

Eastern Cape

Kouga Local Municipality

Supply System Drinking Water Quality Performance Report

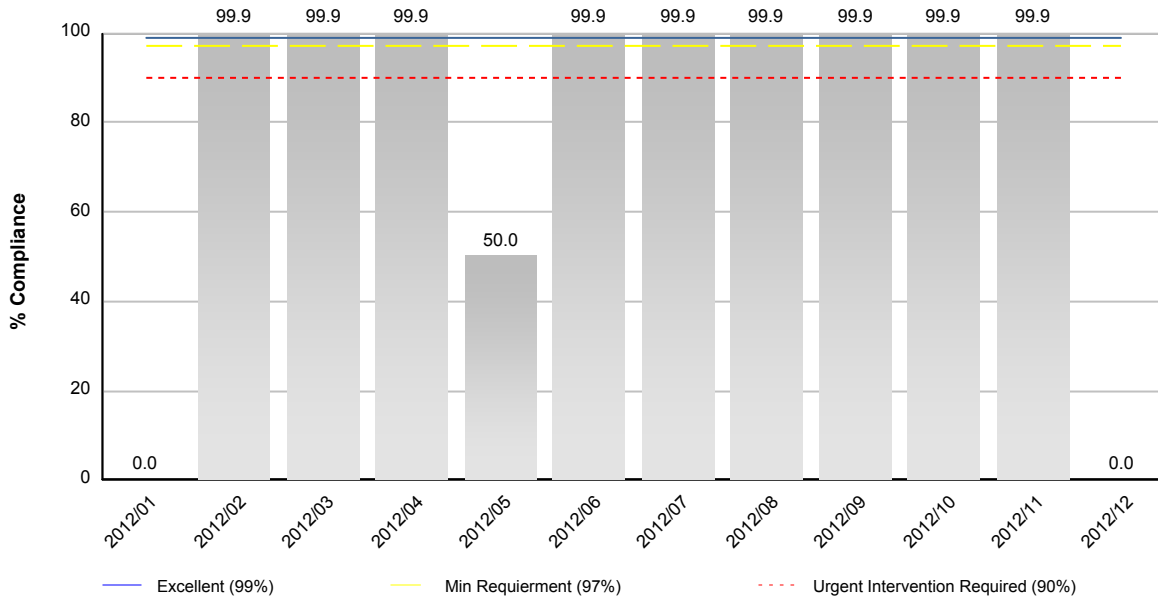
December 2012

Supply : Hankey

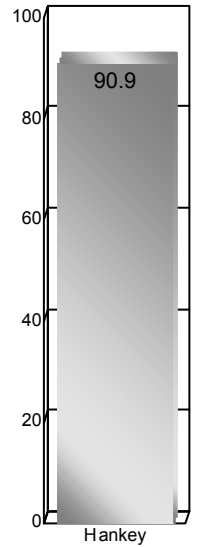
Town of Hankey & surrounding community

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%
February 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
March 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
April 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
May 2012	2	4	100.00%	4	2	0	99.90%	50.0%	100.00%
June 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
July 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
August 2012	2	2	100.00%	3	0	0	99.90%	99.9%	100.00%
September 2012	1	1	100.00%	1	0	0	50.00%	99.9%	100.00%
October 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
November 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
December 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

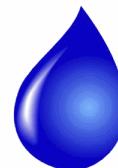
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

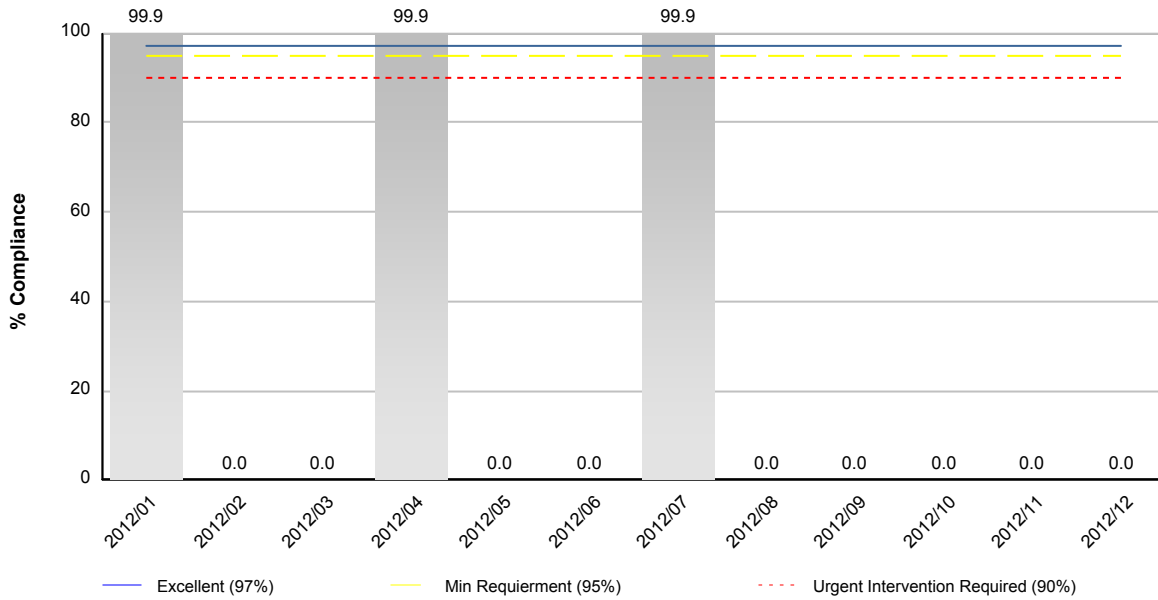
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Hankey

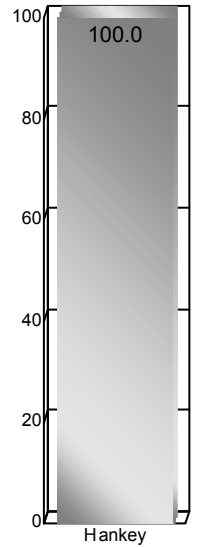
Town of Hankey & surrounding community

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	10	0	0	62.50%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
April 2012	2	2	N/A	10	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	15	0	0	87.50%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

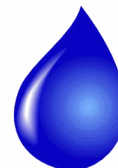
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

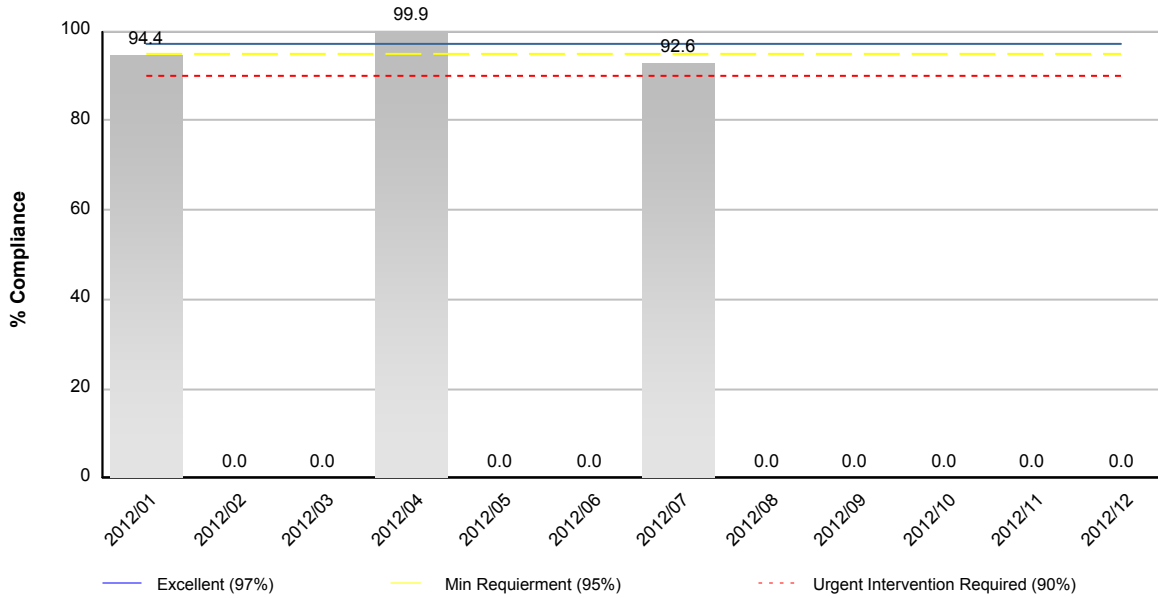
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Hankey

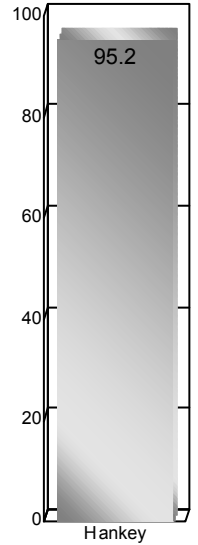
Town of Hankey & surrounding community

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	18	1	0	62.50%	94.4%	0.00%
February 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
April 2012	2	2	N/A	18	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	27	2	0	87.50%	92.6%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

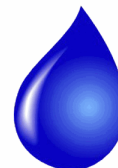
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

