MUNICIPAL INFORMATION
WESTERN CAPE
CONTENTS

- Geographical overview of Water Infrastructure in the Western Cape
- Western Cape Municipal Blue Drop Performance 2010
- Boland
  - Boland Wastewater Treatment Works
    - Boland DM
      - Breede River/Winelands LM
      - Breede Valley LM
      - Drakenstein LM
      - Stellenbosch LM
      - Witzenberg LM
- Central Karoo
  - Central Karoo Wastewater Treatment Works
    - Central Karoo DM
      - Beaufort West LM
      - Laingsburg LM
      - Prince Albert LM
- City of Cape Town
  - City of Cape Town Wastewater Treatment Works
  - City of Cape Town DM
- Eden
  - Eden Wastewater Treatment Works
    - Eden DM
      - Bitou LM
      - George LM
      - Kannaland LM
      - Knysna LM
      - Hessequa LM
      - Mossel Bay LM
      - Oudtshoorn LM
- Overberg
  - Overberg Wastewater Treatment Works
    - Overberg DM
      - Cape Agulhas LM
      - Overstrand LM
      - Swellendam LM
      - Theewaterskloof LM
- West Coast
  - West Coast Wastewater Treatment Works
    - West Coast DM
      - Berg River LM
      - Cederberg LM
      - Matzikama LM
      - Saldanha LM
      - Swartland LM
Geographical overview of the water infrastructure in the Western Cape
Western Cape Municipal Blue Drop Performance 2010

System
- Beaufort West
- Plettenberg Bay
- Nature’s Valley
- Kurland
- City of Cape Town
- Paarl
- Saron
- Hermon
- Gouda
- George
- Karatara
- Stellenbosch
- Ceres
- Prins Alfred Hamlet

WSA
- Beaufort West LM
- Bitou LM
- Bitou LM
- Bitou LM
- City of Cape Town
- Drakenstein LM (+ City of Cape Town)
- Drakenstein LM
- Drakenstein LM (+ City of Cape Town)
- Drakenstein LM (+ West Coast DM)
- George LM
- Knysna LM
- Stellenbosch LM (+ City of Cape Town)
- Witzenberg LM
- Witzenberg LM

Provincial Blue Drop Score: 92.45%
Percentage of Water Service Authorities assessed: 97%

Provincial Top 5 Performers
(Average Institutional scores; calculated from water supply system BD scores weighted according to system output)
- City of Cape Town 98.2%
- Bitou LM 97.7%
- George LM 96.9%
- Stellenbosch LM (+ C.o. Cape Town) 94.9%
- Witzenburg LM 93.3%

Quick Facts
A total of 59 water supply systems were recorded to have water safety plans in place. In total 109 supply systems were assessed in this province. 36 of these plans were found to be on par with international requirements.
Since 77 (70%) water treatment facilities were found to comply with the requirements of Regulation 2834, it would mean that in general the water treatment works in the Western Cape are fairly well-capacitated regarding the skills of process controllers.

There is a need for the improvement of Asset Management practices though since only 66% of these systems had asset registers in place. Since this is fundamental for proper asset management, 34% has been found lacking in this regard.

The compliance figures over the past 12 months were recorded as:

- Microbiological: 98.2%
- Chemical Health: 96.2%
- Physical & Organoleptic: 99.0%

The Western Cape Province proved to have adapted rather well to the Blue Drop requirements since 74% of the municipalities scored 50% or higher. Only 26% scored less than 50% of which 11% (3 municipalities) requires urgent attention. A record 22% (6 municipalities) are classified as Excellent Drinking Water Quality Management Performers.
Boland
Wastewater works: Boland

**Geographical overview of waste water treatment works**

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA Lat Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breede River/Winelands (WC 026)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River - Winelands LM</td>
<td>Breede River - Winelands LM</td>
<td>Ashton WWTW</td>
<td>-33.837999 20.035166</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River - Winelands LM</td>
<td>Breede River - Winelands LM</td>
<td>Bonnievale WWTW</td>
<td>-33.911245 20.110275</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River - Winelands LM</td>
<td>Breede River - Winelands LM</td>
<td>Montague WWTW</td>
<td>-33.796886 20.138423</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River - Winelands LM</td>
<td>Breede River - Winelands LM</td>
<td>Robertson WWTW</td>
<td>-33.817562 19.874805</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River Valley LM</td>
<td>Breede River Valley LM</td>
<td>De Doorns WWTW</td>
<td>-33.478143 19.652279</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River Valley LM</td>
<td>Breede River Valley LM</td>
<td>Rawsonville WWTW</td>
<td>-33.683519 19.327310</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River Valley LM</td>
<td>Breede River Valley LM</td>
<td>Touwsrivier WWTW</td>
<td>-33.346568 20.036801</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breede River Valley LM</td>
<td>Breede River Valley LM</td>
<td>Worcester WWTW</td>
<td>-33.665885 19.451076</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein (WC 023)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein LM</td>
<td>Drakenstein LM</td>
<td>Gouda WWTW</td>
<td>-33.284081 19.031774</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein LM</td>
<td>Drakenstein LM</td>
<td>Paarl WWTW</td>
<td>-33.691728 18.980726</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein LM</td>
<td>Drakenstein LM</td>
<td>Pearl Valley WWTW</td>
<td>-33.806467 18.972582</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein LM</td>
<td>Drakenstein LM</td>
<td>Saron WWTW</td>
<td>-33.203079 19.009114</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakenstein LM</td>
<td>Drakenstein LM</td>
<td>Wellington WWTW</td>
<td>-33.656163 18.975835</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch (WC 024)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch LM</td>
<td>Stellenbosch LM</td>
<td>Franschhoek WWTW</td>
<td>-33.898305 19.094018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Description</td>
<td>Coordinates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>----------------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch</td>
<td>LM Klapmuts WWTW</td>
<td>-33.803356 18.858274</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch</td>
<td>LM Pniel WWTW</td>
<td>-33.902994 18.959001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch</td>
<td>LM Spier WWTW (Eerste River)</td>
<td>-33.974441 18.786483</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellenbosch</td>
<td>LM Stellenbosch WWTW</td>
<td>-33.943996 18.824038</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witzenberg</td>
<td>LM Ceres WWTW</td>
<td>-33.385936 19.319225</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witzenberg</td>
<td>LM Dwarsrivier Prison WWTW</td>
<td>-33.471464 19.206331</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witzenberg</td>
<td>LM Op die Berg WWTW</td>
<td>-33.034973 19.316473</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witzenberg</td>
<td>LM Tulbagh WWTW</td>
<td>-33.284693 33.284693</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witzenberg</td>
<td>LM Wolseley WWTW</td>
<td>-33.423958 19.192863</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Witzenberg (WC 022)**

**WCDMA02 (East of Witzenberg - North of Breede Valley - East of Breede River/Winelands)**
MUNICIPAL CONTACTS: Western Cape: Boland District Municipality

**Boland District Municipality (DC 2)**

<table>
<thead>
<tr>
<th>Tel. No.</th>
<th>Fax No.</th>
<th>Email/Web</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Private Bag X2, Ashton, 6715</td>
</tr>
</tbody>
</table>


**Geographical overview of water infrastructure**

**Documents**

- Assegaaibos Dam, Backsberg Top Dam, Bellair Dam, Ben Etive Dam, Bethal Dam, Ceres Dam, De Rust Road Dam, Eselfontein Dam, Gants Dam, Idas Valley No.1 Dam, Idas Valley No.2 Dam, Jaakkals Dam, Keerom Dam, Kleinplaas Dam, Klipberg Dam, Kromme Rhee Dam, Kwaggaskloof Dam, Lakenvallei Dam, Lanquedoc Dam, Loch Lynne Dam, L’Ormarins Dam, Lushof Dam, Moddervlei Dam, Montagu Dam, Mooiklerd Dam, Nantes Dam, Oudebaaskraal Dam, Patatskloof Dam, Pietersfontein Dam, Plaisente Dam, Poortjieskloof Dam, Prince Alfred Hamlet Dam, Roode Elsberg Dam, Rooifonrein No.2 Dam, Slanggat Dam, Solomons Temple Dam, Tulbagh Storage Dam, Stettynskloof Dam, Swartkop se Dam, Verkeerdevlei Dam, Voëlvlei Dam, Waterval Dam, Wemmershoek Dam

**Waste Water Treatment Works**

**Documents**

- Breede River/Winelands (WC 026)

<table>
<thead>
<tr>
<th>Tel. No.</th>
<th>Fax No.</th>
<th>Email/Web</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>023 615 8000</td>
<td>023 615 1560</td>
<td><a href="mailto:admin@breeland.gov.za">admin@breeland.gov.za</a></td>
<td><a href="http://www.breeland.gov.za/">http://www.breeland.gov.za/</a></td>
</tr>
</tbody>
</table>

**Towns:** Aston, Bonnievale, Goree, Klaas Voogdstrivier, Koo, Le Chasseur, McGregor, Montague, Pietersfontein, Robertson, Sandvliet, Scheepersrus, Sewefontein, Wakkerstroom

**Water tariffs:**

**Geographical overview of water infrastructure**

**Documents**

- Breede River/Winelands (WC 026)

**Waste Water Treatment Works**

**Breede River/Winelands (WC 026)**

<table>
<thead>
<tr>
<th>Tel. No.</th>
<th>Fax No.</th>
<th>Email/Web</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>023 615 8000</td>
<td>023 615 1560</td>
<td><a href="mailto:admin@breeland.gov.za">admin@breeland.gov.za</a></td>
<td><a href="http://www.breeland.gov.za/">http://www.breeland.gov.za/</a></td>
</tr>
</tbody>
</table>

