.0
15:00	16:00	72.8	6.0	78.8	74.1	6.4	80.5	0.0	0.0
16:00	17:00	72.8	6.0	78.8	74.1	6.4	80.5	0.0	0.0
17:00	18:00	73.0	6.2	79.2	74.3	6.5	80.8	0.0	0.0
18:00	19:00	72.6	6.0	78.6	73.9	6.4	80.3	0.0	0.0
19:00	20:00	71.6	6.0	77.6	72.9	6.4	79.3	0.0	0.1
20:00	21:00	70.3	6.0	76.3	71.6	6.4	78.0	0.0	0.0
21:00	22:00	70.1	6.0	76.1	71.3	6.4	77.7	0.1	0.0
22:00	23:00	69.3	6.0	75.3	70.5	6.4	76.9	0.0	0.0
23:00	0:00	68.8	6.0	74.8	70.1	6.4	76.5	0.0	0.0
0:00	1:00	66.3	6.0	72.3	67.6	6.4	74.0	0.0	0.0
1:00	2:00	65.3	6.0	71.3	66.5	6.4	72.9	0.0	0.0
2:00	3:00	63.9	6.0	69.9	65.2	6.4	71.6	0.0	0.0
3:00	4:00	63.3	6.0	69.3	64.6	6.4	71.0	0.0	0.0
4:00	5:00	63.9	6.0	69.9	65.2	6.4	71.6	0.0	0.0
5:00	6:00	66.4	6.1	72.5	67.7	6.4	74.1	0.2	0.1
6:00	7:00	68.7	6.0	74.7	70.0	6.4	76.4	0.1	0.1
7:00	8:00	71.6	6.0	77.6	72.9	6.4	79.3	0.0	0.1

Traffic Forecast without the Poultry Plant (Combined) for Po Shek Wo Road (from Choi Yuen Road to Jockey Club Road)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	2341	1160	49.5%	3073	1764	57.4%
9:00	10:00	2106	1230	58.4%	2830	1889	66.8%
10:00	11:00	2006	1172	58.4%	2695	1799	66.8%
11:00	12:00	1839	1074	58.4%	2470	1649	66.8%
12:00	13:00	1839	1074	58.4%	2470	1649	66.8%
13:00	14:00	1906	1113	58.4%	2561	1710	66.8%
14:00	15:00	2074	1211	58.4%	2785	1859	66.8%
15:00	16:00	2106	1230	58.4%	2830	1889	66.8%
16:00	17:00	2106	1230	58.4%	2830	1889	66.8%
17:00	18:00	2171	1294	59.6%	2952	1859	63.0%
18:00	19:00	2006	1172	58.4%	2695	1799	66.8%
19:00	20:00	1572	918	58.4%	2112	1410	66.8%
20:00	21:00	1170	683	58.4%	1572	1049	66.8%
21:00	22:00	1103	644	58.4%	1482	989	66.8%
22:00	23:00	936	547	58.4%	1263	842	66.7%
23:00	0:00	836	488	58.4%	1123	750	66.8%
0:00	1:00	468	273	58.4%	629	420	66.8%
1:00	2:00	368	215	58.4%	494	330	66.8%
2:00	3:00	267	156	58.4%	360	240	66.8%
3:00	4:00	234	137	58.4%	315	210	66.8%
4:00	5:00	267	156	58.4%	360	240	66.8%
5:00	6:00	468	273	58.4%	629	420	66.8%
6:00	7:00	802	468	58.4%	1078	720	66.8%
7:00	8:00	1572	918	58.4%	2112	1410	66.8%

Basic Noise Level of Jockey Club Road without the Poultry Plant, dB(A)

From	To	2011			2026		
		BNL	HV corr	Total	BNL	HV corr	Total
8:00	9:00	75.9	4.9	80.8	77.1	5.5	82.6
9:00	10:00	75.4	5.6	81.0	76.7	6.1	82.8
10:00	11:00	75.2	5.6	80.8	76.5	6.1	82.6
11:00	12:00	74.8	5.6	80.4	76.1	6.1	82.2
12:00	13:00	74.8	5.6	80.4	76.1	6.1	82.2
13:00	14:00	75.0	5.6	80.6	76.3	6.1	82.4
14:00	15:00	75.4	5.6	81.0	76.6	6.1	82.7
15:00	16:00	75.4	5.6	81.0	76.7	6.1	82.8
16:00	17:00	75.4	5.6	81.0	76.7	6.1	82.8
17:00	18:00	75.6	5.6	81.2	76.9	5.8	82.7
18:00	19:00	75.2	5.6	80.8	76.5	6.1	82.6
19:00	20:00	74.2	5.6	79.8	75.4	6.1	81.5
20:00	21:00	72.9	5.6	78.5	74.2	6.1	80.3
21:00	22:00	72.6	5.6	78.2	73.9	6.1	80.0
22:00	23:00	71.9	5.6	77.5	73.2	6.0	79.2
23:00	0:00	71.4	5.6	77.0	72.7	6.1	78.8
0:00	1:00	68.9	5.6	74.5	70.2	6.1	76.3
1:00	2:00	67.9	5.6	73.5	69.1	6.1	75.2
2:00	3:00	66.5	5.6	72.1	67.8	6.1	73.9
3:00	4:00	65.9	5.5	71.4	67.2	6.1	73.3
4:00	5:00	66.5	5.6	72.1	67.8	6.1	73.9
5:00	6:00	68.9	5.6	74.5	70.2	6.1	76.3
6:00	7:00	71.2	5.6	76.8	72.5	6.1	78.6
7:00	8:00	74.2	5.6	79.8	75.4	6.1	81.5

Traffic Forecast with the Poultry Plant (Combined) for Po Shek Wo Road (from Choi Yuen Road to Jockey Club Road)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	2343	1162	49.6%	3075	1766	57.4%
9:00	10:00	2107	1231	58.4%	2831	1890	66.8%
10:00	11:00	2008	1174	58.5%	2697	1801	66.8%
11:00	12:00	1841	1076	58.5%	2472	1651	66.8%
12:00	13:00	1842	1077	58.5%	2473	1652	66.8%
13:00	14:00	1909	1116	58.5%	2564	1713	66.8%
14:00	15:00	2075	1212	58.4%	2786	1860	66.8%
15:00	16:00	2107	1231	58.4%	2831	1890	66.8%
16:00	17:00	2106	1230	58.4%	2830	1889	66.8%
17:00	18:00	2171	1294	59.6%	2952	1859	63.0%
18:00	19:00	2006	1172	58.4%	2695	1799	66.8%
19:00	20:00	1573	919	58.4%	2113	1411	66.8%
20:00	21:00	1179	692	58.7%	1581	1058	66.9%
21:00	22:00	1109	650	58.6%	1488	995	66.9%
22:00	23:00	938	549	58.5%	1265	844	66.7%
23:00	0:00	837	489	58.5%	1124	751	66.8%
0:00	1:00	468	273	58.4%	629	420	66.8%
1:00	2:00	368	215	58.4%	494	330	66.8%
2:00	3:00	267	156	58.4%	360	240	66.8%
3:00	4:00	234	137	58.4%	315	210	66.8%
4:00	5:00	269	158	58.7%	362	242	66.9%
5:00	6:00	474	279	58.9%	635	426	67.1%
6:00	7:00	806	472	58.6%	1082	724	66.9%
7:00	8:00	1574	920	58.5%	2114	1412	66.8%

Basic Noise Level of Jockey Club Road with the Poultry Plant, dB(A)

From	To	2011			2026		
		BNL	HV corr	Total	BNL	HV corr	Total
8:00	9:00	75.9	5.0	80.9	77.1	5.5	82.6
9:00	10:00	75.4	5.6	81.0	76.7	6.1	82.8
10:00	11:00	75.2	5.6	80.8	76.5	6.1	82.6
11:00	12:00	74.9	5.6	80.5	76.1	6.1	82.2
12:00	13:00	74.9	5.6	80.5	76.1	6.1	82.2
13:00	14:00	75.0	5.6	80.6	76.3	6.1	82.4
14:00	15:00	75.4	5.6	81.0	76.6	6.1	82.7
15:00	16:00	75.4	5.6	81.0	76.7	6.1	82.8
16:00	17:00	75.4	5.6	81.0	76.7	6.1	82.8
17:00	18:00	75.6	5.6	81.2	76.9	5.8	82.7
18:00	19:00	75.2	5.6	80.8	76.5	6.1	82.6
19:00	20:00	74.2	5.6	79.8	75.4	6.1	81.5
20:00	21:00	72.9	5.6	78.5	74.2	6.1	80.3
21:00	22:00	72.6	5.6	78.2	73.9	6.1	80.0
22:00	23:00	71.9	5.6	77.5	73.2	6.0	79.2
23:00	0:00	71.4	5.6	77.0	72.7	6.1	78.8
0:00	1:00	68.9	5.6	74.5	70.2	6.1	76.3
1:00	2:00	67.9	5.6	73.5	69.1	6.1	75.2
2:00	3:00	66.5	5.6	72.1	67.8	6.1	73.9
3:00	4:00	65.9	5.5	71.4	67.2	6.1	73.3
4:00	5:00	66.5	5.6	72.1	67.8	6.1	73.9
5:00	6:00	69.0	5.6	74.6	70.2	6.1	76.3
6:00	7:00	71.3	5.6	76.9	72.5	6.1	78.6
7:00	8:00	74.2	5.6	79.8	75.5	6.1	81.6

Traffic Noise Contribution due to the Plant, dB

2011	2026
0.1	0.0
0.0	0.0
0.0	0.0
0.1	0.0
0.1	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.1	0.0
0.1	0.0
0.0	0.1

Traffic Forecast without the Poultry Plant (Combined) for Jockey Club Road (from Po Shek Wo Road to Man Kam Road)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	1595	1016	63.7%	2094	1485	70.9%
9:00	10:00	1436	947	66.0%	1929	1406	72.9%
10:00	11:00	1367	902	66.0%	1837	1339	72.9%
11:00	12:00	1253	827	66.0%	1683	1227	72.9%
12:00	13:00	1253	827	66.0%	1683	1227	72.9%
13:00	14:00	1299	857	66.0%	1745	1272	72.9%
14:00	15:00	1412	932	66.0%	1897	1383	72.9%
15:00	16:00	1436	947	66.0%	1929	1406	72.9%
16:00	17:00	1436	947	66.0%	1929	1406	72.9%
17:00	18:00	1481	1033	69.8%	2014	1516	75.3%
18:00	19:00	1367	902	66.0%	1837	1339	72.9%
19:00	20:00	1071	707	66.0%	1438	1048	72.9%
20:00	21:00	798	527	66.0%	1071	781	72.9%
21:00	22:00	752	496	66.0%	1010	736	72.9%
22:00	23:00	638	421	66.0%	832	606	72.9%
23:00	0:00	569	375	66.0%	766	558	72.9%
0:00	1:00	319	210	66.0%	429	313	72.9%
1:00	2:00	251	166	66.0%	337	246	72.9%
2:00	3:00	182	120	66.0%	233	170	72.9%
3:00	4:00	159	105	66.0%	214	156	72.9%
4:00	5:00	182	120	66.0%	245	179	72.9%
5:00	6:00	319	210	66.0%	429	313	72.9%
6:00	7:00	547	361	66.0%	734	535	72.9%
7:00	8:00	1071	707	66.0%	1438	1048	72.9%

Basic Noise Level of Jockey Club Road without the Poultry Plant, dB(A)

From	To	2011			2026		
		BNL	HV corr	Total	BNL	HV corr	Total
8:00	9:00	74.2	5.9	80.1	75.4	6.3	81.7
9:00	10:00	73.8	6.0	79.8	75.1	6.4	81.5
10:00	11:00	73.6	6.0	79.6	74.8	6.4	81.2
11:00	12:00	73.2	6.0	79.2	74.5	6.4	80.9
12:00	13:00	73.2	6.0	79.2	74.5	6.4	80.9
13:00	14:00	73.3	6.0	79.3	74.6	6.4	81.0
14:00	15:00	73.7	6.0	79.7	75.0	6.4	81.4
15:00	16:00	73.8	6.0	79.8	75.1	6.4	81.5
16:00	17:00	73.8	6.0	79.8	75.1	6.4	81.5
17:00	18:00	73.9	6.2	80.1	75.2	6.5	81.7
18:00	19:00	73.6	6.0	79.6	74.8	6.4	81.2
19:00	20:00	72.5	6.0	78.5	73.8	6.4	80.2
20:00	21:00	71.2	6.0	77.2	72.5	6.4	78.9
21:00	22:00	71.0	6.0	77.0	72.2	6.4	78.6
22:00	23:00	70.2	6.0	76.2	71.4	6.4	77.8
23:00	0:00	69.8	6.0	75.8	71.0	6.4	77.4
0:00	1:00	67.2	6.0	73.2	68.5	6.4	74.9
1:00	2:00	66.2	6.0	72.2	67.5	6.4	73.9
2:00	3:00	64.8	6.0	70.8	65.9	6.4	72.3
3:00	4:00	64.2	6.0	70.2	65.5	6.4	71.9
4:00	5:00	64.8	6.0	70.8	66.1	6.4	72.5
5:00	6:00	67.2	6.0	73.2	68.5	6.4	74.9
6:00	7:00	69.6	6.0	75.6	70.9	6.4	77.3
7:00	8:00	72.5	6.0	78.5	73.8	6.4	80.2

Traffic Forecast with the Poultry Plant (Combined) for Jockey Club Road (from Po Shek Wo Road to Man Kam Road)

From	To	2011			2026		
		Veh//hr	HV (veh/hr)	%HV	Veh//hr	HV (veh/hr)	%HV
8:00	9:00	1597	1018	63.7%	2096	1487	71.0%
9:00	10:00	1437	948	66.0%	1930	1407	72.9%
10:00	11:00	1369	904	66.0%	1839	1341	72.9%
11:00	12:00	1255	829	66.0%	1685	1229	72.9%
12:00	13:00	1256	830	66.1%	1686	1230	72.9%
13:00	14:00	1302	860	66.1%	1748	1275	72.9%
14:00	15:00	1413	933	66.0%	1898	1384	72.9%
15:00	16:00	1437	948	66.0%	1930	1407	72.9%
16:00	17:00	1436	947	66.0%	1929	1406	72.9%
17:00	18:00	1481	1033	69.8%	2014	1516	75.3%
18:00	19:00	1367	902	66.0%	1837	1339	72.9%
19:00	20:00	1072	708	66.0%	1439	1049	72.9%
20:00	21:00	807	536	66.4%	1080	790	73.1%
21:00	22:00	758	502	66.2%	1016	742	73.0%
22:00	23:00	640	423	66.1%	834	608	73.0%
23:00	0:00	570	376	66.0%	767	559	72.9%
0:00	1:00	319	210	66.0%	429	313	72.9%
1:00	2:00	251	166	66.0%	337	246	72.9%
2:00	3:00	182	120	66.0%	233	170	72.9%
3:00	4:00	159	105	66.0%	214	156	72.9%
4:00	5:00	184	122	66.4%	247	181	73.1%
5:00	6:00	325	216	66.6%	435	319	73.3%
6:00	7:00	551	365	66.2%	738	539	73.0%
7:00	8:00	1073	709	66.0%	1440	1050	72.9%

Basic Noise Level of Jockey Club Road with the Poultry Plant, dB(A)

Traffic Noise Contribution due to the Plant, dB

From	To	2011			2026				
		BNL	HV corr	Total	BNL	HV corr	Total	2011	2026
8:00	9:00	74.2	5.9	80.1	75.4	6.3	81.7	0.0	0.0
9:00	10:00	73.8	6.0	79.8	75.1	6.4	81.5	0.0	0.0
10:00	11:00	73.6	6.0	79.6	74.8	6.4	81.2	0.0	0.0
11:00	12:00	73.2	6.0	79.2	74.5	6.4	80.9	0.0	0.0
12:00	13:00	73.2	6.0	79.2	74.5	6.4	80.9	0.0	0.0
13:00	14:00	73.3	6.0	79.3	74.6	6.4	81.0	0.0	0.0
14:00	15:00	73.7	6.0	79.7	75.0	6.4	81.4	0.0	0.0
15:00	16:00	73.8	6.0	79.8	75.1	6.4	81.5	0.0	0.0
16:00	17:00	73.8	6.0	79.8	75.1	6.4	81.5	0.0	0.0
17:00	18:00	73.9	6.2	80.1	75.2	6.5	81.7	0.0	0.0
18:00	19:00	73.6	6.0	79.6	74.8	6.4	81.2	0.0	0.0
19:00	20:00	72.5	6.0	78.5	73.8	6.4	80.2	0.0	0.0
20:00	21:00	71.3	6.0	77.3	72.5	6.4	78.9	0.1	0.0
21:00	22:00	71.0	6.0	77.0	72.3	6.4	78.7	0.0	0.1
22:00	23:00	70.3	6.0	76.3	71.4	6.4	77.8	0.1	0.0
23:00	0:00	69.8	6.0	75.8	71.0	6.4	77.4	0.0	0.0
0:00	1:00	67.2	6.0	73.2	68.5	6.4	74.9	0.0	0.0
1:00	2:00	66.2	6.0	72.2	67.5	6.4	73.9	0.0	0.0
2:00	3:00	64.8	6.0	70.8	65.9	6.4	72.3	0.0	0.0
3:00	4:00	64.2	6.0	70.2	65.5	6.4	71.9	0.0	0.0
4:00	5:00	64.8	6.0	70.8	66.1	6.4	72.5	0.0	0.0
5:00	6:00	67.3	6.0	73.3	68.6	6.4	75.0	0.1	0.1
6:00	7:00	69.6	6.0	75.6	70.9	6.4	77.3	0.0	0.0
7:00	8:00	72.5	6.0	78.5	73.8	6.4	80.2	0.0	0.0

Appendix 2-7

Predicted Traffic Noise Levels during the Hour with the Maximum Noise Contribution in Year 2011 (Scenario A)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
1	1a	G/F	60.0	60.2	0.2
		1/F	63.2	63.3	0.1
	1b	G/F	66.2	66.4	0.2
		1/F	67.3	67.5	0.2
	1c	G/F	71.7	71.9	0.2
		1/F	71.7	71.9	0.2
	1d	G/F	71.2	71.4	0.2
2	2	G/F	57.2	57.3	0.1
3	3a	G/F	61.3	61.5	0.2
	3b	1/F	52.7	52.9	0.2
4	4a	G/F	61.4	61.6	0.2
	4b	1/F	50.3	50.4	0.1
5	5a	G/F	68.0	68.2	0.2
		1/F	68.2	68.3	0.1
	5b	G/F	73.1	73.3	0.2
	5c	G/F	67.7	67.8	0.1
	5d	G/F	70.3	70.5	0.2
	5e	G/F	67.2	67.3	0.1
		1/F	67.4	67.5	0.1
	5f	G/F	68.7	68.9	0.2
		1/F	68.7	68.9	0.2
	5g	G/F	67.7	67.8	0.1
		1/F	67.6	67.7	0.1
	5h	G/F	66.2	66.3	0.1
	5i	G/F	68.1	68.2	0.1
	5j	G/F	64.1	64.2	0.1
	5k	G/F	60.0	60.2	0.2
		1/F	60.0	60.2	0.2
	5l	G/F	68.4	68.5	0.1
	5m	G/F	68.0	68.1	0.1
		1/F	68.7	68.8	0.1
	5n	G/F	53.5	53.6	0.1
		1/F	55.7	55.8	0.1
	5o	G/F	60.5	60.6	0.1
		1/F	60.5	60.7	0.2
	5p	G/F	65.0	65.1	0.1
		1/F	64.9	65.1	0.2
		2/F	64.9	65.0	0.1
	5q	G/F	58.5	58.6	0.1
		1/F	59.4	59.6	0.2
	5r	G/F	62.4	62.6	0.2
		1/F	62.5	62.7	0.2
		2/F	62.9	63.0	0.1
	5s	G/F	64.7	64.8	0.1
	5t	G/F	58.2	58.3	0.1
		1/F	58.6	58.7	0.1
	5u	G/F	61.5	61.6	0.1
		1/F	61.6	61.7	0.1
		2/F	62.1	62.3	0.2
	5v	G/F	54.7	54.8	0.1
	5w	G/F	55.6	55.7	0.1
		1/F	62.5	62.6	0.1
	5x	G/F	60.1	60.3	0.2
		1/F	61.2	61.3	0.1
	5y	G/F	57.8	57.9	0.1
	5z	G/F	61.9	62.0	0.1
	5aa	G/F	50.7	50.8	0.1
	5ab	G/F	64.7	64.8	0.1
	5ac	G/F	62.0	62.1	0.1
	5ad	G/F	59.1	59.2	0.1
	5ae	G/F	60.6	60.7	0.1
		1/F	60.8	60.9	0.1
	5af	G/F	62.1	62.2	0.1
		1/F	62.2	62.3	0.1
	5ag	G/F	67.8	68.0	0.2
	5ah	G/F	60.0	60.1	0.1
		1/F	60.1	60.2	0.1
	5ai	G/F	63.0	63.2	0.2
		1/F	63.1	63.2	0.1
	5aj	G/F	58.3	58.5	0.2
		1/F	58.6	58.7	0.1
	5ak	G/F	61.6	61.7	0.1
		1/F	61.5	61.7	0.2
	5al	G/F	63.9	64.0	0.1
		1/F	63.9	64.0	0.1
	5am	G/F	64.1	64.3	0.2
		1/F	64.1	64.3	0.2
	5an	G/F	56.1	56.3	0.2
		1/F	56.8	57.0	0.2
	5ao	G/F	61.0	61.2	0.2
		1/F	61.8	62.0	0.2