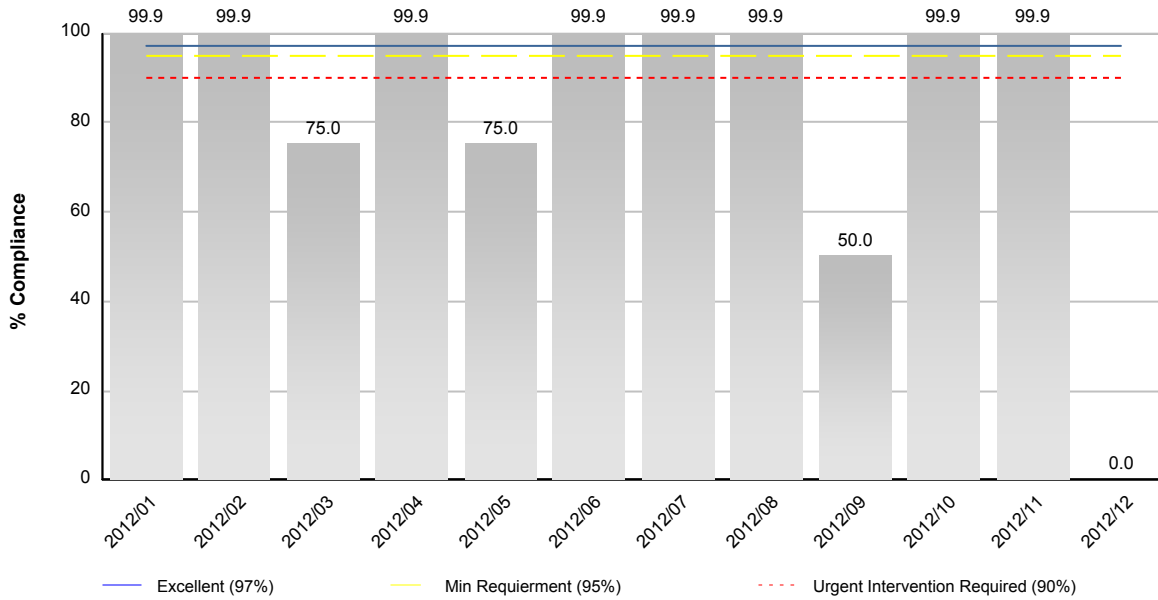
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Hankey

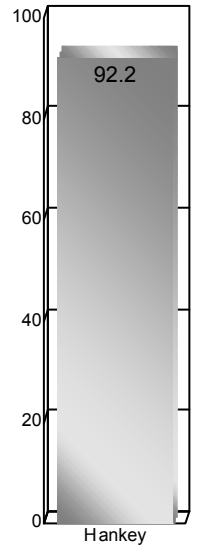
Town of Hankey & surrounding community

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	2	0	0	25.00%	99.9%	0.00%
February 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
March 2012	2	2	N/A	4	1	0	45.00%	75.0%	100.00%
April 2012	2	4	N/A	6	0	0	55.00%	99.9%	66.67%
May 2012	2	4	N/A	8	2	0	45.00%	75.0%	100.00%
June 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
July 2012	2	4	N/A	7	0	0	55.00%	99.9%	57.14%
August 2012	2	2	N/A	6	0	0	55.00%	99.9%	100.00%
September 2012	1	1	N/A	2	1	0	45.00%	50.0%	100.00%
October 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
November 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
December 2012	0	0	N/A	0	0	0	35.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

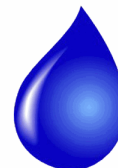
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

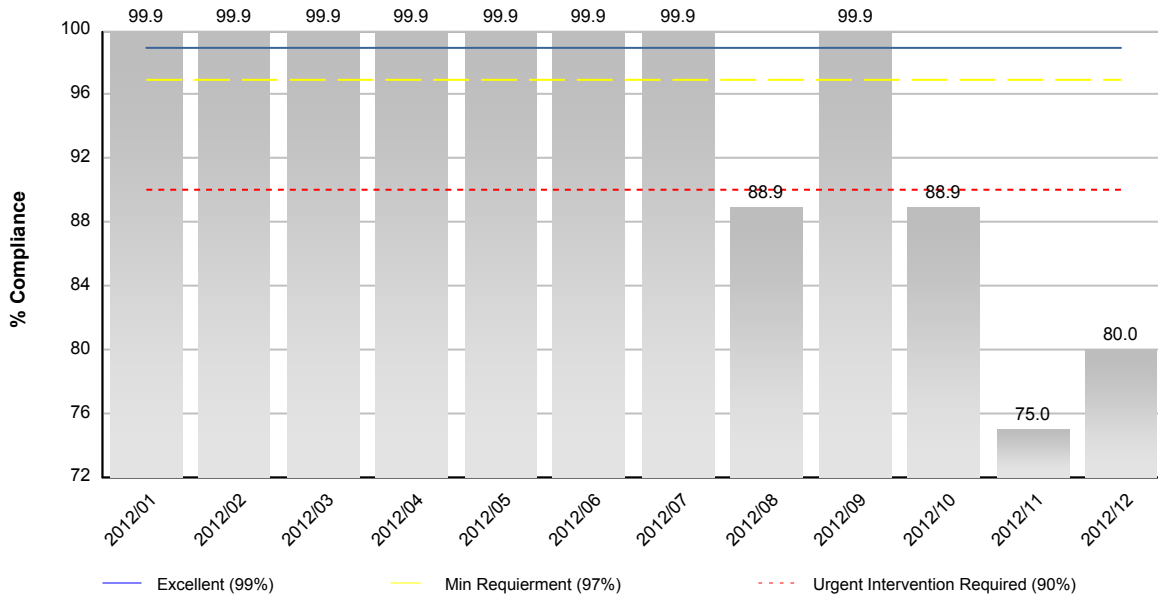
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Humansdorp

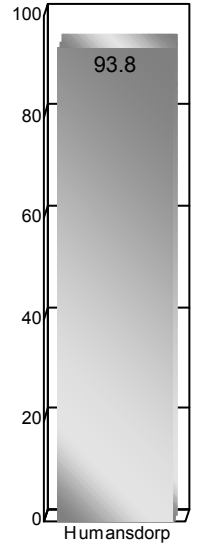
Humansdorp Town, Acardia, Kruisfontein, Vaaldam, Moeras, Kwa - Nomzamo

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	7	7	100.00%	7	0	0	85.71%	99.9%	100.00%
February 2012	8	8	100.00%	8	0	0	99.90%	99.9%	100.00%
March 2012	7	7	100.00%	7	0	0	85.71%	99.9%	100.00%
April 2012	8	8	100.00%	8	0	0	99.90%	99.9%	100.00%
May 2012	8	8	100.00%	8	0	0	99.90%	99.9%	100.00%
June 2012	8	8	100.00%	8	0	0	99.90%	99.9%	100.00%
July 2012	8	8	100.00%	8	0	0	99.90%	99.9%	100.00%
August 2012	7	8	100.00%	9	1	0	85.71%	88.9%	100.00%
September 2012	7	7	100.00%	7	0	0	85.71%	99.9%	100.00%
October 2012	8	9	100.00%	9	1	0	99.90%	88.9%	100.00%
November 2012	8	8	100.00%	8	2	1	99.90%	75.0%	100.00%
December 2012	8	10	100.00%	10	2	0	99.90%	80.0%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

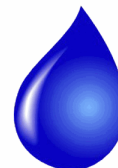
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

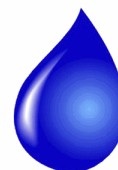
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Failure Details					
Moeras Tap					
11-Dec-12	E.coli	201.00	count/100ml	J MADATT National Health Laboratory Services (PE)	Blom, Nomfundo 0
Vaaldam Tap					
11-Dec-12	E.coli	101.00	count/100ml	J MADATT National Health Laboratory Services (PE)	Blom, Nomfundo 0
2 Failures					



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

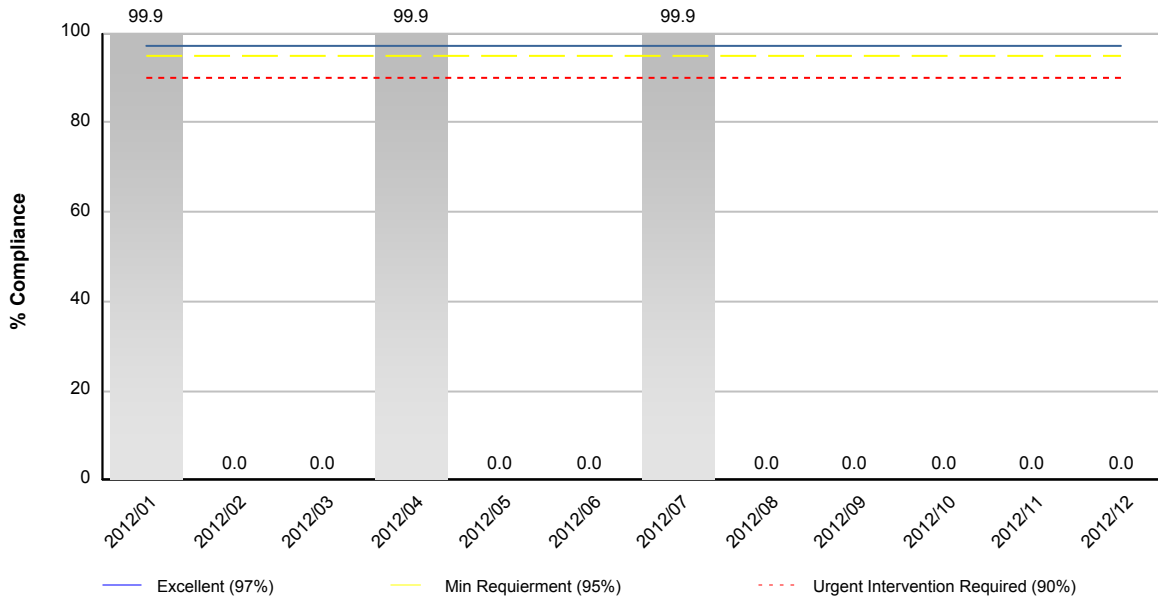
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Humansdorp

