

WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: AUGUST, 2014

Sl. No.	PARAMETER	RESULT					
		STATION CODE: 2050 Tlawng Upper Stream	STATION CODE: 2051 Tlawng Lower Stream	STATION CODE: 2052 Tuirial Upper Stream	STATION CODE: 2053 Tlawng Lower Stream	STATION CODE: 2054 Ramhlun North	STATION CODE: 2055 Mission Vengthlang
1	Weather	Clear	Clear	Clear	Clear	Clear	Clear
2	Depth of water body	1.5 meter	1.8 meter	0.5 meter	0.3 meter	1 meter	1.2 meter
3	Colour	Pale yellow	Pale yellow	Pale Yellow	Pale yellow	Colourless	Pale Yellow
4	Odour	Odourless	Odourless	Odourless	Odourless	Odourless	Smelly
5	Velocity of Flow	1m/s	1 m/s	1.3 m/s	1.2 m/s	N/A	N/A
6	Water Temperature	28°C	28°C	28°C	28°C	23°C	24°C
7	Dissolved Oxygen	6.9 mg/L	7.5 mg/L	6.6 mg/L	7.5 mg/L	3.6 mg/L	5.3 mg/L
8	Major polluting sources	Agriculture	Agriculture	Agriculture	Agriculture	Domestic	Domestic
9	Use of water at or in down stream of monitoring stations	Use as public water supply	Water treatment plant located near the station	-	-	Washing	Washing

CORE PARAMETERS

10	pH	7.33	7.39	7.2	7.11	7.56	6.65
11	Conductivity	53.2 us/cm	64.3 us/cm	149 us/cm	215 us/cm	183 us/cm	300 us/cm
12	Biochemical Oxygen Demand	1.3 mg/L	1.6 mg/L	1.4 mg/L	1.6 mg/L	1 mg/L	1.1 mg/L
13	Nitrogen- Nitrite (N-NO ₂)	0.013 mg/L	0.083 mg/L	0.083 mg/L	0.051 mg/L	0.134 mg/L	0.025 mg/L
14	Faecal Coliform	NA	NA	NA	NA	NA	NA
15	Total Coliform	NA	NA	NA	NA	NA	NA

GENERAL PARAMETERS

16	Turbidity	116 NTU	95 NTU	107 NTU	101 NTU	1 NTU	0.5 NTU
17	Alkalinity	42.5 mg/L	45.9 mg/L	42.5 mg/L	44.2 mg/L	30.6 mg/L	161.5 mg/L
18	Chloride	9.8 mg/L	9.1 mg/L	3.7 mg/L	5.3 mg/L	49.3 mg/L	49.3 mg/L
19	Nitrogen Ammonia (N-NH ₃)	3.371 mg/L	3.249 mg/L	0.072 mg/L	0.144 mg/L	0.334 mg/L	4.488 mg/L
20	Total hardness	40 mg/L	42 mg/L	40 mg/L	24 mg/L	76 mg/L	130 mg/L
21	Calcium	9.6 mg/L	11.2 mg/L	7.2 mg/L	9.6 mg/L	20 mg/L	38.4 mg/L
22	Magnesium	3.8 mg/L	3.3 mg/L	5.2 mg/L	4.8 mg/L	6.2 mg/L	8.1 mg/L
23	Sodium	NA	NA	NA	NA	NA	NA
24	Total Dissolved Solids	140 mg/L	170 mg/L	150 mg/L	170 mg/L	90 mg/L	180 mg/L
25	Total Suspended Solids	70 mg/L	80 mg/L	70 mg/L	90 mg/L	50 mg/L	90 mg/L
26	Phosphate, PO ₄ ³⁻	0.175 mg/L	0.128 mg/L	0.030 mg/L	0.062 mg/L	0.075 mg/L	0.241 mg/L