**Towns:** Aston, Bonnievale, Goree, Klaas Voogdstrivier, Koo, Le Chasseur, McGregor, Montague, Pietersfontein, Robertson, Sandvliet, Scheepersrus, Sewefontein, Wakkerstroom

**Water tariffs:**

**Geographical overview of water infrastructure**

**Documents**

- Recycled Water Source: De Rust Road Dam, Eselfontein Dam, Gants Dam, Idas Valley No.1 Dam, Idas Valley No.2 Dam, Jaakkals Dam, Keerom Dam, Kleinplaas Dam, Klipberg Dam, Kromme Rhee Dam, Kwaggaskloof Dam, Lakenvallei Dam, Lanquedoc Dam, Loch Lynne Dam, L’Ormarins Dam, Lushof Dam, Moddervlei Dam, Montagu Dam, Mooiklerd Dam, Nantes Dam, Oudebaaskraal Dam, Patatskloof Dam, Pietersfontein Dam, Plaisente Dam, Poortjieskloof Dam, Prince Alfred Hamlet Dam, Roode Elsberg Dam, Rooifonrein No.2 Dam, Slanggat Dam, Solomons Temple Dam, Tulbagh Storage Dam, Stettynskloof Dam, Swartkop se Dam, Verkeerdevlei Dam, Voëlvlei Dam, Waterval Dam, Wemmershoek Dam

**Blue Drop Score**

- **2009**
  - Average Blue Drop Score: 54.6%
  - Average DWQ Compliance: 99%

**Regulatory Impression:** Incident Preparedness and process controlling are components that require improvement. Of greater concern to the Department is the low level of compliance with the Aluminum levels. It is required that the Municipality prioritize the Aluminum problem through process optimization. (Ref 1)

**BLUE DROP REPORT CARD**

- Breede River Winelands 2009

**Green Drop Score 2009**

- Average Green Drop Score: 50%

**Regulatory Impression:** According to the assessment results, the WWQ management performance of the Breede River Winelands LocalMunicipality, as a whole, is less than satisfactory with substantial effort required in the following areas: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, Regular submission of WWQ information to DWA, WWQ compliance, Management planning relating to the WWTW capacity. A fair amount of improvement is required by the WSA in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)

**GREEN DROP REPORT CARD**

- Breede River Winelands 2009
Breede Valley (WC 025)

Tel. No.  023 348 2600  
Fax No.  023 347 3671

Email/Web Address  Private Bag X3046, Worcester, 6850
Towns:  DeDoorns, De Wet, Hammanshof, Moordkuil, Rawsonville, Stettyn, Touwsrivier, Voorsorg, Worcester

Photo gallery:  Water infrastructure, surface water, ecology, land uses, etc.

Water tariffs:

Geographical overview of waste water treatment works

Documents

Dams:  Brandvlei Dam, Kwegaskloof Dam, Roode Elsberg Dam, Stettynskloof Dam

2010 Municipal Blue Drop Score 2010: 74.0%

Regulatory Impression:  This municipality unfortunately lost its Blue Drop status during the last assessments, mainly due to inability to stay abreast of new developments. The lack of a water safety plan has adversely affected the 2010 performance. This is no major setback since the foundation is there for excellence. Special attention is required regarding the quality of water supply in Touws River.

Water Supply Systems

Blue Drop Performance

2009 Blue Drop Score

- Average Blue Drop Score: 61.5%
- Average DWQ Compliance: 99%

Regulatory Impression:  The Municipality has performed well, especially with regards to the quality compliance of tap water in all 4 water supply systems in its area of jurisdiction. This is regarded as a remarkable feat. However, process controlling skills requirements must be met at 3 of the 4 systems, as well as preparedness for DWQ incidents. (Ref 1)

BLUE DROP REPORT CARD

Breede River Valley 2009

2009 Green Drop Score 2009

- Average Green Drop Score: 33%

Regulatory Impression:  In terms of the overall Green Drop Assessment, the Municipality is performing poorly. Generic improvement areas for all the works are compliance in terms of: Registration and classification of the works as well as the operating staff; Credibility of Wastewater Sample Analysis, WWQ compliance, Management response to Waste Water Failures (except Worcester). A substantial adjustment by the WSA is required in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)

GREEN DROP REPORT CARD

Breede Valley LM 2009

Drakenstein (WC 023)
Regulatory Impression: Every single water supply system improved its score, as well as achieving Blue Drop status for 4 systems, speaks of a remarkable performance. It is trusted that this performance trend will be maintained and that soon more systems under this municipal jurisdiction will obtain this prestigious award. The water quality of the Bainskloof system is reason of concern though but this is more likely indicated as low compliance due to irregular monitoring. A more structured monitoring programme is strongly advised.

Water Supply Systems Blue Drop Performance (Table 1)

Regulatory Impression: Drakenstein Municipality is performing very well, to the extent where the Paarl Mountain water supply is being awarded Blue Drop status. Saron is also very close to achieving similar status. However process controlling skill in Welvanpas and Bainskloof requires attention towards improvement. The unacceptable turbidity levels in the Simondium & Pearl Valley water supply system require improvement to ensure treatment efficiency. (Ref 1)

Stellenbosch (WC 024)

Regulatory Impression: Once again Stellenbosch gave a sterling performance during the Blue Drop assessment. The municipality certainly impressed by the thorough preparation which speaks volumes of it commitment towards drinking water quality management. The compliance figures did not measure well due to the few failures recorded over the assessment cycle, but overall compliance were improved when the bulk provider’s (City of Cape Town) compliance figures were brought into the equation. There remains work to do in this regard on both microbiological and chemical compliance. Even though only slightly so, the municipality could not maintain its Blue Drop status for Franschoek mainly due to compliance records for system not being up to standard.

Geographical overview of waste water treatment works

Documents

Dams: Assegaaibos Dam, Backsberg Top Dam, Idas Valley No.1 Dam, Idas Valley No.2 Dam, Kleinplaas Dam, Kromme Rhee Dam, L’Ormarins Dam

Stellenbosch and Idas Valley

Regulatory Impression: Once again Stellenbosch gave a sterling performance during the Blue Drop assessment. The municipality certainly impressed by the thorough preparation which speaks volumes of it commitment towards drinking water quality management. The compliance figures did not measure well due to the few failures recorded over the assessment cycle, but overall compliance were improved when the bulk provider’s (City of Cape Town) compliance figures were brought into the equation. There remains work to do in this regard on both microbiological and chemical compliance. Even though only slightly so, the municipality could not maintain its Blue Drop status for Franschoek mainly due to compliance records for system not being up to standard.
2009 Blue Drop Score

- Average Blue Drop Score: 94%
- Average DWQ Compliance: 99.4%

**Regulatory Impression:** The Department notes the huge strides Stellenbosch Municipality has made in DWQ Management over the past few years, as well as its involvement in many pioneering projects towards the enhancement of drinking water quality. The exceptional performance in this round of the Blue Drop Certification is therefore not unexpected. However, the need for improvement of process controlling arrangements at the Idas Valley water supply system is essential. Nevertheless, both Paradyskloof and Franschoek systems qualify for Blue Drop Certification. (Ref 1)

**BLUE DROP REPORT CARD**

Stellenbosch 2009

2009 Green Drop Score 2009

- Average Green Drop Score: 53%

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing less than satisfactory. Although most of the works require attention, Wemmershoek WWTW would appear to require more attention than the others. Generic improvement areas for all the works are compliance (terms of: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, Regular submission of WWQ information to DWA, WWQ compliance, Management planning relating to the WWTW capacity (Klapmuts and Wemmershoek)). A substantial adjustment by the WSA is required in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)

**GREEN DROP REPORT CARD**

Stellenbosch LM 2009

---

**Witzenberg (WC 022)**

- Tel. No.: 023 316 1854
- Fax No.: 023 316 1877
- Email/Web: admin@witzenberg.gov.za, http://www.witzenberg.gov.za/
- Address: PO Box 44, Ceres, 6835
- Towns: Bokfontein, Ceres, Endull, La Plaisante, Op-die-Berg, Prince Alfred Hamlet, Romansrivier, Skoonvlei, Tulbagh, Wolseley
- Water tariffs:

**Geographical overview of water infrastructure**

- Dams: Ben Etive Dam, Ceres Dam, De Rust Road Dam, Eselfontein Dam, Jakkals Dam, Lakenvallei Dam, Loch Lynne Dam, Lushof Dam, Moddervallei Dam, Plaisente Dam, Prince Alfred Hamlet Dam, Slanggat Dam, Solomons Temple Dam, Tulbagh Storage Dam, Waterval Dam

**2010 Municipal Blue Drop Score 2010: 93.3%**

**Ceres, Prince Alfred Hamlet**

**Regulatory Impression:** An exceptional 2010 performance by Witzenberg, ensured the illustrious Blue Drop Certification for no less than two water supply systems. The other 3 systems came very close to obtaining the prestigious acknowledgement as well. This is indicative of a concerted effort to improve drinking water quality management to be in line with international best practice. The Department trust that the Municipality will uphold this level of commitment to ensure that the Blue Drop status will be maintained.
Blue Drop Score

- Average Blue Drop Score: 62.4%
- Average DWQ Compliance: 97.16%

Regulatory Impression: Witzenberg Municipality is faring well in its responsibility of drinking water quality management but Process Controlling and Incident Preparedness requires attention. The water supply system of Prince Alfred Hamlet is not up to standard yet though. (Ref 1)

