CHEMICAL TREATMENT CALCULATION

Product name : CLARIANT (MULTITREAT-5549)
Composition : 500 ppm (GS-COR.560)
Pipeline Data

1. ID of Pipe : 11.94 Inch
2. Length of Pipeline : From MWPBA Up To SWPK
   12.6 KM ≈ 12600 Meter
   Total Length : 12600 Meter
3. Volume of Pipeline : 909.7379 M3

Total Chamical Req'
= 500/1.000.000 x 909.7379016
= 0.45487 M3
= 454.869 Liter/line ≈ **455** **Liter/line**

Constant Velocity Over 1M/S Based On GS EP PLR 501
= Volume of Pipeline / Total Length
= 0.0722 M3
= 72.2014 Liter per Second

Capacity Water Pump per Minute
= 4332.09 Liter per Minute
= 4.33209 M3/Minute

Total Injection Chemical Rate per 1M3
= Total Chemical / Volume of Pipeline
= 0.50014 Liter

Total Injection Chemical versus Capacity Water Pump per Minute
= Total Injection Chemical Rate per 1M3 x Capacity Water Pump per Minute
= 2.16667 Liter/Minute