



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

**ANALYSIS OF GROUND WATER AROUND SECURED LAND FILL
FOR THE MONTH OF MAY,2017**

DATE OF SAMPLING : 15.05.2017

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	8.5	8.5	8.0
3.	Iron (as Fe), mg/lit (Max.)	1.5	0.39	0.45	0.37	0.33
4.	Chlorides (as Cl) mg/lit (Max.)	28	25.5	26.5	27.1	24.5
5.	Residual free chlorine, mg/lit (Min.)	Nil	Nil	Nil	Nil	Nil
6.	Copper (as Cu), mg/lit (Max.)	0.005	0.04	0.022	0.019	0.021
7.	Manganese (as Mn), mg/lit (Max.)	0.03	Nil	Nil	Nil	Nil
8.	Nitrate (as NO ₃), mg/lit (Max.)	0.4	0.22	0.27	0.28	0.19
9.	Fluoride (as F), mg/lit (Max.)	0.3	0.22	0.24	0.27	0.21
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	0.039	0.031	0.029	0.031
14.	Zinc (as Zn), mg/lit (Max.)	0.2	0.15	0.16	0.19	0.14
15.	Chromium(asCr) Mg/lit (Max)	Nil	Nil	Nil	Nil	Nil