BLUE DROP REPORT CARD

WCDMA02 (East of Witzenberg - North of Breede Valley - East of Breede River/Winelands)

Tel. No.
Fax No.
Email/Web Address
Towns: Avondrust, Bloutoring, Boerboonfontein, Bokrivier, Die Draai, Hoek van die Berg, Jan de Boers, Keeskraal, Kraggasrivier, Lemoenshoek, Nouga, Warmwaterberg
Water tariffs:
Dams: Bellair Dam, Gants Dam, Oudebaaskraal Dam, Rooifonrein No.2 Dam, Swartkop se Dam, Verkeerdevlei Dam

Ref 1 Department Water and Environmental Affairs: Blue Drop Report 2009_ Version 1
Ref 3 Department Water and Environmental Affairs: Green Drop Report 2009_ Version 1
Central Karoo
## Waste water works: Central Karoo

### Geographical overview of waste water treatment works

#### Beaufort West

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaufort West LM</td>
<td>Beaufort West WWTW</td>
<td>-32.38103</td>
<td>22.584485</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaufort West LM</td>
<td>Leeu Gamka WWTW - Approx</td>
<td>-32.777878</td>
<td>21.990553</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaufort West LM</td>
<td>Merweville WWTW - Approx</td>
<td>-32.669134</td>
<td>21.511688</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beaufort West LM</td>
<td>Nelspoort WWTW - Approx</td>
<td>-32.097641</td>
<td>23.016531</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Laingsburg (WC 051)

<table>
<thead>
<tr>
<th>Name</th>
<th>Scheme Code</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laingsburg LM</td>
<td>Laingsburg WWTW</td>
<td>-33.197601</td>
<td>20.827260</td>
<td></td>
</tr>
</tbody>
</table>

#### Prince Albert (WC 052)

<table>
<thead>
<tr>
<th>Name</th>
<th>Scheme Code</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prince Albert LM</td>
<td>Klaarstroom WWTW - Approx</td>
<td>-33.322799</td>
<td>22.528894</td>
<td></td>
</tr>
<tr>
<td>Prince Albert LM</td>
<td>Prince Albert WWTW</td>
<td>-33.198488</td>
<td>22.031013</td>
<td></td>
</tr>
</tbody>
</table>
Central Karoo District Municipality (DC 5)

Tel. No. 023 449 1000
Fax No. 023 414 3675
Email/Web skdm@internext.co.za
Address Private Bag X560, Beaufort West, 6970

Geographical overview of waste water treatment works

Documents

Dams: Doornfontein Dam, Floriskraal Dam, Gamkapoort Dam, Hill Crest Dam, Modderpoort Dam, Ouikloof Dam, Pap Dam, Springfontein Dam, Stolrivier Dam, Vonkfontein Dam

2010 Municipal Blue Drop Score 2010 : 45.6%

Regulatory Impression: A rather courageous effort was noted during the assessment but unfortunately the score only just missed the "pass" mark. There are sufficient areas for improvement as indicated by the report card. The Department trust that the municipality will prepare in advance for the next assessment period in order for an even better score to materialise. The regular failing of microbiological compliance is most disconcerting and tends to put the community at risk. Disinfection improvement is urgently required. In the interim the Department has to alert residents and visitors to Murraysburg to take precautionary measures when drinking water, until such time when the District Municipality can prove sustainable improvement of water supply.

Beaufort West

Tel. No. 023 449 1000
Fax No. 023 414 3675
Email/Web manager@skdm.co.za, http://www.beaufortwestsa.co.za/, bwismun@intelkom.co.za
Address Private Bag X560, Beaufort West, 6970
Towns: Beaufort West, Droërivier, Hillcrest, Leeu-Gamka, Letjiesbos, Nelspoort, Merweville, Renosterkop, Restvale, Rosedene, Wiegnaarspoort

Water tariffs:

Geographical overview of waste water treatment works

Documents

Dams: Doornfontein Dam, Hill Crest Dam, Modderpoort Dam, Pap Dam, Springfontein Dam, Stolrivier Dam, Vonkfontein Dam

2010 Municipal Blue Drop Score 2010 : 83.8%

Regulatory Impression: Beaufort West Local Municipality displayed impressive improvement since the 2009 assessment cycle to the extent where Blue Drop Certification is deservedly allocated to this important Karoo town. The initiation of a water safety planning process is indicative of commitment to transform DWQ management to be in line with global trends. There remains room for improvement, especially regarding the quality of water supply in the Nelsroom system.

Blue Drop Score

- Average Blue Drop Score: 66%
- Average DWQ Compliance: 97.67%
**Regulatory Impression:** The Beaufort West Municipality is performing rather well. The significant improvement in drinking water quality compliance in Merweville and Nelspoort water supply systems is noted. It is required that this improvement is sustained while process controlling is also to be prioritized for improvement. (Ref 1)

**BLUE DROP REPORT CARD**

2009 **Green Drop Score 2009**
- Average Green Drop Score: 43%

**Regulatory Impression:** According to the assessment results, the WWQ management performance of the Beaufort West Local Municipality, as a whole, is relatively poor. This however, is not a true reflection as the scores of the Beaufort West WWTW indicate that it is performing very well. The remainder of the works, Merweville and Nelspoort, are fairly poor, with substantial effort required in most areas. The poor rating could indicate that oxidation ponds are not afforded the same importance as the more formal WWTWs discharging effluent into resources. Generic improvement areas for all the works are compliance in terms of: WWQ Monitoring Programme Efficiency (Merweville and Nelspoort), Credibility of the Waste Water Sample Analysis, Regular submission of WWQ information to DWA, (Merweville and Nelspoort) WWQ compliance, Management response to wastewater failures, (Merweville) and Management planning relating to the WWTW capacity (Nelspoort). It is believed that with some slight adjustments by the WSA, there is a potential for the Beaufort West WWTW to qualify for Green Drop status. A substantial amount of improvement is required by the WSA in relation to the above matters before the two other works would qualify for Green Drop status. (Ref 3)

**GREEN DROP REPORT CARD**

**Laingsburg (WC 051)**
- Tel. No. 023 551 1019
- Fax No. 023 551 1019
- Email/Web Address Private Bag X4, Laingsburg, 6900
- Towns: Bantams, Bavian, Ezelsfontein, Geelbek, Hilandale, Konstabel, Koringplaas, Koup, Laingsburg, Matjiesfontein, Rouxpos, Seweweekspoort, Tweside, Viskuil, Vleifontein, Vleiland, Whitehill
- Water tariffs:

**Geographical overview of waste water treatment works**

**Documents**

**Dams:** Floriskraal Dam

**2010 Municipal Blue Drop Score 2010:** 63.9%

**Regulatory Impression:** The Story of Laingsburg continues. Once again this small municipality has shown that improvement is possible in spite of state of capacity. The Department trust that the municipality will maintain this excellent trend of improvement. The municipality managed to have most of the Blue Drop requirements in place but fell short two. The lack of a water safety plan and actual microbiological quality trend compromised an even higher score. The disinfection processes require attention to ensure the expected improvement in water quality for the next assessment cycle.

**Water Supply Systems Blue Drop Performance**
- **Blue Drop Score**
  - Average Blue Drop Score: 57.6%
  - Average DWQ Compliance: 96.15%

**Regulatory Impression:** The Department notes the commendable improvement Laingsburg municipality has made since the initial assessment in November 2008. It should be noted that Process Controlling; Appropriate Laboratory usage and Incident Preparedness still requires improvement. (Ref 1)
2009  **Green Drop Score 2009**

- Average Green Drop Score: 77%

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing quite well especially if one notes that the relatively high score was achieved at an Oxidation Pond. The site requires improvement in the following areas: Wastewater Quality Monitoring Programme Efficiency, Credibility of Wastewater Sample Analysis, Wastewater Quality Compliance, and Wastewater Treatment Works Capacity. It is believed that with some adjustments by the WSA, in relation to the above matters, there is a potential for the works to qualify for Green Drop status. (Ref 3)

**GREEN DROP REPORT CARD**

Laingsburg LM _ 2009

---

**Prince Albert (WC 052)**

Tel. No. 023 541 1320
Fax No. 023 541 1321
Email/Web pamun@xsinet.co.za
Address Private Bag X53, Prince Albert, 6930
Towns: Dwyka, Klaarstroom, Kruidfontein, Leeu-Gamka, Prince Albert, Prince Albert Road, Seekoeigat
Water tariffs:

- Geographical overview of waste water treatment works
- Documents
- Dams: Gamkapoort Dam, Oukloof Dam

**2010 Municipal Blue Drop Score 2010 : 55.0%**

**Regulatory Impression:** The improvement in Blue Drop performance of this small municipality is laudable and speaks volumes of the commitment that exists to take drinking water quality to the next level. The relatively young team that were subjected to assessment fared rather well under good leadership; this is promising for the future of Prins Albert’s DWQ management abilities. There however remains sufficient room for improvement to prevent any resting on laurels. It is trusted that this report card will be used to gauge future improvements.

