

**WATER QUALITY DATA UNDER NWMP, MIZORAM
MONITORING PERIOD: SEPTEMBER, 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 Tuirial 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 (m) | 2 | 2 | 0.6 | 0.4 | 0.9 | 1.2 |
| 3 | Colour | Pale yellow | Colourless | Pale Yellow | Pale yellow | Colourless | Pale Yellow |
| 4 | Odour | Odourless | Odourless | Odourless | Odourless | Odourless | Odourless |
| 5 | Velocity of Flow(m/sec) | 1.5 | 1.5 | 0.5 | 0.5 | N/A | N/A |
| 6 | Water Temp. | 26 | 26 | 27 | 27 | 22 | 23 |
| 7 | D.O(mg/L) | 6.8 | 7.1 | 7.1 | 7.2 | 3.9 | 2.8 |
| 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 | 7.54 | 7.42 | 7.3 | 7.34 | 5.28 | 6.7 |
| 11 | Conductivity(us/cm) | 69.1 | 67.1 | 234 | 140 | 505 | 357 |
| 12 | BOD (mg/L) | 1.2 | 1.4 | 1.4 | 1.4 | 1.1 | 1.1 |
| 13 | Nitrogen- Nitrite (N-NO ₂) (mg/L) | 0.031 | 0.048 | 0.044 | 0.039 | 0.033 | 0.018 |
| 14 | Faecal Coliform | NA | NA | NA | NA | NA | NA |
| 15 | Total Coliform | NA | NA | NA | NA | NA | NA |

GENERAL PARAMETERS

| | | | | | | | |
|----|--|-------|-------|-------|-------|------|-------|
| 16 | Turbidity (NTU) | | | | | | |
| 17 | Alkalinity (mg/L) | 33.8 | 37.1 | 45.6 | 42.2 | 25.3 | 135.2 |
| 18 | Chloride (mg/L) | 5.3 | 4.5 | 6.8 | 9.1 | 50.8 | 45.5 |
| 19 | Nitrogen Ammonia (N-NH ₃) (mg/L) | 2.326 | 2.041 | 0.156 | 0.433 | 0.27 | 4.131 |
| 20 | Total hardness (mg/L) | 36 | 32 | 42 | 46 | 100 | 124 |
| 21 | Calcium (mg/L) | 9.6 | 8.8 | 10.4 | 10.4 | 28.8 | 37.6 |
| 22 | Magnesium (mg/L) | 2.8 | 2.4 | 3.8 | 4.8 | 6.7 | 7.2 |
| 23 | Sodium | NA | NA | NA | NA | NA | NA |
| 24 | TDS (mg/L) | 150 | 170 | 150 | 170 | 90 | 130 |
| 25 | TSS (mg/L) | 70 | 80 | 70 | 80 | 50 | 60 |
| 26 | Phosphate (mg/L) | 0.186 | 0.148 | 0.147 | 0.102 | 0.12 | 0.272 |