



NUMALIGARH REFINERY LIMITED **(Quality Control Department)**

ANALYSIS OF GROUND WATER AROUND SECURED LAND FILL

FOR THE MONTH OF Sept, 2017

DATE OF SAMPLING : 18.09.2017

Annexure-I

SL	Substance or Characteristic	Analysis data of ground water around SLF generated before commissioning of SLF(max)	Results of piezometric tubes			
			No. # 1	No. # 2	No. # 3	No. # 4
1	Odour	Nil	Nil	Nil	Nil	Nil
2	pH Value	7.6	8.0	7.5	8.5	8.0
3	Iron (as Fe), mg/lit (Max.)	1.5	0.3	0.27	0.34	0.18
4.	Chlorides (as Cl) mg/lit (Max.)	28	26.0	28.5	27.1	25.6
5.	Residual free chlorine, mg/lit (Min.)	Nil	Nil	Nil	Nil	Nil
6.	Copper (as Cu), mg/lit (Max.)	0.04	0.022	0.024	0.029	0.031
7.	Manganese (as Mn), mg/lit (Max.)	0.03	Nil	Nil	Nil	Nil
8	Nitrate (as NO ₃), mg/lit (Max.)	0.4	0.24	0.28	0.29	0.30
9.	Fluoride (as F), mg/lit (Max.)	0.3	0.22	0.26	0.27	0.23
10.	Cadmium (as Cd), mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
11.	Arsenic (as As). mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
12.	Cyanide (as CN), mg/lit (Max.)	Nil	Nil	Nil	Nil	Nil
13.	Lead (as Pb), mg/lit (Max.)	0.05	0.031	0.024	0.023	0.036
14.	Zinc (as Zn), mg/lit (Max.)	0.2	0.14	0.11	0.19	0.15
15.	Chromium(asCr) Mg/lit (Max)	Nil	Nil	Nil	Nil	Nil