**BLUE DROP REPORT CARD**

Prince Albert 2009

---

**2009 Green Drop Score 2009**

- Average Green Drop Score: 18%

**Regulatory Impression:** According to the assessment results, the WWQ management performance of the Prins Albert Local Municipality, as a whole, is poor. This however is not a true reflection as the score of the Prins Albert WWTW would indicate that performance of the works is less than satisfactory. The remainder 2 works, Klaarstroom and Leeu Gamka are exceptionally poor, with substantial effort required in all areas. In the case of Prins Albert WWTW, improvement required relates to the following: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, Credibility of the Wastewater Sample Analysis, Regular submission of WWQ information to DWA, WWQ compliance, Management planning relating to the WWTW capacity. A substantial amount of improvement is required by the WSA in relation to the above matters, before the various works would qualify for the awarding of Green Drop status. (Ref 3)
City of Cape Town
### Waste water works: City of Cape Town

#### Geographical overview of waste water treatment works

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Athlone WWTW</td>
<td>-33.952482 18.512839</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Atlantis WWTW</td>
<td>-33.610491 18.478674</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Belville WWTW</td>
<td>-33.935742 18.653731</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Borcherd's Quarry WWTW</td>
<td>-33.967100 18.586836</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Cape Flats WWTW</td>
<td>-34.082519 18.521888</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Llandudno WWTW</td>
<td>-34.004950 18.342359</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Macassar WWTW</td>
<td>-34.075898 18.766644</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Melkbos WWTW</td>
<td>-33.706239 18.458254</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Mitchells Plain WWTW</td>
<td>-34.065533 18.591163</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Potsdam WWTW</td>
<td>-33.838945 18.521504</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Scottsdene WWTW</td>
<td>-33.871053 18.732847</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Simons Town WWTW</td>
<td>-34.179902 18.423781</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Wildevoelvlei WWTW</td>
<td>-34.131936 18.368377</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Cape Town DM</td>
<td>Zandvliet WWTW</td>
<td>-34.064182 18.746189</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MUNICIPAL CONTACTS: Western Cape: City of Cape Town

**City of Cape Town (CPT)**

- **Tel. No.** 021 400 1111
- **Fax No.** 021 400 1332
- **Email/Web** [http://www.cityofcapetown.com](http://www.cityofcapetown.com)
- **Address** Private Bag X 9181, Cape Town, 8000

-City of Cape Town, Clifton, Claremont, Clovelly, Delft, Durbanville, Eersterivier, Faure, Firgrove, Goodwood, Gordon's Bay, Hout Bay, Khayalitsha, Klipheuwel, Kommetjie, Kraaifontein, Langa, Llandudno, Macassar, Matliand, Mamre, Mandela Bay, Melkbosstrand, Mfeleni, Milnerton, Mitchells Plain, Muizenberg, Noordhoek, Nyanga, Ottery, Paarden Island, Parow, Philippi, Plumstead, Sea Point, Scarborough, Simonstown, Somerset West, St James, Strand, Strandfontein, Tableview, Tokai, Westlake

-Water tariffs:
  - Consumptive Water Tariff Policy
  - Bulk Water Tariff Policy

-Geographical overview of waste water treatment works

-Dam: De Villiers Dam, Hely-Hutchinson Dam, Kleinplaas Dam, Langkloof Lower Dam, Rooiland Dam, Steenbras Dam, Steenbras Upper Dam

-Waste Water Treatment Works

- **2010 Municipal Blue Drop Score 2010: 98.2%**

-City of Cape Town (entire Peninsula)

- **Regulatory Impression:** The City of Cape Town once again impressed with a remarkable performance, scoring second highest to City of Johannesburg by a slight fraction of a percentage point. Certainly a world class drinking water quality management outfit and therefore thoroughly deserves the Blue Drop Certification for a second year in succession.

-Water Supply Systems

- **Blue Drop Performance (Table 1)**

- **2009 Blue Drop Score**
  - Average Blue Drop Score: 100%
  - Average DWQ Compliance: 99%

- **Regulatory Impression:** The City of Cape Town is doing a sterling job of managing drinking water quality in its area of jurisdiction. It is remarkable that process controlling at all of its 13 water treatment facilities are up to standard and therefore the Department can assure that served communities can have confidence in the safeness of tap water as well as the manner in which the quality thereof is being managed. Blue Drop status has been obtained. (Ref 1)

- **BLUE DROP REPORT CARD**

- City of Cape Town 2009

- **2009 Green Drop Score 2009**
  - Average Green Drop Score: 82%

-Cape Flats, Llandudno, Macassar, Melkbosstrand, Mitchells Plain, Oudekraal, Parow, West Fleur
**Regulatory Impression:** As can be seen, overall WWQ management performance of the Cape Town Metro Municipality is very good. Of the 23 WWTWs, 8 achieved scores equal or higher than 90%. These were the Cape Flats, Llandudno, Macassar, Melkbosstrand, Mitchell’s Plain, Oudekraal, Parow and West Fleur WWTWs—these WWTWs qualify for Green Drop Status. It can however, be noted that all of the works, including the above, require further improvement in terms of ensuring that the works are registered and that the relevant document proof is readily available. The remainder of the WWTWs still requires more improvement, specifically in relation to WWQ compliance, and WWTW capacity building and planning. (Ref 3)

**GREEN DROP REPORT CARD**

<table>
<thead>
<tr>
<th>City of Cape Town 1</th>
<th>2009</th>
<th>City of Cape Town 2</th>
<th>2009</th>
<th>City of Cape Town 3</th>
<th>2009</th>
<th>City of Cape Town 4</th>
<th>2009</th>
</tr>
</thead>
</table>

Ref 1 *Department Water and Environmental Affairs: Blue Drop Report 2009 Version 1*
Ref 3 *Department Water and Environmental Affairs: Green Drop Report 2009 Version 1*
Eden
### Waste water works: Eden

#### Geographical overview of waste water treatment works

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bitou LM</td>
<td>Kurland WWTW</td>
<td>-34.035650</td>
<td>23.366989</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bitou LM</td>
<td>Plettenberg Bay - Hartenbos WWTW</td>
<td>-33.954099</td>
<td>23.497296</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>George LM</td>
<td>Gwaing WWTW</td>
<td>-33.995678</td>
<td>22.423940</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>George LM</td>
<td>Harolds Bay WWTW</td>
<td>-34.054513</td>
<td>22.380984</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>George LM</td>
<td>Kleinkrantz WWTW</td>
<td>-34.005733</td>
<td>22.667115</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>George LM</td>
<td>Outeniqua WWTW</td>
<td>-34.006343</td>
<td>22.463603</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Kannaland LM</td>
<td>Calitzdorp WWTW</td>
<td>-33.521452</td>
<td>21.661434</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Kannaland LM</td>
<td>Ladismith WWTW</td>
<td>-33.509473</td>
<td>21.294454</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Kannaland LM</td>
<td>Zoar WWTW</td>
<td>-33.488415</td>
<td>21.473201</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knysna LM</td>
<td>Brenton WWTW</td>
<td>-34.069742</td>
<td>23.032037</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knysna LM</td>
<td>Karatara WWTW</td>
<td>-33.923298</td>
<td>22.833677</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knysna LM</td>
<td>Knysna WWTW</td>
<td>-34.047766</td>
<td>23.071571</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knysna LM</td>
<td>Rheenenendal-Petro WWTW</td>
<td>-33.952304</td>
<td>22.928484</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Knysna LM</td>
<td>Sedgefield - Hartenbos WWTW</td>
<td>-34.027630</td>
<td>22.827899</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Albertinia WWTW</td>
<td>-34.195254</td>
<td>21.588250</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Gouritzmond WWTW</td>
<td>-34.342008</td>
<td>21.868441</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Heidelberg WWTW</td>
<td>-34.104495</td>
<td>20.973634</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Riversdale WWTW</td>
<td>-34.113083</td>
<td>21.281222</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Slangrivier WWTW</td>
<td>-34.144769</td>
<td>20.865518</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hessequa LM</td>
<td>Stilbaai WWTW</td>
<td>-34.391612</td>
<td>21.412764</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Town</td>
<td>Coordinates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------</td>
<td>-------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hessequa LM WWTW</td>
<td></td>
<td>-34.387073 20.821736</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay (WC 034)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.045002 22.063106</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-33.958928 22.141785</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.060415 22.185597</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.017195 21.779307</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.110786 22.101319</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.192768 22.077069</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-33.916793 22.035674</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mossel Bay LM WWTW</td>
<td></td>
<td>-34.307502 21.900028</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oudtshoorn (WC 045)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oudtshoorn LM WWTW</td>
<td></td>
<td>-33.497767 22.507538</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oudtshoorn LM WWTW</td>
<td></td>
<td>-33.586785 22.407774</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oudtshoorn LM WWTW</td>
<td></td>
<td>-33.809652 22.232450</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WCDMA04 (North of Oudtshoorn (WC 045))</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MUNICIPAL CONTACTS: Western Cape: Eden District Municipality

Eden District Municipality (DC 4)

Tel. No. 044 803 1300
Fax No. 044 874 6626
Email/Web admin@edendm.co.za
Address PO Box 12, George, 6530

Albertinia, Askraal, Avontuur, Barrington, Bergplaas, Blaano, Brandrivier, Brandwag, Brenton-on-Sea, Buffels Bay, Buffelsdrif, Calitzdorp, Dana Bay, Dickop, De Rust, Die Wug, Droëvlakte, Dysselsdorp, George, Groenfontein, Groot Jongensfontein, Goursosmond, Groot Brak River, Groottkraal, Haarlem, Hartenbos, Heidelberg, Herbertsdaile, Herold, Herolds Bay, Hondewater, Hoopvol, Johnson's Post, Karatara, Kareevlakte, Keurboomsrivier, Klein Brakrivier, Kleinplaat, Kruisrivier, Kruin Roete Dam, Mellville Dam, Miertjieskraal Dam, Prinsrivier Dam, Raubenheimer Dam, Stompdrift Dam, Swart River Dam, Wolwedans Dam, Zandfontein Dam

Towns:

Extended Towns:

Water tariffs:

Geographical overview water infrastructure

Dams:

Algunst Dam, Calitzdorp Dam, Duiwenshokrivier Dam, Ernst Robertson Dam, Hartebeeskuil Dam, Kammanassie Dam, Klipheuwel Dam, Kruin Roete Dam, Melville Dam, Mellville Dam, Miertjieskraal Dam, Prinsrivier Dam, Raubenheimer Dam, Stompdrift Dam, Swart River Dam, Wolwedans Dam, Zandfontein Dam

Waste Water Treatment Works

2010 Municipal Blue Drop Score 2010 : 23.5%

Regulatory Impression: Only a slight improvement is recorded but not sufficient to instil confidence. There is serious reason for concern since the performance is indicative of a low commitment level to drinking water quality management in the areas the District Municipality is taking responsibility for. This is most unfortunate especially since the Department is lauding the Environmental Health Practitioner work done by the DM within the drinking water quality business of other Local Municipalities in the area.