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
6	6a	G/F	65.5	65.7	0.2
		1/F	65.5	65.7	0.2
	6b	G/F	67.8	68.0	0.2
	6c	G/F	71.3	71.5	0.2
	6d	G/F	73.6	73.8	0.2
	6e	G/F	68.5	68.7	0.2
		1/F	68.6	68.8	0.2
	6f	G/F	68.9	69.1	0.2
	6g	G/F	67.5	67.7	0.2
	6h	G/F	68.9	69.1	0.2
	6i	G/F	68.8	68.9	0.1
		1/F	68.8	69.0	0.2
	6j	G/F	68.5	68.6	0.1
	6k	G/F	67.0	67.2	0.2
		1/F	67.0	67.2	0.2
	6l	G/F	67.4	67.5	0.1
	6m	G/F	66.0	66.2	0.2
		1/F	66.1	66.3	0.2
	6n	G/F	57.9	58.1	0.2
		1/F	61.0	61.2	0.2
	6o	G/F	52.9	53.1	0.2
		1/F	55.2	55.4	0.2
	6p	G/F	62.4	62.6	0.2
		1/F	62.7	62.9	0.2
	6q	G/F	64.3	64.5	0.2
		1/F	65.0	65.1	0.1
	6r	G/F	62.7	62.9	0.2
		1/F	64.4	64.6	0.2
	6s	G/F	64.3	64.4	0.1
	6t	G/F	66.2	66.4	0.2
		1/F	66.5	66.7	0.2
	6u	G/F	48.5	48.7	0.2
		1/F	57.1	57.2	0.1
	6v	G/F	66.9	67.1	0.2
		1/F	67.1	67.3	0.2
	6w	G/F	58.4	58.6	0.2
		1/F	65.3	65.4	0.1
	6x	G/F	58.9	59.0	0.1
		1/F	63.4	63.6	0.2
	6y	G/F	63.6	63.7	0.1
		1/F	64.6	64.8	0.2
	6z	G/F	65.9	66.1	0.2
		1/F	66.3	66.5	0.2
	6aa	G/F	60.7	60.9	0.2
		1/F	60.8	60.9	0.1
	6ab	G/F	61.5	61.6	0.1
		1/F	61.5	61.7	0.2
	6ac	G/F	62.7	62.9	0.2
		1/F	62.8	63.0	0.2
	6ad	G/F	61.8	62.0	0.2
		1/F	61.9	62.1	0.2
	6ae	G/F	60.8	61.0	0.2
		1/F	61.0	61.1	0.1
	6af	G/F	60.1	60.2	0.1
		1/F	60.3	60.5	0.2
	6ag	G/F	59.0	59.1	0.1
		1/F	59.2	59.4	0.2
	6ah	G/F	61.2	61.4	0.2
		1/F	61.3	61.4	0.1
	6ai	G/F	60.0	60.1	0.1
		1/F	60.0	60.2	0.2
	6aj	G/F	66.2	66.4	0.2
	6ak	G/F	59.9	60.0	0.1
	6al	G/F	58.9	59.0	0.1
	6am	G/F	63.0	63.1	0.1

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
7	7a	G/F	68.6	68.7	0.1
		1/F	68.8	68.9	0.1
		2/F	69.0	69.1	0.1
	7b	G/F	71.7	71.8	0.1
		1/F	72.1	72.3	0.2
		2/F	72.2	72.3	0.1
	7c	G/F	64.4	64.5	0.1
		1/F	64.4	64.6	0.2
		2/F	64.5	64.7	0.2
	7d	G/F	61.6	61.7	0.1
		1/F	62.1	62.2	0.1
		2/F	62.5	62.6	0.1
	7e	G/F	67.9	68.0	0.1
		1/F	68.3	68.4	0.1
		2/F	68.7	68.8	0.1
	7f	G/F	52.9	53.1	0.2
		1/F	53.8	54.0	0.2
		2/F	55.4	55.5	0.1
	7g	G/F	55.1	55.2	0.1
		1/F	55.7	55.8	0.1
		2/F	56.9	57.0	0.1
	7h	G/F	61.5	61.6	0.1
		1/F	61.9	62.0	0.1
		2/F	62.5	62.6	0.1
	7i	G/F	65.2	65.3	0.1
		1/F	65.5	65.6	0.1
		2/F	66.0	66.1	0.1
	7j	G/F	55.8	56.0	0.2
		1/F	56.4	56.5	0.1
		2/F	57.5	57.6	0.1
	7k	G/F	60.5	60.6	0.1
		1/F	60.8	60.9	0.1
		2/F	61.3	61.5	0.2
	7l	G/F	58.3	58.4	0.1
		1/F	58.6	58.7	0.1
		2/F	59.2	59.3	0.1
8	8a	G/F	68.4	68.5	0.1
		1/F	68.8	68.9	0.1
		2/F	69.2	69.3	0.1
	8b	G/F	72.9	73.1	0.2
		1/F	73.4	73.6	0.2
		2/F	73.5	73.6	0.1
	8c	G/F	68.6	68.8	0.2
		1/F	69.0	69.2	0.2
		2/F	69.6	69.7	0.1
	8d	G/F	59.8	59.9	0.1
		1/F	60.0	60.2	0.2
		2/F	60.3	60.5	0.2
	8e	G/F	60.0	60.1	0.1
		1/F	60.3	60.4	0.1
		2/F	60.5	60.6	0.1
	8f	G/F	56.8	56.9	0.1
		1/F	57.2	57.3	0.1
		2/F	57.5	57.7	0.2
	8g	G/F	60.0	60.1	0.1
		1/F	60.2	60.3	0.1
		2/F	60.3	60.5	0.2
	8h	G/F	58.6	58.7	0.1
		1/F	58.9	59.0	0.1
		2/F	59.1	59.2	0.1
	8i	G/F	54.0	54.1	0.1
		1/F	54.5	54.6	0.1
		2/F	55.0	55.1	0.1
	8j	G/F	48.8	49.0	0.2
		1/F	49.9	50.1	0.2
		2/F	51.4	51.6	0.2
	8k	G/F	55.7	55.8	0.1
		1/F	56.4	56.5	0.1
		2/F	58.1	58.2	0.1

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
9	9a	G/F	70.2	70.5	0.3
		1/F	70.6	70.9	0.3
	9b	G/F	71.9	72.0	0.1
		1/F	72.3	72.5	0.2
	9c	G/F	72.2	72.3	0.1
	9d	G/F	61.6	61.8	0.2
		1/F	62.3	62.5	0.2
		2/F	64.3	64.5	0.2
	9e	G/F	55.8	56.0	0.2
		1/F	56.8	56.9	0.1
		2/F	58.7	58.9	0.2
	9f	G/F	62.8	63.0	0.2
		1/F	63.3	63.5	0.2
		2/F	64.9	65.1	0.2
	9g	G/F	60.4	60.6	0.2
		1/F	61.0	61.2	0.2
		2/F	62.4	62.5	0.1
	9h	G/F	50.3	50.5	0.2
		1/F	52.6	52.8	0.2
		2/F	56.2	56.4	0.2
	9i	G/F	49.8	49.9	0.1
		1/F	51.1	51.3	0.2
		2/F	54.0	54.1	0.1
	9j	G/F	59.0	59.2	0.2
		1/F	59.5	59.6	0.1
		2/F	60.3	60.5	0.2
	9k	G/F	49.1	49.2	0.1
		1/F	51.3	51.5	0.2
		2/F	55.6	55.7	0.1
	9l	G/F	56.8	57.0	0.2
		1/F	58.1	58.2	0.1
		2/F	63.8	63.9	0.1
	9m	G/F	49.3	49.4	0.1
		1/F	54.1	54.2	0.1
		2/F	63.5	63.6	0.1
	9n	G/F	65.3	65.4	0.1
		1/F	65.7	65.8	0.1
		2/F	66.8	66.9	0.1
10	10a	G/F	66.0	66.2	0.2
	10b	G/F	69.3	69.4	0.1
		1/F	69.7	69.8	0.1
		2/F	70.1	70.2	0.1
	10c	G/F	68.8	68.9	0.1
	10d	G/F	63.9	64.0	0.1
		1/F	65.4	65.5	0.1
		2/F	66.5	66.6	0.1
	10e	G/F	48.6	48.7	0.1
		1/F	52.6	52.7	0.1
		2/F	58.9	59.0	0.1
	10f	G/F	62.6	62.7	0.1
	10g	G/F	64.3	64.4	0.1
		1/F	64.7	64.8	0.1
		2/F	65.1	65.2	0.1
	10i	G/F	57.8	57.9	0.1
		1/F	58.4	58.5	0.1
		2/F	59.2	59.3	0.1
	10j	G/F	49.5	49.6	0.1
		1/F	57.6	57.8	0.2
		2/F	59.6	59.7	0.1
	10k	G/F	45.9	46.0	0.1
		1/F	48.8	49.0	0.2
		2/F	53.5	53.6	0.1
	10l	G/F	52.2	52.3	0.1
		1/F	60.1	60.3	0.2
		2/F	63.1	63.2	0.1
	10m	G/F	63.0	63.1	0.1
		1/F	63.3	63.4	0.1
		2/F	63.8	64.0	0.2
	10n	G/F	55.9	56.0	0.1
		1/F	56.2	56.3	0.1
	10o	G/F	64.8	64.9	0.1
		1/F	65.0	65.1	0.1
	10p	G/F	45.3	45.4	0.1
		1/F	48.2	48.3	0.1
		2/F	52.2	52.3	0.1
	10q	G/F	59.8	59.9	0.1
		1/F	60.1	60.2	0.1
		2/F	60.4	60.5	0.1
	10r	G/F	66.2	66.3	0.1
	10s	G/F	65.8	65.9	0.1
		1/F	66.1	66.2	0.1
		2/F	66.5	66.6	0.1
	10t	G/F	42.8	43.0	0.2
		1/F	45.9	46.1	0.2
		2/F	50.9	51.0	0.1
11	11	G/F	69.4	69.6	0.2
		1/F	69.9	70.1	0.2

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
12	12a	G/F	74.5	74.6	0.1
		1/F	74.9	75.0	0.1
		2/F	74.5	74.6	0.1
	12b	G/F	68.2	68.3	0.1
		1/F	68.6	68.7	0.1
	12c	G/F	69.8	69.9	0.1
		1/F	69.8	69.9	0.1
		2/F	69.8	70.0	0.2
	12d	G/F	70.3	70.5	0.2
		1/F	70.3	70.4	0.1
		2/F	70.3	70.4	0.1
	12e	G/F	58.5	58.6	0.1
		1/F	58.7	58.8	0.1
		2/F	59.4	59.5	0.1
	12f	G/F	65.3	65.4	0.1
		1/F	65.4	65.5	0.1
		2/F	65.7	65.8	0.1
	12g	G/F	61.5	61.6	0.1
		1/F	61.6	61.7	0.1
		2/F	61.9	62.0	0.1
	12h	G/F	47.7	47.8	0.1
		1/F	50.9	51.0	0.1
		2/F	55.3	55.4	0.1
	12i	G/F	66.3	66.5	0.2
		1/F	66.4	66.5	0.1
		2/F	66.3	66.5	0.2
	12j	G/F	64.1	64.3	0.2
		1/F	64.8	64.9	0.1
		2/F	65.8	65.9	0.1
	12k	G/F	49.2	49.3	0.1
		1/F	53.7	53.9	0.2
		2/F	64.5	64.6	0.1
	12l	G/F	62.9	63.0	0.1
		1/F	63.0	63.1	0.1
		2/F	63.3	63.5	0.2
	12m	G/F	64.0	64.1	0.1
		1/F	64.1	64.3	0.2
		2/F	64.5	64.6	0.1
	12n	G/F	45.7	45.9	0.2
		1/F	48.5	48.7	0.2
	12o	G/F	59.1	59.3	0.2
		1/F	59.8	59.9	0.1
	12p	G/F	74.9	75.0	0.1
		1/F	75.4	75.5	0.1
		2/F	75.0	75.1	0.1
13	13a	G/F	61.9	62.0	0.1
		1/F	62.4	62.5	0.1
	13b	G/F	68.3	68.4	0.1
		1/F	68.9	69.0	0.1
	13c	G/F	63.3	63.5	0.2
		1/F	63.6	63.7	0.1
		2/F	64.0	64.1	0.1
	13d	G/F	69.1	69.2	0.1
		1/F	69.5	69.7	0.2
	13e	G/F	61.7	61.8	0.1
		1/F	62.4	62.5	0.1
	13f	G/F	58.4	58.5	0.1
		1/F	59.8	59.9	0.1
	13g	G/F	58.7	58.8	0.1
		1/F	59.5	59.6	0.1
	13h	G/F	65.3	65.4	0.1
		1/F	65.6	65.8	0.2
	13i	G/F	57.3	57.4	0.1
		1/F	57.7	57.9	0.2
	13j	G/F	62.6	62.7	0.1
		1/F	62.8	62.9	0.1
		2/F	63.0	63.2	0.2
	13k	G/F	67.8	68.0	0.2
		1/F	68.3	68.4	0.1
	13l	G/F	61.9	62.0	0.1
		1/F	62.8	62.9	0.1
	13m	G/F	57.7	57.8	0.1
		1/F	58.4	58.5	0.1
	13n	G/F	60.0	60.1	0.1
		1/F	60.2	60.3	0.1
		2/F	60.5	60.6	0.1
	13o	G/F	56.8	56.9	0.1
		1/F	57.0	57.2	0.2
		2/F	57.3	57.4	0.1
	13p	G/F	60.1	60.2	0.1
		1/F	60.3	60.5	0.2
		2/F	60.5	60.6	0.1
	13q	G/F	56.7	56.8	0.1
		1/F	57.0	57.1	0.1
		2/F	57.1	57.3	0.2
14	14	G/F	72.1	72.3	0.2
		1/F	72.6	72.8	0.2
		2/F	72.9	73.0	0.1
		3/F	72.8	72.9	0.1
		4/F	72.6	72.8	0.2

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
15	15a	2/F	62.1	62.2	0.1
		3/F	62.3	62.4	0.1
		4/F	62.5	62.7	0.2
		5/F	62.9	63.0	0.1
		6/F	63.2	63.3	0.1
		7/F	63.3	63.4	0.1
		8/F	63.4	63.6	0.2
	15b	2/F	62.3	62.4	0.1
		3/F	62.6	62.7	0.1
		4/F	62.9	63.0	0.1
		5/F	63.4	63.5	0.1
		6/F	63.8	64.0	0.2
		7/F	64.1	64.3	0.2
		8/F	64.3	64.5	0.2
	15c	2/F	60.2	60.4	0.2
		3/F	60.4	60.6	0.2
		4/F	60.6	60.7	0.1
		5/F	60.8	61.0	0.2
		6/F	61.1	61.3	0.2
		7/F	61.4	61.5	0.1
		8/F	61.6	61.7	0.1
	15d	2/F	69.0	69.1	0.1
		3/F	69.3	69.5	0.2
		4/F	69.7	69.8	0.1
		5/F	69.8	70.0	0.2
		6/F	69.9	70.1	0.2
		7/F	69.9	70.0	0.1
		8/F	69.9	70.0	0.1
	15e	2/F	59.3	59.5	0.2
		3/F	59.6	59.7	0.1
		4/F	59.7	59.8	0.1
		5/F	60.0	60.1	0.1
		6/F	60.3	60.4	0.1
		7/F	60.5	60.6	0.1
		8/F	60.7	60.8	0.1
	15f	2/F	67.0	67.1	0.1
		3/F	67.0	67.2	0.2
		4/F	67.2	67.3	0.1
		5/F	67.3	67.5	0.2
		6/F	67.5	67.6	0.1
		7/F	67.5	67.7	0.2
		8/F	67.5	67.7	0.2
16	16	2/F	61.0	61.1	0.1
		3/F	61.1	61.2	0.1
		4/F	61.2	61.3	0.1
		5/F	61.5	61.6	0.1
		6/F	61.9	62.0	0.1
		7/F	62.1	62.2	0.1
		8/F	62.4	62.5	0.1
		9/F	62.5	62.6	0.1
		10/F	62.6	62.7	0.1
		11/F	62.6	62.7	0.1
		12/F	62.6	62.7	0.1
		13/F	62.6	62.7	0.1
		14/F	62.6	62.7	0.1
		15/F	62.6	62.7	0.1
		16/F	62.6	62.7	0.1
		17/F	62.6	62.7	0.1
		18/F	62.7	62.8	0.1
		19/F	62.8	62.9	0.1
		20/F	62.8	62.9	0.1
		21/F	62.9	63.0	0.1
		22/F	62.9	63.0	0.1
		23/F	63.0	63.1	0.1
		24/F	63.0	63.1	0.1
		25/F	63.0	63.1	0.1
		26/F	63.0	63.1	0.1
		27/F	63.0	63.1	0.1
		28/F	63.0	63.1	0.1
		29/F	63.0	63.1	0.1
17	17	G/F	71.6	71.7	0.1
		1/F	71.6	71.7	0.1
		2/F	71.5	71.6	0.1
18	18	G/F	71.6	71.8	0.2
19	19	G/F	68.8	68.9	0.1
20	20	G/F	56.5	56.6	0.1
21	21	G/F	67.6	67.7	0.1
22	22	G/F	66.2	66.3	0.1
23	23	G/F	72.5	72.7	0.2
		1/F	72.4	72.5	0.1
24	24	G/F	70.2	70.4	0.2
		1/F	70.2	70.4	0.2
25	25	G/F	68.9	69.1	0.2
		1/F	68.9	69.1	0.2
		2/F	68.9	69.1	0.2

Appendix 2-8

Predicted Traffic Noise Levels during the Hour with the Maximum Noise Contribution in Year 2026 (Scenario B)

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
1	1a	G/F	61.7	61.8	0.1
		1/F	64.9	64.9	0.0
	1b	G/F	67.9	68.0	0.1
		1/F	69.0	69.1	0.1
	1c	G/F	73.5	73.6	0.1
		1/F	73.5	73.5	0.0
	1d	G/F	73.0	73.1	0.1
2	2	G/F	58.9	58.9	0.0
3	3a	G/F	63.0	63.1	0.1
	3b	1/F	54.4	54.5	0.1
4	4a	G/F	63.1	63.2	0.1
	4b	1/F	52.0	52.1	0.1
5	5a	G/F	69.7	69.8	0.1
		1/F	69.9	70.0	0.1
	5b	G/F	75.1	75.1	0.0
	5c	G/F	69.4	69.5	0.1
	5d	G/F	72.1	72.1	0.0
	5e	G/F	68.9	69.0	0.1
		1/F	69.1	69.1	0.0
	5f	G/F	70.4	70.5	0.1
		1/F	70.4	70.5	0.1
	5g	G/F	69.4	69.4	0.0
		1/F	69.3	69.3	0.0
	5h	G/F	67.9	67.9	0.0
	5i	G/F	69.8	69.9	0.1
	5j	G/F	65.8	65.9	0.1
	5k	G/F	61.7	61.8	0.1
		1/F	61.7	61.8	0.1
	5l	G/F	70.1	70.1	0.0
	5m	G/F	69.7	69.8	0.1
		1/F	70.4	70.5	0.1
	5n	G/F	55.1	55.2	0.1
		1/F	57.4	57.4	0.0
	5o	G/F	62.2	62.2	0.0
		1/F	62.2	62.3	0.1
	5p	G/F	66.6	66.7	0.1
		1/F	66.6	66.7	0.1
		2/F	66.6	66.6	0.0
	5q	G/F	60.2	60.2	0.0
		1/F	61.1	61.2	0.1
	5r	G/F	64.1	64.2	0.1
		1/F	64.2	64.3	0.1
		2/F	64.6	64.7	0.1
	5s	G/F	66.4	66.5	0.1
	5t	G/F	59.9	59.9	0.0
		1/F	60.3	60.4	0.1
	5u	G/F	63.1	63.2	0.1
		1/F	63.3	63.3	0.0
		2/F	63.8	63.9	0.1
	5v	G/F	56.4	56.4	0.0
	5w	G/F	57.3	57.3	0.0
		1/F	64.2	64.3	0.1
	5x	G/F	61.8	61.9	0.1
		1/F	62.9	62.9	0.0
	5y	G/F	59.5	59.5	0.0
	5z	G/F	63.6	63.7	0.1
	5aa	G/F	52.4	52.5	0.1
	5ab	G/F	66.3	66.4	0.1
	5ac	G/F	63.7	63.7	0.0
	5ad	G/F	60.8	60.8	0.0
	5ae	G/F	62.3	62.3	0.0
		1/F	62.5	62.5	0.0
	5af	G/F	63.7	63.8	0.1
		1/F	63.9	64.0	0.1
	5ag	G/F	69.5	69.6	0.1
	5ah	G/F	61.7	61.7	0.0
		1/F	61.8	61.9	0.1
	5ai	G/F	64.7	64.8	0.1
		1/F	64.8	64.8	0.0
	5aj	G/F	60.0	60.1	0.1
		1/F	60.3	60.3	0.0
	5ak	G/F	63.3	63.3	0.0
		1/F	63.2	63.3	0.1
	5al	G/F	65.6	65.6	0.0
		1/F	65.6	65.6	0.0
	5am	G/F	65.8	65.9	0.1
		1/F	65.8	65.9	0.1
	5an	G/F	57.8	57.9	0.1
		1/F	58.5	58.6	0.1
	5ao	G/F	62.7	62.8	0.1
		1/F	63.5	63.6	0.1

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
6	6a	G/F	67.2	67.2	0.0
		1/F	67.2	67.3	0.1
	6b	G/F	69.5	69.6	0.1
	6c	G/F	73.1	73.2	0.1
	6d	G/F	75.5	75.6	0.1
	6e	G/F	70.2	70.2	0.0
		1/F	70.3	70.4	0.1
	6f	G/F	70.6	70.6	0.0
	6g	G/F	69.2	69.3	0.1
	6h	G/F	70.6	70.7	0.1
	6i	G/F	70.5	70.5	0.0
		1/F	70.5	70.6	0.1
	6j	G/F	70.2	70.2	0.0
	6k	G/F	68.7	68.8	0.1
		1/F	68.7	68.8	0.1
	6l	G/F	69.1	69.1	0.0
	6m	G/F	67.7	67.8	0.1
		1/F	67.8	67.9	0.1
	6n	G/F	59.6	59.6	0.0
		1/F	62.7	62.8	0.1
	6o	G/F	54.6	54.7	0.1
		1/F	56.9	57.0	0.1
	6p	G/F	64.1	64.2	0.1
		1/F	64.4	64.5	0.1
	6q	G/F	66.0	66.0	0.0
		1/F	66.6	66.7	0.1
	6r	G/F	64.4	64.5	0.1
		1/F	66.1	66.2	0.1
	6s	G/F	65.9	66.0	0.1
	6t	G/F	67.9	68.0	0.1
		1/F	68.2	68.3	0.1
	6u	G/F	50.2	50.3	0.1
		1/F	58.7	58.8	0.1
	6v	G/F	68.6	68.7	0.1
		1/F	68.8	68.8	0.0
	6w	G/F	60.1	60.2	0.1
		1/F	67.0	67.0	0.0
	6x	G/F	60.6	60.6	0.0
		1/F	65.1	65.2	0.1
	6y	G/F	65.2	65.3	0.1
		1/F	66.3	66.4	0.1
	6z	G/F	67.6	67.7	0.1
		1/F	68.0	68.1	0.1
	6aa	G/F	62.4	62.5	0.1
		1/F	62.5	62.5	0.0
	6ab	G/F	63.1	63.2	0.1
		1/F	63.2	63.3	0.1
	6ac	G/F	64.4	64.5	0.1
		1/F	64.5	64.6	0.1
	6ad	G/F	63.5	63.6	0.1
		1/F	63.6	63.7	0.1
	6ae	G/F	62.5	62.6	0.1
		1/F	62.7	62.7	0.0
	6af	G/F	61.8	61.8	0.0
		1/F	62.0	62.1	0.1
	6ag	G/F	60.7	60.7	0.0
		1/F	60.9	61.0	0.1
	6ah	G/F	62.9	63.0	0.1
		1/F	63.0	63.0	0.0
	6ai	G/F	61.7	61.7	0.0
		1/F	61.7	61.8	0.1
	6aj	G/F	67.9	68.0	0.1
	6ak	G/F	61.6	61.6	0.0
	6al	G/F	60.6	60.6	0.0
	6am	G/F	64.7	64.7	0.0