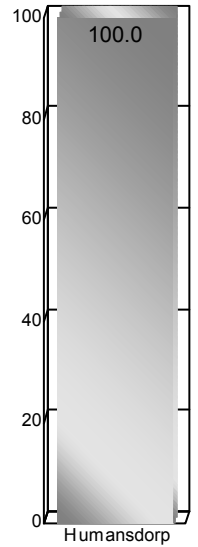
Humansdorp Town, Acardia, Kruisfontein, Vaaldam, Moeras, Kwa - Nomzamo

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	8	8	N/A	40	0	0	99.90%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	7	7	N/A	35	0	0	96.88%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	71.88%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	71.88%	0.0%	0.00%
July 2012	8	9	N/A	50	0	0	96.88%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	96.88%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	96.88%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

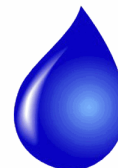
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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

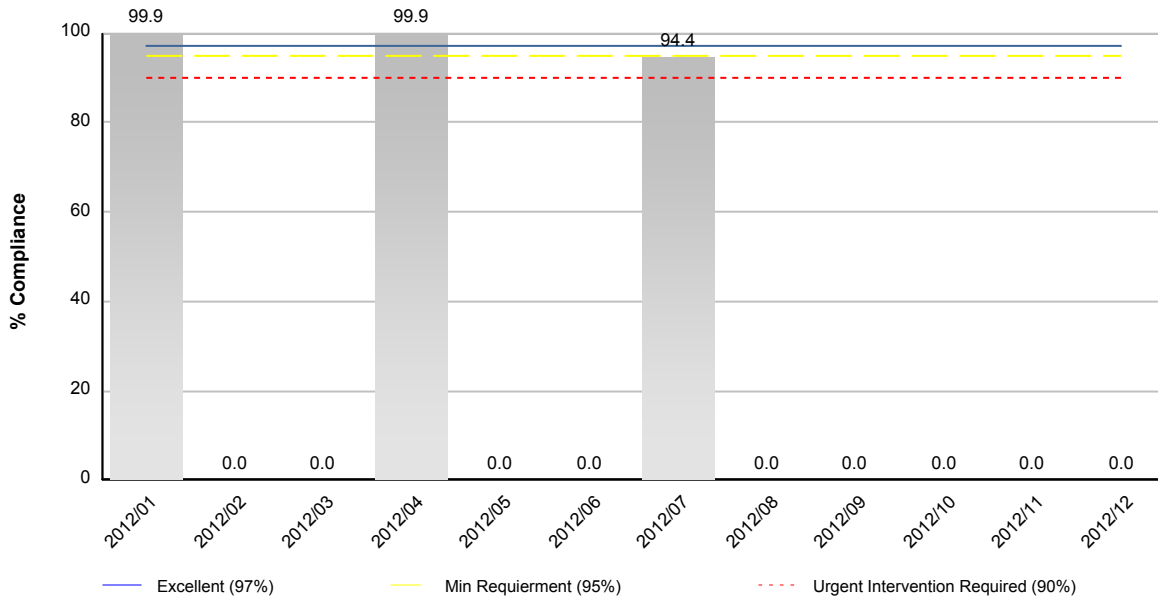
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Humansdorp

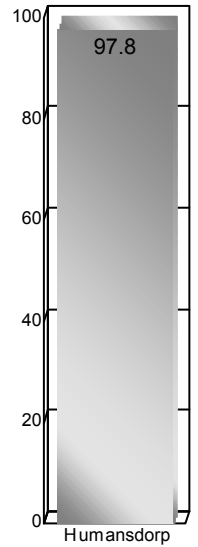
Humansdorp Town, Acardia, Kruisfontein, Vaaldam, Moeras, Kwa - Nomzamo

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	8	8	N/A	72	0	0	99.90%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	7	7	N/A	63	0	0	96.88%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	71.88%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	71.88%	0.0%	0.00%
July 2012	8	9	N/A	90	5	0	96.88%	94.4%	0.00%
August 2012	0	0	N/A	0	0	0	96.88%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	96.88%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	78.13%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

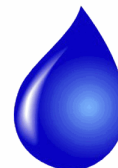
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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

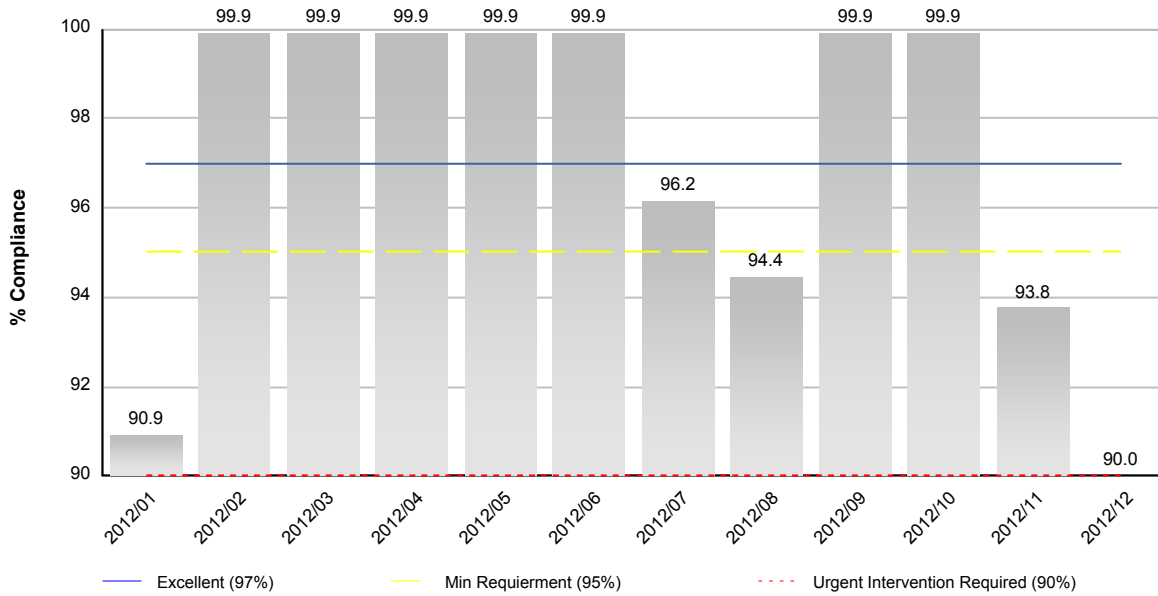
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Humansdorp

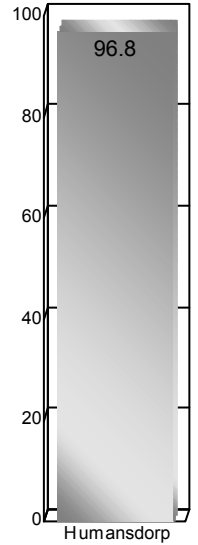
Humansdorp Town, Acardia, Kruisfontein, Vaaldam, Moeras, Kwa - Nomzamo

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	8	15	N/A	22	2	1	56.41%	90.9%	63.64%
February 2012	8	8	N/A	16	0	0	48.72%	99.9%	100.00%
March 2012	7	7	N/A	14	0	0	46.15%	99.9%	100.00%
April 2012	8	15	N/A	23	0	0	57.69%	99.9%	69.57%
May 2012	8	8	N/A	16	0	0	47.44%	99.9%	100.00%
June 2012	8	8	N/A	16	0	0	47.44%	99.9%	100.00%
July 2012	8	17	N/A	26	1	0	57.69%	96.2%	61.54%
August 2012	7	8	N/A	18	1	0	55.13%	94.4%	100.00%
September 2012	7	7	N/A	14	0	0	55.13%	99.9%	100.00%
October 2012	8	9	N/A	18	0	0	50.00%	99.9%	100.00%
November 2012	8	8	N/A	16	1	0	50.00%	93.8%	100.00%
December 2012	8	10	N/A	20	2	0	50.00%	90.0%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

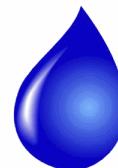
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

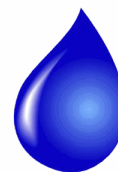
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Failure Details					
Moeras Tap					
11-Dec-12	Total Coliforms	201.00	count per 100 ml	J MADATT National Health Laboratory Services (PE)	Blom, Nomfundo 0
Vaaldam Tap					
11-Dec-12	Total Coliforms	201.00	count per 100 ml	J MADATT National Health Laboratory Services (PE)	Blom, Nomfundo 0
2 Failures					