Water Supply Systems Blue Drop Performance

Blue Drop Score

- Average Blue Drop Score: 11%
- Average DWQ Compliance: 90% (Based on one system)

Regulatory Impression: Drastic and urgent improvement of DWQ management in both water supply systems are required to ensure that the communities could trust that continued safe water is supplied to them. (Ref 1)

BLUE DROP SCORE CARD

Bitou (WC 047)

Tel. No. 044 501 3000
Fax No. 044 533 6161; 044 533 3485
Email/Web tnqolo@plett.gov.za; www.plett.gov.za
Address Private Bag 1002, Plettenberg Bay, 6600

Water tariffs:

Geographical overview water infrastructure

Dams:

2010 Municipal Blue Drop Score 2010 : 97.7%

Regulatory Impression: Another exceptional Blue Drop performance is recorded by Bitou Local Municipality. The incredible performance during the assessment warrants the allocation of the prestigious award to all three water supply systems. The Department trust that the municipality will continue this performance to maintain its Blue Drop status in years to come. Most noteworthy of this performance was the effort by this small municipality to draft their own water safety plan without specialist assistance. This is most commendable and serves as motivation to other municipalities that good and effective water safety plans could be drafted by those who know their systems best.
**Water Supply Systems**

**Blue Drop Performance**

*2009 Blue Drop Score*

- Average Blue Drop Score: **96.78%**
- Average DWQ Compliance: **99%**

*Regulatory Impression:* The Municipality is performing very well and has managed to ensure Blue Drop status for the water supply system of Plettenberg Bay. Nature’s Valley also scored within the limits for certification, however due to the current state of treatment infrastructure subsequent to flooding, it has been decided not to issue Blue Drop Status at this point in time. The municipal officials’ commitment to DWQ Management and treatment is commendable. *(Ref 1)*

**BLUE DROP SCORE CARD**

*Bitou 2009*

---

*2009 Green Drop Score 2009*

- Average Green Drop Score: **78%**

*Regulatory Impression:* In terms of the overall Green Drop Assessment, the Municipality is performing quite well. Most of the works scored well above 70%. The WWTWs still require more improvement in relation to WWQ compliance. Kurland WWTW must improve on Operational Monitoring of WWQ. *(Ref 3)*

**GREEN DROP REPORT CARD**

*Bitou LM 2009*

---

**George (WC 044)**

- **Tel. No.:** 044 801 9111
- **Fax No.:** 044 873 3776
- **Email/Web:** post@george.org.za
- **Address:** PO Box 19, George, 6530
- **Towns:** Bergplaas, Blanco, George, Herold, Herolds Bay, Kleinplaats, Pacaltsdorp, Rondevlei, Victoria Bay, Wilderness
- **Water tariffs:**

  - [Geographical overview of water infrastructure](#)

  - [Documents](#)

- **2010 Municipal Blue Drop Score 2010:** **96.9%**

*Regulatory Impression:* In spite of increased Blue Drop requirements for 2010, George Local Municipality maintained an excellent performance and thereby retained its Blue Drop Certification for the George supply system. The municipality certainly adapted well and scored an impressive “A” for both Asset Management and Water Safety Planning. With slight adjustments at the Wilderness supply system, especially the actual water quality, the certification prospect is not far fetched. Urgent attention is required from a chemical compliance perspective in this system.
**2009 Blue Drop Score**

- Average Blue Drop Score: **100%**
- Average DWQ Compliance: **99%**

**Regulatory Impression:** A classic example of exceptional drinking water quality management. The municipality is encouraged to proceed setting the benchmark. (Ref 1)

**BLUE DROP SCORE CARD**

George_2009

---

**2009 Green Drop Score 2009**

- Average Green Drop Score: **94%**

**Outeniqua, Kleinkrantz**

**Regulatory Impression:** As can be seen, the overall WWQ management performance of George Municipality is very good. Out of the 3 WWTWs assessed, 2 achieved scores of 100%. These were the Outeniqua and Kleinkrans WWTWs. These WWTWs qualify for Green Drop Status. Gwaing still requires more improvement, specifically in relation to WWQ compliance. (Ref 3)

**GREEN DROP REPORT CARD**

George LM _ 2009

---

**Kannaland (WC 041)**

- Tel. No. 028 551 1023/4
- Fax No. 028 551 1766
- Email/Web info@kannaland.co.za
- Address PO Box 30, Ladismith, 6855
- Towns: Brandrivier, Calitzdorp, Groenfontein, Hondewater, Kareevlakte, Kruisrivier, Ladismith, Matjiesvlei, Oosgam, Plathuis, Van Wyksdorp, Zoar
- Water tariffs:

**Geographical overview of water infrastructure**

**Documents**

**Dams:** Calitzdorp Dam, Prinsrivier Dam

**2010 Municipal Blue Drop Score 2010 : 19.4%**

**Regulatory Impression:** It is encouraging that this under-resourced municipality managed to record improvement during the last assessment. This is however not according to expectation; therefore the Department would urge Municipal Management to prioritise drinking water quality management improvement.

**Water Supply Systems**

**Blue Drop Score**

- Average Blue Drop Score: **11.92%**
- Average DWQ Compliance: **83.9%**

**Regulatory Impression:** There is a serious need for drastic improvement of overall DWQ Management. It is important that decision makers within this municipality prioritize the enhancement of DWQM before all could have complete trust that safe tap water will be supplied continuously. (Ref 1)

**BLUE DROP SCORE CARD**
### 2009 Green Drop Score 2009

- **Average Green Drop Score:** 15%

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing poorly. Generic improvement areas for all the works are compliance in terms of: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, Regular submission of WWQ information to DWA, WWQ compliance, Management response to Waste Water Failures, and Management planning relating to the WWTW capacity. A substantial adjustment by the WSA is required in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)

### GREEN DROP REPORT CARD

**Kannaland**

**2009**

- **Green Drop Score:** 15%

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing poorly. Generic improvement areas for all the works are compliance in terms of: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, Regular submission of WWQ information to DWA, WWQ compliance, Management response to Waste Water Failures, and Management planning relating to the WWTW capacity. A substantial adjustment by the WSA is required in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)

### Knysna (WC 048)

- **Tel. No.** 044 302 6300
- **Fax No.** 044 302 6333
- **Email/Web** knysna@knysna.gov.za, http://www.knysna.gov.za
- **Address** PO Box 21, Knysna, 6570
- **Towns:** Barrington, Brenton-on-Sea, Buffels Bay, Karatara, Knysna, Sedgefield

**Water tariffs:**

- **Geographical overview of water infrastructure**
- **Documents**

### 2010 Municipal Blue Drop Score 2010: 75.2%

**Karatara**

**Regulatory Impression:** Knysna Local Municipality once again impressed during the Blue Drop assessments; reasonably high scores were obtained which is indicative of commitment levels to drinking water quality management. A well deserved Blue Drop Certification was obtained for the water supply system of Karatara. All the systems have in place what is required to manage according to the Blue Drop requirements, however acceptable in stead of excellent microbiological water quality is generally distributed. Chemical quality also requires attention. Once this has been dealt with, more Blue Drop systems can be expected.

**Water Supply Systems**

- **Blue Drop Performance** (Table 1)
- **Blue Drop Performance** (Table 2)

### 2009 Blue Drop Score

- **Average Blue Drop Score:** 91.6%
- **Average DWQ Compliance:** 99%

**Regulatory Impression:** The Knysna Municipality is managing its water supply systems with distinction since all scored exceptionally well. The Department of Water Affairs and Forestry is urging the municipality to give serious attention to the slightly elevated Aluminum levels in some of its systems as soon as possible. This, as well as the water security challenges in Sedgefield prevents the Department to be at liberty to award Blue Drop status to this qualifying water supply system at this stage. (Ref 1)
**2009 Green Drop Score 2009**

- Average Green Drop Score: **76%**

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing quite good as most of the works scored well above 70%. Generic improvement areas for all the works are compliance in terms of:

  - Registration and classification of the works
  - Registration and classification of operating staff (Rheenendal & Brenton)
  - WWQ compliance

It is believed that with some slight adjustments by the WSA, in relation to the above matters, there is a potential for the various works to qualify for Green Drop status. (Ref 3)

---

**Hessequa (WC 042)**

**Tel. No.** 028 713 2418  
**Fax No.** 028 713 3146  
**Email/Web** [riversdale@ezinet.co.za](mailto:riversdale@ezinet.co.za)  
**Address** Private Bag 29, Riversdale, 6670  
**Towns:** Albertinia, Askraal, Brandrivier, Droëvlakte, Groot Jongensfontein, Gouritsmond, Heidelberg, Langberg, Malgas, Niekerksheik, Port Beaufort, Rietvisskraal, Riversdale, Strawberry Hill, Stil Bay East, Stil Bay West, Vermaaklikheid, Vleidam, Witsand

**Water tariffs:**  
[Geographical overview of water infrastructure](#)  
[Documents](#)  
**Dams:** [Duiwenshokrivier Dam](#), [Korinte Vet Dam](#), [Miertjieskraal Dam](#), [Zandfontein Dam](#)

**2010 Municipal Blue Drop Score 2010 : 46.2%**

**Regulatory Impression:** Except for the Heidelberg system where Blue Drop Certification is eminent, the rest of the systems (especially Stil Bay, Jongensfontein and Gouritzmond) are not managed according to expectation. The report card serves as guide as to where improvement is required. The Department and receiving communities would appreciate it if the municipality could prove its commitment to drinking water quality management by at least performing the basic improvements that might not require massive capital input. The performance of the Heidelberg water supply system is most encouraging. Unacceptable Chemical compliance (as well as irregular data submission) prevented it from achieving the prestigious Blue Drop Award.

