

| Attachment 1 - Multi Media Filters 060810 JEB | | | | |
|---|---------|-------------|------------|--------|
| Item | Units | Value | | |
| Flow Rate | LPS | 0.53 | Continuous | |
| | | Continuous | | |
| No of Filters | | 1 | | |
| Flow per filter | LPS | 0.53 | | |
| Filter Model | FRF 240 | Multi Media | | 6 |
| Media Type | | Recommended | Actual | Check |
| Loading - Continuous (all filters) | cm/sec | 0.21 | 0.18 | OK |
| Calculated Filter Area at Rec Cont Load (all filters) | m2 | 0.25 | 0.29 | |
| Filter Diameter | | | 60.96 | cm |
| Design Calculations | | | | |
| Inlet outlet pipe size | | | 38 | mm |
| Inlet outlet pipe velocity | | | 0.47 | m/sec |
| Backwash flow | | | 3.2 | LPS |
| Backwash rate | | | 1.08 | cm/sec |
| BW pipe size | | | 39 | mm |
| BW pipe velocity | | | 2.64 | m/sec |
| Media | | | 0.23 | m3 |
| Bed Depth | | | 0.78 | m |
| Height at 50% bed expansion | | | 1.16 | |
| Backwash time - preset | | | 10 | min |
| Total BW volume | | | 1892 | liters |
| Rinse time - preset | | | 10 | min |
| Rinse flow | | | 0.53 | LPS |
| Total Rinse Vol | | | 84 | liters |
| Run time between BW - preset | | | 23 | preset |
| Volume filtered per vessel | | | 43,884 | liters |