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

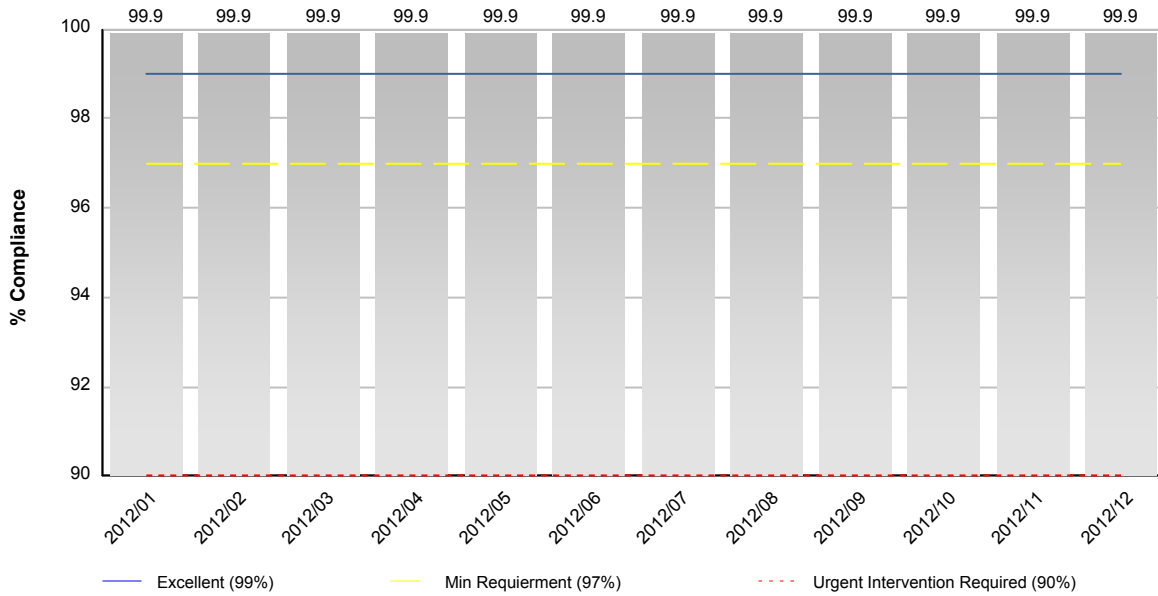
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Jeffreys Bay

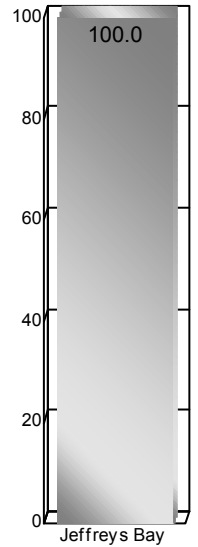
Kabeljous, Wavecrest, C - Place, Ocean View, Pellsrus, Jeffreysbay Central, Madiba Bay , Jeffrey's

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
February 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
March 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
April 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
May 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
June 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
July 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
August 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
September 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
October 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
November 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%
December 2012	9	9	100.00%	9	0	0	99.90%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

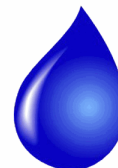
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

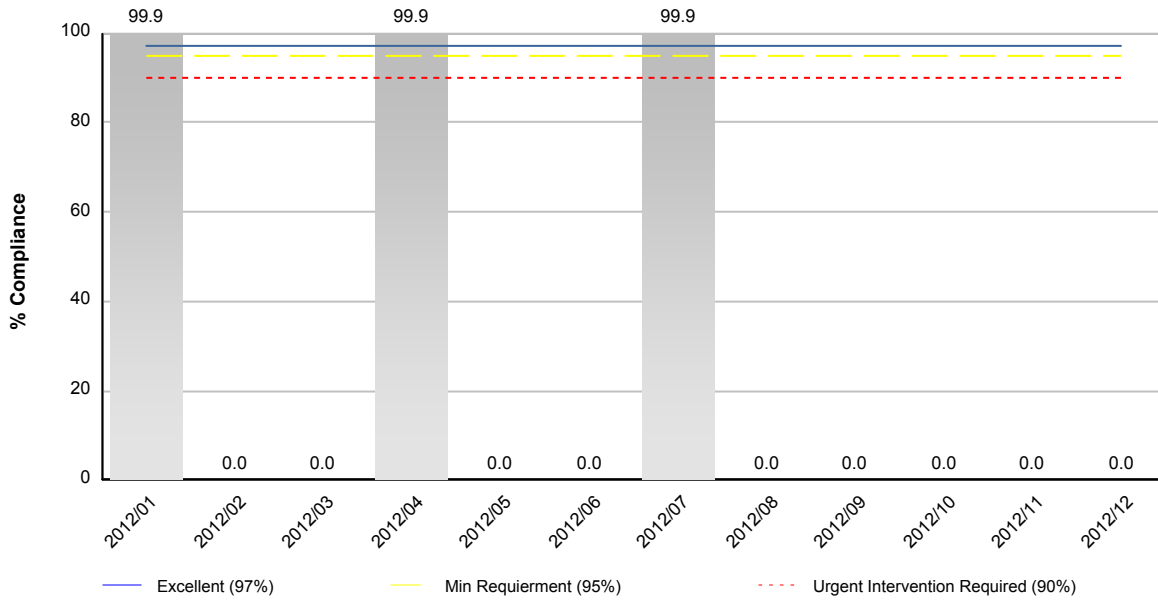
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Jeffreys Bay

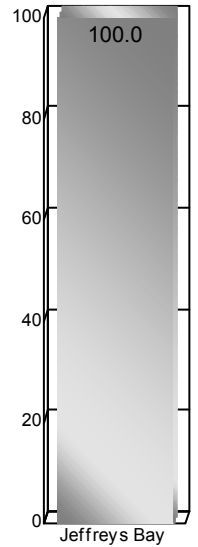
Kabeljous, Wavecrest, C - Place, Ocean View, Pellsrus, Jeffreysbay Central, Madiba Bay , Jeffrey's

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	9	9	N/A	45	0	0	99.90%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	8	9	N/A	45	0	0	97.22%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
July 2012	9	9	N/A	45	0	0	97.22%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	97.22%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	97.22%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

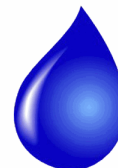
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



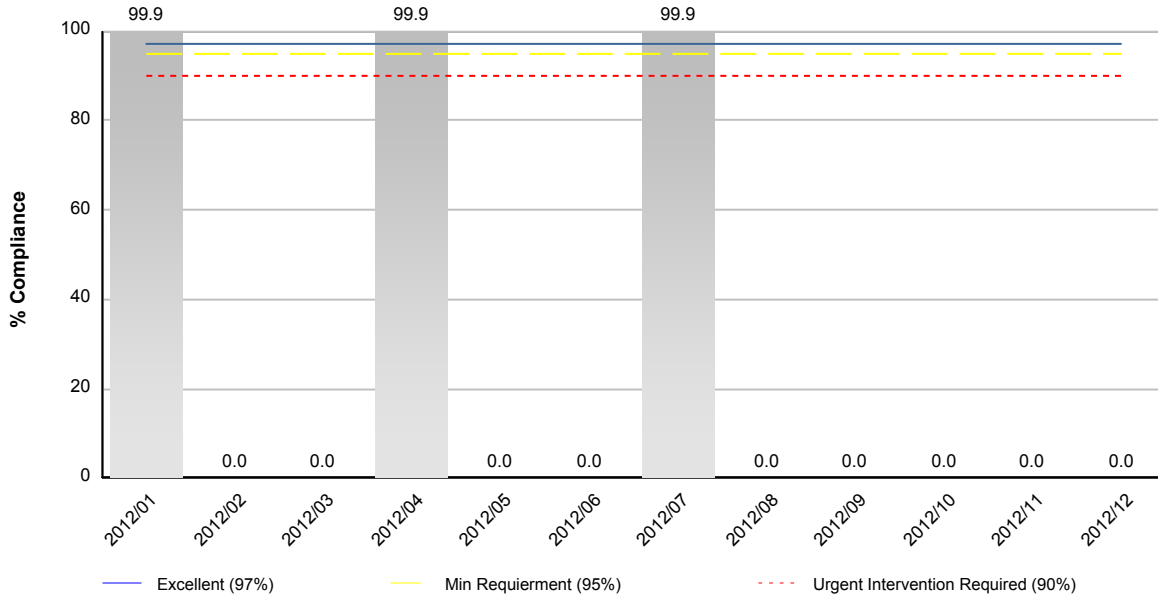
drinking water
QUALITY REGULATION

Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

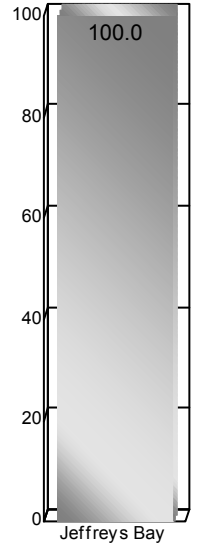
Supply : Jeffreys Bay

Kabeljous, Wavecrest, C - Place, Ocean View, Pellsrus, Jeffreysbay Central, Madiba Bay , Jeffrey's

Physical, Organoleptic (Non Health)
Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	9	9	N/A	81	0	0	99.90%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	8	9	N/A	81	0	0	97.22%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
July 2012	9	9	N/A	81	0	0	97.22%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	97.22%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	97.22%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