**Mossel Bay (WC 034)**

**Tel. No.** 044 606 5000  
**Fax No.** 044 606 5062
2010 Municipal Blue Drop Score 2010 : 84.5%

Regulatory Impression: The Mossel Bay Municipality made tremendous in-roads towards achieving Blue Drop status and this has resulted in a significant improvement on the scores obtained during the previous assessment. The Department trust that the Authority will build upon this most promising performance during the next assessment cycle. The evident concerted effort is indicative of the desired commitment to be seen in DWQ management. It is however required that regular DWQ data submission occurs at the required intervals. Monitoring programmes must be amended to include regular operational monitoring and the relevant compliance monitoring at the required frequencies. The implementation of the water safety plan should assist in this process.

Blue Drop Score

- Average Blue Drop Score: 33.5%
- Average DWQ Compliance: 96.2%

2009 Green Drop Score 2009

- Average Green Drop Score: 12%

Regulatory Impression: According to the assessment results, the WWQ management overall performance of the Mosselbay Local Municipality is poor. Although the Regional Mosselbaai WWTW scored an A on the criteria for Process Control, and PiniclePoint, Groot Brak and Fremersheim scored a B on the same criteria, all other criteria had unsatisfactory scores. A substantial amount of improvement is required by the WSA before the various works would qualify for Green Drop status. (Ref 3)
Geographical overview of water infrastructure

Documents

Dams: Kammanassie Dam, Mellville Dam, Raubenheimer Dam, Stompdrift Dam

2010 Municipal Blue Drop Score 2010 : 44.8%

Regulatory Impression: Even though a fairly good performance during the Blue Drop assessment resulted in the enhancement of Oudtshoorn Local Municipality’s perceived level of commitment towards drinking water quality management, a “pass” mark could not be obtained. This would be largely due to a total disregard towards the requirement to provide the Department with DWQ information to allow for performance monitoring as per Section 62 of the Water Services Act. Of utmost concern would be the persistent recurring microbiological failures. It is therefore unfortunate that the Department are compelled to inform residents and visitors that due to regular bacteriological failures, they should take precautionary measures when consuming drinking water in Oudtshoorn. This “Adverse Water Quality Alert” should be maintained until such time when the municipality can prove its commitment to sustain a safe water supply.

Water Supply Systems

Blue Drop Performance

WCDMA04 (North of Oudtshoorn (WC 045))

Tel. No.
Fax No.
Email/Web
Address
Towns: Avontuur, Buffelsdrif, Daskop, Die Vlug, Haarlem, Koutjie, Molenrivier, Noll, Speelmanskraal, Uniondale, Zaaimansdal

Water tariffs:

Dams:

Ref 1 Department Water and Environmental Affairs: : Blue Drop Report 2009. Version 1
Ref 3 Department Water and Environmental Affairs: : Green Drop Report 2009. Version 1
Overberg
## Waste water works: Overberg

**Geographical overview of waste water treatment works**

### Cape Agulhas (WC 033)

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cape Agulhas LM</td>
<td></td>
<td>Bredasdorp WWTW</td>
<td></td>
<td>34.546446</td>
<td>20.059850</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cape Agulhas LM</td>
<td></td>
<td>Napier WWTW</td>
<td></td>
<td>34.457427</td>
<td>19.891652</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cape Agulhas LM</td>
<td></td>
<td>Struisbaai WWTW</td>
<td></td>
<td>34.773767</td>
<td>20.035784</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cape Agulhas LM</td>
<td></td>
<td>Waenhuiskrans WWTW</td>
<td></td>
<td>34.673536</td>
<td>20.220860</td>
<td></td>
</tr>
</tbody>
</table>

### Overstrand (WC 032)

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overstrand LM</td>
<td></td>
<td>Gansbaai WWTW</td>
<td></td>
<td>34.591699</td>
<td>19.345216</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overstrand LM</td>
<td></td>
<td>Hawston WWTW</td>
<td></td>
<td>34.374909</td>
<td>19.128080</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overstrand LM</td>
<td></td>
<td>Hermanus WWTW</td>
<td></td>
<td>34.427581</td>
<td>19.207968</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overstrand LM</td>
<td></td>
<td>Kleinmond WWTW</td>
<td></td>
<td>34.341915</td>
<td>18.986433</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overstrand LM</td>
<td></td>
<td>Stanford WWTW</td>
<td></td>
<td>34.441731</td>
<td>19.449124</td>
<td></td>
</tr>
</tbody>
</table>

### Swellendam (WC 034)

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Swellendam LM</td>
<td></td>
<td>Barrydale WWTW</td>
<td></td>
<td>33.910540</td>
<td>20.706460</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swellendam LM</td>
<td></td>
<td>Buffelsjag WWTW</td>
<td></td>
<td>34.052819</td>
<td>20.522043</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swellendam LM</td>
<td></td>
<td>Kliprivier WWTW</td>
<td></td>
<td>34.037868</td>
<td>20.419988</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swellendam LM</td>
<td></td>
<td>Koornland WWTW</td>
<td></td>
<td>34.044202</td>
<td>20.428941</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Swellendam LM</td>
<td></td>
<td>Suurbraak WWTW</td>
<td></td>
<td>34.002171</td>
<td>20.637795</td>
<td></td>
</tr>
</tbody>
</table>

### Theewaterskloof (WC 031)

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Botrivier WWTW</td>
<td></td>
<td>34.233753</td>
<td>19.206377</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Caledon WWTW</td>
<td></td>
<td>34.202390</td>
<td>19.386541</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Genadendal WWTW</td>
<td></td>
<td>34.052951</td>
<td>19.585707</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Grabouw WWTW</td>
<td></td>
<td>34.157654</td>
<td>19.020512</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Greyton WWTW</td>
<td></td>
<td>34.063961</td>
<td>19.601201</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Riviersonderend WWTW</td>
<td></td>
<td>34.137367</td>
<td>19.923992</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theewaterskloof LM</td>
<td></td>
<td>Villiersdorp WWTW</td>
<td></td>
<td>33.998257</td>
<td>19.294799</td>
<td></td>
</tr>
</tbody>
</table>
MUNICIPAL CONTACTS: Western Cape: Overberg District Municipality

Overberg District Municipality (DC3)

Tel. No. 028 425 1157  Fax No. 028 425 1014  Email/Web info@odm.org.za  http://www.odm.org.za

Address Private Bag X22, Bredasdorp, 7280


Water tariffs:  
Tariff policy
Geographical overview of water infrastructure

Dams: Arieskraal Dam, Basil Newmark Dam, Boskloof Dam, Brickfield Dam, Buffelsrivers Dam, Drostenes Dam, Elandskloof Dam, Greymead Dam, Grookloof Dam, Kogelberg Dam, Kromme Dam, Lorraine Dam, Meerlust Dam, Moreson Dam, Mosselrivier Dam, Nuweberg Dam, Rheeboksraal Dam, Rockview Dam, Saddle Dam, Sunnyside Dam, Theewaterskloof Dam, Three Oaks Dam, Twasafontein Dam, Waterval Dam

Cape Agulhas (WC 033)

Tel. No. 028 425 1919  Fax No. 028 425 1019  Email/Web bredmun@intekom.co.za

Address PO Box 51, Bredasdorp, 7280

Agulhas, Arniston, Asfontein, Bredasdorp, Die Mond, Elandspad, Elim, Fairfield, Hotagterklip, Klipdale, Kykolog, Molschop, Napier, Protea, Rypspunt, Skipskop, Soutkloof, Struisbaai, Vogelvlei, Waenhuiskrans

Water tariffs:  
Tariff Policy
Geographical overview of water infrastructure

Dams:  

2010 Municipal Blue Drop Score 2010 : 78.6%

Regulatory Impression: It is rather disappointing that general digress are noted; largely because of failure to comply with requirements for water safety plans and asset management. If these two elements receive attention, there is little to no reason why the Blue Drop status cannot be rightfully restored

Overstrand (WC 032)

Tel. No. 028 313 8000  028 313 8004  Fax No. 028 312 1894  Email/Web jkoekemoer@overstrand.gov.za

Address PO Box 20, Hermanus, 7200

Albertyn, Baardskeerdersbos, Betty’s Bay, Die Dam, Die Kelders, Fisherhaven, Hangklip, Hawston, Hermanus, Gans Bay, Kleinbaai, Kleinmond, Onrus, Papiersvlei, Pearly Beach, Pringle Bay, Ratelrivier, Rooiels, Sandy’s Glen, Silvanders, Stanford, Sunny Seas Estate, Vermont, Viljoenshoek

