

Waste Water Treatment Works Authorisation

1. What does this dashboard relate to:

Authorisation status of the Wastewater Treatment Works (WWTW) in South Africa.

2. What's the main purpose of the dashboard?

The purpose is to provide a summary of the authorisation status of the WWTW Nationally and per province.

3. Contacts details of person/s who championed this dashboard:

Karlien de Villiers, reachable on +27 12 336 7547 and Nonto Mtshali, reachable on +27 12 336 7617.

4. What type/s of questions does the information product aim to answer:

The dashboard aims to answer the following questions:

- Number of WWTWs in SA/ Region/ Local Municipality
- Number of WWTWs that are authorised
- Type of authorisation (GA/ Licence/ Permit/ Exemption)
- Whether authorisations are still valid or have expired
- % of authorised and unauthorised WWTWs per region
- Water uses involved in

5. Data / Information discussion:

Data used to generate the information

- **What data is used?**
 - Information provided by Provincial Operations (Regions).
 - Data from Water Use Authorisation and Administration (Letsema).
 - Green Drop Reports.
- **How is it extracted and from where?**
 - Provincial Operations (Regions) verify information on inventory list send to them.
 - Excel spreadsheets provided by Water Use Authorisation and Administration (Letsema).
 - Green Drop Reports as become available.

- **How often is it extracted?**
 - Provincial Operations (Regions) verify information on a **yearly basis**.
 - Data from Water Use Authorisation and Administration (Letsema) is requested on a **monthly basis**
 - Green Drop Reports are available every **second year**.

- **Business Processes related to Data**
 - WMS
 - Green Drop System
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 - The algorithms / equations used to convert data into information
 - Key Assumptions
 - Graphs
 - Summaries of authorisation status per Region

- **The database is updated frequently as we become aware of:**
 - new WWTWs or WWTWs that have been decommissioned
 - the change in authorisation status of the WWTWs

Therefore we need a contact person to send the updated inventory to on maybe a quarterly basis. The real time data is not verified. One has to be cautious when using the data.

6. Are there any limitations / cautions related to using this information?

Yes, please refer to the below :

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