

Unit Load Factor of Livestock

Livestock	Flow (m3/d/head) [1]	TKN (kg/d/head) [2]	NH3-N (kg/d/head) [2]	TP (kg/d/head) [2]	E.coli (counts/d/head) [2]	BOD (kg/m3) [3]	SS (kg/m3) [3]
Pig	0.015	0.023	0.012	0.01	5.40E+11	0.05	0.05
Chicken	0.00013	0.001	0.0005	0.0005	1.01E+10	0.05	0.05

Notes:

[1] EPD's Guidelines for Soakaway System

[2] EPD, Update on Cumulative Water Quality and Hydrological Effect of Coastal Developments and Upgrading of Assessment Tool (EPD Update Study)

[3] Livestock Keeping License under Waste Disposal (Livestock Waste) Regulations

Livestock Pollutant Loading

Farm ID	No. of Pig	No. of Chicken	Flow (m3/d)	TKN(kg/d)	NH3-N (kg/d)	TP (kg/d)	E.coli (count/d)	BOD (kg/d)	SS (kg/d)
Abated	7100	46000	112.48	190.90	99.00	84.80	4.11E+15	5.62	5.62
Retained	0	35000	4.55	21.00	10.50	10.50	2.12E+14	0.23	0.23
Total	7100	81000	117.03	211.90	109.50	95.30	4.32E+15	5.85	5.85

Notes:

It is assumed that pollution load from all pig waste and 60% of chicken waste were discharged into rivers. EPD Update Study.