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
7	7a	G/F	70.3	70.4	0.1
		1/F	70.5	70.5	0.0
		2/F	70.7	70.8	0.1
	7b	G/F	73.6	73.7	0.1
		1/F	74.0	74.1	0.1
		2/F	74.0	74.1	0.1
	7c	G/F	66.1	66.2	0.1
		1/F	66.1	66.2	0.1
		2/F	66.3	66.3	0.0
	7d	G/F	63.4	63.5	0.1
		1/F	63.8	63.9	0.1
		2/F	64.2	64.3	0.1
	7e	G/F	69.6	69.7	0.1
		1/F	70.0	70.1	0.1
		2/F	70.4	70.5	0.1
	7f	G/F	54.6	54.7	0.1
		1/F	55.5	55.6	0.1
		2/F	57.1	57.1	0.0
	7g	G/F	56.8	56.9	0.1
		1/F	57.3	57.4	0.1
		2/F	58.6	58.7	0.1
	7h	G/F	63.2	63.2	0.0
		1/F	63.6	63.7	0.1
		2/F	64.2	64.2	0.0
	7i	G/F	66.9	67.0	0.1
		1/F	67.2	67.3	0.1
		2/F	67.7	67.8	0.1
	7j	G/F	57.5	57.6	0.1
		1/F	58.1	58.2	0.1
		2/F	59.2	59.3	0.1
	7k	G/F	62.2	62.2	0.0
		1/F	62.5	62.6	0.1
		2/F	63.0	63.1	0.1
	7l	G/F	60.0	60.1	0.1
		1/F	60.3	60.4	0.1
		2/F	60.9	61.0	0.1
8	8a	G/F	70.1	70.2	0.1
		1/F	70.5	70.6	0.1
		2/F	70.9	71.0	0.1
	8b	G/F	74.9	75.0	0.1
		1/F	75.4	75.5	0.1
		2/F	75.4	75.4	0.0
	8c	G/F	70.4	70.5	0.1
		1/F	70.8	70.9	0.1
		2/F	71.3	71.4	0.1
	8d	G/F	61.5	61.5	0.0
		1/F	61.7	61.8	0.1
		2/F	62.0	62.1	0.1
	8e	G/F	61.7	61.8	0.1
		1/F	62.0	62.0	0.0
		2/F	62.2	62.2	0.0
	8f	G/F	58.5	58.6	0.1
		1/F	58.9	59.0	0.1
		2/F	59.2	59.3	0.1
	8g	G/F	61.6	61.7	0.1
		1/F	61.9	62.0	0.1
		2/F	62.0	62.1	0.1
	8h	G/F	60.3	60.4	0.1
		1/F	60.6	60.7	0.1
		2/F	60.8	60.8	0.0
	8i	G/F	55.7	55.8	0.1
		1/F	56.2	56.3	0.1
		2/F	56.7	56.8	0.1
	8j	G/F	50.5	50.6	0.1
		1/F	51.6	51.7	0.1
		2/F	53.1	53.2	0.1
	8k	G/F	57.4	57.4	0.0
		1/F	58.1	58.1	0.0
		2/F	59.8	59.9	0.1

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
9	9a	G/F	72.1	72.2	0.1
		1/F	72.5	72.6	0.1
	9b	G/F	73.8	73.8	0.0
		1/F	74.2	74.3	0.1
	9c	G/F	74.0	74.1	0.1
	9d	G/F	63.3	63.4	0.1
		1/F	64.0	64.1	0.1
		2/F	66.0	66.1	0.1
	9e	G/F	57.5	57.6	0.1
		1/F	58.4	58.5	0.1
		2/F	60.4	60.5	0.1
	9f	G/F	64.5	64.6	0.1
		1/F	65.0	65.2	0.2
		2/F	66.6	66.7	0.1
	9g	G/F	62.1	62.2	0.1
		1/F	62.7	62.8	0.1
		2/F	64.1	64.1	0.0
	9h	G/F	52.1	52.2	0.1
		1/F	54.3	54.4	0.1
		2/F	57.9	58.0	0.1
	9i	G/F	51.5	51.6	0.1
		1/F	52.8	52.9	0.1
		2/F	55.7	55.7	0.0
	9j	G/F	60.7	60.8	0.1
		1/F	61.2	61.2	0.0
		2/F	62.0	62.1	0.1
	9k	G/F	50.8	50.8	0.0
		1/F	53.0	53.1	0.1
		2/F	57.3	57.3	0.0
	9l	G/F	58.5	58.6	0.1
		1/F	59.8	59.9	0.1
		2/F	65.5	65.5	0.0
	9m	G/F	51.0	51.0	0.0
		1/F	55.8	55.9	0.1
		2/F	65.2	65.3	0.1
	9n	G/F	67.0	67.1	0.1
		1/F	67.4	67.5	0.1
		2/F	68.5	68.6	0.1
10	10a	G/F	67.7	67.8	0.1
	10b	G/F	71.0	71.1	0.1
		1/F	71.4	71.5	0.1
		2/F	71.8	71.9	0.1
	10c	G/F	70.5	70.6	0.1
	10d	G/F	65.6	65.7	0.1
		1/F	67.1	67.2	0.1
		2/F	68.2	68.3	0.1
	10e	G/F	50.3	50.4	0.1
		1/F	54.3	54.3	0.0
		2/F	60.6	60.7	0.1
	10f	G/F	64.3	64.4	0.1
	10g	G/F	66.0	66.1	0.1
		1/F	66.3	66.5	0.2
		2/F	66.8	66.9	0.1
	10i	G/F	59.5	59.6	0.1
		1/F	60.1	60.2	0.1
		2/F	60.9	61.0	0.1
	10j	G/F	51.2	51.3	0.1
		1/F	59.3	59.4	0.1
		2/F	61.3	61.4	0.1
	10k	G/F	47.6	47.7	0.1
		1/F	50.5	50.7	0.2
		2/F	55.2	55.3	0.1
	10l	G/F	53.9	54.0	0.1
		1/F	61.8	61.9	0.1
		2/F	64.7	64.9	0.2
	10m	G/F	64.7	64.8	0.1
		1/F	65.0	65.1	0.1
		2/F	65.5	65.7	0.2
	10n	G/F	57.6	57.7	0.1
		1/F	57.9	58.0	0.1
	10o	G/F	66.5	66.6	0.1
		1/F	66.7	66.8	0.1
	10p	G/F	47.0	47.1	0.1
		1/F	49.9	50.0	0.1
		2/F	53.9	54.0	0.1
	10q	G/F	61.5	61.6	0.1
		1/F	61.8	61.9	0.1
		2/F	62.1	62.2	0.1
	10r	G/F	67.9	68.0	0.1
	10s	G/F	67.4	67.6	0.2
		1/F	67.8	67.9	0.1
		2/F	68.2	68.3	0.1
	10t	G/F	44.6	44.7	0.1
		1/F	47.7	47.8	0.1
		2/F	52.6	52.7	0.1

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
11	11	G/F	71.1	71.2	0.1
		1/F	71.7	71.8	0.1
12	12a	G/F	76.2	76.3	0.1
		1/F	76.6	76.7	0.1
		2/F	76.2	76.3	0.1
	12b	G/F	69.9	70.0	0.1
		1/F	70.3	70.4	0.1
	12c	G/F	71.5	71.6	0.1
		1/F	71.6	71.7	0.1
		2/F	71.6	71.7	0.1
	12d	G/F	72.1	72.2	0.1
		1/F	72.1	72.2	0.1
		2/F	72.1	72.2	0.1
	12e	G/F	60.2	60.3	0.1
		1/F	60.4	60.5	0.1
		2/F	61.1	61.2	0.1
	12f	G/F	67.1	67.2	0.1
		1/F	67.2	67.3	0.1
		2/F	67.5	67.5	0.0
	12g	G/F	63.3	63.4	0.1
		1/F	63.4	63.5	0.1
		2/F	63.7	63.8	0.1
	12h	G/F	49.5	49.6	0.1
		1/F	52.7	52.8	0.1
		2/F	57.0	57.2	0.2
	12i	G/F	68.2	68.3	0.1
		1/F	68.2	68.3	0.1
		2/F	68.2	68.3	0.1
	12j	G/F	65.8	65.9	0.1
		1/F	66.5	66.6	0.1
		2/F	67.5	67.6	0.1
	12k	G/F	50.9	51.0	0.1
		1/F	55.4	55.6	0.2
		2/F	66.2	66.3	0.1
	12l	G/F	64.6	64.7	0.1
		1/F	64.8	64.9	0.1
		2/F	65.1	65.2	0.1
	12m	G/F	65.8	65.9	0.1
		1/F	65.9	66.0	0.1
		2/F	66.2	66.3	0.1
	12n	G/F	47.4	47.6	0.2
		1/F	50.2	50.4	0.2
	12o	G/F	60.8	60.9	0.1
		1/F	61.5	61.6	0.1
	12p	G/F	76.6	76.7	0.1
		1/F	77.1	77.2	0.1
		2/F	76.7	76.8	0.1
13	13a	G/F	63.6	63.6	0.0
		1/F	64.1	64.1	0.0
	13b	G/F	70.2	70.2	0.0
		1/F	70.7	70.8	0.1
	13c	G/F	65.0	65.1	0.1
		1/F	65.2	65.3	0.1
		2/F	65.7	65.7	0.0
	13d	G/F	70.9	70.9	0.0
		1/F	71.3	71.4	0.1
	13e	G/F	63.3	63.4	0.1
		1/F	64.1	64.1	0.0
	13f	G/F	60.1	60.1	0.0
		1/F	61.5	61.5	0.0
	13g	G/F	60.4	60.4	0.0
		1/F	61.2	61.2	0.0
	13h	G/F	66.9	67.0	0.1
		1/F	67.3	67.4	0.1
	13i	G/F	59.0	59.0	0.0
		1/F	59.4	59.5	0.1
	13j	G/F	64.2	64.3	0.1
		1/F	64.5	64.5	0.0
		2/F	64.7	64.8	0.1
	13k	G/F	69.5	69.6	0.1
		1/F	70.0	70.1	0.1
	13l	G/F	63.6	63.6	0.0
		1/F	64.5	64.6	0.1
	13m	G/F	59.4	59.5	0.1
		1/F	60.1	60.1	0.0
	13n	G/F	61.6	61.7	0.1
		1/F	61.9	61.9	0.0
		2/F	62.2	62.2	0.0
	13o	G/F	58.5	58.5	0.0
		1/F	58.7	58.8	0.1
		2/F	58.9	59.0	0.1
	13p	G/F	61.8	61.8	0.0
		1/F	62.0	62.1	0.1
		2/F	62.1	62.2	0.1
	13q	G/F	58.3	58.4	0.1
		1/F	58.6	58.7	0.1
		2/F	58.8	58.8	0.0
14	14	G/F	73.9	74.0	0.1
		1/F	74.4	74.5	0.1
		2/F	74.6	74.8	0.2
		3/F	74.5	74.7	0.2
		4/F	74.3	74.4	0.1

Predicted Traffic Noise Levels (Scenario B - Maximum Noise Contribution between 05:00 and 06:00 in Year 2026)

NSR ID	Assessment Point ID	Storey	Predicted Noise Levels, dB(A)		PSPP Contribution, dB(A)
			Without PSPP	With PSPP	
15	15a	2/F	63.7	63.9	0.2
		3/F	63.9	64.1	0.2
		4/F	64.2	64.3	0.1
		5/F	64.6	64.7	0.1
		6/F	64.8	65.0	0.2
		7/F	65.0	65.1	0.1
		8/F	65.1	65.2	0.1
	15b	2/F	64.0	64.1	0.1
		3/F	64.2	64.4	0.2
		4/F	64.5	64.7	0.2
		5/F	65.0	65.2	0.2
		6/F	65.5	65.6	0.1
		7/F	65.8	65.9	0.1
		8/F	66.0	66.1	0.1
	15c	2/F	62.0	62.1	0.1
		3/F	62.1	62.3	0.2
		4/F	62.3	62.4	0.1
		5/F	62.5	62.7	0.2
		6/F	62.8	63.0	0.2
		7/F	63.1	63.2	0.1
		8/F	63.3	63.4	0.1
	15d	2/F	70.7	70.9	0.2
		3/F	71.1	71.2	0.1
		4/F	71.4	71.5	0.1
		5/F	71.6	71.7	0.1
		6/F	71.7	71.8	0.1
		7/F	71.6	71.7	0.1
		8/F	71.6	71.7	0.1
	15e	2/F	61.0	61.1	0.1
		3/F	61.2	61.4	0.2
		4/F	61.4	61.5	0.1
		5/F	61.7	61.8	0.1
		6/F	62.0	62.1	0.1
		7/F	62.2	62.3	0.1
		8/F	62.4	62.5	0.1
	15f	2/F	68.8	68.9	0.1
		3/F	68.8	68.9	0.1
		4/F	69.0	69.1	0.1
		5/F	69.1	69.2	0.1
		6/F	69.3	69.3	0.0
		7/F	69.3	69.4	0.1
		8/F	69.3	69.4	0.1
16	16	2/F	62.9	63.0	0.1
		3/F	63.0	63.0	0.0
		4/F	63.1	63.2	0.1
		5/F	63.4	63.5	0.1
		6/F	63.7	63.8	0.1
		7/F	64.0	64.1	0.1
		8/F	64.2	64.3	0.1
		9/F	64.4	64.5	0.1
		10/F	64.4	64.5	0.1
		11/F	64.5	64.5	0.0
		12/F	64.5	64.6	0.1
		13/F	64.5	64.6	0.1
		14/F	64.5	64.6	0.1
		15/F	64.5	64.5	0.0
		16/F	64.5	64.6	0.1
		17/F	64.5	64.6	0.1
		18/F	64.5	64.6	0.1
		19/F	64.6	64.7	0.1
		20/F	64.7	64.7	0.0
		21/F	64.7	64.8	0.1
		22/F	64.7	64.8	0.1
		23/F	64.8	64.9	0.1
		24/F	64.8	64.9	0.1
		25/F	64.8	64.9	0.1
		26/F	64.8	64.9	0.1
		27/F	64.8	64.9	0.1
		28/F	64.8	64.9	0.1
		29/F	64.8	64.9	0.1
17	17	G/F	73.6	73.7	0.1
		1/F	73.6	73.7	0.1
		2/F	73.5	73.6	0.1
18	18	G/F	73.5	73.5	0.0
19	19	G/F	70.5	70.5	0.0
20	20	G/F	58.2	58.2	0.0
21	21	G/F	69.3	69.3	0.0
22	22	G/F	67.9	67.9	0.0
23	23	G/F	74.4	74.4	0.0
		1/F	74.2	74.3	0.1
24	24	G/F	71.9	72.0	0.1
		1/F	71.9	72.0	0.1
25	25	G/F	70.7	70.8	0.1
		1/F	70.7	70.8	0.1
		2/F	70.7	70.8	0.1

Appendix 2-9

Industrial Noise – Prevailing Noise Levels

Industrial Noise - Prevailing Noise Levels

Measurement Date: 28 February 2007
Weather Condition: Sunny and Calm
Remarks: No dominant noise source was observed at the measurement location

Location	Description	Elevation	Time	$L_{eq(30min)}$, dB(A)*
N1a	Hung Kiu San Tsuen	1.5m above local ground	0700-1900	66.5
			1900-2300	60.7
			2300-0700	60.9
N1b	Hung Kiu San Tsuen	1.5m above local ground	0700-1900	69.9
			1900-2300	65.2
			2300-0700	60.9

Appendix 2-10

Industrial Noise – Unmitigated (Daytime/Evening)

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	52.1	63.1	55
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		0.0	3.0	52.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		0.0	3.0	50.3		
		Truck/Forklift for Loading 1	98	2	101.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	48.9		
		Truck/Forklift for Loading 2	98	2	101.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	39.3		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	45.7		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	36.1		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	61.1		
		Lorry (Delivery)	105	4	111.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	48.0		
		Lorry (Collection)	105	1	105.0	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	37.0		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	51.3	62.3	55
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		0.0	3.0	51.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		0.0	3.0	50.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	47.0		
		Truck/Forklift for Loading 2	98	2	101.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	38.1		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	45.2		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	35.5		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	60.3		
		Lorry (Delivery)	105	4	111.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	46.4		
		Lorry (Collection)	105	1	105.0	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	35.4		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	47.4	58.2	55
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		0.0	3.0	47.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	45.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		0.0	3.0	45.8		
		Truck/Forklift for Loading 1	98	2	101.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	42.4		
		Truck/Forklift for Loading 2	98	2	101.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	35.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	38.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.8		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	56.4		
		Lorry (Delivery)	105	4	111.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	40.5		
		Lorry (Collection)	105	1	105.0	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	29.5		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	39.6	50.1	55
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	36.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		0.0	3.0	36.2		
		Truck/Forklift for Loading 1	98	2	101.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.6		
		Truck/Forklift for Loading 2	98	2	101.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.3		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.0		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.1		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	48.6		
		Lorry (Delivery)	105	4	111.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.9		
		Lorry (Collection)	105	1	105.0	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	19.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.7	52.4	55
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		0.0	3.0	41.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	39.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		0.0	3.0	39.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.4		
		Truck/Forklift for Loading 2	98	2	101.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.2		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.3		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.2		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.7		
		Lorry (Delivery)	105	4	111.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	33.4		
		Lorry (Collection)	105	1	105.0	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	22.4		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	39.6	54.2	55
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	37.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		0.0	3.0	37.4		
		Truck/Forklift for Loading 1	98	2	101.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.8		
		Truck/Forklift for Loading 2	98	2	101.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.7		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.4		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	53.6		
		Lorry (Delivery)	105	4	111.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.3		
		Lorry (Collection)	105	1	105.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.3		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	42.9	53.6	55
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		0.0	3.0	42.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	40.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		0.0	3.0	40.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	37.3		
		Truck/Forklift for Loading 2	98	2	101.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.5		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.4		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	51.9		
		Lorry (Delivery)	105	4	111.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.9		
		Lorry (Collection)	105	1	105.0	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.9		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.4	52.1	55
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		0.0	3.0	41.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	38.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		0.0	3.0	38.7		
		Truck/Forklift for Loading 1	98	2	101.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	35.7		
		Truck/Forklift for Loading 2	98	2	101.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.8		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.3		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.4		
		Lorry (Delivery)	105	4	111.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	33.1		
		Lorry (Collection)	105	1	105.0	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	22.1		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	44.4	56.3	55
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		0.0	3.0	44.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	43.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		0.0	3.0	43.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	47.1		
		Truck/Forklift for Loading 2	98	2	101.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.9		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	34.1		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	53.4		
		Lorry (Delivery)	105	4	111.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	46.1		
		Lorry (Collection)	105	1	105.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	40.1		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	44.9	59.5	55
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		0.0	3.0	44.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	43.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		0.0	3.0	43.7		
		Truck/Forklift for Loading 1	98	2	101.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.6		
		Truck/Forklift for Loading 2	98	2	101.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	33.2		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	58.9		
		Lorry (Delivery)	105	4	111.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	35.9		
		Lorry (Collection)	105	1	105.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	44.0	54.6	55
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		0.0	3.0	44.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	0.0	3.0	41.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		0.0	3.0	41.3		
		Truck/Forklift for Loading 1	98	2	101.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.5		
		Truck/Forklift for Loading 2	98	2	101.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.4		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	53.0		
		Lorry (Delivery)	105	4	111.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	35.0		
		Lorry (Collection)	105	1	105.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	29.0		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.7	49.3	55
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		0.0	3.0	38.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		0.0	3.0	35.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.7		
		Truck/Forklift for Loading 2	98	2	101.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	25.9		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.7		
		Lorry (Delivery)	105	4	111.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.0		
		Lorry (Collection)	105	1	105.0	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	19.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.2	48.8	55
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		0.0	3.0	38.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		0.0	3.0	35.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.0		
		Truck/Forklift for Loading 2	98	2	101.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.4		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.0		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	25.3		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.2		
		Lorry (Delivery)	105	4	111.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.4		
		Lorry (Collection)	105	1	105.0	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	18.4		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

Appendix 2-11

Industrial Noise – Unmitigated (Night-time)

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	52.1	62.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		0.0	3.0	52.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		0.0	3.0	50.3		
		Truck/Forklift for Loading 1	98	2	101.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	48.9		
		Truck/Forklift for Loading 2	98	2	101.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	39.3		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	61.1		
		Lorry (Delivery)	105	1	105.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	42.0		
		Lorry (Collection)	105	0	0.0	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	51.3	62.1	45
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		0.0	3.0	51.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		0.0	3.0	50.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	47.0		
		Truck/Forklift for Loading 2	98	2	101.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	38.1		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	60.3		
		Lorry (Delivery)	105	1	105.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	40.4		
		Lorry (Collection)	105	0	0.0	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	47.4	58.1	45
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		0.0	3.0	47.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	45.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		0.0	3.0	45.8		
		Truck/Forklift for Loading 1	98	2	101.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	42.4		
		Truck/Forklift for Loading 2	98	2	101.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	35.0		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	56.4		
		Lorry (Delivery)	105	1	105.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.5		
		Lorry (Collection)	105	0	0.0	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	39.6	50.0	45
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	36.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		0.0	3.0	36.2		
		Truck/Forklift for Loading 1	98	2	101.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.6		
		Truck/Forklift for Loading 2	98	2	101.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.3		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	48.6		
		Lorry (Delivery)	105	1	105.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.9		
		Lorry (Collection)	105	0	0.0	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.7	52.3	45
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		0.0	3.0	41.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	39.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		0.0	3.0	39.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.4		
		Truck/Forklift for Loading 2	98	2	101.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.2		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.7		
		Lorry (Delivery)	105	1	105.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	27.4		
		Lorry (Collection)	105	0	0.0	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	39.6	54.1	45
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	37.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		0.0	3.0	37.4		
		Truck/Forklift for Loading 1	98	2	101.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.8		
		Truck/Forklift for Loading 2	98	2	101.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.7		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	53.6		
		Lorry (Delivery)	105	1	105.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.3		
		Lorry (Collection)	105	0	0.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	42.9	53.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		0.0	3.0	42.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	40.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		0.0	3.0	40.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	37.3		
		Truck/Forklift for Loading 2	98	2	101.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	51.9		
		Lorry (Delivery)	105	1	105.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	28.9		
		Lorry (Collection)	105	0	0.0	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.4	52.0	45
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		0.0	3.0	41.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	38.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		0.0	3.0	38.7		
		Truck/Forklift for Loading 1	98	2	101.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	35.7		
		Truck/Forklift for Loading 2	98	2	101.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.8		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.4		
		Lorry (Delivery)	105	1	105.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	27.1		
		Lorry (Collection)	105	0	0.0	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	44.4	55.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		0.0	3.0	44.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	43.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		0.0	3.0	43.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	47.1		
		Truck/Forklift for Loading 2	98	2	101.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.9		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	53.4		
		Lorry (Delivery)	105	1	105.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	40.1		
		Lorry (Collection)	105	0	0.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	0.0		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	44.9	59.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		0.0	3.0	44.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	43.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		0.0	3.0	43.7		
		Truck/Forklift for Loading 1	98	2	101.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.6		
		Truck/Forklift for Loading 2	98	2	101.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	58.9		
		Lorry (Delivery)	105	1	105.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.9		
		Lorry (Collection)	105	0	0.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		