Water tariffs:  
Tariff Policy 2009
Geographical overview of water infrastructure

Dams: Mosselrivier Dam

2010 Municipal Blue Drop Score 2010 : 71.6%

Regulatory Impression: A significant improvement has been noted which is most impressive since performance in at least one system came close to certification. This can serve as foundation for future performances. The effort to get a very good Water Safety Plan is both commendable and encouraging for similar sized municipalities. However the municipality is urged to give special attention to the water quality in Kleinmond Baardskeerdsbos and Pearly Beach. Improvement is required in microbiological quality (which might mean disinfection must be improved) as well as chemical content in Baardskeerdsbos.
Blue Drop Score

2009

- Average Blue Drop Score: 42.5%
- Average DWQ Compliance: 98.2%

Regulatory Impression: While Overstrand Municipality is displaying an ability to provide tap water which complies with the health parameters of the national standard, improvement is required in DWQ management in its entirety to ensure that the supply of safe tap water be sustained. The water services authority can take encouragement out of the good performance of Hermanus. (Ref 1)

GREEN DROP REPORT CARD

2009

Green Drop Score 2009

- Average Green Drop Score: 63%

Regulatory Impression: According to the assessment results, the WWQ management performance of the Overstrand Local Municipality, as a whole, is satisfactory. The aspects which required attention is: Registration and classification of the works as well as the operating staff, and WWQ compliance. Once these aspects are effectively addressed, there is a potential for the works being awarded Green Drop Status in future. (Ref 3)

Swellendam (WC 034)

Tel. No. 028 514 1100
Fax No. 028 514 2694
Email/Web bothat@swellenmun.co.za
Address PO Box 20, Swellendam, 6740
Towns: Akkerboom, Albertina, Askraal, Barrydale, Buffelsjagrivier, Heidelberg, Infanta-on-River, Malgas, Ouplaas, Riversdale, Stormsvlei, Suurbraak, Swellendam, Vleiplaas, Witsand, Wydgelei
Water tariffs: Tariffs

Geographical overview of water infrastructure

Documents

Dams: Buffelsjags Dam, Grootkloof Dam, Rheeboksraal Dam

2010 Municipal Blue Drop Score 2010 : 67.3%

Regulatory Impression: Swellendam did very well over the assessment period and would've certainly be considered for excellent improvement recognition should this municipal systems have been subjected to assessments in 2009. But looking forward there is sufficient reason to be optimistic/positive. The report card indicates areas for improvement though.

Water Supply Systems Blue Drop Performance

Theewaterskloof (WC 031)

Tel. No. 028 214 3300
Fax No. 028 214 1289
2010 Municipal Blue Drop Score 2010: 49.0%

Regulatory Impression: It is unfortunate that Theewaterskloof had a less impressive performance recorded in 2010 to the extent where Blue Drop certification for Caledon could not be retained. (However Caledon remained the best performing water supply system.) The Municipality can also take courage out of the improvement recorded in Villiersdorp. This report card indicates numerous areas where improvement is required.

2009 Blue Drop Score

- Average Blue Drop Score: 67.24%
- Average DWQ Compliance: 96.6%

Regulatory Impression: The Municipality is performing very well and has managed to ensure Blue Drop status for the water supply system of Caledon. The process controlling of all systems requires drastic improvement while drinking water quality compliance figures of Genadedal, Voorstekraal, Greyton and Villiersdorp requires urgent attention to ensure the required enhancement. (Ref 1)

2009 Green Drop Score 2009

- Average Green Drop Score: 30%

Regulatory Impression: According to the assessment results, the WWQ management performance of the Theewaterskloof Local Municipality, as a whole, is poor with substantial effort required in the following areas: Registration and classification of the works as well as the operating staff, WWQ Monitoring Programme Efficiency, WWQ compliance, Management response to wastewater failures and Management planning relating to the WWTW capacity. A substantial amount of improvement is required by the WSA in relation to the above matters, before the various works would qualify for Green Drop status. (Ref 3)

Ref 1 Department Water and Environmental Affairs: Blue Drop Report 2009 Version 1
Ref 3 Department Water and Environmental Affairs: Green Drop Report 2009 Version 1
West Coast
Waste water works: West Coast

**Geographical overview of waste water treatment works**

<table>
<thead>
<tr>
<th>WSA Code</th>
<th>WSA Name</th>
<th>Scheme Code</th>
<th>Scheme Name</th>
<th>Component Name</th>
<th>CMA</th>
<th>Lat</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td>Berg River (WC 013)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berg River</td>
<td>Eendekuil</td>
<td>-32.95838</td>
<td>18.872351</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berg River</td>
<td>Piketberg</td>
<td>-32.897426</td>
<td>18.77537</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berg River</td>
<td>Porterville</td>
<td>-33.012276</td>
<td>18.976299</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berg River</td>
<td>Velddrif</td>
<td>-32.776168</td>
<td>18.172840</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg (WC 012)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Citrusdal</td>
<td>-32.581975</td>
<td>18.998666</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Clanwilliam</td>
<td>-32.168752</td>
<td>18.880181</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Doringbaai</td>
<td>-31.821278</td>
<td>18.243585</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Elandsbaai</td>
<td>-32.304605</td>
<td>18.354198</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Graafwater</td>
<td>-32.173471</td>
<td>18.595188</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Koekenaap</td>
<td>-31.518414</td>
<td>18.296059</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Lambertsbaai</td>
<td>-32.104098</td>
<td>18.330658</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Strandfontein</td>
<td>-31.758472</td>
<td>18.237263</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cederberg</td>
<td>Varnhynsdorp</td>
<td>-31.600512</td>
<td>18.760200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matzikama (WC 011)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Doringbaai</td>
<td>-31.821278</td>
<td>18.243585</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Ebennaeser</td>
<td>-31.608041</td>
<td>18.247577</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Klawer WWTW</td>
<td>-31.770885</td>
<td>18.634103</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Koekenaap</td>
<td>-31.518414</td>
<td>18.296059</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Strandfontein</td>
<td>-31.758472</td>
<td>18.237263</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Varnhynsdorp</td>
<td>-31.600512</td>
<td>18.760200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>Vredendal</td>
<td>-31.645002</td>
<td>18.523288</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MatZikama</td>
<td>North WWTW</td>
<td>-31.687651</td>
<td>18.488566</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha (WC 014)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Hopefield</td>
<td>-33.052763</td>
<td>18.340147</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location 1</td>
<td>Location 2</td>
<td>Latitude</td>
<td>Longitude</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>------------------</td>
<td>------------</td>
<td>------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Langebaan</td>
<td>-33.066007</td>
<td>18.063295</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Laingville</td>
<td>-32.782803</td>
<td>18.073649</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Paternoster</td>
<td>-32.812331</td>
<td>17.903961</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Saldanha</td>
<td>-32.985075</td>
<td>17.964784</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Shelley Point</td>
<td>-32.715177</td>
<td>17.968405</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vredenburg</td>
<td>WWTW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saldanha</td>
<td>Vredenburg</td>
<td>-32.914192</td>
<td>18.046727</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Swartland (WC 015)**

<table>
<thead>
<tr>
<th>Location 1</th>
<th>Location 2</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swartland</td>
<td>Chatsworth</td>
<td>-33.540976</td>
<td>18.597148</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Darling</td>
<td>-33.355220</td>
<td>18.383404</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Kalbaskraal</td>
<td>-33.572058</td>
<td>18.636355</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Malmesbury</td>
<td>-33.469705</td>
<td>18.718662</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Moorreesburg</td>
<td>-33.130833</td>
<td>18.655292</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>PPC</td>
<td>-33.321876</td>
<td>18.854729</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Riebeeck</td>
<td>-33.387138</td>
<td>18.929255</td>
</tr>
<tr>
<td>LM</td>
<td>Kasteel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swartland</td>
<td>Riebeeck West</td>
<td>-33.349046</td>
<td>18.880276</td>
</tr>
<tr>
<td>LM</td>
<td>WWTW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MUNICIPAL CONTACTS: Western Cape: West Coast

West Coast District Council (DC 1)

Tel. No. 022 433 8400
Fax No. 022 433 8484
Email/Web westcoastdm@wcdm.co.za / http://www.westcoastdm.co.za/
Address PO Box 242, Morreerbus, 7310


Photo gallery: Water infrastructure, surface water, ecology, land-uses, etc.

Water tariffs:
- Geographical overview of water and waste water treatment works
- Documents
- Dams: Bulshoek Dam, Clanwilliam Dam, Misverstand Dam, Moutons Valley Dam, Porterville Dam, Sandlaagte Dam
- Waste Water Treatment Works

2010 Municipal Blue Drop Score 2010: 60.43%

Regulatory Impression: It is unfortunate that the performance over this assessment cycle was not sufficient to retain Blue Drop status for the water supply system of Bitterfontein. This was largely due to an inability to adapt to new requirements introduced and inadequate compliance records.

