**Aquatic Facilities**

**Environmental Health Guide**

## Health (Aquatic Facilities) Regulations 2007

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| **BASIC WATER BODY FILTRATION AND SYSTEM DESIGN PERFORMANCE INFORMATION (To be completed for each independent plumbing system)** |
| LOCATION |  |
| DESCRIPTION (Swim, Spa, etc.) |  |
| WATER BODY VOLUME (m3) |  |
| PUMP MAKE & MODEL |  |
| NUMBER OF PUMPS IN USE SIMULTANEOUSLY |  |
| FILTER MAKE & MODEL |  |
| NUMBER OF FILTERS IN USE SIMULTANEOUSLY |  |
|  |
| TOTAL SYSTEM PERFORMANCE DATA | FILTERS (Clean Condition) |
|  | **Figure** | **Units** |
| Filter Resistance (See note 2) |  | Meters [ ]  / KPa [ ]  |
| Plumbing Resistance (resistance in pipes) | **+** |  | Meters [ ]  / KPa [ ]  |
| Head (Kpa or Metres) (See Note 5) |  |  | Meters [ ]  / KPa [ ]  |
| Total System Resistance (Combined total of above at total system flow rate) (See note 3) | **=** |  | Meters [ ]  / KPa [ ]  |
| Flow Rate (per pump) |  | L/min |
| Total System Flow Rate (See notes 1 and 2) | = |  | L/min |
| Total Pool Volume |  |  | L [ ]  / m3 [ ]  |
| POOL TURNOVER RATE | = |  | Mins [ ]  / Hrs [ ]  |
|  |
| NOTES: |
| 1. | Pump manufacturers performance curves with the duty points under clean filter conditions clearly marked thereon must accompany this statement. |
| 2. | Data from the filter manufacturer stating filter area and maximum allowable flow rate must accompany this statement. |
| 3. | The "total system flow rate" is the flow to be circulated to and from the water body with all pumps operating simultaneously. It must not count stand-by pumps. |
| 4. | System schematic diagram showing the point of chlorination and distances between water body inlets and outlets must accompany this statement |
| 5. | Pressure loss or gain due to vertical separation of pump and water level |  |

Name: Qualifications:

Signature: Date:

Produced by Environmental Health Directorate

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