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								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	44.0	54.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		0.0	3.0	44.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	0.0	3.0	41.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		0.0	3.0	41.3		
		Truck/Forklift for Loading 1	98	2	101.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.5		
		Truck/Forklift for Loading 2	98	2	101.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	53.0		
		Lorry (Delivery)	105	1	105.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	29.0		
		Lorry (Collection)	105	0	0.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	0.0		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.7	49.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		0.0	3.0	38.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		0.0	3.0	35.9		
		Truck/Forklift for Loading 1	98	2	101.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.7		
		Truck/Forklift for Loading 2	98	2	101.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.0		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.7		
		Lorry (Delivery)	105	1	105.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.0		
		Lorry (Collection)	105	0	0.0	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.2	48.8	45
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		0.0	3.0	38.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		0.0	3.0	35.5		
		Truck/Forklift for Loading 1	98	2	101.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.0		
		Truck/Forklift for Loading 2	98	2	101.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	26.4		
		Truck/Forklift for Unloading 1	98	0	0.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	98	0	0.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.2		
		Lorry (Delivery)	105	1	105.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	23.4		
		Lorry (Collection)	105	0	0.0	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	52.1	62.7	45
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		0.0	3.0	52.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		0.0	3.0	50.3		
		Truck/Forklift for Loading 1	98	0	0.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	45.7		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	36.1		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	61.1		
		Lorry (Delivery)	105	0	0.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	41.8		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	51.3	62.1	45
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		0.0	3.0	51.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	50.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		0.0	3.0	50.5		
		Truck/Forklift for Loading 1	98	0	0.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	45.2		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	35.5		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	60.3		
		Lorry (Delivery)	105	0	0.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	40.2		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	47.4	58.0	45
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		0.0	3.0	47.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	45.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		0.0	3.0	45.8		
		Truck/Forklift for Loading 1	98	0	0.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	38.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.8		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	56.4		
		Lorry (Delivery)	105	0	0.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	34.3		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	39.6	50.0	45
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	36.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		0.0	3.0	36.2		
		Truck/Forklift for Loading 1	98	0	0.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.0		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.1		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	48.6		
		Lorry (Delivery)	105	0	0.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	24.7		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.7	52.3	45
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		0.0	3.0	41.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	39.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		0.0	3.0	39.9		
		Truck/Forklift for Loading 1	98	0	0.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.3		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.2		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.7		
		Lorry (Delivery)	105	0	0.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	27.2		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	39.6	54.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		0.0	3.0	39.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	37.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		0.0	3.0	37.4		
		Truck/Forklift for Loading 1	98	0	0.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.4		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	53.6		
		Lorry (Delivery)	105	0	0.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.1		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	42.9	53.4	45
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		0.0	3.0	42.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	40.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		0.0	3.0	40.5		
		Truck/Forklift for Loading 1	98	0	0.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.5		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	29.4		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	51.9		
		Lorry (Delivery)	105	0	0.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	28.7		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	41.4	51.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		0.0	3.0	41.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	38.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		0.0	3.0	38.7		
		Truck/Forklift for Loading 1	98	0	0.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	28.3		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	50.4		
		Lorry (Delivery)	105	0	0.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	26.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	44.4	55.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		0.0	3.0	44.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	43.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		0.0	3.0	43.9		
		Truck/Forklift for Loading 1	98	0	0.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	34.1		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	53.4		
		Lorry (Delivery)	105	0	0.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	44.9		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	44.9	59.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		0.0	3.0	44.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	0.0	3.0	43.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		0.0	3.0	43.7		
		Truck/Forklift for Loading 1	98	0	0.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	33.2		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	0.0	3.0	58.9		
		Lorry (Delivery)	105	0	0.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.7		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	44.0	54.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		0.0	3.0	44.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	0.0	3.0	41.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		0.0	3.0	41.3		
		Truck/Forklift for Loading 1	98	0	0.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	31.1		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	32.4		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	0.0	3.0	53.0		
		Lorry (Delivery)	105	0	0.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	33.8		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.7	49.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		0.0	3.0	38.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		0.0	3.0	35.9		
		Truck/Forklift for Loading 1	98	0	0.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.6		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	25.9		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.7		
		Lorry (Delivery)	105	0	0.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.8		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	0.0	3.0	38.2	48.7	45
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		0.0	3.0	38.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	0.0	3.0	35.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		0.0	3.0	35.5		
		Truck/Forklift for Loading 1	98	0	0.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	98	0	0.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	98	2	101.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	27.0		
		Truck/Forklift for Unloading 2	98	2	101.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	25.3		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	0.0	3.0	47.2		
		Lorry (Delivery)	105	0	0.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.2		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

Appendix 2-12

Industrial Noise – Mitigated (Daytime/Evening)

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	32.1	49.1	55
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		-20.0	3.0	32.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		-20.0	3.0	30.3		
		Truck/Forklift for Loading 1	83	2	86.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	33.9		
		Truck/Forklift for Loading 2	83	2	86.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	24.3		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	21.1		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	36.1		
		Lorry (Delivery)	105	4	111.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	48.0		
		Lorry (Collection)	105	1	105.0	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	37.0		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	31.3	47.7	55
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		-20.0	3.0	31.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		-20.0	3.0	30.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.0		
		Truck/Forklift for Loading 2	83	2	86.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	23.1		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.2		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	20.5		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	35.3		
		Lorry (Delivery)	105	4	111.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	46.4		
		Lorry (Collection)	105	1	105.0	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	35.4		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	27.4	42.1	55
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		-20.0	3.0	27.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	25.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		-20.0	3.0	25.8		
		Truck/Forklift for Loading 1	83	2	86.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	27.4		
		Truck/Forklift for Loading 2	83	2	86.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	20.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	23.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.8		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	31.4		
		Lorry (Delivery)	105	4	111.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	40.5		
		Lorry (Collection)	105	1	105.0	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	29.5		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	19.6	32.8	55
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	16.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		-20.0	3.0	16.2		
		Truck/Forklift for Loading 1	83	2	86.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.6		
		Truck/Forklift for Loading 2	83	2	86.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.3		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.0		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.1		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	23.6		
		Lorry (Delivery)	105	4	111.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.9		
		Lorry (Collection)	105	1	105.0	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	19.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.7	35.2	55
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		-20.0	3.0	21.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	19.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		-20.0	3.0	19.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.4		
		Truck/Forklift for Loading 2	83	2	86.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.2		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.3		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.2		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.7		
		Lorry (Delivery)	105	4	111.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	33.4		
		Lorry (Collection)	105	1	105.0	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	22.4		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	19.6	33.8	55
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	17.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		-20.0	3.0	17.4		
		Truck/Forklift for Loading 1	83	2	86.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.8		
		Truck/Forklift for Loading 2	83	2	86.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.7		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.4		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	28.6		
		Lorry (Delivery)	105	4	111.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.3		
		Lorry (Collection)	105	1	105.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.3		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	22.9	36.8	55
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		-20.0	3.0	22.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	20.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		-20.0	3.0	20.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	22.3		
		Truck/Forklift for Loading 2	83	2	86.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.5		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.4		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	26.9		
		Lorry (Delivery)	105	4	111.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.9		
		Lorry (Collection)	105	1	105.0	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.9		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.4	35.0	55
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		-20.0	3.0	21.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	18.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		-20.0	3.0	18.7		
		Truck/Forklift for Loading 1	83	2	86.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	20.7		
		Truck/Forklift for Loading 2	83	2	86.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.8		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.3		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.4		
		Lorry (Delivery)	105	4	111.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	33.1		
		Lorry (Collection)	105	1	105.0	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	22.1		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	24.4	47.4	55
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		-20.0	3.0	24.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	23.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		-20.0	3.0	23.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	32.1		
		Truck/Forklift for Loading 2	83	2	86.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.9		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	19.1		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.7		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	28.4		
		Lorry (Delivery)	105	4	111.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	46.1		
		Lorry (Collection)	105	1	105.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	40.1		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	24.9	39.4	55
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		-20.0	3.0	24.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	23.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		-20.0	3.0	23.7		
		Truck/Forklift for Loading 1	83	2	86.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.6		
		Truck/Forklift for Loading 2	83	2	86.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	18.2		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	33.9		
		Lorry (Delivery)	105	4	111.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	35.9		
		Lorry (Collection)	105	1	105.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-20.0	3.0	24.0	37.4	55
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		-20.0	3.0	24.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	-20.0	3.0	21.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		-20.0	3.0	21.3		
		Truck/Forklift for Loading 1	83	2	86.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.5		
		Truck/Forklift for Loading 2	83	2	86.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.7		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.4		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-25.0	3.0	28.0		
		Lorry (Delivery)	105	4	111.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	35.0		
		Lorry (Collection)	105	1	105.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	29.0		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.7	32.0	55
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		-20.0	3.0	18.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		-20.0	3.0	15.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	17.7		
		Truck/Forklift for Loading 2	83	2	86.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	10.9		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.7		
		Lorry (Delivery)	105	4	111.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	30.0		
		Lorry (Collection)	105	1	105.0	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	19.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.2	31.5	55
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		-20.0	3.0	18.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		-20.0	3.0	15.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	17.0		
		Truck/Forklift for Loading 2	83	2	86.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.4		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.0		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	10.3		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.2		
		Lorry (Delivery)	105	4	111.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.4		
		Lorry (Collection)	105	1	105.0	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	18.4		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

Mitigation Measures:

9. A noise reduction of -20 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) for ventilation fans (the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD refers).
10. A noise reduction of -25 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) and silencers for chillers (GP-VS refers).
11. Quieter truck/forklift for loading/unloading activities with a SWL of not higher than 83dB(A) should be used.

Appendix 2-13

Industrial Noise – Mitigated (Night-time)

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	32.1	44.5	45
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		-20.0	3.0	32.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		-20.0	3.0	30.3		
		Truck/Forklift for Loading 1	83	2	86.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	33.9		
		Truck/Forklift for Loading 2	83	2	86.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	24.3		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	36.1		
		Lorry (Delivery)	105	1	105.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	42.0		
		Lorry (Collection)	105	0	0.0	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	31.3	43.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		-20.0	3.0	31.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		-20.0	3.0	30.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	32.0		
		Truck/Forklift for Loading 2	83	2	86.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	23.1		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	35.3		
		Lorry (Delivery)	105	1	105.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	40.4		
		Lorry (Collection)	105	0	0.0	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	27.4	38.3	45
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		-20.0	3.0	27.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	25.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		-20.0	3.0	25.8		
		Truck/Forklift for Loading 1	83	2	86.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	27.4		
		Truck/Forklift for Loading 2	83	2	86.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	20.0		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	31.4		
		Lorry (Delivery)	105	1	105.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.5		
		Lorry (Collection)	105	0	0.0	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	19.6	29.3	45
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	16.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		-20.0	3.0	16.2		
		Truck/Forklift for Loading 1	83	2	86.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.6		
		Truck/Forklift for Loading 2	83	2	86.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.3		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	23.6		
		Lorry (Delivery)	105	1	105.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.9		
		Lorry (Collection)	105	0	0.0	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.7	31.7	45
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		-20.0	3.0	21.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	19.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		-20.0	3.0	19.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.4		
		Truck/Forklift for Loading 2	83	2	86.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.2		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.7		
		Lorry (Delivery)	105	1	105.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	27.4		
		Lorry (Collection)	105	0	0.0	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	19.6	31.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	17.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		-20.0	3.0	17.4		
		Truck/Forklift for Loading 1	83	2	86.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.8		
		Truck/Forklift for Loading 2	83	2	86.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.7		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	28.6		
		Lorry (Delivery)	105	1	105.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.3		
		Lorry (Collection)	105	0	0.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	22.9	33.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		-20.0	3.0	22.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	20.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		-20.0	3.0	20.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	22.3		
		Truck/Forklift for Loading 2	83	2	86.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	26.9		
		Lorry (Delivery)	105	1	105.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	28.9		
		Lorry (Collection)	105	0	0.0	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.4	31.6	45
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		-20.0	3.0	21.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	18.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		-20.0	3.0	18.7		
		Truck/Forklift for Loading 1	83	2	86.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	20.7		
		Truck/Forklift for Loading 2	83	2	86.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.8		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.4		
		Lorry (Delivery)	105	1	105.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	27.1		
		Lorry (Collection)	105	0	0.0	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

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								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	24.4	41.3	45
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		-20.0	3.0	24.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	23.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		-20.0	3.0	23.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	32.1		
		Truck/Forklift for Loading 2	83	2	86.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.9		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	28.4		
		Lorry (Delivery)	105	1	105.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	40.1		
		Lorry (Collection)	105	0	0.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	0.0		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	24.9	36.6	45
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		-20.0	3.0	24.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	23.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		-20.0	3.0	23.7		
		Truck/Forklift for Loading 1	83	2	86.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.6		
		Truck/Forklift for Loading 2	83	2	86.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	33.9		
		Lorry (Delivery)	105	1	105.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.9		
		Lorry (Collection)	105	0	0.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		

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								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-20.0	3.0	24.0	33.6	45
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		-20.0	3.0	24.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	-20.0	3.0	21.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		-20.0	3.0	21.3		
		Truck/Forklift for Loading 1	83	2	86.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.5		
		Truck/Forklift for Loading 2	83	2	86.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.7		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-25.0	3.0	28.0		
		Lorry (Delivery)	105	1	105.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	29.0		
		Lorry (Collection)	105	0	0.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	0.0		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.7	28.7	45
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		-20.0	3.0	18.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		-20.0	3.0	15.9		
		Truck/Forklift for Loading 1	83	2	86.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	17.7		
		Truck/Forklift for Loading 2	83	2	86.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.0		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.7		
		Lorry (Delivery)	105	1	105.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	24.0		
		Lorry (Collection)	105	0	0.0	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

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								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.2	28.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		-20.0	3.0	18.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		-20.0	3.0	15.5		
		Truck/Forklift for Loading 1	83	2	86.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	17.0		
		Truck/Forklift for Loading 2	83	2	86.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	11.4		
		Truck/Forklift for Unloading 1	83	0	0.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 2	83	0	0.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.2		
		Lorry (Delivery)	105	1	105.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	23.4		
		Lorry (Collection)	105	0	0.0	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	0.0		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

Mitigation Measures:

9. A noise reduction of -20 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) for ventilation fans (the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD refers).
10. A noise reduction of -25 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) and silencers for chillers (GP-VS refers).
11. Quieter truck/forklift for loading/unloading activities with a SWL of not higher than 83dB(A) should be used.

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1a	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	78.4	0.0	-45.9	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	32.1	44.1	45
		Exhaust Fan for PSC	99	4	105.0	100%	78.4	0.0	-45.9	-10.0		-20.0	3.0	32.1		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	68.2	0.0	-44.7	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.3		
		Exhaust Fan for WTF	99	2	102.0	100%	68.2	0.0	-44.7	-10.0		-20.0	3.0	30.3		
		Truck/Forklift for Loading 1	83	0	0.0	50%	50.8	-3.0	-42.1	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	86.2	-3.0	-46.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	41.4	-3.0	-40.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.7		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	124.3	-3.0	-49.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	21.1		
		Air-cooled Chiller	105	8	114.0	100%	78.4	0.0	-45.9	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	36.1		
		Lorry (Delivery)	105	0	0.0	2.8%	41.9	-15.6	-40.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	41.9	-15.6	-40.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	41.8		
N1b	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	85.9	0.0	-46.7	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	31.3	43.0	45
		Exhaust Fan for PSC	99	4	105.0	100%	85.9	0.0	-46.7	-10.0		-20.0	3.0	31.3		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	66.7	0.0	-44.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	30.5		
		Exhaust Fan for WTF	99	2	102.0	100%	66.7	0.0	-44.5	-10.0		-20.0	3.0	30.5		
		Truck/Forklift for Loading 1	83	0	0.0	50%	63.0	-3.0	-44.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	98.6	-3.0	-47.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	43.6	-3.0	-40.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	30.2		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	133.6	-3.0	-50.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	20.5		
		Air-cooled Chiller	105	8	114.0	100%	85.9	0.0	-46.7	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	35.3		
		Lorry (Delivery)	105	0	0.0	2.8%	50.0	-15.6	-42.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	50.0	-15.6	-42.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	40.2		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N1c	Hung Kiu San Tsuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	135.0	0.0	-50.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	27.4	37.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	135.0	0.0	-50.6	-10.0		-20.0	3.0	27.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	114.7	0.0	-49.2	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	25.8		
		Exhaust Fan for WTF	99	2	102.0	100%	114.7	0.0	-49.2	-10.0		-20.0	3.0	25.8		
		Truck/Forklift for Loading 1	83	0	0.0	50%	106.9	-3.0	-48.6	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	141.5	-3.0	-51.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	93.4	-3.0	-47.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	23.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	181.4	-3.0	-53.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.8		
		Air-cooled Chiller	105	8	114.0	100%	135.0	0.0	-50.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	31.4		
		Lorry (Delivery)	105	0	0.0	2.8%	99.0	-15.6	-47.9	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	99.0	-15.6	-47.9	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	34.3		
N2	Tin Hau Temple	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	333.4	0.0	-58.4	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	19.6	29.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	333.4	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	346.7	0.0	-58.8	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	16.2		
		Exhaust Fan for WTF	99	2	102.0	100%	346.7	0.0	-58.8	-10.0		-20.0	3.0	16.2		
		Truck/Forklift for Loading 1	83	0	0.0	50%	294.5	-3.0	-57.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	304.9	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	318.4	-3.0	-58.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.0		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	353.4	-3.0	-58.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.1		
		Air-cooled Chiller	105	8	114.0	100%	333.4	0.0	-58.4	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	23.6		
		Lorry (Delivery)	105	0	0.0	2.8%	297.9	-15.6	-57.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	297.9	-15.6	-57.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	24.7		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N3	Lee Ka Yuen	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	261.0	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.7	31.6	45
		Exhaust Fan for PSC	99	4	105.0	100%	261.0	0.0	-56.3	-10.0		-20.0	3.0	21.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	226.3	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	19.9		
		Exhaust Fan for WTF	99	2	102.0	100%	226.3	0.0	-55.1	-10.0		-20.0	3.0	19.9		
		Truck/Forklift for Loading 1	83	0	0.0	50%	239.8	-3.0	-55.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	275.2	-3.0	-56.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	215.5	-3.0	-54.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.3		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	310.0	-3.0	-57.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.2		
		Air-cooled Chiller	105	8	114.0	100%	261.0	0.0	-56.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.7		
		Lorry (Delivery)	105	0	0.0	2.8%	223.8	-15.6	-55.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	223.8	-15.6	-55.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	27.2		
N4	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	330.1	0.0	-58.4	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	19.6	32.7	45
		Exhaust Fan for PSC	99	4	105.0	100%	330.1	0.0	-58.4	-10.0		-20.0	3.0	19.6		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	303.0	0.0	-57.6	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	17.4		
		Exhaust Fan for WTF	99	2	102.0	100%	303.0	0.0	-57.6	-10.0		-20.0	3.0	17.4		
		Truck/Forklift for Loading 1	83	0	0.0	50%	363.4	-3.0	-59.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	369.5	-3.0	-59.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	331.1	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	338.5	-3.0	-58.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.4		
		Air-cooled Chiller	105	8	114.0	100%	330.1	0.0	-58.4	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	28.6		
		Lorry (Delivery)	105	0	0.0	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	319.5	-15.6	-58.1	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	29.1		

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								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N18	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	226.6	0.0	-55.1	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	22.9	32.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	226.6	0.0	-55.1	-10.0		-20.0	3.0	22.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	212.7	0.0	-54.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	20.5		
		Exhaust Fan for WTF	99	2	102.0	100%	212.7	0.0	-54.5	-10.0		-20.0	3.0	20.5		
		Truck/Forklift for Loading 1	83	0	0.0	50%	192.1	-3.0	-53.7	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	222.2	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	189.4	-3.0	-53.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.5		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	268.6	-3.0	-56.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	14.4		
		Air-cooled Chiller	105	8	114.0	100%	226.6	0.0	-55.1	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	26.9		
		Lorry (Delivery)	105	0	0.0	2.8%	188.6	-15.6	-53.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	188.6	-15.6	-53.5	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	28.7		
N19	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	268.8	0.0	-56.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	21.4	31.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	268.8	0.0	-56.6	-10.0		-20.0	3.0	21.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	260.6	0.0	-56.3	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	18.7		
		Exhaust Fan for WTF	99	2	102.0	100%	260.6	0.0	-56.3	-10.0		-20.0	3.0	18.7		
		Truck/Forklift for Loading 1	83	0	0.0	50%	231.7	-3.0	-55.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	258.1	-3.0	-56.2	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	235.6	-3.0	-55.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	306.8	-3.0	-57.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	13.3		
		Air-cooled Chiller	105	8	114.0	100%	268.8	0.0	-56.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	25.4		
		Lorry (Delivery)	105	0	0.0	2.8%	232.9	-15.6	-55.3	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	232.9	-15.6	-55.3	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	26.9		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N20	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	190.5	0.0	-53.6	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	24.4	45.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	190.5	0.0	-53.6	-10.0		-20.0	3.0	24.4		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	142.6	0.0	-51.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	23.9		
		Exhaust Fan for WTF	99	2	102.0	100%	142.6	0.0	-51.1	-10.0		-20.0	3.0	23.9		
		Truck/Forklift for Loading 1	83	0	0.0	50%	198.2	-3.0	-53.9	0.0	No screening	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	226.4	-3.0	-55.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	156.4	-3.0	-51.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	19.1		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	233.1	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	15.7		
		Air-cooled Chiller	105	8	114.0	100%	190.5	0.0	-53.6	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	28.4		
		Lorry (Delivery)	105	0	0.0	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	164.9	-15.6	-52.3	0.0	No screening	0.0	3.0	44.9		
N21	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	179.8	0.0	-53.1	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	24.9	38.2	45
		Exhaust Fan for PSC	99	4	105.0	100%	179.8	0.0	-53.1	-10.0		-20.0	3.0	24.9		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	146.8	0.0	-51.3	-10.0	Fan will be fully screened by 2m high fence wall at the rooftop	-20.0	3.0	23.7		
		Exhaust Fan for WTF	99	2	102.0	100%	146.8	0.0	-51.3	-10.0		-20.0	3.0	23.7		
		Truck/Forklift for Loading 1	83	0	0.0	50%	209.3	-3.0	-54.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	220.8	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	174.3	-3.0	-52.8	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	18.2		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	199.9	-3.0	-54.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.0		
		Air-cooled Chiller	105	8	114.0	100%	179.8	0.0	-53.1	-5.0	Air cooled chiller will be partially screened by 2m high fence wall at the rooftop.	-25.0	3.0	33.9		
		Lorry (Delivery)	105	0	0.0	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	168.8	-15.6	-52.5	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	34.7		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N22	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-20.0	3.0	24.0	35.9	45
		Exhaust Fan for PSC	99	4	105.0	100%	199.9	0.0	-54.0	-10.0		-20.0	3.0	24.0		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	194.2	0.0	-53.7	-10.0	Screened by the nature slope	-20.0	3.0	21.3		
		Exhaust Fan for WTF	99	2	102.0	100%	194.2	0.0	-53.7	-10.0		-20.0	3.0	21.3		
		Truck/Forklift for Loading 1	83	0	0.0	50%	238.9	-3.0	-55.5	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	232.2	-3.0	-55.3	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	220.7	-3.0	-54.9	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	16.1		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	190.2	-3.0	-53.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	17.4		
		Air-cooled Chiller	105	8	114.0	100%	199.9	0.0	-54.0	-10.0	Screened by the nature slope	-25.0	3.0	28.0		
		Lorry (Delivery)	105	0	0.0	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	186.7	-15.6	-53.4	-10.0	Screened by the nature slope	0.0	3.0	33.8		
N23	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	366.2	0.0	-59.3	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.7	28.4	45
		Exhaust Fan for PSC	99	4	105.0	100%	366.2	0.0	-59.3	-10.0		-20.0	3.0	18.7		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	358.0	0.0	-59.1	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.9		
		Exhaust Fan for WTF	99	2	102.0	100%	358.0	0.0	-59.1	-10.0		-20.0	3.0	15.9		
		Truck/Forklift for Loading 1	83	0	0.0	50%	328.7	-3.0	-58.3	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	353.8	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	333.2	-3.0	-58.4	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.6		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	403.0	-3.0	-60.1	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	10.9		
		Air-cooled Chiller	105	8	114.0	100%	366.2	0.0	-59.3	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.7		
		Lorry (Delivery)	105	0	0.0	2.8%	330.7	-15.6	-58.4	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	330.7	-15.6	-58.4	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.8		

