Kong Nga Po ISCST3 model input data

		CHP stack	APU	Flare
		Combined Heat and Power Plant/ Co-generation Engine	**Odour Treatment Unit**	**Flaring Gas System**
Source type		Point	Point	Point
Assumed operation hours	(h)	24	24	24
X-coordinate	(m)	831419.96	831419.96	831397.24
Y-coordinate	(m)	843047.25	843047.25	843097.4
Base elevation	(mPD)	38.5	38.5	38.5
Height above ground (option 1 adopted in OWTF2)	(m)	30	30	20
Gas exit temp	(K)	733.2	308.2	1173.2
Stack inside diameter	(m)	0.243	1.957	0.389
Gas exit velocity	(m/s)	15	18	3.5
Gas Exit Flow rate	Nm^3/hr	2500	195000	1500
	Nm^3/s	0.6944	54.1667	0.4167

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		Flow Rate	Emission Rate used in KNP ISCST3 model		
	Parameters	(Nm3/hr)	(mg/Nm3)	(g/s)	Equation
CHP	**RSP**	2500	15	0.01042	=(mg/Nm3) * (Nm3/hr) * (1/(60*60)s) * (1/1000mg)
	NOx	2500	500	0.34722	
APU	**RSP**	195000	6	0.32500	
Flare	**RSP**	1500	5	0.00208	
	NOx	1500	200	0.08333	