

**Appendix 3.6 Calculation of Existing Industrial Chimney Emissions**

**SENT Landfill and HAECO**

**Emission Sources Listing in AERMOD**

Emission Source <sup>1,2,3</sup>	Source ID	Type	X	Y	Elevation (m)	Stack Height (mAG)	Exit Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	Emission Rate (g/s)				
										NOx	CO	SO2	Vinyl Chloride	Benzene
Flare1	SENTX01	POINT	846465.00	814674.00	7.00	12.20	1144.00	10.00	2.00	2.4300E-01	8.1100E-01	7.9000E-02	1.0600E-05	5.4300E-05
Flare2	SENTX02	POINT	846470.00	814676.00	7.00	12.20	1144.00	10.00	2.00	2.4300E-01	8.1100E-01	7.9000E-02	1.0600E-05	5.4300E-05
LFG Generator	SENTX04	POINT	846435.40	814675.10	7.00	15.00	764.00	28.20	0.50	5.2700E-02	1.1400E+00	3.4000E-02	1.1200E-06	5.7600E-06
HAECO	HAECO01	POINT	846000.00	815724.00	6.70	40.00	325.00	16.40	14.70	1.0600E+02	-	1.9200E+00	-	-
HAECO	HAECO02	POINT	846000.00	815724.00	6.70	40.00	325.00	12.00	14.70	-	2.3900E+01	-	-	-

**Remark**

1. Emission rate and stack parameters of HAECO refer to the approved *Environmental Review of the Revised Scheme of SENT Landfill Extension, 2016* .
2. Emission rate and stack parameters of SENT Landfill refer to to *South East New Territories (SENT) Landfill Extension Technical Note on Operational Air Quality Impact Due to Proposed Design Changes (October 2019)* .
3. The SENT Landfill will be in the aftercare phase during the Operation Phase of the Project, and only the flares and the LFG generator will continue to operate according to the approved *Environmental Review of the Revised Scheme of SENT Landfill Extension, 2016* . Therefore, the thermal oxidizer is omitted.

**Appendix 3.6 Calculation of Existing Industrial Chimney Emissions**

**ASB Biodiesel (Hong Kong) Limited**

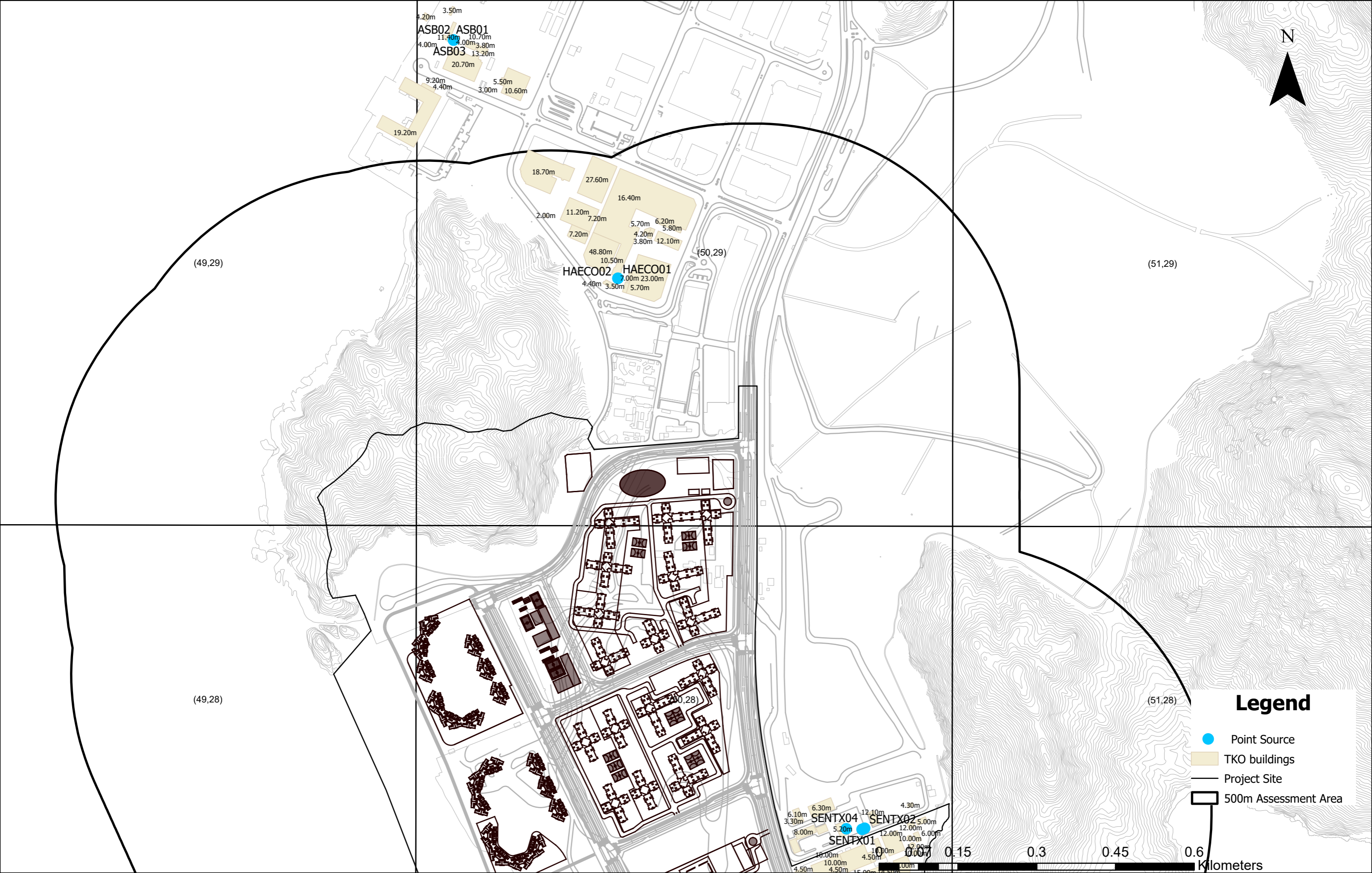
**Emission Sources Listing in AERMOD**

Emission Source <sup>1</sup>	Source ID	Type	X	Y	Elevation (m)	Stack Height (mAG)	Exit Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	Emission Rate (g/s)						
										NO2	CO	SO2	RSP	FSP	C2H4O	CH4
ASB Biodiesel (Hong Kong) Limited	ASB01	POINT	845687.00	816178.00	5.00	12.50	1088.00	0.13	0.96	1.4722E-02	5.0000E-03	1.0833E-02	-	-	-	-
ASB Biodiesel (Hong Kong) Limited	ASB02	POINT	845687.00	816178.00	5.00	31.00	373.00	1.75	0.75	1.1600E+00	2.8889E-01	4.1694E-01	5.7778E-02	5.7778E-02	-	-
ASB Biodiesel (Hong Kong) Limited	ASB03	POINT	845687.00	816178.00	5.00	24.21	308.00	0.20	0.15	-	-	-	-	-	2.7083E-02	2.7083E-02





**Remark**

1. Emission inventory of ASB Biodiesel (Hong Kong) Limited refers to SP Licence No.: L-25-019(4).

# Location of Emission Sources of ASB Biodiesel Limited, SENTX and HAECO



## Legend

-  Point Source
-  TKO buildings
-  Project Site
-  500m Assessment Area