NSR	Description	Potential Fixed-noise Sources	SWL/unit, dB(A)	No. of Equipments	Total SWL, dB(A)	% on time	Distance, m	Correction, dB(A)						CNL, dB(A)	Total CNL, dB(A)	Criterion, dB(A)
								% on time	Distance	Screening	Justifications of adopted screening effect	Proposed Noise Reduction	Facade			
N24	Village House	Exhaust Fan for De-odourising Unit (PSC)	99	4	105.0	100%	390.5	0.0	-59.8	-10.0	Fans will be fully screened by upper roof of the PSC	-20.0	3.0	18.2	27.8	45
		Exhaust Fan for PSC	99	4	105.0	100%	390.5	0.0	-59.8	-10.0		-20.0	3.0	18.2		
		Exhaust Fan for De-odourising Unit (WTF)	99	2	102.0	100%	377.2	0.0	-59.5	-10.0	Fans will be fully screened by upper roof of the WTF	-20.0	3.0	15.5		
		Exhaust Fan for WTF	99	2	102.0	100%	377.2	0.0	-59.5	-10.0		-20.0	3.0	15.5		
		Truck/Forklift for Loading 1	83	0	0.0	50%	354.5	-3.0	-59.0	-10.0	Forklift operation will be fully screened by the 4m high fence wall	0.0	3.0	0.0		
		Truck/Forklift for Loading 2	83	0	0.0	50%	382.1	-3.0	-59.6	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	0.0		
		Truck/Forklift for Unloading 1	83	2	86.0	50%	354.2	-3.0	-59.0	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	12.0		
		Truck/Forklift for Unloading 2	83	2	86.0	50%	430.2	-3.0	-60.7	-15.0	Forklift operation will be semi-enclosed.	0.0	3.0	10.3		
		Air-cooled Chiller	105	8	114.0	100%	390.5	0.0	-59.8	-10.0	Chillers will be fully screened by upper roof of the PSC	-25.0	3.0	22.2		
		Lorry (Delivery)	105	0	0.0	2.8%	354.0	-15.6	-59.0	-10.0	Fully screened by the 5m high Guard Post	0.0	3.0	0.0		
		Lorry (Collection)	105	3	109.8	2.8%	354.0	-15.6	-59.0	-15.0	Calculated screening effect of the 5m high E&M Room with 0.5m canopy	0.0	3.0	23.2		

Notes:

General:

1. "SWL" - Sound Power Level, "CNL" - Corrected Noise Level.
2. SWLs of the exhaust fans & air-cooled chillers used during the operation phase are derived from the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD.
3. Volume flowrate of each exhaust fan for de-odourisation unit or plant building will be 8,600m^3/hr at static pressure 750Pa. The SWL of each fan will be 99dB(A) (GP-VS refers).
4. The cooling capacity of each air-cooled chiller will be 200 ton. The SWL of each chiller will be 105 dB(A) (GP-VS refers).
5. SWL of the truck/forklift used for loading freshly slaughtered chickens should be between 76 and 98 dB(A) as derived from the typical plant noise levels of 51-73dB(A) at 7m as per *Environment Protection Manual for Authorised Officers, New South Wales*, Environmental Protection Authority.
6. Lorry weight should be less than 38 tonnes and the SWL (105 dB(A)) of a lorry is referred to EPD's "*Sound power levels of other commonly used PME*".
7. The vehicular speed will be 15km/hr and the travelling distance will be about 200m within the site (in/out inclusive). Thus, the travelling time of the lorries will last for ~50 seconds within any 30 minutes.
8. The forklift operation will last for ~15 minutes within any 30 minutes.

Mitigation Measures:

9. A noise reduction of -20 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) for ventilation fans (the *Good Practices on Ventilation System Noise Control* (GP-VS) issued by EPD refers).
10. A noise reduction of -25 dB(A) can likely be achieved by providing full enclosure together with isolator (spring, floating slab, etc) and silencers for chillers (GP-VS refers).
11. Quieter truck/forklift for loading/unloading activities with a SWL of not higher than 83dB(A) should be used.

Appendix 2-14

Calculation of Barrier Effect

Calculation of Barrier Effect

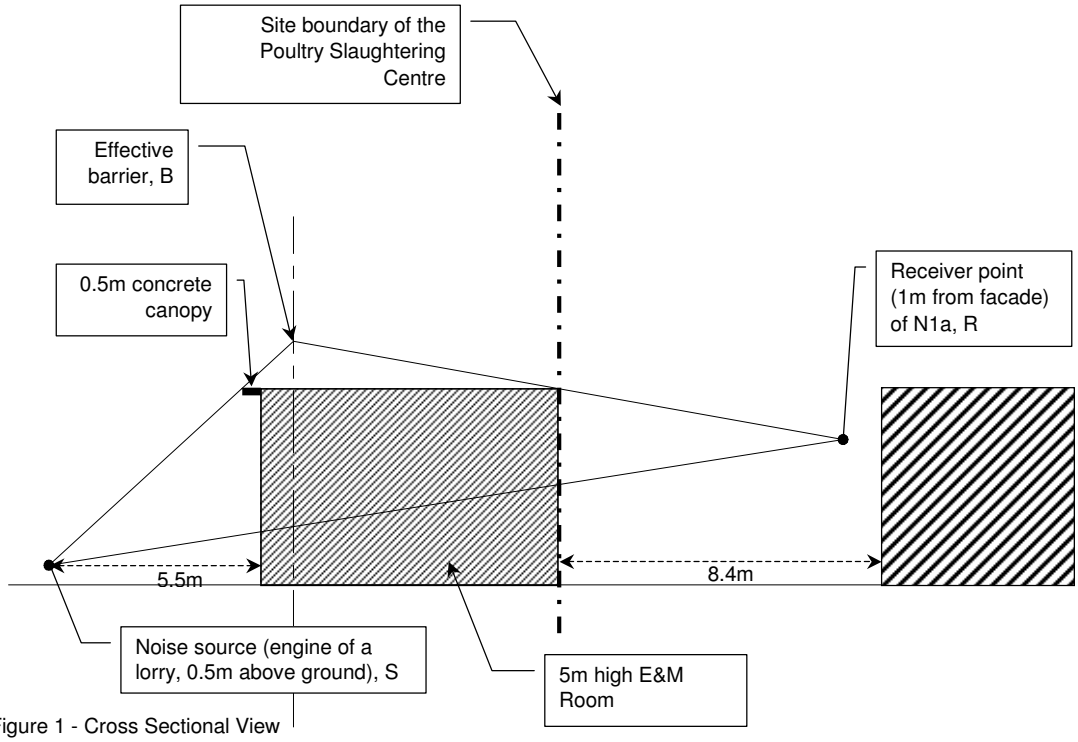


Figure 1 - Cross Sectional View

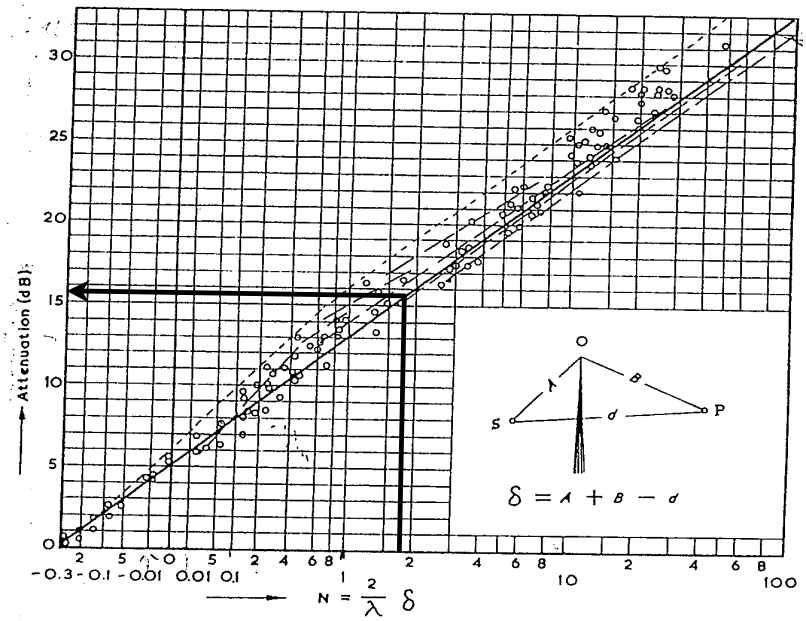


Figure 2 - Sound Attenutation by a Semi-Infinite Screen (Source: Figure 4 of the *Noise by Screen*, Z. Maekawa, 1968).

Calculation of Path Difference

Length of S-B-R	=	23.4 m
Leung of S-R	=	21.2 m
Path difference (δ)	=	2.2 m
Dominant frequency*	=	125 Hz
Speed of sound	=	330 m/s
Wavelength (λ)	=	2.6 m
Fresnel's Zone Number (N)	=	1.7
Barrier attenuation	=	-15.5 dB
Adopted barrier attenuation	=	-15 dB

* - With reference to Section 6.2 of the *Transportation Noise Reference Book*, P.M. Nelson, Butterworths (1987), the levels in the 100 - 200Hz region are higher than in the mid-frequency range. Thus, 125Hz is considered to be the dominant frequency of a lorry.

** - The above barrier calculation is applied for the EIA Study for Provision of a Poultry Slaughtering Centre in Sheung Shui only.

Appendix 2-15

Photographs of Identified NSRs

- **Photo 1 N1a (Hung Kiu San Tsuen)**

- **Photo 2 N1b (Hung Kiu San Tsuen)**

- **Photo 3 N1c (Hung Kiu San Tsuen)**

- **Photo 4 N1d (Hung Kiu San Tsuen)**

- **Photo 5 N2 (Tin Hau Temple)**

- **Photo 6 N3 (Lee Ka Yuen)**

- **Photo 7 N4 (Village House)**

- **Photo 8 N5a (San Uk Ling)**

- **Photo 9 N5b (San Uk Ling)**

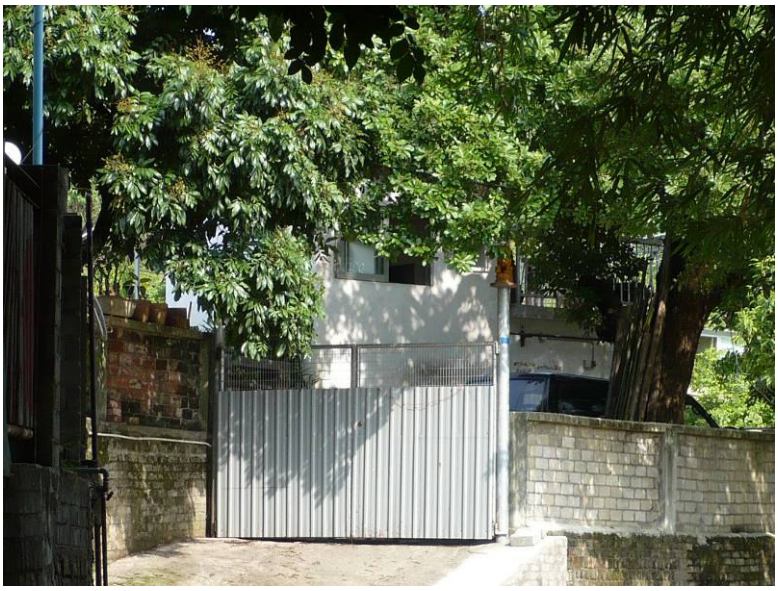
- **Photo 10 N5c (San Uk Ling)**

- **Photo 11 N5d (San Uk Ling)**

- **Photo 12 N5e (San Uk Ling)**

- **Photo 13 N5f (San Uk Ling)**

- **Photo 14 N5g (San Uk Ling)**



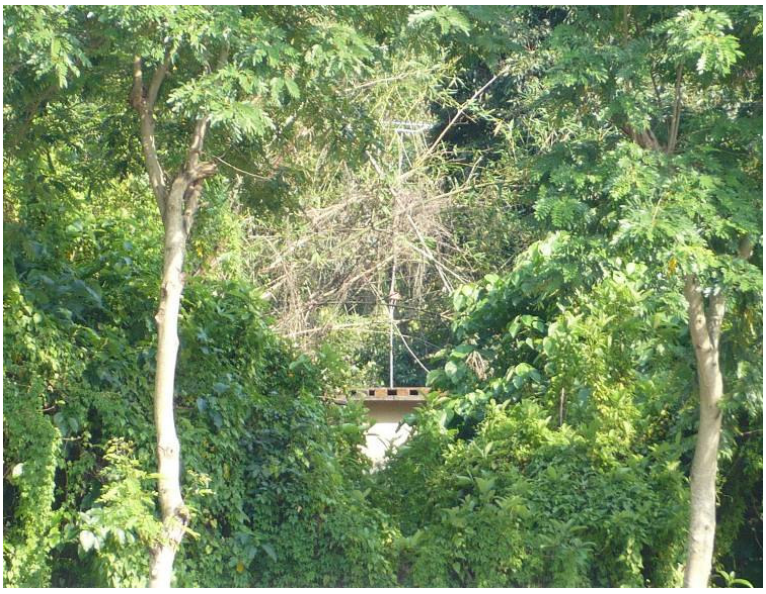
- **Photo 15 N5h (San Uk Ling)**

- **Photo 16 N5i (San Uk Ling)**

- **Photo 17 N5j (San Uk Ling)**

- **Photo 18 N5k (San Uk Ling)**

- **Photo 19 N5l (San Uk Ling)**



- **Photo 20 N6a (San Uk Ling)**

- **Photo 21 N6b (San Uk Ling)**

- **Photo 22 N6c (San Uk Ling)**

- **Photo 23 N6d (San Uk Ling)**

- **Photo 24 N6e (San Uk Ling)**

- **Photo 25 N6f (San Uk Ling)**

- **Photo 26 N6g (San Uk Ling)**

- **Photo 27 N6h (San Uk Ling)**

- **Photo 28 N6i (San Uk Ling)**

- **Photo 29 N6j (San Uk Ling)**

- **Photo 30 N6k (San Uk Ling)**

- **Photo 31 N6l (San Uk Ling)**

- **Photo 32 N7a (Man Kok Tsuen)**

- **Photo 33 N7b (Man Kok Tsuen)**

- **Photo 34 Inner Area of Man Kok Tsuen**

- **Photo 35 N8a (Ha Pak Tsuen)**

- **Photo 36 N8b (Ha Pak Tsuen)**

- **Photo 37 N8c (Ha Pak Tsuen)**

- **Photo 38 Inner Area of Ha Pak Tsuen**

- **Photo 39 N9a (Sheung Pak Tsuen)**

- **Photo 40 N9b (Sheung Pak Tsuen)**

- **Photo 41 N9c (Sheung Pak Tsuen)**

- **Photo 42 Inner Area of Sheung Pak Tsuen**

- **Photo 43 N10a (Tai Yuen Tsuen)**

- **Photo 44 N10b (Tai Yuen Tsuen)**

- **Photo 45 N10c (Tai Yuen Tsuen)**

- **Photo 46 N10d (Tai Yuen Tsuen)**

- **Photo 47 Inner Area of Tai Yuen Tsuen**

- **Photo 48 N11 (Sheung Shui Seventh-day Adventist Church)**

- **Photo 49 N12a (Hing Yan Tsuen)**

- **Photo 50 N12b (Hing Yan Tsuen)**

- **Photo 51 N12c (Hing Yan Tsuen)**

- **Photo 52 N12d (Hing Yan Tsuen)**

- **Photo 53 N12e (Hing Yan Tsuen)**

- **Photo 54 Inner Area of Hing Yan Tsuen**

- **Photo 55 N13a (Fung Kai No. 1 Secondary School, No.1 & 2 Primary School & Kindergarten)**

- **Photo 56 N13b (Fung Kai No. 1 Secondary School, No.1 & 2 Primary School & Kindergarten)**

- **Photo 57 N13c (Fung Kai No. 1 Secondary School, No.1 & 2 Primary School & Kindergarten)**

- **Photo 58 N13d (Fung Kai No. 1 Secondary School, No.1 & 2 Primary School & Kindergarten)**

- **Photo -59 N14 (Sheung Shui Church)**

- **Photo -60 N15 (Fung Kai Liu Man Shek Tong Secondary School)**

- **Photo 61 N16 (Tsui Lai Garden)**

- **Photo 62 N17 (Shing Fat Building)**

- **Photo 63 N18 Village House**

- **Photo 64 N19 Village House**

- **Photo 65 N20 Village House**

- **Photo 66 N21 Village House**

- **Photo 67 N22 Village House**

- **Photo 68 N23 Village House**

- **Photo 69 N24 Village House**

- **Photo 70 N25 Village House**

Appendix 3

Excerpt from Draft EIA for Proposed Cheung Sha Wan Wholesale Market Complex

Table 6-5 Wastewater Sampling Results from Existing Markets

Locations & Activities	TN (mg/L)	TP (mg/L)	COD (mg/L)	BOD (mg/L)	SS (mg/L)	Oil & Grease (mg/L)	pH
CSW Temporary Poultry Market Floor Washing	350	78	3400	1450	2,000	240	-
CSW Temporary Poultry Market Crate Washing	130	20	810	300	410	-	-
CSWWM Phase I Operation Sources (including floor washing)	22	1.9	140	62	200	-	-
CSWWFM Phase I - Egg Market Operation Sources	-	-	120	47	1,900	-	9
CSWWM Phase I - Vegetable Market Operation Sources (including floor washing)	6	0.4	50	13.5	20	25	6

Floor Washing Estimation

6.4.5 Discharge flow rate of floor washing mainly depends on washing frequency and floor area. Based on the figures provided by ASD for the proposed fruit market as shown in Table 6-6, effluent flow rates for the proposed freshwater fish, egg, vegetable markets, VMO, FMO and slaughter house are projected.

Table 6-6 Estimated Effluent Flow Rate for Proposed Poultry and Fruit Markets by ASD

Locations	Floor washing (Frequency / day)	Floor washing (m^3/day)
Poultry Markets	2	300
Fruit Market	1 per week	216

6.4.6 Predicted pollution loading of floor washing for each individual market is based on the sampling results in Table 6-5. Pollution loading for the floor washing of the slaughter house in the loading/ unloading area is conservatively assumed to be the same as the poultry market, whereas the projection for fruit market was based on figures of the vegetable market. Table 6-7 summarises the estimated flow rate and pollution loading of floor washing.

Table 6-7 Estimated Flow Rate and Pollution Loading for Floor Washing

Locations	Flow Rate (m^3/day)	TN (mg/L)	TP (mg/L)	COD (mg/L)	BOD (mg/L)	SS (mg/L)	Oil & Grease (mg/L)
Poultry Market 1 & 2	300	350	78	3,400	1,450	2,000	240
Vegetable Market	19	6	0.4	50	13.5	20	25
Fruit Market 1 & 2	31	6	0.4	50	13.5	20	25
Fish Market	71	22	1.9	140	62	200	25
Slaughter House (applicable for both manual and centralised slaughter house)	149	350	78	3,400	1,450	2,000	240
Egg Market	11	-	-	120	47	1,900	-
Market Operated by VMO	10	6	0.4	50	13.5	20	25
Market Operated by FMO	33	22	1.9	140	62	200	25
Total (Poultry Markets & Slaughter House)	449	350	78	3,400	1,450	2,000	240
Total (Other Markets)	174	15	1	108	44	245	23

Trade Effluent Estimation

6.4.7 Effluent discharge flow rates from each of the proposed egg, vegetable, VMO and FMO markets is expected to be similar to that of the proposed fruit market as stated in Table 6-6. The fruit market effluent discharge flow rate therefore has been applied to the egg, vegetable, VMO and FMO markets in the proposed Market Complex.

Hyder

Appendix 4

Tree Survey Report

TREE SURVEY REPORT

Development of a Poultry and Processing Plant in Sheung Shui

May 2009

Project Title	Development of a Poultry and Processing Plant in Sheung Shui
Report Title	Tree Survey Report
Revision	2
Date of Issue	22 May 2009

	Name	Signature	Date
Compiled by	Thomas Tai		22 May 2009
Approved by	Alan Liang		22 May 2009

CONTENTS

1 Introduction

This Tree Survey Report (TSR) is prepared to determine the impact on trees that will result from the construction and operation of Poultry and Processing Plant.

This report describes the methodology and findings of the individual tree survey that was carried out in March 2007. All trees within the survey boundary were recorded in terms of both topographical and horticultural properties.

2 Objectives

This report has the following objectives:

- To comply with Government legislation and practice with respect to the protection and preservation of trees (refer to Methodology in Appendix I);
- To record the findings of the tree survey in terms of the topographical and horticultural characteristics of each individual tree (refer to Appendices II, Tree Survey Plan; III, Tree Survey Schedule and IV, Tree Photographs); and
- To recommend the retention, transplantation or felling of individual trees;

3 Description of the Site and the Proposed Works

The site is located in Sheung Shui close to the Hong Kong Shenzhen boundary. The project is to construction a Poultry and Processing Plant. Justification and details of the project is described in Section 2 of the EIA report.

4 Existing Trees affected by the Proposed Works

4.1 General Description

A total number of **35** trees (DBH>95mm; refer to Methodology in Appendix I for detail information) have been surveyed.