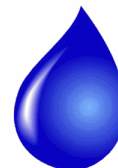
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

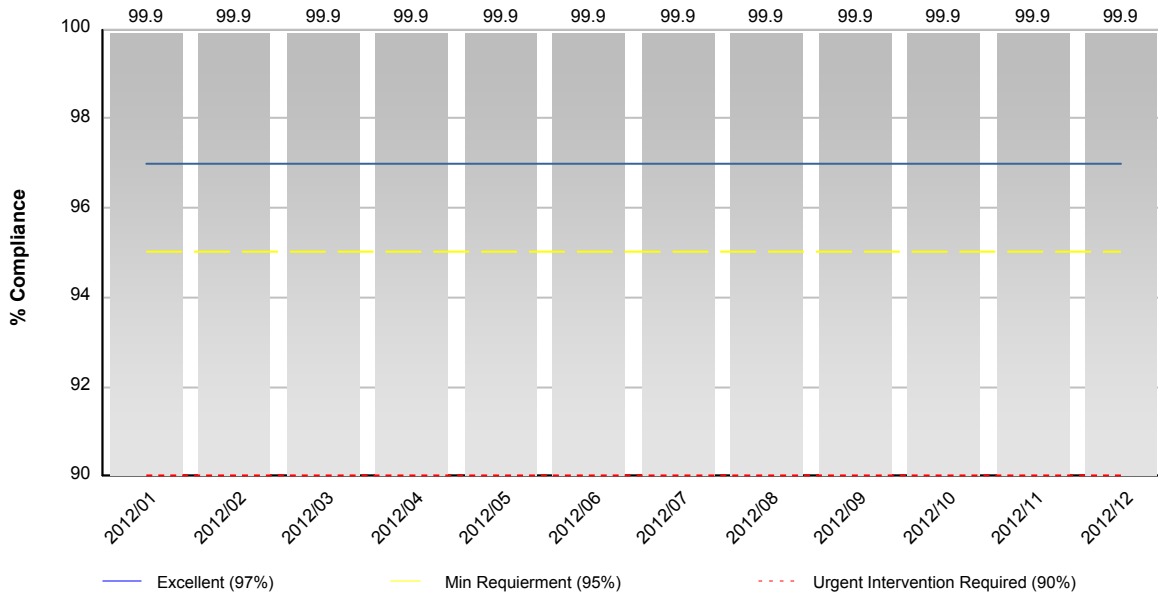
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Jeffreys Bay

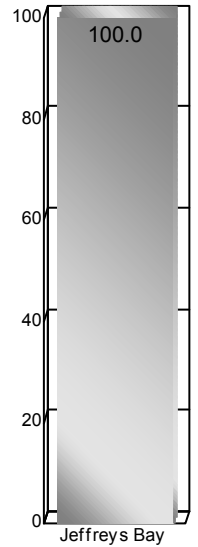
Kabeljous, Wavecrest, C - Place, Ocean View, Pellsrus, Jeffreysbay Central, Madiba Bay , Jeffrey's

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	9	18	N/A	27	0	0	60.00%	99.9%	66.67%
February 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
March 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
April 2012	9	18	N/A	27	0	0	58.89%	99.9%	66.67%
May 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
June 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
July 2012	9	18	N/A	27	0	0	58.89%	99.9%	66.67%
August 2012	9	9	N/A	18	0	0	58.89%	99.9%	100.00%
September 2012	9	9	N/A	18	0	0	58.89%	99.9%	100.00%
October 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
November 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%
December 2012	9	9	N/A	18	0	0	50.00%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

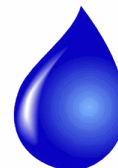
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

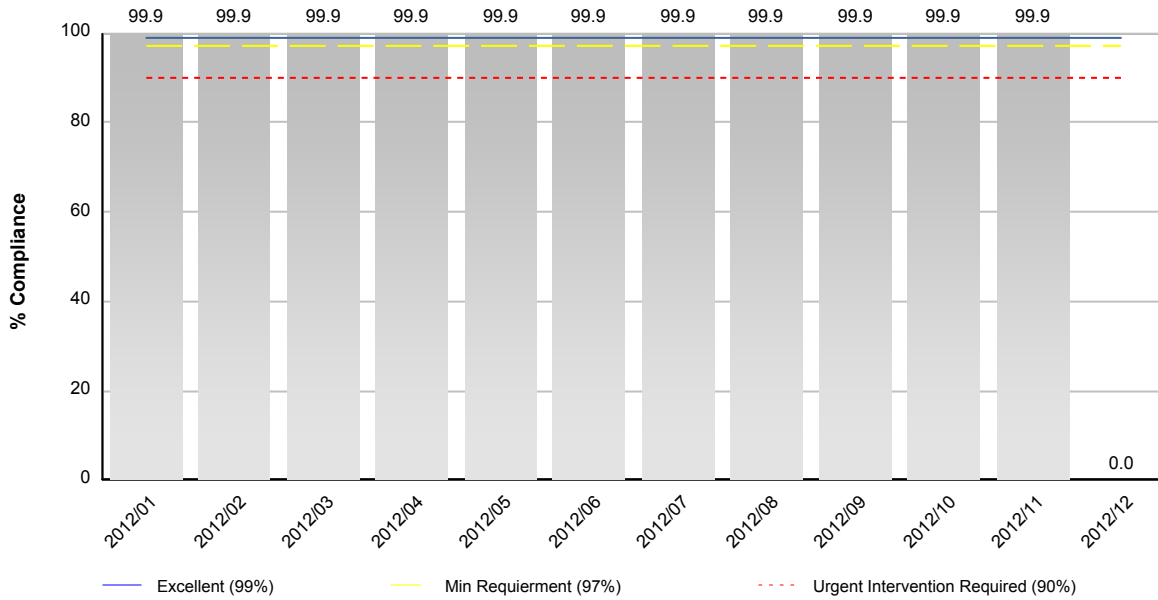
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Loerie

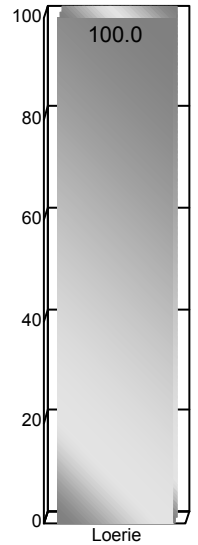
Town of Loerie and surrounding community

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
February 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
March 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
April 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
May 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
June 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
July 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
August 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
September 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
October 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
November 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
December 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

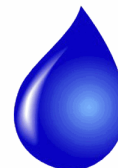
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

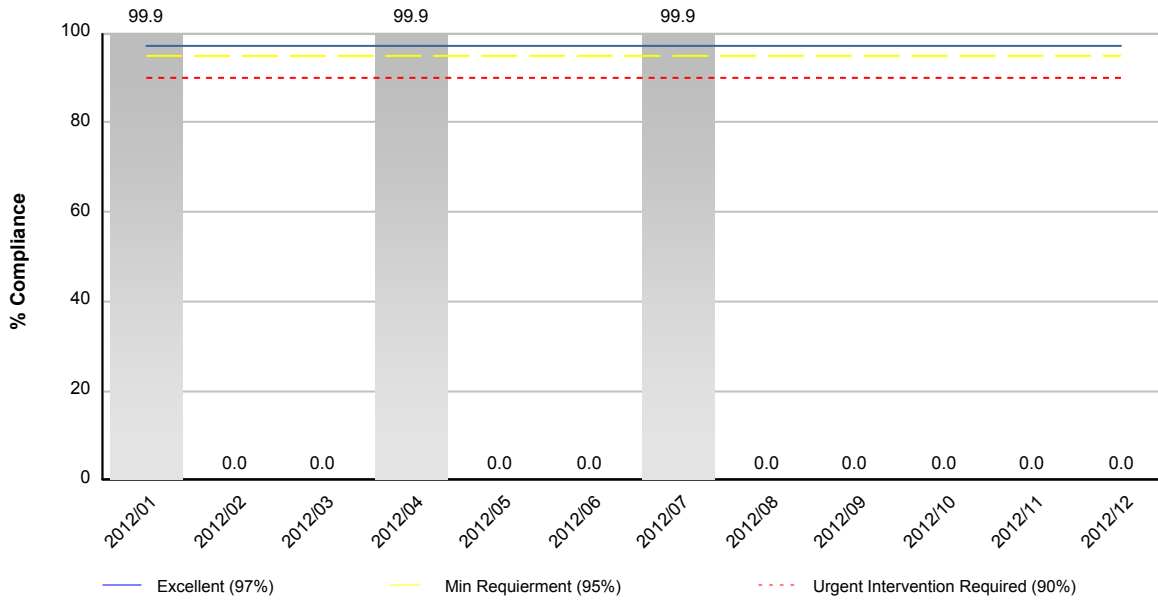
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Loerie

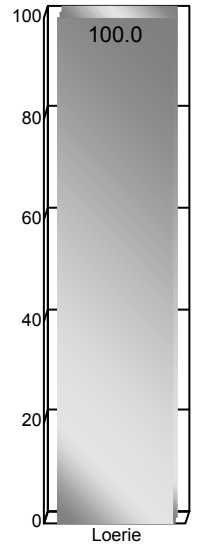
Town of Loerie and surrounding community

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	10	0	0	75.00%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	1	1	N/A	5	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	10	0	0	87.50%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