Water Supply Systems
Blue Drop Performance

2009 Blue Drop Score

- Average Blue Drop Score: 92%
- Average DWQ Compliance: 99%

Regulatory Impression: During the assessment the municipality proved excellent performance. The public can have full confidence in the manner drinking water quality is being managed in the town of Bitterfontein. (Ref 1)

BLUE DROP REPORT CARD

West Coast District - Bitterfontein 2009

Berg River (WC 013)

Tel. No. 022 913 1126
Fax No. 022 913 1380
Email/Web bergmun@telkomsa.net
Address PO Box 60, Piketberg, 7320


Water tariffs:
- Geographical overview of waste water treatment works
- Documents
- Dams: Misverstand Dam, Moutons Valley Dam, Porterville Dam, Sandlaagte Dam

2010 Municipal Blue Drop Score 2010: 62.7%

Regulatory Impression: While the 2010 performance is satisfactory, the recorded digress is most unfortunate. It is perceived that not much progressive steps were taken during the year to remain in line with the Blue Drop development.
Water Supply Systems  
Blue Drop Performance
(Table 1)

Blue Drop Score

- Average Blue Drop Score: 60.7%
- Average DWQ Compliance: 94.3%

Regulatory Impression: The Department notes the satisfactory performance of the Berg River Municipality but would urge the authority to prioritise the improvement in Piketberg and Redelinghuys water supply systems. The good performance of the Velddrif system brings it quite close the category for Blue Drop Certification. (Ref 1)

BLUE DROP REPORT CARD

Berg River - 2009

2009  Green Drop Score 2009

- Average Green Drop Score: 11%

Regulatory Impression: According to the assessment results, the WWQ management performance of the Bergrivier Local Municipality, as a whole, is very poor. A substantial amount of improvement is required by the WSA before the various works would qualify for Green Drop status. (Ref 3)

GREEN DROP REPORT CARD

Berg River LM _ 2009

Cederberg (WC 012)

Tel. No. 027 482 8000
Fax No. 027 482 1933
Email/Web admin@cederbergraad.co.za
Address Private Bag X2, Clanwilliam, 8135
Towns: Cederberg, Citrusdal, Clanwilliam, Doringbos, Elands Bay, Graafwater, Heerenlogement, Lamberts Bay, Leipoldtville, Paleisheuwel, Ratelefontein, Sandberg, Wolfhuis, Wuppertal

Photo gallery: Water infrastructure, surface water, ecology, land-uses, etc.

Water tariffs: 

Geographical overview of water and waste water treatment works

Documents

Back to top

Dams

Bulshoek Dam, Clanwilliam Dam

2010  Municipal Blue Drop Score 2010: 60.0%

Regulatory Impression: The Cederberg Blue Drop performance for 2010 can be described as satisfactory. The quality of water is within the Acceptable range; with some improvement it could improve to the Excellent range and that would benefit the Blue Drop scoring tremendously. There is also a need for Incident Management preparedness and water safety planning.

Water Supply Systems  
Blue Drop Performance
(Table 1)

Blue Drop Score

- Average Blue Drop Score: 58.6%
- Average DWQ Compliance: 96.6%

Regulatory Impression: The DWQ management performance of Cederberg Municipality is satisfactory; however improvement is required to be adequately prepared for DWQ related incidents. Process Controlling in Clanwilliam, Graafwater and Citrusdal is also of concern, while disinfection optimization is required in Lamberts Bay and Elands Bay. With slight adjustments the municipality should be obtaining Blue Drop status in Citrusdal and Leipoldtville during the next
2009 Green Drop Score 2009

- Average Green Drop Score: 3%

*Regulatory Impression:* According to the assessment results, the WWQ management performance of the Cederberg Local Municipality, as a whole, is very poor. Substantial improvement effort is required in all the areas. DWA acknowledges that most of the systems are oxidation ponds, with only Citrusdal and Clanwilliam discharging effluent to the river. (Ref 3)

---

Matzikama (WC 011)

Tel. No. 027 201 3300
Fax No. 027 213 3238
Email/Web headoff@matzikamamun.co.za  munman@matzikamamun.co.za
Address PO Box 98, Vredendal, 8160
Towns: Doringbaai, Grootdrif, Klawer, Koekenaap, Landplaas, Lutzville, Papendorp, Spruitdrif, Strandfontein, Trawal, Vanrhynsdorp, Vredendal

*Photo gallery:* Water infrastructure, surface water, ecology, land-uses, etc.

*Water tariffs:* [Geographical overview of water and waste water treatment works](#)

---

2010 Municipal Blue Drop Score 2010 : 30.1%

*Regulatory Impression:* A slight improvement was detected but not as much as expected. It is trusted that the municipality will adhere to the shortcomings indicated on this report card and that the results of a concerted improvement effort will be evident during the next reporting cycle.

---

Blue Drop Score

- AverageBlueDropScore: 10%
- AverageDWQCompliance: *Not available*

*Regulatory Impression:* There is a serious need for urgent and drastic improvement. The performance of the Matzikama Municipality does not instill any confidence with DWAF on its drinking water quality management abilities at present. (Ref 1)

---

BLUE DROP REPORT CARD
2009 Green Drop Score 2009

- Average Green Drop Score: 0%

**Regulatory Impression:** According to the assessment results, the WWQ management performance of the Matzikama Local Municipality, as a whole, is very poor. None of the assessment criteria were met. All the WWTWs are in critical status and require a full intervention to address all aspects of wastewater management. A substantial amount of improvement is required by the WSA before the various works would qualify for Green Drop status. The fact that most of the systems are oxidation ponds, should not deter the municipality to improve the performance of the systems. (Ref 3)

GREEN DROP REPORT CARD

**Matzikama LM 2009**

**REGULATORY IMPRESSION:**

According to the assessment results, the WWQ management performance of the Matzikama Local Municipality, as a whole, is very poor. None of the assessment criteria were met. All the WWTWs are in critical status and require a full intervention to address all aspects of wastewater management. A substantial amount of improvement is required by the WSA before the various works would qualify for Green Drop status. The fact that most of the systems are oxidation ponds, should not deter the municipality to improve the performance of the systems. (Ref 3)

**GREEN DROP REPORT CARD**

Matzikama LM 2009

**Saldanha (WC 014)**

Tel. No. 022 701 7000
Fax No. 022 715 1518
Email/Web mun@saldanhabay.co.za, http://www.saldanhabay.co.za
Address Private Bag X12, Vredenburg, 7380.
Towns: Hopefield, Langebaan, Langebaanweg, Louwville, Paternoster, Saldanha, St Helena Bay, Stompeus Bay, Veiddfir, Vredenburg
Photo gallery: Water infrastructure, surface water, ecology, land-uses, etc.

**Geographical overview of waste water treatment works**

Documents

2010 Municipal Blue Drop Score 2010 : 80.8%

**Regulatory Impression:** A very good Blue Drop score was obtained and with minor adjustments certification cannot be afar off. The lack of a water safety plan, as well as the 10 sample failures in May 2009 (which severely compromised compliance figures), unfortunately counted against the possibility of a more favourable score. There is hope for an improved performance in 2010.

**Water Supply Systems**

**Blue Drop Performance**

**Blue Drop Score**

- Average Blue Drop Score: 57.75%
- Average DWQ Compliance: 96.5%

**Regulatory Impression:** The reasonable performance of the municipality is encouraging; the served communities could therefore have a fair amount of trust in the management abilities of the municipality to ensure safe drinking water. However it is required that process controlling is improved. (Ref 1)

BLUE DROP REPORT CARD

Saldanha 2009

2009 Green Drop Score 2009

- Average Green Drop Score: 59%

**Regulatory Impression:** In terms of the overall Green Drop Assessment, the Municipality is performing less than satisfactory. All the works require attention. Generic improvement areas are compliance in terms of: Registration and classification of the works as well as the operating staff (Except Saldanha Bay), WWQ Monitoring Programme Efficiency (Only Paternoster), Credibility of WW Sample Analysis (Except Saldanha Bay and Shelly Point), WWQ compliance, WasteWater Failures Response Management (Except Saldanha Bay and Langebaan), and Management planning relating to the WWTW capacity (Except Saldanha Bay, Paternoster and Langebaan). Saldanha Bayand Langebaan’s performances are good and there is potential that the works might be awarded Green Drop status in the near future. A substantial adjustment by the WSA is required on the other works in relation to the above matters before the various works would qualify for Green Drop status. (Ref 3)
Swartland (WC 015)

Tel. No. 022 482 2996
Fax No. 022 487 9440
Email/Web riversdale@ezinet.co.za
Address Private Bag X52, Malmesbury, 7300
Towns: Abbotsdale, Darling, Kolbaskraal, Koringberg, Malmesbury, Moorreesburg, Ongegund, Oupos, Riebeeck-Kasteel, Riebeeck-Wes, Rust, Yzerfontein

Water tariffs:

Geographical overview of waste water treatment works

Documents

2010 Municipal Blue Drop Score 2010 : 68.6%

Regulatory Impression: Swartland Local Municipality (with assistance from bulk provider, West Coast DM) performed very well over the assessment period, which resulted into a considerable improvement since the last assessment. This bade well for future Blue Drop performances but then serious attention should be given to the chemical compliance of water as supplied by West Coast DM.

Water Supply Systems Blue Drop Performance

2009 Green Drop Score 2009

- Average Green Drop Score: 75%

Regulatory Impression: In terms of the overall Green Drop Assessment, the Swartland Local Municipality is performing quite good and scored well above 70%. Improvement areas include: WQ Compliance Monitoring, Waste Water Sample analysis, Waste Water Quality compliance, and Long term planning to ensure sufficient capacity for collector systems. It is believed that with some adjustments by the WSA, in relation to the above matters, there is a good potential for the works to qualify for Green Drop status. (Ref 3)

GREEN DROP REPORT CARD

Saldanha LM1 2009  Saldanha LM2 2009

Ref 1 Department Water and Environmental Affairs: Blue Drop Report 2009_ Version 1
Ref 3 Department Water and Environmental Affairs: Green Drop Report 2009_ Version 1