

## VAAL BARRAGE AND VAAL DAM DAILY FLOW INFORMATION 2017

| VAAL BARRAGE @ 07h00                        |             |                                 | 21 Oct Sat | 22 Oct Sun | 23 Oct Mon | 24 Oct Tue | 25 Oct Wed | 26 Oct Thu | 27 Oct Fri |
|---|-------------|---------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Level (m)                                   |             |                                 | 7.52       | 7.55       | 7.60       | 7.59       | 7.53       | 7.43       | 7.41       |
| Flow (m <sup>3</sup> /s)                    |             |                                 | 15.122     | 15.152     | 60.346     | 60.304     | 60.058     | 59.646     | 10.032     |
| Average flow day before (m <sup>3</sup> /s) |             |                                 | 15.119     | 15.135     | 37.435     | 40.861     | 57.664     | 59.848     | 17.882     |
| Minimum flow day before (m <sup>3</sup> /s) |             |                                 | 15.111     | 15.122     | 15.152     | 15.183     | 60.058     | 59.646     | 10.025     |
| Maximum flow day before (m <sup>3</sup> /s) |             |                                 | 15.122     | 15.162     | 60.346     | 60.386     | 60.304     | 60.058     | 59.604     |
| Rainfall day before (mm)                    |             |                                 | 0.0        | 20.0       | 10.0       | 0.0        | 0.0        | 0.0        | 0.0        |
| Evaporation (mm)                            |             |                                 | 6.0        | 9.0        | 10.0       | 2.0        | 3.0        | 3.0        | 6.0        |
| Conductivity (mS/ml)                        |             |                                 | 83.8       | 84.6       | 83.7       | 76.9       | 85.3       | 86.3       | 84.9       |
| Lethabo river level (m)                     |             |                                 | 2.51       | 2.54       | 2.56       | 2.56       | 2.56       | 2.53       | 2.67       |
| No. of gates open                           | Inches open | Flow / gate (m <sup>3</sup> /s) | Temp (°C)  | Date       | Notes      |            |            |            |            |
| 1   | 1x9"        | 15.122                          | 18.0       | 21 Oct     |            |            |            |            |            |
| 1   | 1x9"        | 15.152                          | 19.2       | 22 Oct     |            |            |            |            |            |
| 1   | 1x18"       | 60.346                          | 18.8       | 23 Oct     |            |            |            |            |            |
| 1   | 1x18"       | 60.304                          | 19.0       | 24 Oct     |            |            |            |            |            |
| 2   | 2x18"       | 60.058                          | 19.7       | 25 Oct     |            |            |            |            |            |
| 2   | 2x18"       | 59.646                          | 20.5       | 26 Oct     |            |            |            |            |            |
| 1   | 1x6"        | 10.032                          | 19.1       | 27 Oct     |            |            |            |            |            |

| VAAL DAM @ 06h00                            |  |  | 21 Oct Sat   | 22 Oct Sun   | 23 Oct Mon   | 24 Oct Tue   | 25 Oct Wed   | 26 Oct Thu   | 27 Oct Fri   |
|---|--|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Level (m)                                   |  |  | 21.040       | 21.050       | 21.050       | 21.040       | 21.030       | 21.010       | 20.990       |
| Full (%)                                    |  |  | 82.63        | 82.74        | 82.74        | 82.63        | 82.52        | 82.30        | 82.08        |
| Inflow (m <sup>3</sup> /s)                  |  |  | 20.34        | 21.39        | 22.37        | 22.01        | 33.76        | 34.28        | 24.70        |
| Discharge (m <sup>3</sup> /s)               |  |  | 15.16        | 15.16        | 15.16        | 15.16        | 15.16        | 15.16        | 33.61        |
| 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 abstractions and evaporation losses from Vaal Dam are reflected in the above data