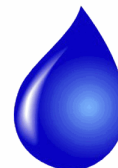
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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

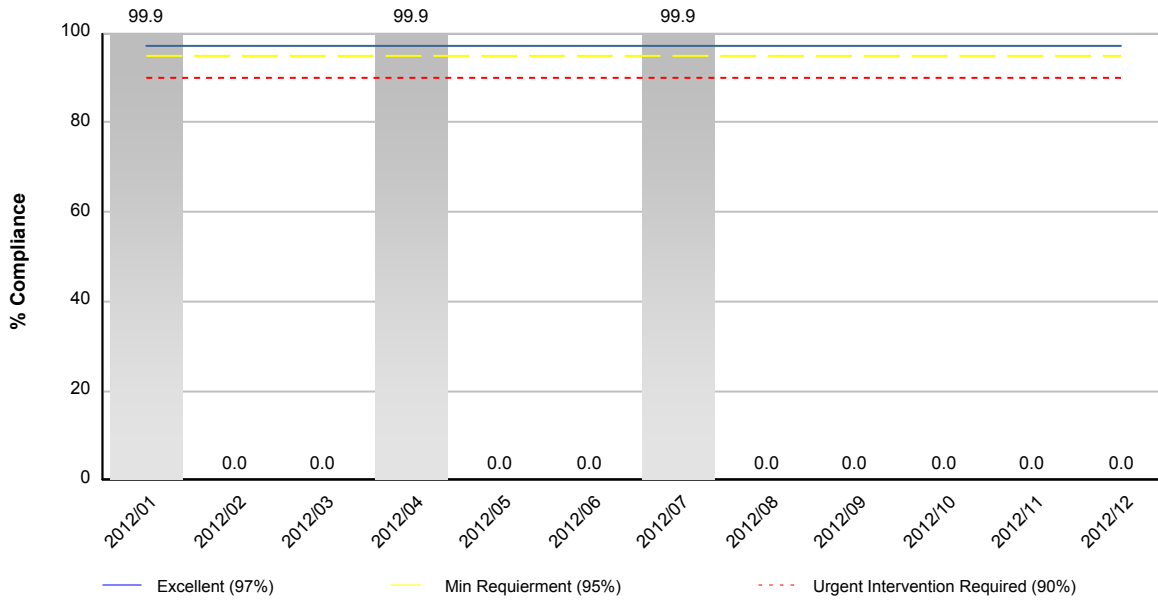
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Loerie

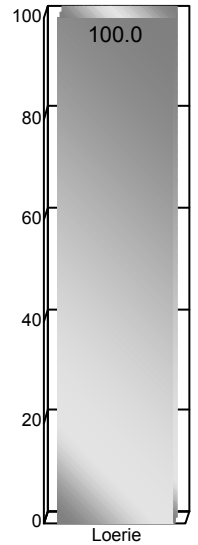
Town of Loerie and surrounding community

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	18	0	0	75.00%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	1	1	N/A	9	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	18	0	0	87.50%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

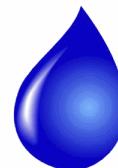
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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

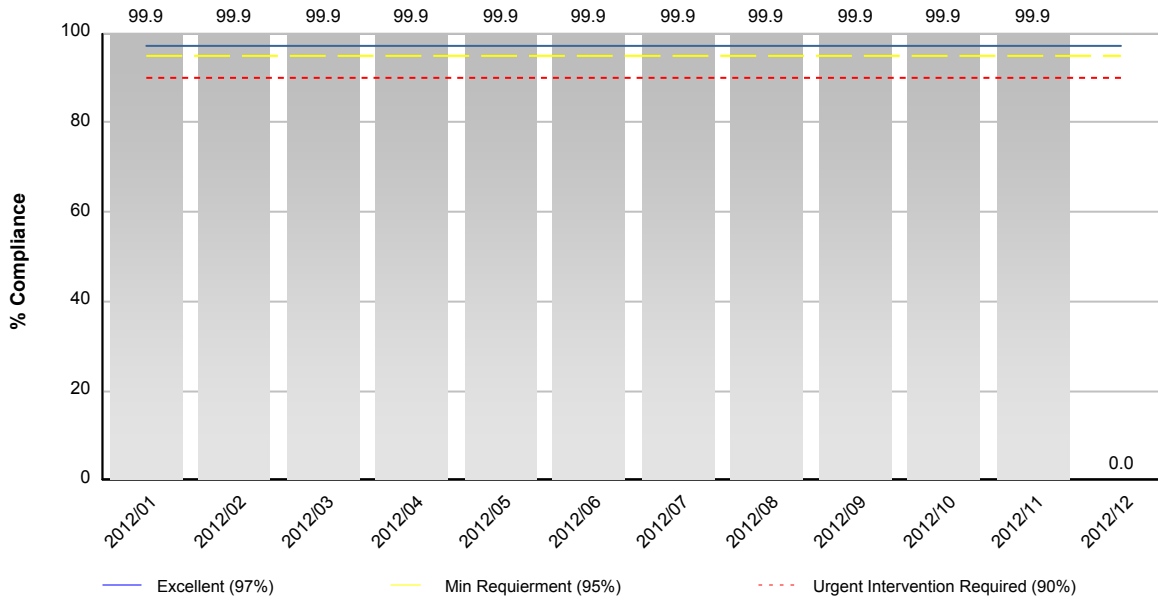
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Loerie

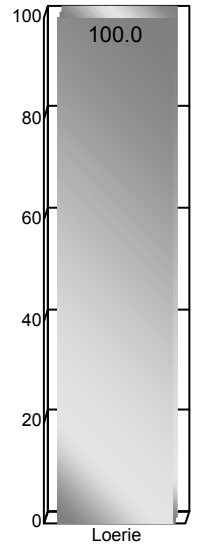
Town of Loerie and surrounding community

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	4	N/A	6	0	0	50.00%	99.9%	66.67%
February 2012	2	2	N/A	4	0	0	50.00%	99.9%	100.00%
March 2012	2	2	N/A	4	0	0	50.00%	99.9%	100.00%
April 2012	2	3	N/A	5	0	0	55.00%	99.9%	80.00%
May 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
June 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
July 2012	2	4	N/A	6	0	0	55.00%	99.9%	66.67%
August 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
September 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
October 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
November 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
December 2012	0	0	N/A	0	0	0	25.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

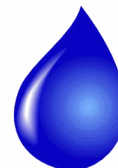
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

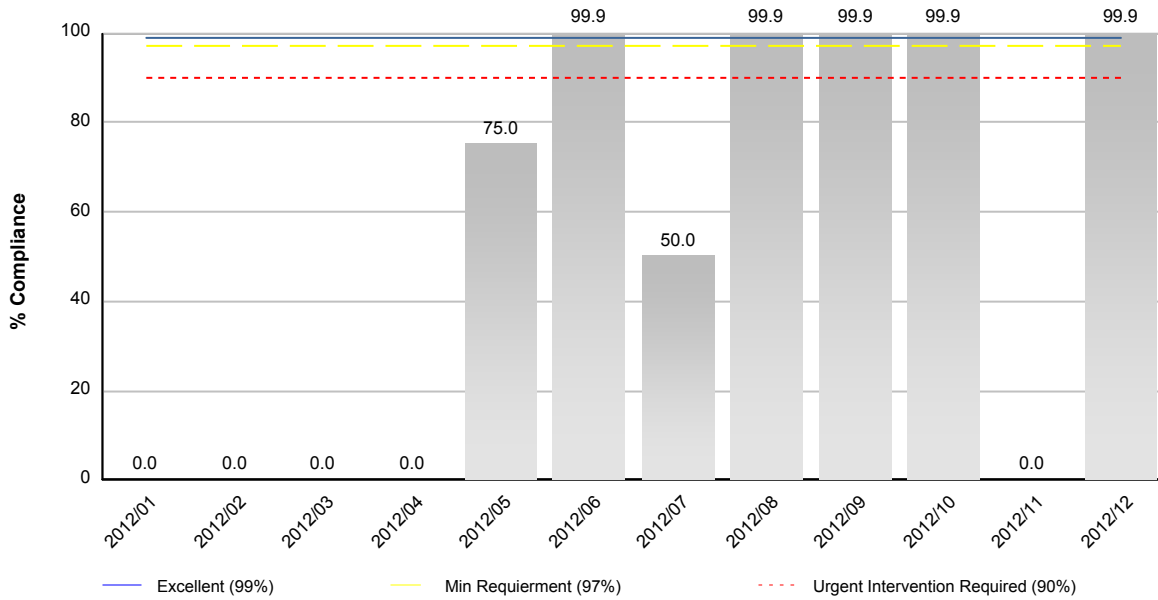
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Oyster Bay

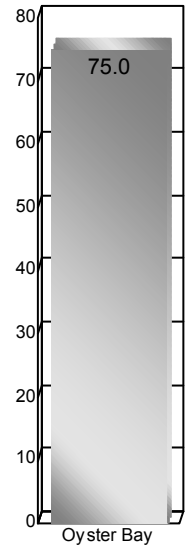
Oyster Bay

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%
February 2012	2	2	100.00%	2	2	0	0.00%	0.0%	50.00%
March 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%
April 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%
May 2012	2	4	100.00%	4	1	0	0.00%	75.0%	100.00%
June 2012	2	2	100.00%	2	0	0	0.00%	99.9%	100.00%
July 2012	2	4	100.00%	4	2	1	0.00%	50.0%	100.00%
August 2012	2	2	100.00%	2	0	0	0.00%	99.9%	100.00%
September 2012	2	2	100.00%	2	0	0	0.00%	99.9%	100.00%
October 2012	2	2	100.00%	2	0	0	0.00%	99.9%	100.00%
November 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%
December 2012	2	2	100.00%	2	0	0	0.00%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

