

APPENDIX 5D

2031 Emission Inventory

Project : HKBCF and HKLR
Title : Summary of 2031 Emission Inventory

Emission Group	Annual Emission (2031), Tonne / Yr			
	SO ₂	NO _x	RSP	VOC
Power Plant, Industry, Transportation, VOC Containing Product and others in PRDEZ	394,369	440,991	204,162	173,260
Aircraft Take – Off, Climb Out, Approach, Idling / Taxing	446	8,665	100	1,140
Ground support Equipment	70	189	52	18
Auxillary Power Units	24	156	0	20
Engine Run-up Facilities	1	31	0	2
Fuel Tanks	0	0	0	8
HKSAR - Power Plant	11,698	17,375	737	420
HK Industry (see Note 1)	1,399	7,121	820	4,762
HK Marine	7,169	36,151	1,539	1,536
HK Roads (except those on Lantau)	359	7,337	296	3,665
Petrol car and evaporation of petrol	0	0	0	1,263
Tire wear and brake	0	0	854	0
Non-Road Mobile Source	0.1	26	3	3
VOC Containing Sources	0	0	0	18,939
Commercial & domestic fuel combustion	6	1,982	137	98
Others	0	17	9	334

Note: Emission from the proposed project and other roads on Lantau are separately quantified.

Note 1 : Emission from EcoPark, STF, Green Island Cement have been included in the emission inventory.