

Drinking Water Quality

- **What does this dashboard relate to?**

The Drinking Water Quality (DWQ) dashboard provides the user with a National, Provincial presentation of Drinking Water Quality over a 12 month period. Drinking Water Quality Compliance comprises out of the following categories: Operational, Microbiological, Chemical & Physical. The compliance figure displayed is calculated based on actual samples taken and the result of tests conducted on South African National Standards: 241 Drinking Water Determinants within these categories. Monitoring compliance is also presented per category based on the number of tests done vs. the required number of tests as per the applicable sample programme.

- **Person(s) who championed the dashboard**

- Mr Rodney Mashele
Water Services: Regulation

- **Enquiries:**

- For all dashboard enquiries click [HERE](#) to go to the Contact Us page.
- **Alternatively** you may reach us by calling or emailing us using the details below:

Department of Water and Sanitation

173 Francis Baard Street

012 336 8459 / 082 654 8363

Or email: NIWIS_Support@dws.gov.za

- **What type/s of questions does the information product aim to answer:**

The product provides the user with a view of the quality of drinking water within a given area in terms of Operational, Microbiological, Chemical & Physical compliance as well as the monitoring compliance for every category. Geographical representation of this data down to the lower level (WSA's) is possible. The WSA view will be a rolled up view of all the WTW (Water Treatment Works)/Water Supply Schemes within the given WSA.

- **Data / Information discussion:**

- Data used to generate the information
 - What data is used?

Data is captured directly (by WSA's/WSP) on the Blue Drop System Website (BDS). Calculations are automated in the BDS Website to determine compliance.

- How is extracted and from where?

The data is extracted via Macro Planning processes and procedures from the Blue Drop System (BDS) database.

- How often is it extracted?





The data is captured and compliances calculated on a daily basis. Data extracts are done on a monthly basis in order to build a 12 month period view.

- Business processes related to the data

N/A

- The algorithms / equations used to convert data into information

BDS calculates the performance grading for presentation purposes based on the following:
Performance Grading:

Color Legend				
Legend				
				
	Microbiological (Health)	Chemical (Health)	Physical Organoleptic	Operational
Excellent	99%	95%	95%	85%
Good	97%	85%	85%	80%
Need Attention	95%	80%	80%	70%
Intervention Required	<95%	<80%	<80%	<70%

- Key assumptions made

That the user has been provided with access to Water Quality Compliance information on a National, Provincial, and municipal area. Data displayed is a reflection of data as entered by WSAs/WTW. Any WSA/WTW not entering information in the BDS will not be represented in NIWIS displayed data.

- **Links to other sources of related information**

- www.dwa.gov.za/Bluedrop
- ws.dws.gov.za/wsk/

- **Are there any limitations / cautions related to using this information?**

Yes, please refer to the below:

Copyright: The copyright of the data/information remains with the Department of Water and Sanitation. This approval to use the data/information cannot be construed as a transfer of copyright.

Usage: All data is supplied free of charge and may not be sold to third parties. The use of information data is restricted to use for academic, research or personal purposes.

Quality: All data is supplied with no expressed or implied warranty as to its suitability for purpose, accuracy or completeness.

Status: Meanwhile data is continuously updated; the data set(s) supplied are already historical on the day of supply.

Acknowledgement: Whenever used in publications or the electronic media, the Department Water and Sanitation is to be mentioned as the proprietor of the relevant copyright.