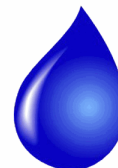
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

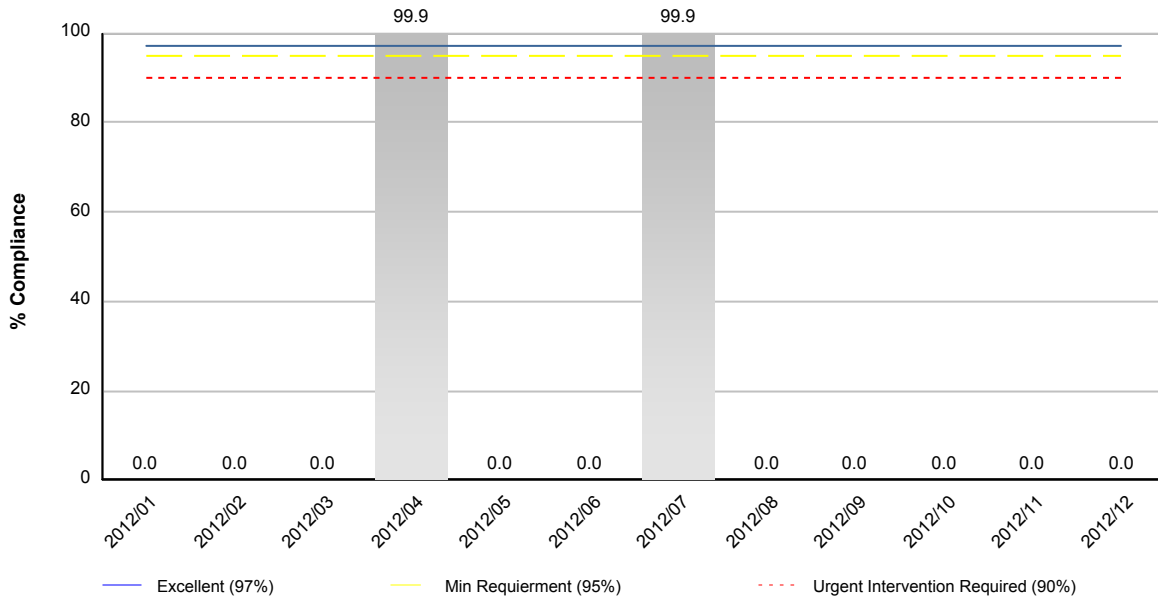
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Oyster Bay

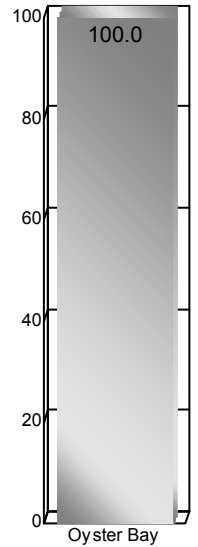
Oyster Bay

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
February 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
April 2012	2	2	N/A	10	0	0	0.00%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
July 2012	2	2	N/A	10	0	0	0.00%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

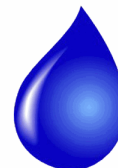
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

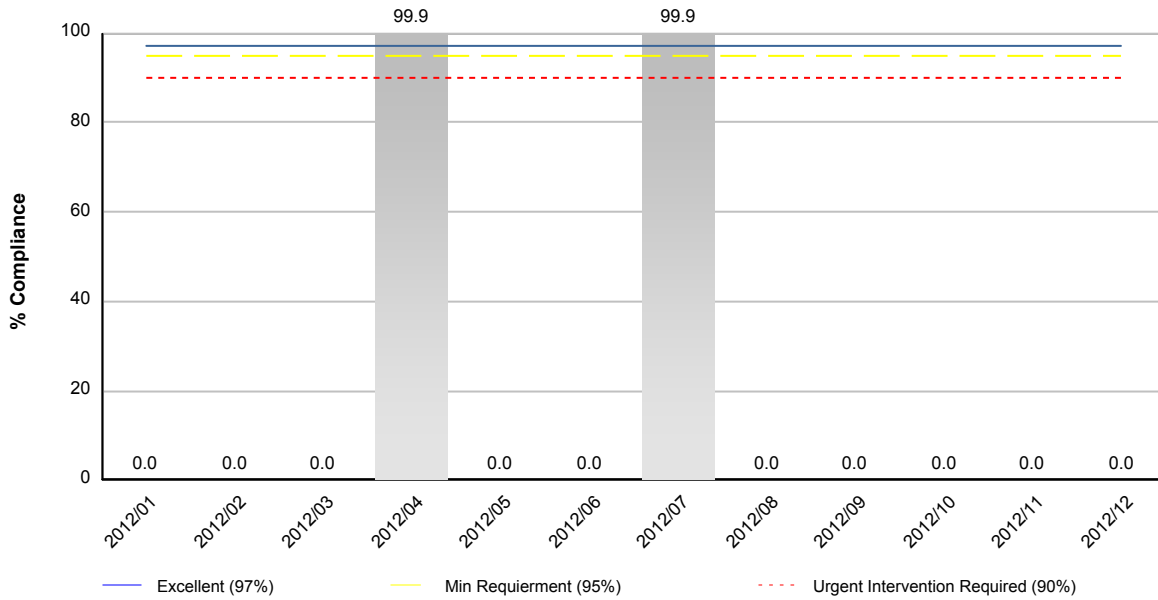
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Oyster Bay

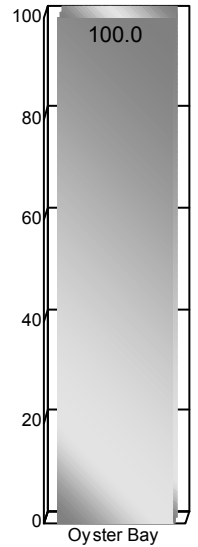
Oyster Bay

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
February 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
April 2012	2	2	N/A	18	0	0	0.00%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
July 2012	2	2	N/A	18	0	0	0.00%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

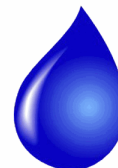
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

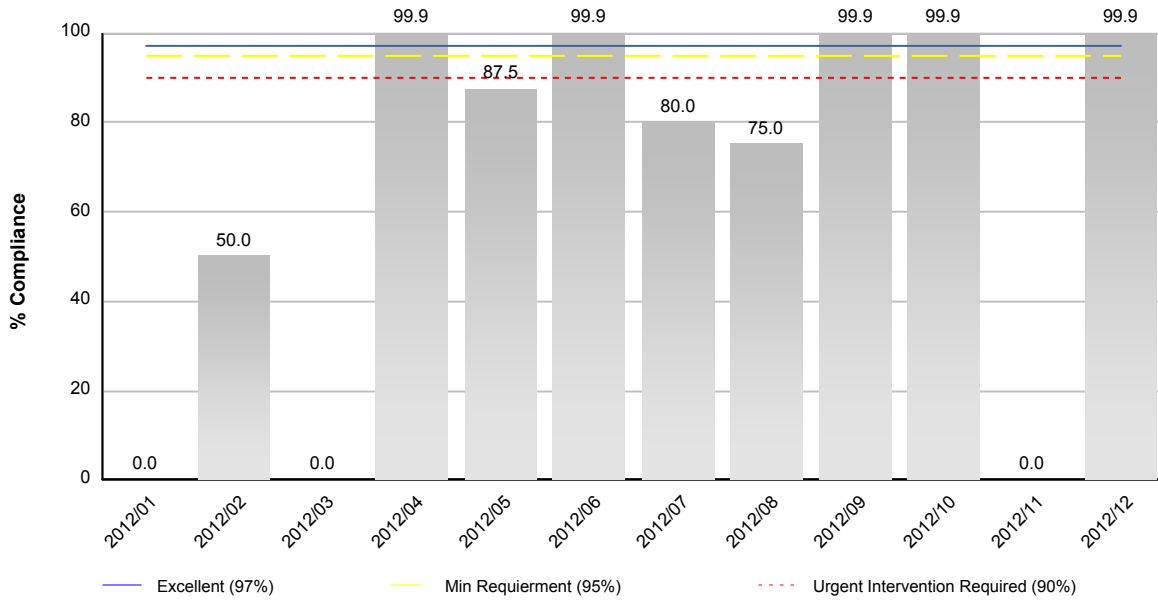
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Oyster Bay