Most trees are amenity species located at the planter next to the Man Kam To Road, others are scattered at the periphery of the site. Most trees are in fair health condition. However, trees in the planters are of poor form due to competition of light between closely planted individual.

5 Proposed Treatment of Trees

5.1 General

A total number of **35** individual trees were recorded within the Works Area. The criteria for recommending the treatment of existing trees make reference to paragraph 17 of the ETWB Technical Circular (Works) No. 3/2006. **8** trees will be removed as most are affected by works and due to the recent policy from FEHD to have no vegetation within the site.

5.2 Trees to be Transplanted to Permanent Locations within the Works Area

Where it is not possible for trees to be retained in-situ, transplantation to other permanent locations within the Works Area is recommended.

The criteria for recommending the transplantation of existing trees make reference to paragraph 17[b] of the ETWB Technical Circular (Works) No. 3/2006 which states *'… This should be considered as far as possible unless the trees affected are of low conservation and amenity value, or have a low chance of surviving or recovering to its normal form after transplanting'.*

1 tree is recommended for transplantation. The tree will be transplanted to a permanent locations adjacent to the site. The project proponent shall identify the final location prior to submission of the Tree Removal Application.

5.3 Trees to be Felled

Where it is possible neither to retain trees in-situ nor transplant them to other permanent locations within the site or off-site, felling is recommended.

The criteria for recommending the transplantation of existing trees make reference to paragraph 17[d] of the ETWB Technical Circular (Works) No. 3/2006 which states *'… Felling of trees will only be considered as a last resort under the following circumstances:*

- *There is no practical alternative and the tree to be felled is neither included in the Register of Old and Valuable Trees under ETWB TCW No. 29/2004 nor potentially eligible to be registered as such; or*
- *The tree has an unrecoverable health problem and is in poor condition; or*
- *The tree is ineligible for transplanting on or off site because of its low conservation and amenity value, or its low chance of surviving or recovering to its normal form after transplanting'.*

In total, **7** trees require felling.

6 Compensatory Planting Proposal

6.1 Quantity of Compensatory Planting

To compensate for the loss of 7 trees (accumulated DBH lost: 0.825m), **11** new heavy standard trees (DBH 0.075m) will be planted. The proposed recepient locations of compensatory trees shall be identified by the project proponent prior to the submission of the Tree Removal Applicaiton.

The following compensation ratios will be achieved:

- Quantity compensation ratio = 1:1.57
- DBH compensation ratio = approx. 1:1.

Species used for compensatory planting are:

1. High in amenity or ecological value;
2. Adaptable to the surroundings;
3. In keeping with the existing vegetation; and
4. Available in the market place.

6.2 Species Selection for Compensatory Planting

Botanical Name	Chinese Name	Size
Juniperus chinensis cv. Kaizuca	龍柏	Heavy Standard

7 Compensatory Planting Proposal

The findings of this report is summarized below:

Retain	27
Transplant	1
Fell	7
Total	35
DBH loss (m)	0.825m
Compensatory tree (DBH 0.075m)	11nos.

Tree Quantity Compensation Ratio (1:1.57)
DBH Compensation Ratio (1: 1)

APPENDIX I

TREE SURVEY AND RECOMMENDATION METHODOLOGY

APPENDIX I: Methodology of the Tree Survey and Recommendations

A. General Description and Assessment of Trees

Within the designated site boundary, all living trees with a stem diameter over 95mm measured at a point 1.3m above the root collar (hereafter referred to as the DBH) are included in the Tree Survey as defined in the Nature Conservation Practise Note No. 02 (Rev. Jun 2006) issued by AFCD.
Each tree is allocated a tree number, is clearly marked on site with an identity label showing the tree number and its position plotted on topographic plans.
All trees are identified by species, or in some cases by genus if full identification is not possible. Where necessary, identification is verified / assisted by AFCD Hong Kong Herbarium or CUHK Herbarium.
Measurements are recorded of the DBH, overall height and overall spread of each tree and a photograph taken of each tree.

The following information about each tree surveyed is included in The Tree Survey Schedule in Appendix III:

a) Allocated Tree Number (See Appendix II, Tree Survey Plan for locations of trees)
b) Species Name (botanical name)
c) DBH (in millimetres)
d) Overall Height (in metres)
e) Overall Crown Spread (in metres)
f) State of Health (See section A1 below)
g) Tree Form (See section A2 below)
h) Overall Value (including Amenity, Cultural, Ecological and Historical) (See section A3 below)
i) Estimated Feasibility of Successful Transplantation (See section A4 below)
j) Recommended Treatment (Retain/Transplant on-site/Transplant off-site/Fell) (See section B below)
k) Justification in the case of felling (See section B3 below)

A1. State of Health:

The state of health of each tree is evaluated with reference to the following criteria:

Condition of Foliage

- Evidence of “poor leaf colour and small leaf size [which] may indicate root damage” (Ref. R. Webb);
- Evidence of insect or fungal infections;
- Evidence of leaf damage or loss due to typhoons (although it is recognised that trees are usually able to recover from this within one growing season).

Condition of Young Shoots

- Evidence of “poor shoot growth and die-back of twigs in the crown [which] are often symptoms of root problems caused by a change in the water table level or soil compaction resulting from site development work” (Ref. R Webb);
- Evidence of insect and fungal infections on the twigs and branches;
- Evidence of twig damage (particularly if the tree is unbalanced in shape).

Condition of Branches

- Dead or crossing branches;
- “Heavy horizontal branches [which] may make the tree unstable” (Ref. R.Webb);

- The presence of broken damaged or cut branches;
- Damaged branches which make the tree unbalanced or unstable;
- Whether the tree is "an edge tree exposed as a result of the removal of adjacent trees [which] often has an unbalanced crown and may be hazardous" (Ref R.Webb).

Condition of the Trunk (or Trunks)

- Whether the tree has "tightly forked trunks [which] are a source of weakness in the tree as in high winds the tree can be torn apart?
- Evidence of "cavities or internal rot [which] can be revealed by discoloured bark, moisture seeping through the bark or bracket fungi'' (Ref R.Webb);
- Open cavities and bark damage.

Parasites and Tangled branches or Roots

- Occurrence of aggressive climbers or parasitic plants;
- Poorly shaped crowns due to intense competition between adjacent trees;
- Tangled branches or roots.

The state of health of each tree is recorded and graded in Appendix III, The Tree Survey Schedule by means of the following codes and definitions:

G. Trees with a low incidence of less serious defects are graded as **good**
F. Trees with a higher incidence of less serious defects are graded as **fair**
P. Trees with more serious defects are graded as **poor**
VP. Trees with a high incidence of serious defects are graded as **very poor**
D. Trees that are dead or irretrievably unhealthy are graded as **dead**

A2. Tree Form:

Tree form is evaluated with reference to the overall tree size, shape and any special features.

The form of each tree is recorded and graded in Appendix III, The Tree Survey Schedule by means of the following codes and definitions:

G. Trees with well-balanced, upright, evenly branching, well-formed crowns and which are considered good examples of their species are graded as **good**;
F. Trees with less balanced crowns which are mildly distorted due to competition with neighbouring trees or structures, or which have suffered minor damage or which have leaning trunks for example are graded as **fair**;
P. Trees with very distorted crowns, which are leaning severely or which have suffered the loss of major branches or which are unstable are graded as **poor**.

A3. Specific Value:

The overall value of a tree is assessed with reference to the following categories:

a. Amenity value

A tree has amenity value if it has one or more of the following characteristics:

- A tree with outstanding form and in good health;
- An excellent example of its species;
- A tree that has a high visual impact on its surroundings (e.g. landmark tree);
- A tree with an unusual or interesting character or form that neither impairs its health nor poses any risk to the public.

- A tree with any other notable features that make it worthy of retention (For example, it is a wall tree, a hollow tree or carries a remarkable example of a parasitic plant or strangler fig).

The Amenity Value of each tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

E Exceptionally High
H High
M Medium
L Low
N Negligible

b. Cultural value

A tree has cultural value if it has an obvious cultural importance for residents or the public generally (e.g. a wishing tree, a tree with *fung shui* significance).

The Cultural Value of each tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

√ A tree with cultural value

c. Ecological value

A tree has ecological value if it supports local wildlife, especially if those species that are dependent on the tree are themselves of ecological importance; if the tree constitutes part of an egretary or is a nesting site for other birds or if the tree is part of a group that serves as a corridor between other important habitats.

The Ecological Value of each tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

E Exceptionally High
H High
M Medium
L Low
N Negligible

d. Historical value

A tree has historical value if it is estimated to be over 50 years old, if a special person planted it or if it was planted to commemorate an historical event.

The Historical Value of each tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

√ A tree with historical value

e. Significant tree

A tree is classified as a significant tree if it satisfies one or more of the following criteria:

a. *It is a Protected species* **√ *(SL)***
   A tree protected by law under the *Forest and Countryside Ordinance (Cap 96)*, or the *Animals and Plants (Protection of Endangered Species) Ordinance (Cap. 187)*
b. *It is a Rare species* **√ *(SR)***
   A tree recorded in *Hu, Q. et al (2003) Rare and Precious Plants of Hong Kong. AFCD, Hong Kong.*

c. *It is a Champion tree* √ ***(SC)***
A tree recorded in *Jim, C.Y. 1994. Champion Trees in Urban Hong Kong. Urban Council, Hong Kong,* AFCD's *Register of Unusual Trees in Rural Areas*, or ETWB's *List of Old and Valuable Trees*.
d. *It is an Uncommon species* √ ***(SU)***
A tree is a non-listed species that is not locally abundant or has limited distribution;
e. *It has High amenity value* √ ***(SA)***
A tree which is an unusually handsome representative of its species;
f. *It is particularly large and mature* √ ***(SVm)***
A tree which has a major single trunk with a DBH of 1 metre or greater (excluding aerial roots in the case of *Ficus* species), which is visually important to its surroundings.
g. *It is an Old and Valuable Tree as defined in ETWB/TCW 29/2004 or is eligible to be so defined.*

A significant tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

√ A significant tree

The Overall Value of each tree is recorded and graded in Appendix III, The Tree Survey Schedule, by means of the following codes and definitions:

E Exceptionally High – An Old and Valuable Tree or eligible to be so defined
H High – Graded 'High' or '√' in one or more of sections a – e above
M Medium – Graded 'Medium' in one or more of sections a – e above
L Low - Graded 'Low' in one or more of sections a – e above
N Negligible– Graded 'Negligible' in one or more of sections a – e above

Estimated Feasibility of Successful Transplantation:

In order to be considered successfully transplanted, a tree must maintain good health throughout and after the transplantation process AND must at no time be structurally unstable or present any threat to public safety. The assessment of the feasibility of the successful transplantation of a tree is based on the following factors:

- **The size of the tree:** Generally the larger and older a tree is, the more difficult it is to transplant successfully (Trees with a DBH of over 250mm will incur significantly higher costs, trees with a DBH of over 500mm will incur very high costs and trees with a DBH of over 700mm are rarely considered feasible for transplantation).
- **The health of the tree:** If the tree is already in poor health it is highly unlikely to withstand the stress of transplantation. By the same token, a tree that has a balanced form and is in good health has a higher feasibility of successful transplantation.
- **The survival rate of that particular species:** Some species are much more tolerant of the stress of transplantation than others. The assessment of the survival rate of a species after transplantation is based on the observed performance of that species in previous transplantation programmes. Species with insufficient transplantation data are assumed to have a low survival rate.
- **Feasibility of root-ball preparation**: site topography, the proximity of above and below ground utilities and whether the tree is crowded by other trees are all major factors determining the feasibility of preparing a sufficiently large root-ball for successful transplantation;

- **Root Extent:** A tree growing in rocky ground, surrounded by hard paving or which is crowded by other trees is likely to have a distorted root system seriously reducing the feasibility of preparing a sufficiently large root-ball for successful transplantation;
- **Accessibility**: large machinery is required to lift trees so steep slopes and rocky terrain drastically reduce the feasibility of successful transplantation.

The Estimated Feasibility of Successful Transplantation of each tree is graded as follows:

A **Feasible.**

B **Feasible with significant cost implications.**

C **Feasible with very high cost implications.**

D **Not Feasible**

Recommended Treatment of Existing Trees

Criteria for Recommended Treatment of Existing Trees

The preferred option for all trees is to be retained in-situ unless they pose a threat to the public or they are nuisance species (e.g. *Leucaena leucocephala).*

A recommendation to transplant a tree will be made only where:

It is impossible to retain the tree in-situ due to the unavoidable proximity of proposed retaining walls, viaducts, roads or other structures, including their foundations, which pose major conflicts with its branches, root system or the tree in its entirety.

It is impossible to retain the tree in-situ due to changes to surrounding ground levels on a macro scale which affect the ground water table thereby severely stressing the tree or where large areas of proposed cut and fill unavoidably affect the tree.

Transplantation of the tree is feasible.

The Overall Amenity Value of the tree justifies transplanting.

Replacement with a new nursery grown specimen of the same species and comparable size is deemed less cost effective than transplanting, particularly in the case of common pioneer or cultivated species.

The **Recommended Treatment of Existing Trees** Transplantation of each tree is classified as follows:

i) **RETAIN(R):**

ii) **TRANSPLANT (T):**

iii) **FELL (F):**

The felling of a tree must be justified by the following criteria:

a) No irreplaceable, rare or protected species (under Forestry Regulation Cap.96) is felled.

b) The felling would not cause a serious loss of species diversity in the subject area.

c) A genuine development or traffic need exists, which cannot be reasonably overcome.

d) Adequate compensatory tree planting is to be implemented.

e) The tree is not an unusually large or fine example of its species.

f) The tree is in poor condition or is unsuitable for transplanting due to its low survival potential.

g) The tree is not in the list of Champion Trees (Ref: Jim, C.Y. 1994. *Champion Trees in Urban Hong Kong*. Urban Council, Hong Kong) nor Unusual Trees (Ref: *AFCD's Register of Unusual Trees in Rural Areas*).

h) The tree is neither a significant landmark tree nor of special *fung shui* or cultural significance.

i) Existing site conditions are such that transplantation would be hazardous to the public.

j) The tree is dead, hazardous or diseased.

k) A tree that has been rendered unstable because of the removal of neighbouring trees may be considered for felling.

l) The tree possesses invasive habits.

References

Ordinances and Circulars

The Law of Hong Kong Chapter 96.	*Forest and Countryside Ordinance*
The Law of Hong Kong Chapter 586.	*Animals and Plants (Protection of Endangered Species) Ordinance*
WBTC Circular No. 14/2002	*Management and Maintenance of Natural Vegetation and Landscape Works, and Tree Preservation*
Lands Department Practice Note 8/2002	*Application for Tree Felling or Transplanting for private projects*
AFCD	*Register of Unusual Trees in Rural Areas (draft list)*
ETWB	*List of Old and Valuable Trees (draft list)*

Publications

HU, Q. et al (2003) *Rare and Precious Plants of Hong Kong*. AFCD, Hong Kong.
Jim, C.Y. (1994). *Champion Trees in Urban Hong Kong*. Urban Council, Hong Kong.
Webb, R. (1991). *Tree Planting and Maintenance in Hong Kong*. Standing Interdepartmental Landscape Technical Group, Hong Kong Government, Hong Kong.

Definitions used in the 'Remarks' section of Appendix III, The Tree Survey Schedule

Forked: a tree having major branches that divide near ground level.
Head cut: a tree that has had its main trunk severed drastically reducing and distorting its crown development..
Multi-trunked: a tree with more than one main trunk.

APPENDIX II

TREE SURVEY PLAN

NORTH

LEGEND

SITE BOUNDARY

PREVIOUS BOUNDARY LINE

TREE TO BE RETAIN
T8 — TREE NUMBER

TREE TO BE TRANSPLANTED
T25 — TREE NUMBER

TREE TO BE FELLED
T23 — TREE NUMBER

BOUNDARY LINE

EMERGENCY GATE

PARKING

WASTE-WATER TREATMENT FACILITIES

ROOF LEVEL 23.6

ROOF LEVEL 18.7

OFFICE

FENCE WALL

15.8

IN 13.68 IN

OUT

E/M PLANT

ROOF LEVEL 22.6

ROOF LEVEL 20.1

ROOF LEVEL 1817

OVERHEAD LINE WORKING CORRIDOR

EXISTING 400 KVA OVERHEAD LINE

FENCE WALL (TOP LEVEL 22.6)

TRUCK DISINFECTION

CAGE CLEANING

CAGE STORE

ADMIN.

RCP

STAFF

GOVT.

INSPECTION

ROOF TOP LINE

COLD STORE

HOLDING

ISOLATION

KILLING

SCALDING

SOLID WASTE

EVISCERATION

PACKING

VPH STAFF

STAIR FOR CONNECTION

21.1

22.1

18.6

17.6

TRACK

GRAVES

校訂 NO.	日期 DATE	摘要 DESCRIPTION	審核 CHECKED	審批 APPROVED

切按圖量比例 DO NOT SCALE FROM THIS DRAWING

ACLA

香港灣仔皇后大道東183號 合和中心3801室
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工程項目 PROJECT

DEVELOPMENT OF A POULTRY AND PROCESSING PLANT IN SHEUNG SHUI

圖紙名稱 SHEET TITLE

TREE SURVEY PLAN

圖號 DRAWING NUMBER	校訂 REVISION
HCL108C-TS-1001	-

日期 DATE	比例 SCALE	
23 FEB 2009	1:400	A1
設計 DESIGNED: LCW	繪圖 DRAWN: CAD	
審核 CHECKED: CMN	審批 APPROVED: MAN	

CAD FILENAME:

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NORTH

LEGEND

SITE BOUNDARY

PREVIOUS BOUNDARY LINE

TREE TO BE RETAIN
T8 — TREE NUMBER

TREE TO BE TRANSPLANTED
T25 — TREE NUMBER

TREE TO BE FELLED
T23 — TREE NUMBER

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校訂 NO.	日期 DATE	摘要 DESCRIPTION	審核 CHECKED	審批 APPROVED

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審核 CHECKED: CMN	審批 APPROVED: MAN	

CAD FILENAME:

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APPENDIX III

TREE SURVEY SCHEDULE

TREE NO.	BOTANICAL NAME	CHINESE NAME	VETTING DEPARTMENT	SIZE (m)			HEALTH CONDITION	FORM	Specific Value*	Overall score	Overall Value##	Feasibility of successful transplantation#				RECOMMENDATION	JUSTIFICATION FOR TREE FELLING**	REMARKS	
				Height	DBH	Spread	Good/Fair/ Poor/Dead	Good/Fair/ Poor	A E C H S		E/H/M/L/N	with respect to				Retain/Transplant/ Fell		General^	Others^^
												Location	Condition	Size	Species				

Abbreivations in the tree schedule

*** Specific Value (Refer to Methodology for details):**
A: Amenity value
E: Ecological value
C: Cultural value
H: Historical value
S(##): Significant tree (refer to Methodology for detailed categories)

**** Justification for Tree Felling:**
1. Tree is in direct conflict with the proposed works.
2. Preparation of intact and sufficient-sized root ball not practical due to the topography (e.g. on rock, shallow substratum, structures).
3. Weedy species without special ecological significance or creating maintenance problem.
4. Tree with poor health and/or form for transplantation.
5. Lack of access for transplantation machinery.
6. Species of low post-transplantation survival rate.
7. The tree has structural problem and may create harzard to public during root ball preparation and/or after transplantation, while auxillary support will not be sufficient / practical.

 # Feasibility of Successful Transplantation (refer to Methodology for detailed justification):
A: Feasible
B: Feasible with significant cost implications
C: Feasible with very high cost implications
D: Not Feasible

##Overall Value (refer to Methodology for detailed justification):
E: Exceptionally High (overall score 7-8 or C/H/S)
H: High (overall score 5-6)
M: Medium (overall score 3-4)
L: Low (overall score 2)
N: Negligible (overall score 0-1)

^ General Remarks:

FORM		*HEALTH*	
br	broken branches	ab	abnormally few green leaves
fe	felled down	co	covered by climbers
fo	forked	pe	pest infected
db	dead branches	tr	trunk is rotten
he	head cut	*LOCATION*	
le	leaning	con	on concrete
mu	multi-trunks / 2 main trunks	roc	on rock
se	seriously leaning	sho	on shotcrete
sh	shrubby	slo	on slope
tw	twisting trunk	toe	on toe of wall / slope
un	unbalance	top	on top of wall / slope
SIZE		wal	on wall
ma	mature	*ROOT*	
ve	very mature	exp	root exposed
		spr	root spreading on wall

