

## VAAL BARRAGE AND VAAL DAM DAILY FLOW INFORMATION 2020

| VAAL BARRAGE @ 07h00                        |             |                                 | 25 Jan<br>Sat | 26 Jan<br>Sun | 27 Jan<br>Mon | 28 Jan<br>Tue | 29 Jan<br>Wed | 30 Jan<br>Thu | 31 Jan<br>Fri |
|---|-------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Level (m)                                   |             |                                 | 7.49          | 7.49          | 7.50          | 7.49          | 7.45          | 7.42          | 7.44          |
| Flow (m <sup>3</sup> /s)                    |             |                                 | 10.087        | 10.087        | 10.093        | 10.087        | 10.059        | 10.039        | 10.052        |
| Average flow day before (m <sup>3</sup> /s) |             |                                 | 10.089        | 10.087        | 10.089        | 10.088        | 10.068        | 10.044        | 10.042        |
| Minimum flow day before (m <sup>3</sup> /s) |             |                                 | 10.087        | 10.087        | 10.087        | 10.087        | 10.059        | 10.039        | 10.039        |
| Maximum flow day before (m <sup>3</sup> /s) |             |                                 | 10.093        | 10.087        | 10.093        | 10.093        | 10.080        | 10.059        | 10.052        |
| Rainfall day before (mm)                    |             |                                 | 0.0           | 0.0           | 0.0           | 0.0           | 0.0           | 0.0           | 10.2          |
| Evaporation (mm)                            |             |                                 | 5.0           | 2.5           | 4.5           | 8.0           | 7.0           | 5.0           | 8.2           |
| Conductivity (mS/ml)                        |             |                                 | 71.8          | 71.2          | 72.0          | 70.8          | 71.6          | 73.0          | 72.7          |
| Lethabo river level (m)                     |             |                                 | 2.55          | 2.56          | 2.56          | 2.54          | 2.54          | 2.54          | 2.54          |
| No. of gates open                           | Inches open | Flow / gate (m <sup>3</sup> /s) | Temp (°C)     | Date          | Notes         |               |               |               |               |
| 1   | 1x6"        | 10.087                          | 21.3          | 25 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.087                          | 21.7          | 26 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.093                          | 22.7          | 27 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.087                          | 21.4          | 28 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.059                          | 21.7          | 29 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.039                          | 22.7          | 30 Jan        |               |               |               |               |               |
| 1   | 1x6"        | 10.052                          | 23.2          | 31 Jan        |               |               |               |               |               |

| VAAL DAM @ 06h00                            |  |  | 25 Jan<br>Sat | 26 Jan<br>Sun | 27 Jan<br>Mon | 28 Jan<br>Tue | 29 Jan<br>Wed | 30 Jan<br>Thu | 31 Jan<br>Fri |
|---|--|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Level (m)                                   |  |  | 18.360        | 18.410        | 18.440        | 18.450        | 18.460        | 18.450        | 18.480        |
| Full (%)                                    |  |  | 56.38         | 56.81         | 57.06         | 57.15         | 57.23         | 57.15         | 57.41         |
| Inflow (m <sup>3</sup> /s)                  |  |  | 142.44        | 142.44        | 92.87         | 75.49         | 74.32         | 75.43         | 75.43         |
| Discharge (m <sup>3</sup> /s)               |  |  | 17.60         | 17.60         | 17.60         | 17.60         | 17.60         | 17.60         | 17.77         |
| Number of river valves open and % discharge |  |  | 1x100%; 1x50% | 1x100%; 1x50% | 1x100%; 1x50% | 1x100%; 1x50% | 1x100%; 1x50% | 1x100%; 1x50% | 1x100%; 1x50% |
| Number of gates open                        |  |  | 0             | 0             | 0             | 0             | 0             | 0             | 0             |

Information supplied on behalf of Rand Water and the Department Water & Sanitation  
Please Note: Not all abstraction and evaporation losses from Vaal Dam are reflected in the above data