



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

**ANALYSIS OF GROUND WATER AROUND SECURED LAND FILL
FOR THE MONTH OF JUNE 2016**

DATE OF SAMPLING : 13.06.2016

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	8.5	8.0	8.5	8.0
3	Iron (as Fe), mg/lit (Max.)	1. 5	0.31	0.24	0.25	0.30
4.	Chlorides (as Cl) mg/lit (Max.)	28	26.0	28.0	25.6	24.8
5.	Residual free chlorine, mg/lit (Min.)	Nil	Nil	Nil	Nil	Nil
6.	Copper (as Cu), mg/lit (Max.)	0.04	0.019	0.025	0.028	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	0.29	0.26	0.25	0.22
9.	Fluoride (as F), mg/lit (Max.)	0.3	0.20	0.26	0.29	0.30
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	0.026	0.021	0.031	0.027
14.	Zinc (as Zn), mg/lit (Max.)	0.2	0.16	0.18	0.14	0.17
15.	Chromium(asCr) Mg/lit (Max)	Nil	Nil	Nil	Nil	Nil



NUMALIGARH REFINERY LIMITED
(Quality Control Department)

ANALYSIS OF GROUND WATER AROUND SECURED LAND FILL
FOR THE MONTH OF JULY- 2016

DATE OF SAMPLING : 16.07.2016

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	8.5	8.0	8.5	8.0
3	Iron (as Fe), mg/lit (Max.)	1.5	0.31	0.24	0.25	0.30
4.	Chlorides (as Cl) mg/lit (Max.)	28	26.0	28.0	25.6	24.8
5.	Residual free chlorine, mg/lit (Min.)	Nil	Nil	Nil	Nil	Nil
6.	Copper (as Cu), mg/lit (Max.)	0.04	0.019	0.025	0.028	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	0.29	0.26	0.25	0.22
9.	Fluoride (as F), mg/lit (Max.)	0.3	0.20	0.26	0.29	0.30
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	0.026	0.021	0.031	0.027
14.	Zinc (as Zn), mg/lit (Max.)	0.2	0.16	0.18	0.14	0.17
15.	Chromium(asCr) Mg/lit (Max)	Nil	Nil	Nil	Nil	Nil