^^ Other remarks

tree surveyor(s): Mike Leung

Project: Development of a Poultry and
Processing Plant in Sheung Shui

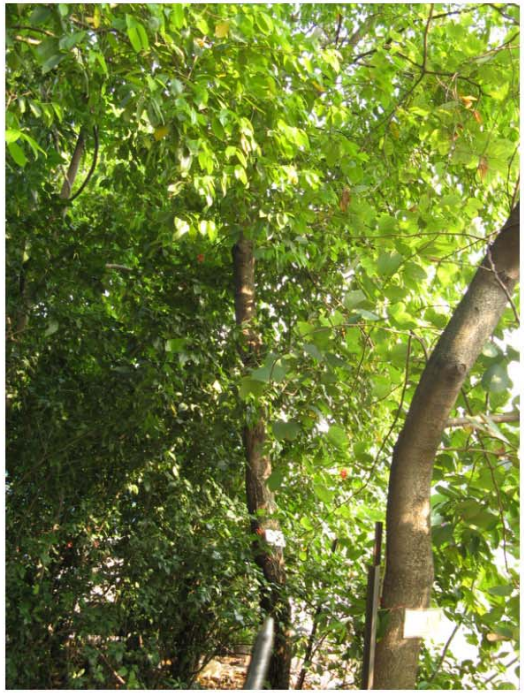
HCL108C

TREE NO.	BOTANICAL NAME	CHINESE NAME	VETTING DEPARTMENT	SIZE (m)			HEALTH CONDITION	FORM	Specific Value*	Overall score	Overall Value##	Feasibility of successful transplantation#				RECOMMENDATION	JUSTIFICATION FOR TREE FELLING**	REMARKS	
				Height	DBH	Spread	Good/Fair/ Poor/Dead	Good/Fair/ Poor	A E C H S		E/H/M/L/N	with respect to				Retain/Transplant/ Fell		General^	Others^^
												Location	Condition	Size	Species				
T1	*Bauhinia spp.*	羊蹄甲(屬)	LCSD	6.0	0.15	5.0	Fair	Poor	2 2	4	M	A	A	A	A	Retain			
T2	*Eucalyptus spp.*	桉(屬)	LCSD	7.0	0.20	6.0	Fair	Poor	1 1	2	L	A	B	B	C	Retain			
T3	*Eucalyptus spp.*	桉(屬)	LCSD	6.0	0.15	5.0	Fair	Poor	1 1	2	L	A	B	B	C	Retain			
T4	*Khaya seneglensis*	非洲楝	LCSD	7.0	0.22	5.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T5	*Eucalyptus spp.*	桉(屬)	LCSD	7.0	0.25	5.0	Fair	Poor	1 1	2	L	A	B	B	C	Retain			
T6	*Khaya seneglensis*	非洲楝	LCSD	6.0	0.23	6.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T7	*Spathodea campanulata*	火焰木	LCSD	7.0	0.15	5.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T8	*Spathodea campanulata*	火焰木	LCSD	7.0	0.14	4.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T10	*Eucalyptus spp.*	桉(屬)	LCSD	5.0	0.10	4.0	Fair	Poor	1 1	2	L	A	B	B	C	Retain			
T11	*Spathodea campanulata*	火焰木	LCSD	6.0	0.11	4.0	Fair	Poor	1 1	2	L	A	B	B	B	Retain			
T12	*Bauhinia spp.*	羊蹄甲(屬)	LCSD	6.0	0.13	5.0	Fair	Fair	2 2	4	M	A	A	A	A	Retain			
T13	*Khaya seneglensis*	非洲楝	LCSD	8.0	0.23	6.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T14	*Eucalyptus spp.*	桉(屬)	LCSD	6.0	0.16	4.0	Fair	Fair	1 1	2	L	A	B	B	C	Retain			
T15	*Khaya seneglensis*	非洲楝	LCSD	7.0	0.26	6.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T16	*Bombax ceiba*	木棉	LCSD	8.0	0.23	4.0	Fair	Fair	2 2	4	M	B	B	B	B	Retain		co	
T17	*Macaranga tanarius*	血桐	ASD	5.0	0.16	4.0	Poor	Poor	1 2	3	M	B	B	A	B	Retain			
T18	*Michelia x alba*	白蘭	ASD	10.0	0.36	8.0	Fair	Fair	2 1	3	M	A	B	B	B	Retain		mu	
T19	*Michelia x alba*	白蘭	ASD	10.0	0.54	8.0	Fair	Fair	2 1	3	M	A	B	B	B	Retain		mu	
T20	*Macaranga tanarius*	血桐	ASD	4.0	0.12	3.0	Fair	Poor	1 2	3	M	B	B	A	B	Fell	1 4	mu	
T21	*Macaranga tanarius*	血桐	ASD	5.0	0.10	4.0	Fair	Poor	1 2	3	M	B	B	A	B	Fell	1 4	mu	
T22	*Macaranga tanarius*	血桐	ASD	4.0	0.12	4.0	Fair	Poor	1 2	3	M	B	B	A	B	Fell	1 4	mu	
T23	*Macaranga tanarius*	血桐	ASD	4.0	0.13	4.0	Fair	Poor	1 2	3	M	B	B	A	B	Fell	1 4		
T24	*Macaranga tanarius*	血桐	ASD	5.0	0.10	4.0	Poor	Poor	1 2	3	M	B	B	A	B	Fell	1 4		
T25	*Ficus hispida*	對葉榕	ASD	5.0	0.10	4.0	Poor	Poor	1 3	4	M	A	A	A	A	Transplant			
T26	*Macaranga tanarius*	血桐	ASD	4.0	0.17	4.0	Poor	Poor	1 2	3	M	B	B	A	B	Fell	1 4	co	
T29	*Macaranga tanarius*	血桐	ASD	4.0	0.10	3.0	Poor	Poor	1 2	3	M	B	B	A	B	Fell	1 4	mu	
T30	*Eucalyptus spp.*	桉(屬)	LCSD	5.0	0.18	4.0	Fair	Fair	1 1	2	L	A	B	B	C	Retain			
T31	*Eucalyptus spp.*	桉(屬)	LCSD	7.0	0.14	4.0	Fair	Fair	1 1	2	L	A	B	B	C	Retain			
T32	*Bauhinia spp.*	羊蹄甲(屬)	LCSD	5.0	0.12	4.0	Fair	Fair	2 2	4	M	A	A	A	A	Retain			
T33	*Khaya seneglensis*	非洲楝	LCSD	6.0	0.23	4.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T34	*Khaya seneglensis*	非洲楝	LCSD	8.0	0.28	6.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T35	*Khaya seneglensis*	非洲楝	LCSD	8.0	0.23	5.0	Fair	Fair	1 1	2	L	A	B	B	B	Retain			
T36	*Eucalyptus spp.*	桉(屬)	LCSD	5.0	0.18	4.0	Fair	Fair	1 1	2	L	A	B	B	C	Retain			
T37	*Bauhinia spp.*	羊蹄甲(屬)	LCSD	5.0	0.12	4.0	Fair	Fair	2 2	4	M	A	A	A	A	Retain			
T39	*Eucalyptus spp.*	桉(屬)	LCSD	6.0	0.17	4.0	Fair	Fair	1 1	2	L	A	B	B	C	Retain			

APPENDIX IV

TREE PHOTOGRAPHS


T1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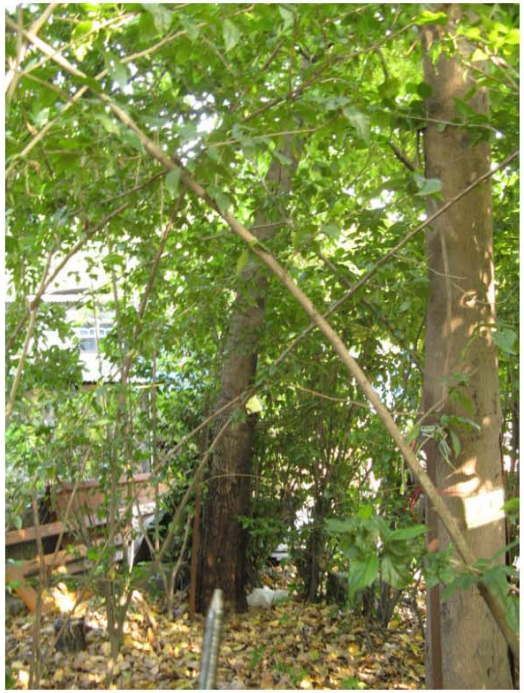
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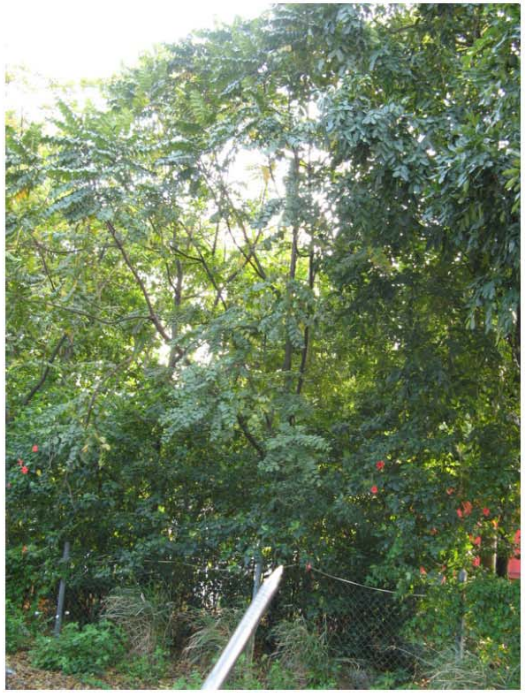
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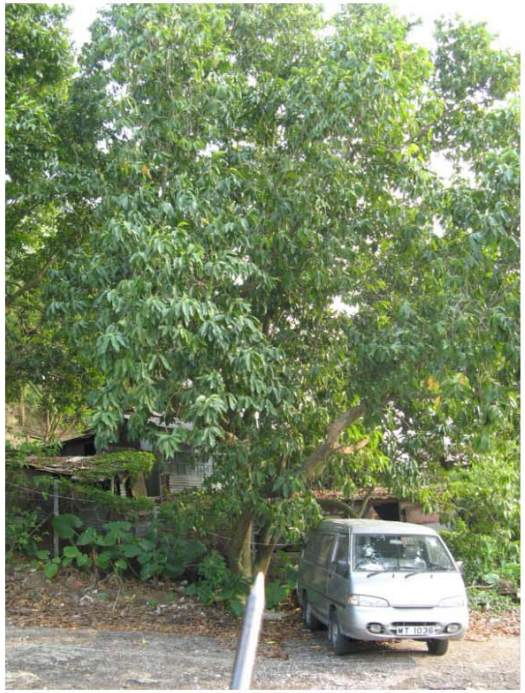
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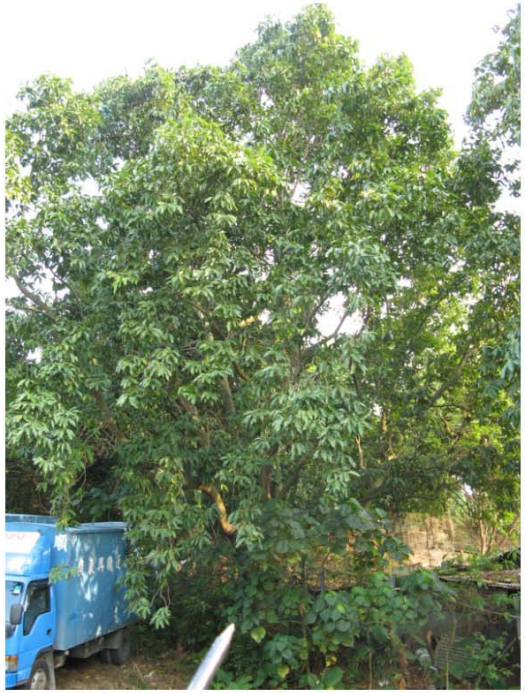
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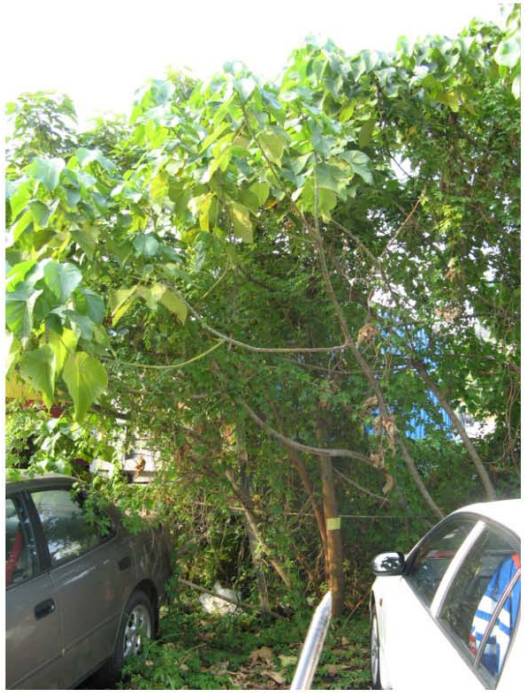
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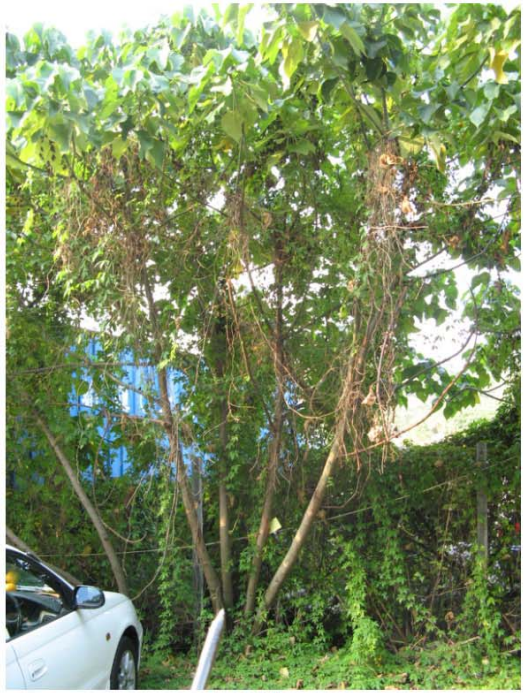
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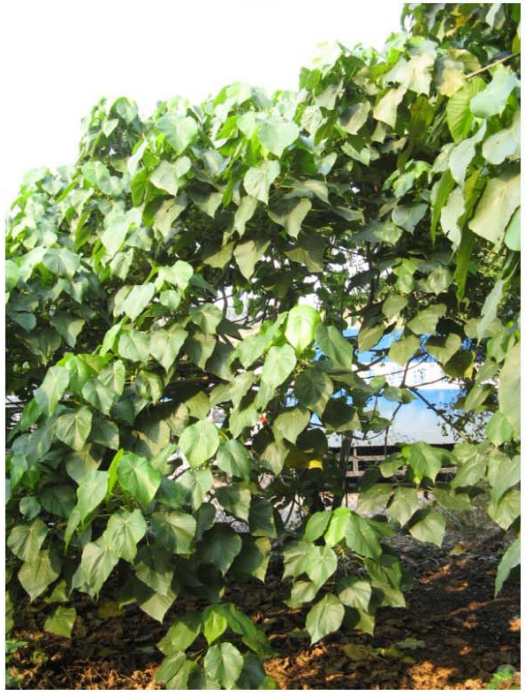
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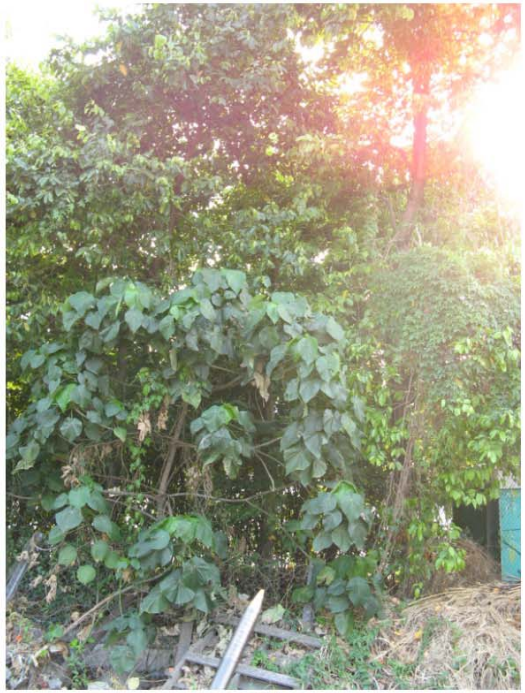
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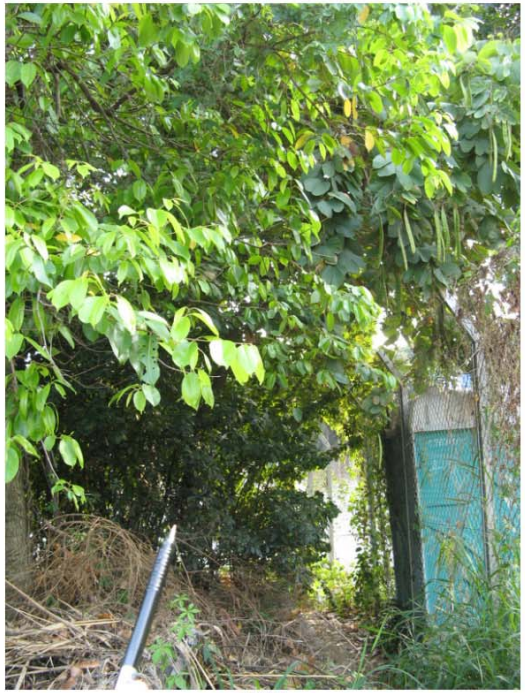
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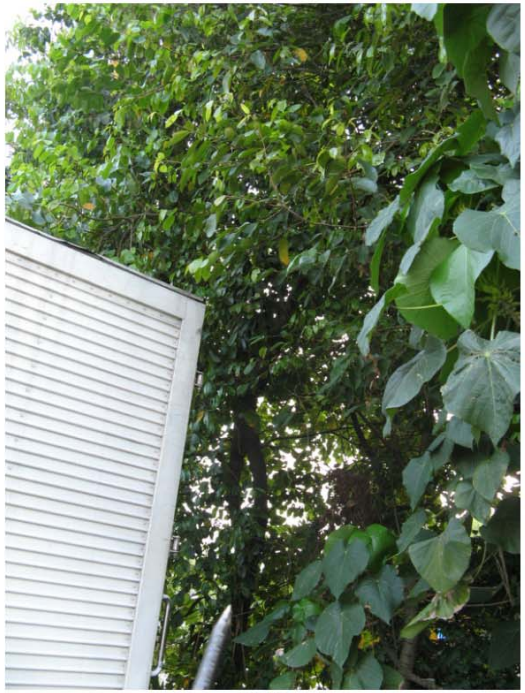

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APPENDIX V

COMPENSATORY PLANTING PLAN

NORTH

LEGEND

- SITE BOUNDARY
- PREVIOUS BOUNDARY LINE
- TREE TO BE RETAIN
- T8 — TREE NUMBER
- FINAL LOCATION OF TRANSPLANTED TREE
- T25 — TREE NUMBER
- PROPOSED TREE

BOUNDARY LINE

EMERGENCY GATE

PARKING

TRUCK DISINFECTION

CAGE CLEANING

CAGE STORE

ADMIN.

RCP

STAFF

GOVT.

INSPECTION

ROOF TOP LINE

COLD STORE

HOLDING

ISOLATION

VPH STAFF

STAIR FOR CONNECTION

KILLING

SCALDING

SOLID WASTE

EVISCERATION

PACKING

21.1

18.6

22.1

17.6

WASTE-WATER TREATMENT FACILITIES

ROOF LEVEL 23.6

ROOF LEVEL 18.7

OFFICE

FENCE WALL

15.8

IN 13.68 IN

OUT

E/M PLANT

ROOF LEVEL 22.6

FENCE WALL (TOP LEVEL 22.6)

ROOF LEVEL 20.1

ROOF LEVEL 1817

OVERHEAD LINE WORKING CORRIDOR

EXISTING 400 KVA OVERHEAD LINE

TRACK

GRAVES

修訂 NO.	日期 DATE	說明 DESCRIPTION	審核 CHECKED	審批 APPROVED

如按圖量比例 DO NOT SCALE FROM THIS DRAWING

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工程項目 PROJECT

DEVELOPMENT OF A POULTRY AND PROCESSING PLANT IN SHEUNG SHUI

圖紙名稱 SHEET TITLE

TREE COMPENSATORY AND TRANSPLANTED PLAN

圖號 DRAWING NUMBER	修訂 REVISION
HCL108C-CP-1001	-

日期 DATE	比例 SCALE	
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設計 DESIGNED: LCW	繪圖 DRAWN: CAD	
審核 CHECKED: CMN	審批 APPROVED: MAN	

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Appendix 5

Project Implementation Schedule

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
Air (Construction Phase)							
3.7.2	The Works Contractor has a responsibility to notify EPD when undertaking any notifiable works prior to the commencement of such work In addition, the Works Contractor is also required to fulfil specific dust control requirements given in the Regulation's Schedule for specific job	Prior to 'notifiable' works including Construction of the foundation of a building and construction of the superstructure of a building	Works Contractor		✓		Air Pollution Control (Construction Dust) Regulation APCO
3.7.3	Good site management / practices to avoid / minimise incidences of dust emissions: Site Boundary and Entrance: ▪ Vehicle washing facilities including a high pressure water jet should be provided at every discernible or designated vehicle exit point. ▪ The area at which vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous or hardcore material. Access Haul Roads and Unpaved Areas: ▪ Each and every main haul road should be paved with concrete, bituminous hardcore materials or metal plates, and kept clear of dusty material or ▪ Unpaved haul roads and areas should be sprayed with water so as to keep the entire road surface wet. Excavated Materials: ▪ Any stockpile of dusty material should be either: (a) covered entirely by impervious sheeting. (b) placed in an area sheltered on the top and the three side or (c) sprayed with water so as to maintain the entire surface wet. Exposed Earth: ▪ Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen within six months of the last construction activity on the part of the site where the exposed earth lie	Project Site / Construction Phase	Works Contractor		✓		Air Pollution Control (Construction Dust) Regulation APCO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
	▪ Loading, Unloading or Transfer of Dusty Materials: ▪ All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. Debris Handling: ▪ Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three side ▪ Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. Transport of Dusty Materials: ▪ Vehicles used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboard Site Clearance: ▪ The working area for the uprooting of trees, shrubs, or vegetation or the removal of boulders, pole, pillars should be sprayed with water immediately before, during and immediately after the operation so as to maintain the entire surface wet. ▪ All demolished items should be covered by impervious sheeting or placed in a spot with shelters on top and three sides within a day of the demolition.						
12.1.4	Conduct weekly site audits during construction to ensure that appropriate dust mitigation is being implemented effectively and in accordance with recommendations in the EIA.	Project Site / Construction Phase	Works Contractor		✓		APCO
Air (Operation Phase)							
3.7.12	An odour removal system comprising scrubbers and/or ionizers and/or biofilters should be installed with a minimum combined odour removal efficiency of 95%, with devices used singly or in series. All air ducted from Areas 1 to 5 and Area 6 should be passed through the odour removal system prior to being expelled into the surrounding air.	Design and Operation Phases	Designer / Operator	✓		✓	EIAO-TM

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
3.7.13	Good management and operation practice to eliminate odour emissions: Unloading and Holding Areas of Live Poultry ▪ Trucks should be immediately driven to washing area after unloading. ▪ All cages and poultry should be sprayed with water immediately prior to unloading in order to eliminate poultry mortality and keep the dusty material wet. ▪ High pressure water jet shall be regularly used to spray over the floor surface to keep floor surfaces free from feathers, faeces and other odorous material Washing Area ▪ Empty trucks should be immediately and completely washed by high pressure water jets at designated points before exiting the site. Slaughtering Plant ▪ Floors and equipments in slaughtering and evisceration areas should be cleaned frequently by water spraying; ▪ Offal and feathers should be collected and transferred to designated temporary storage area immediately after slaughtering and evisceration processes; and ▪ Regular and proper maintenance should be undertaken to ensure ventilation system and equipments operating properly and achieving expected performance Waste Management and WTF ▪ Offal, feathers, dead poultry and other odorous materials shall be stored in refuse bins with close-fitted lid All refuses should be collected by waste collectors and disposed of frequently (e.g. daily); ▪ The waste collection frequency should be increased during summer and peak seasons (e.g. twice a day) if necessary; ▪ Equipment such as bar screen, containers and tanks should be frequently cleaned to prevent odours from accumulation of organic debris; ▪ Screened materials and sludge should be stored in the enclosed containers in order to minimise odour escape; and ▪ Sludge, greases and floating solids should be regularly removed in order to prevent putrefaction of accumulated organics in the tank	PSC / Operation Phase	Operator			✓	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
12.2.2	Conduct odour monitoring by means of odour patrols during the first year of operation, and thereafter in response to any complaint related to odour.	ASRs in the vicinity of Project Site / Operation Phase	Operator			✓	N/A
Noise (Construction Phase)							
4.8.1	Good Site Practice: ▪ Only well-maintained plant should be operated on site and the plant should be regularly serviced during the construction work ▪ Plant used intermittently should be turned off or throttled down when not in use. ▪ Plant that is known to emit noise strongly in one direction should be oriented to face away from NSR ▪ Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the work ▪ Mobile plant should be sited away from NSR ▪ Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the work	Project Site / Construction Phase	Works Contractor		✓		EIAO-TM, GW-TM & NCO
4.8.3	Use of specific quiet PME as specified in ***Table 4-14 of the EIA report***: ▪ Breaker with a sound power level (SWL) of 106dB(A); ▪ Bulldozer with a SWL of 109dB(A); ▪ Concrete lorry mixer with a SWL of 100dB(A); ▪ Concrete pump with a SWL of 106; ▪ Excavator/loader with a SWL of 105dB(A); ▪ Generator with a SWL of 95dB(A); ▪ Mobile crane with a SWL of 101dB(A); ▪ Vibratory poker with a SWL of 102dB(A); ▪ Vibratory roller with a SWL of 102dB(A).	Project Site / Construction Phase	Works Contractor		✓		EIAO-TM, GW-TM & NCO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
4.8.6 to 4.8.8 & Figure 3-2 in this EM&A Manual	Use of movable barriers for screening noise from generator, compressor and vibrator. Noise barriers to be used on site should be free of gaps and made of materials having surface mass density of at least 15 kg/m^2. Absorptive lining should be adhered on the inner surface of the barrier. The barrier should be in the form of vertical or bend top barrier with an effective height of 3m or above. Its length should be long enough to cover the length of the PME.	Project Site / Construction Phase	Works Contractor		✓		EIAO-TM, GW-TM & NCO
12.1.2	Conduct construction noise monitoring	NSRs in the vicinity of Project Site / Construction Phase	Works Contractor		✓		N/A
Noise (Operation Phase)							
4.8.15	It is recommended to provide the following mitigation measures: ▪ A noise reduction of -20 dB(A) for ventilation fans (full enclosure + isolators). ▪ A noise reduction of -25 dB(A) for air-cooled chillers (full enclosure + isolators + silencers). ▪ Quieter truck/forklift for loading/unloading activities with a SWL of not higher than 83 dB(A).	Design Phase	Designer	✓			NCO & EIAO-TM
Water Quality (Construction Phase)							
5.7.1 to 5.7.4	Construction Runoff and Drainage ▪ Wastewater shall be properly treated to meet the discharge standards set out in the relevant WPCO discharge licence. No direct discharge of site runoff permitted. ▪ Provision of perimeter channels to intercept storm runoff from outside the Site. These shall be constructed in advance of site formation works and earthwork ▪ Sand/silt removal facilities such as sand traps, silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO. These facilities shall be properly and regularly maintained. ▪ Works shall be carefully programmed to minimise soil excavation works during rainy season.	Project Site / Construction Phase	Works Contractor		✓		ProPECC PN 1-94 & WPCO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
	▪ Exposed soil surface shall be protected by paving as soon as possible to reduce the potential of soil erosion. ▪ Temporary access roads shall be protected by crushed gravel and exposed slope surfaces shall be protected when rainstorms are likely to occur. ▪ Trench excavation shall be avoided in the wet season as far as practicable, and if necessary, these trenches shall be excavated and backfilled in short section ▪ Open stockpiles of construction materials on Site shall be covered with tarpaulin or similar fabric during rainstorms. ▪ Sand/silt in water from the wheel from the wheel washing facility shall be settled out before discharging into the storm drain. Any section of the road between the wheel washing bay and Man Kam To Road shall be paved with a back-fall to prevent wash water or other site runoff from entering public areas. ▪ Oil receptor shall be provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.						
5.7.5	General Construction Activities ▪ Debris and rubbish generated on Site shall be collected, handled and disposed of properly to avoid them entering the open channel. ▪ All fuel tanks and storage areas shall be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. ▪ Open storm water drains and culverts near the works area shall be covered to block the entrance of large debris and refuse.	Project Site / Construction Phase	Works Contractor		✓		WPCO
5.7.6	Sewage from On-site Workforce ▪ Portable chemical toilets shall handle the sewage from construction work force. Licensed Works Contractors who shall be responsible for appropriate disposal and maintenance of these facilities shall provide appropriate and adequate portable toilets and carry out maintenance of these facilities.	Project Site / Construction Phase	Works Contractor		✓		WPCO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
Sewerage and Sewage Treatment							
6.2.28	Construct dedicated twin rising mains from the PSC directly to SWHSTW. Twin pipes of at least 100mm diameter are proposed but this should be confirmed by the Designer when maximum hourly flows have been established.	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		WPCO/EIAO-TM
6.2.29	Two pumps (one duty, one standby) plus a sump of adequate capacity will need to be constructed within the Site. Twin rising mains should also be provided to ensure that the rising mains are maintainable without shutting down.	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		WPCO/EIAO-TM
6.2.32	Although Alignment C has been assumed in the EIA, it is the decision of the Designer/ Works Contractor as to which alignment is adopted. The Designer shall be required to carry out a land ownership survey to confirm whether the adopted alignment encroaches on private land – this confirmation shall be included in a Sewerage Impact Assessment (SIA) prepared by the Designer, based on his design.	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		WPCO/EIAO-TM
6.3	The wastewater generated from the PSC shall be treated at the WTFs prior to discharge. The Designer shall carry out his own calculations of loading and flow rates, based on configuration, plant and equipment comprising his detailed design of the WTFs.	PSC / Design and Operation Phases	Designer / Operator	✓		✓	WPCO/EIAO-TM
6.6.4	The suggested configuration, estimated loading and flow rates and conceptual designs contained in this EIA shall not pre-empt or constrain the future detailed design of the sewerage and/or WTF by the Designer, nor shall they supplant specifications provided in any future contract documents.	PSC / Design and Operation Phases	Designer / Operator	✓			WPCO/EIAO-TM
Waste Management (Construction Phase)							
7.7.3	The Works Contractor should prepare and implement a Waste Management Plan, which becomes a part of the Environmental Management Plan.	Project Site / Construction Phase	Works Contractor		✓		ETWB TC(W) No. 19/2005
7.7.4	The Designer should reduce the amount of waste generated through optimising his design.	Design Phase	Designer	✓			N/A
7.7.5	Inert C&D Material (termed “public fill”) should be sent to the Fill Bank at Tuen Mun Area 38 for subsequent off-site reuse.	Project Site / Construction Phase	Works Contractor		✓		N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
7.7.6 & 7.7.12	For the disposal of C&D Material, the trip-ticket system should be put in place. Copies/counterfoils from trip tickets shall be kept for record purpose.	Project Site / Construction Phase	Works Contractor		✓		ETWB TC(W) No.31/2004
7.7.7	Use of metallic site hoardings and signboards that related to environmental-responsible construction methods, waste reduction, reuse and recycling.	Project Site / Construction Phase	Works Contractor		✓		WBTCs, such as WBTC No. 19/2001
7.7.8 & 7.7.19	Plant/equipment maintenance schedules should be designed to optimise maintenance and thereby minimise the generation of chemical waste.	Project Site / Construction Phase	Works Contractor		✓		N/A
7.7.9	Chemical waste that is collected should be transported off-site for treatment by a licensed collector. The Operator should register with EPD as a chemical waste producer.	Project Site / Construction Phase	Works Contractor		✓		WDO
7.7.10	The Works Contractor should implement an education programme for workers relating to avoiding, reducing, reusing and recycling MSW.	Project Site / Construction Phase	Works Contractor		✓		N/A
7.7.11	Non-inert C&D Materials (termed construction waste) should be disposed of at NENT landfill.	Project Site / Construction Phase	Works Contractor		✓		N/A
7.7.15	Residual, non-recyclable, MSW should be stored in appropriate containers prior to collection and off-site disposal at NENT landfill	Project Site / Construction Phase	Works Contractor		✓		N/A
7.7.22	Regular collection should be made by an approved waste collection contractor in purpose-built Refuse Collection Vehicles that minimise environmental impacts during transportation.	Project Site / Construction Phase	Works Contractor		✓		N/A
Waste Management (Operation Phase)							
7.8.7	Operators should register with EPD as a chemical waste producer and provide on-site collection and storage.	PSC / Operation Phase	Operator			✓	WDO
7.8.8	Recycle waste lubricants into new products at an appropriate facility. Solid chemical wastes that cannot be recycled should be disposed at an appropriate facility	PSC / Operation Phase	Operator			✓	WDO
7.8.12	Implement an education programme for staff relating to avoiding, reducing, reusing and recycling MSW. This should include provision of three colour recycling bins throughout the PSC and posters/leaflets showing the correct use of recycling bin Collected materials should be sold to recycler	PSC / Operation Phase	Operator			✓	N/A

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
7.8.13	Provide on-site collection and storage of residual, non-recyclable, MSW. This waste should be stored in appropriate containers prior to off-site disposal at NENT landfill	PSC / Operation Phase	Operator			✓	N/A
7.8.14	Poultry waste is considered to be Special Waste. Any poultry waste that is not reused or recycled should be stored in hygienic conditions prior to collection and transportation to an off-site disposal facility.	PSC / Operation Phase	Operator			✓	WDO
7.8.15	Store poultry waste in sealed containers in a waste storage room that is well ventilated and extracted air treated to remove odour prior to release.	PSC / Operation Phase	Operator			✓	N/A
7.8.19	Any dust collected by the air pollution control equipment must be tested to ensure compliance for landfill disposal. If compliant, then the Practice Note for disposal of dusty waste at landfill sites and the Admission Ticket system should be followed. If not acceptable for direct landfill disposal, then the dust should be considered as chemical waste and treated and disposed of accordingly.	PSC / Operation Phase	Operator			✓	WDO / Practice Note for disposal of dusty waste at landfill sites
7.8.20	Copies/counterfoils from collection receipts issued by the licensed chemical waste collector should be kept for record purpose	PSC / Operation Phase	Operator			✓	WDO
7.8.22	Sludge should be disposed of at NENT landfill, or at any future dedicated sludge treatment facility. Copies/counterfoils from collection receipts issued by the licensed sludge collector shall be kept for record purpose	PSC / Operation Phase	Operator			✓	WDO
7.8.23	Residual, non-recyclable, MSW should be stored in appropriate containers prior to collection and off-site disposal at NENT landfill, which is the nearest landfill to the PSC. Copies/counterfoils from collection receipts issued by the nominated general waste collector shall be kept for record purpose	PSC / Operation Phase	Operator			✓	WDO
7.8.26	Environmental/hygiene mitigation measures should be followed at the landfill: ▪ Animal carcasses should be preferably sealed in plastic bags and transported in enclosed compartments; ▪ Decaying and offensive carcasses must be deposited into pre-excavated trench. Fresh carcasses should be deposited at the base of the tipping face; ▪ Inform the landfill staff of the trench requirements three days before the actual deposition date; ▪ Slightly offensive decaying carcasses should be generously sprinkled with lime;	Landfill / Operation Phase	Landfill Operator			✓	Practice Note for the Disposal of Animal Carcasses at Landfill Sites

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
	▪ Allow at least 0.5m clear at the top of the trench for immediate backfilling with soil. Carcasses at the tipping face should be immediately covered with domestic refuse or soil; ▪ No person should be allowed to enter and/or work inside the trenches; ▪ Avoid direct skin contact or accidental ingestion of animal tissue, fluid or blood; ▪ No smoking or sources of ignition; and ▪ Disposal operations should be supervised by trained personnel. All persons handling carcasses should wear suitable protective clothing and should be equipped with hand-hook The equipment should be cleaned afterward						
7.8.27	Chemical wastes should be stored in appropriate containers in a covered area. "No Smoking" signs should be clearly displayed to prevent accidental ignition of any flammable material Drip trays capable of storing 110% of the volume of the largest container should be used to mitigate possible leakage. Whenever the drip trays contain the maximum number of containers, a registered chemical waste collector should transport the containers to the appropriate treatment or disposal facility.	PSC / Operation Phase	Operator			✓	WDO
7.8.28	Sludge should be collected by a licensed collector at regular intervals, as determined by the operation of the WTF.	PSC / Operation Phase	Operator			✓	WDO
7.8.30	Residual, non-recyclable, MSW should be stored in appropriate container Regular collection should be made by an approved waste collector in RCVs that will minimise the potential for environmental impacts during transportation.	PSC / Operation Phase	Operator			✓	WDO
Land Contamination							
8.10.2	A health and safety plan should be prepared that covers aspects such as the discovery of large amounts of stained and odourous soils, underground tanks and other hazardous materials that may have been deposited at the Site.	Project Site / Construction Phase	Works Contractor		✓		EIAO-TM
8.10.3	If suspected contaminated materials are discovered during the construction works, the Project Proponent shall carry out a Land Contamination Assessment and submit the relevant reports to EPD for endorsement prior to the commencement of any construction works within the Site. Relevant reports would include a Contamination Assessment Plan (CAP), Contamination Assessment Report (CAR), Remediation Action Plan (RAP) and Remediation Report (RR).	Project Site / Construction Phase	Works Contractor		✓		Guidance Manual for Use of Risk-Based Remediation Goals for Contaminated Land Management

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
8.10.4	The conceptual model in the EIA report should be reviewed if further information is obtained or the planned change of use is altered.	Project Site / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
8.10.5	Should fuel tanks be required for the operation of the PSC, these should be located above ground, with a bund beneath, to prevent undetected leakage.	Project Site / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Human Health Risk							
Table 9-1 Level 2a	Cross-contamination between transport of incoming live poultry and outgoing dressed poultry products: ▪ The layout of the PSC shall be designed to separate vehicles bringing in live poultry and vehicles collecting dressed poultry products ▪ Provision of sufficient on-site parking / queuing space	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2a	Crate Washing: Pathogenic bacterial contamination of non-contaminated poultry: ▪ Provision of a semi-enclosed "Lorry Unloading Area" within the PSC building	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2a	Vehicle Washing: Pathogenic bacterial contamination of non-contaminated poultry: ▪ Provision of a "Vehicle Washing Area" within the PSC building	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2a	Odours, bioaerosols and other airborne contaminants escaping in an uncontrolled and untreated manner from the PSC: ▪ Air drawn from within the PSC shall pass through an odour removal system before being exhausted, to avoid odour impacts ▪ Ventilation hood systems and devices must be sufficient in number and capacity to prevent grease or condensation from collecting on walls and ceilings ▪ Heating, ventilation, and air conditioning systems must be designed and installed so that make-up air intake and exhaust vents do not cause contamination of food, food-contact surfaces, equipment, or utensils	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
Table 9-1 Level 2a	Wastewater generated from cleaning of crates and vehicles and from slaughtering activities escaping in an uncontrolled and untreated manner from the PSC ▪ WTFs shall be designed to meet the *Standards for Effluents Discharged into Foul Sewers Leading into Government Sewage Treatment Plants with Microbial Treatment in Deep Bay WCZ*, i.e., discharge to SWHSTW ▪ A dedicated foul sewer shall be constructed from the PSC to SWHSTW to directly convey effluent from the PSC	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		WPCO-TM DSD Sewerage Manual (Part 2) – Pumping Station and Rising Mains
Table 9-1 Level 2a	Presence of wild animals in close proximity to the PSC could act as disease vectors: ▪ A boundary wall (minimum 2m) will enclose the site, thereby deterring wild animals from walking/crawling into the PSC site from the surrounding environment and so reducing the risk of transferring disease from the wild to the PSC and vice versa	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2b	Overall physical structures: ▪ The premises should be painted with durable and light coloured paint that is easy to clean ▪ All ceilings must be constructed and finished as to prevent condensation, leakage, and formation of moulds can be easily cleaned ▪ Walls, floors, ceiling partitions and doors must be constructed with smooth and durable materials impervious to moisture ▪ Windows and all openings must be constructed and meshed to prevent the entrance of dust and pests, such as flies, rats and mice ▪ Floors must be made of non-slip materials, evenly graded to prevent water stagnation ▪ Proper signage should be provided for demarcation and instructions	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2b	Stressed poultry in the holding area and overcrowding will lead to more rapid spread of infection between poultry: ▪ The holding areas shall be constructed such that waste and dirty water are drained into a manure sump ▪ Effective drainage should be ensured to enable proper cleaning of the area	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
	▪ The holding areas shall be shall be provided with air-conditioning that meets operational needs – provision of wall/ceiling mounted fans will assist in improving air circulation ▪ The holding areas shall be designed to accommodate a maximum number of 25,350 poultry (approximately 13,000 per stall)						
Table 9-1 Level 2b	Cross-contamination between live and slaughtered poultry: ▪ The slaughtering areas shall be physically separated from the holding area ▪ The packaging and storage areas are classified as clean areas and shall be physically separated from the slaughtering areas ▪ Offices and reception areas shall be physically separated from the rooms and areas in which poultry are processed, handled and stored ▪ A staff room shall be provided for the workers to take meals, rest and for recreational purposes. The room should be physically separated from poultry holding area and other processing areas	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2b	Cross-contamination between healthy and infected poultry: ▪ Separate rooms shall be provided within the PSC building for pre-slaughter testing and post-mortem examination of poultry pending avian influenza testing results and requiring detailed inspection, respectively ▪ An Isolation Room will be provided to quarantine poultry suspected of being infected. The Isolation room will be fitted with a separate ventilation system	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2b	Bioaerosols and other airborne contaminants released during slaughtering into a confined environment: ▪ The PSC shall be operated at negative pressure, with the ventilation system designed to draw air from the relatively clean areas (e.g. the packing areas) into dirty areas (e.g. the holding areas) ▪ The rate of air changes within the various operational rooms in the PSC shall prevent air from stagnating and shall draw in clean air into each room ▪ Indoor areas shall be provided with air-conditioning that meets operational needs	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages* D	C	O	Relevant Legislation and Guidelines
Table 9-1 Level 2b	Design of manual, semi-automated or fully automated slaughtering machines: ▪ The slaughtering machines and equipment shall be designed to meet industry best practice standards ▪ Any conveyors shall use materials that are microbe-resistant and easily cleaned and disinfected ▪ Materials that are used in the construction of utensils, equipment and any food-contact surfaces, should not allow the migration of deleterious substances or impart colour, odour, or taste to food and under normal use conditions must be safe and non-toxic, durable, corrosive resistant, and non-absorbent; sufficient in weight and thickness to withstand repeated washing; finished to have a smooth, light-coloured, easily cleanable surface; resistant to pitting, chipping, scratching distortion and decomposition	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
	All wastewater shall be treated by the on-site WTF ▪ Equipment shall be provided to ensure all poultry are rendered unconscious prior to neck-cutting for animal welfare and to avoid struggling and consequential spraying of blood, which may splash on workers ▪ The neck-cutting process shall be designed such that contact between workers and poultry blood is minimised to the maximum possible extent. In an automated or semi-automated system, such protection is built-in and worker involvement is minimal. To achieve this protection in a manual system, suitable design is required, e.g. provision of screening at appropriate locations						WPCO-TM
Table 9-1 Level 2b	Provision of personal hygiene facilities throughout the PSC: ▪ Washrooms will be provided throughout the PSC, such that workers do not need to move between clean areas and dirty areas. Provision will be in accordance with Building Regulations and the exact number will be determined during detailed design ▪ Hand-washing basins equipped with non-hand operated taps, which supply both hot and cold water, will be provided at various working points – the exact number will be determined during detailed design ▪ Showers will also be provided for workers – the exact number will be determined during detailed design	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		Building (Standards of Sanitary Fitments, Plumbing, Drainage Works and Latrines) Regulations Practice Note for Authorized Persons and Registered Structural Engineers 297 (PNAP 297)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
Table 9-1 Level 2b	Cold Storage: ▪ Built-in cold stores will be provided to store a minimum of 19,900 dressed poultry	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Table 9-1 Level 2b	Storage rooms for non-food items: ▪ A store room for clean items, such as wrapping or packing materials must be provided	PSC / Design and Construction Phases	Designer / Works Contractor	✓	✓		EIAO-TM
Landscape & Visual (Construction Phase)							
10.9.2	MC1. Site offices and construction yards: ▪ Site offices shall have olive green roof and façade coating, colour shall match with the existing environment ▪ Site offices and the construction yard shall be decommissioned after construction	PSC / Construction Phase	Works Contractor		✓		
10.9.3	MC2. Height of site offices: ▪ The height of site offices, including the rooftop shall not exceed 10m ▪ Building services equipment such as antennas may exceed 10m and should be coated in black	PSC / Construction Phase	Works Contractor		✓		
10.9.4	MC3. Hoarding and screening. Where practical, the site offices, construction yards and storage areas shall be screened with hoarding along the peripheries of the site using colour in harmony with the surrounding environment until the completion of relevant construction phases	PSC / Construction Phase	Works Contractor		✓		
10.9.5	MC4. Construction equipment and building material: ▪ Shall be orderly and carefully stored in order to appear neat and avoid visibility from outside where practical ▪ Excess materials shall be removed from site as soon as practical ▪ All construction equipment shall be removed from site upon completion of construction works	PSC / Construction Phase	Works Contractor		✓		

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
Landscape & Visual (Tree Preservation and Planting)							
10.9.6	MT1. Compensation for losses is anticipated. The tree compensation:tree loss ratio shall be at least 1:1 in terms of quantity. Species for compensation planting shall be *Juniperus chinensis*. As per the Airport Authority study "Hong Kong International Airport Approved Plant Species List" (Revision 3: June 2007), *Juniperus chinenis* is not considered to attract bird species.	PSC / Construction Phase	Works Contractor		✓		
10.9.7	MT2. As transplantation on site is not permissible, trees that require removal shall be transplanted off site to the location identified.	PSC / Construction Phase	Works Contractor		✓		
10.9.8	MT3. Preservation: ▪ No tree shall be transplanted or felled without prior approval by relevant Government departments ▪ Transplant preparation works shall be carried out as soon as possible after commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping shall be avoided. Rootball and crown pruning shall be carried out over at least 3 months ▪ Existing off-site shrub and ground cover planting areas that are disturbed by the works shall be reinstated. Plant selection for shrubs has been recommended	PSC / Construction Phase	Works Contractor		✓		
Landscape & Visual (Building)							
10.9.9	MB1. External fence walls shall be finished with durable and easy to clean paint and shall be in a colour scheme, which shall blend the new structure with the "green" environment. The colour scheme of the building shall also be in harmony with the surrounding environment as much as possible	PSC / Design Phase	Designer	✓			
10.9.10	MB2. The building shall be in stepped height to distribute the building mass and avoid a "wall effect"	PSC / Design Phase	Designer	✓			
10.9.11	MB3. The building shall be composed of horizontal and vertical lines on the façade to reduce the apparent bulk of the building, materials such as glass and timber may be integrated into the design to add interest and variety to the design	PSC / Design Phase	Designer	✓			

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines
				D	C	O	
10.9.12	MB4. Flat roof areas shall be articulated to reflect horizontal and vertical lines of the façade to have an overall cohesive architectural design and so as to break the flatness. Colouring/finish shall allow blending with the surrounding environment	PSC / Design Phase	Designer	✓			
10.9.13	MB5. Where possible, the roof profile shall be slightly pitched so as to add interest and so as to easily integrate with the surrounding hills	PSC / Design Phase	Designer	✓			
10.9.14	MB6. Paving shall be designed to reflect the horizontal and vertical lines of the building and add interest to the PSC as seen from far and higher views	PSC / Design Phase	Designer	✓			

Note: * D = Design, C = Construction, O = Operation