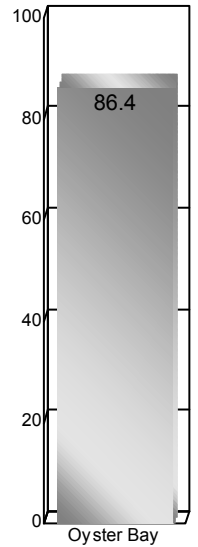
Oyster Bay

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
February 2012	2	2	N/A	4	2	0	0.00%	50.0%	50.00%
March 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
April 2012	2	2	N/A	2	0	0	0.00%	99.9%	0.00%
May 2012	2	4	N/A	8	1	0	0.00%	87.5%	100.00%
June 2012	2	2	N/A	4	0	0	0.00%	99.9%	100.00%
July 2012	2	6	N/A	10	2	0	0.00%	80.0%	80.00%
August 2012	2	2	N/A	4	1	0	0.00%	75.0%	100.00%
September 2012	2	2	N/A	4	0	0	0.00%	99.9%	100.00%
October 2012	2	2	N/A	4	0	0	0.00%	99.9%	100.00%
November 2012	0	0	N/A	0	0	0	0.00%	0.0%	0.00%
December 2012	2	2	N/A	4	0	0	0.00%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

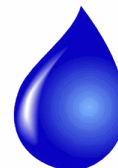
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

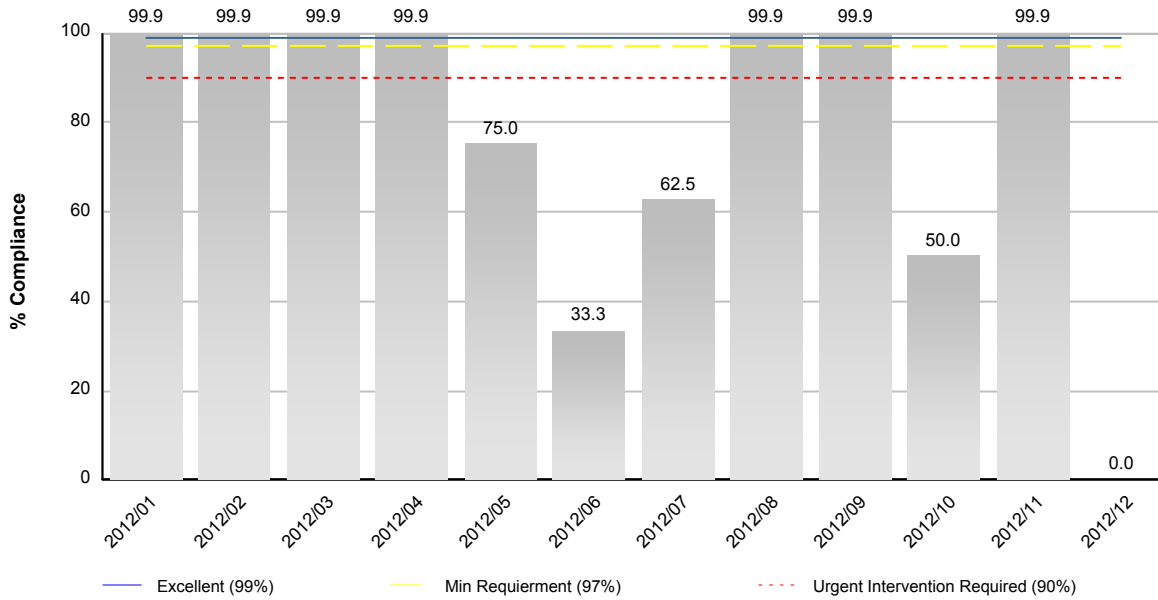
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Patensie

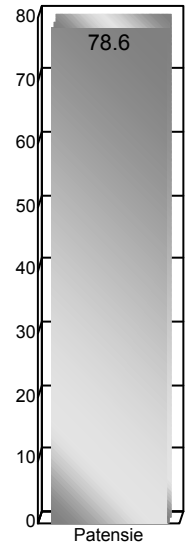
Town of Patensie & surrounding community

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
February 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
March 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
April 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
May 2012	3	4	100.00%	4	1	0	66.67%	75.0%	100.00%
June 2012	3	3	100.00%	3	2	0	66.67%	33.3%	100.00%
July 2012	3	7	100.00%	8	3	1	66.67%	62.5%	100.00%
August 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
September 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
October 2012	3	5	100.00%	6	3	3	66.67%	50.0%	100.00%
November 2012	3	3	100.00%	3	0	0	66.67%	99.9%	100.00%
December 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

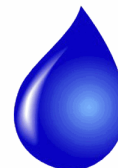
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

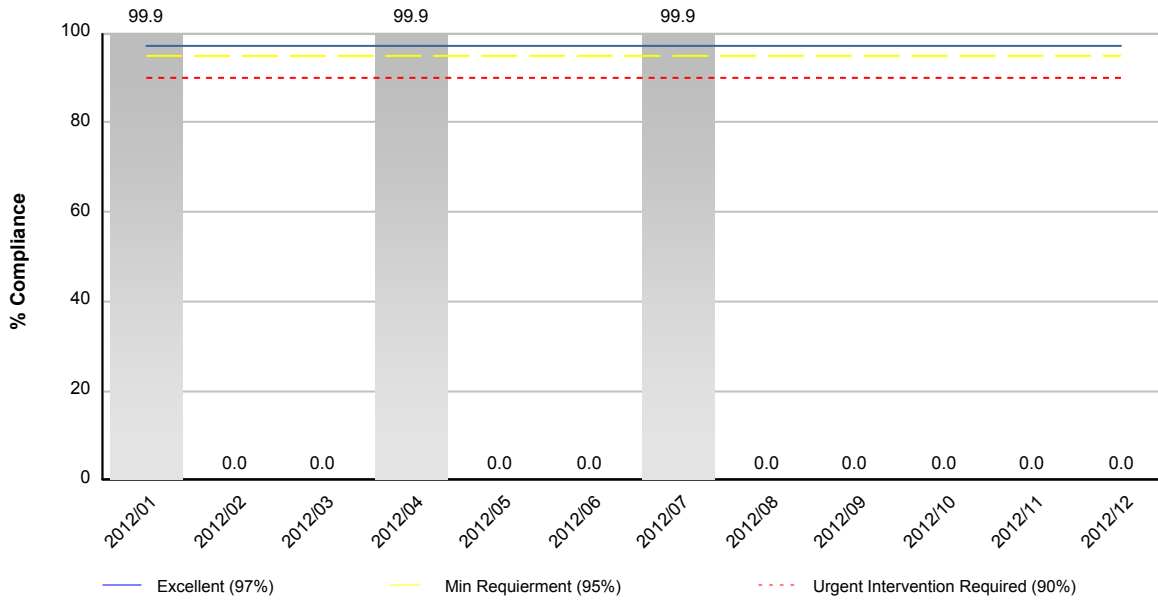
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Patensie

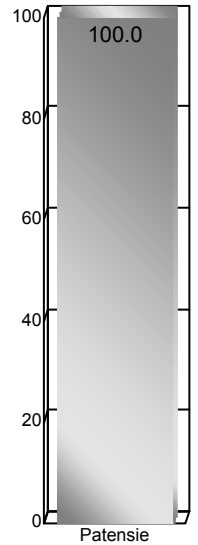
Town of Patensie & surrounding community

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	3	3	N/A	15	0	0	66.67%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
April 2012	3	3	N/A	15	0	0	83.33%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
July 2012	3	3	N/A	15	0	0	83.33%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	83.33%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	83.33%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

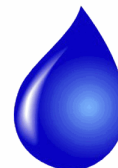
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

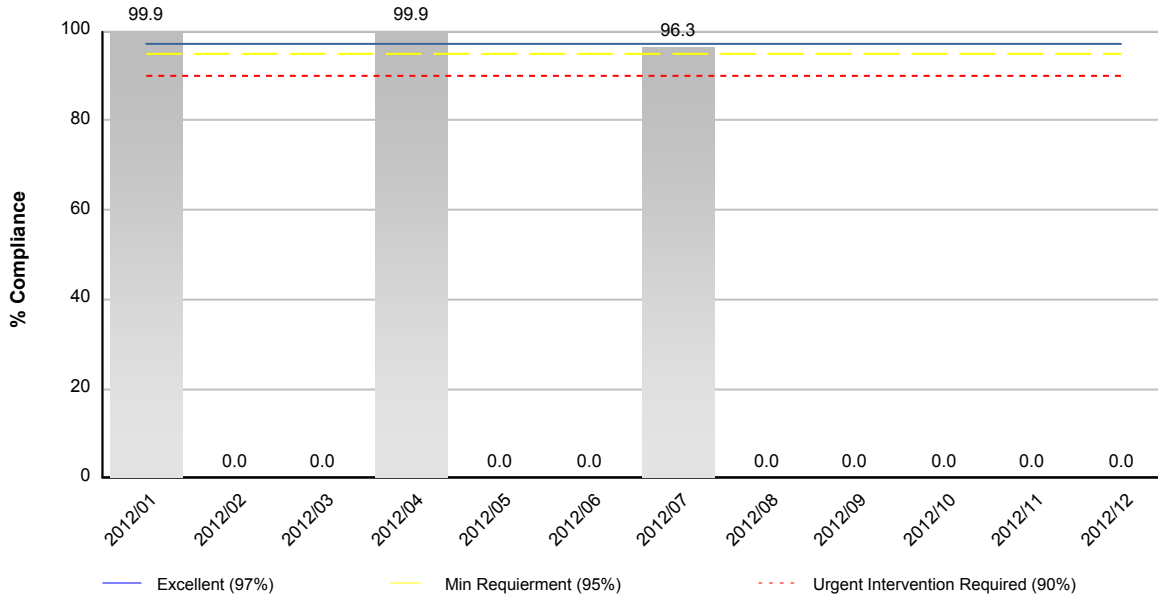
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Patensie

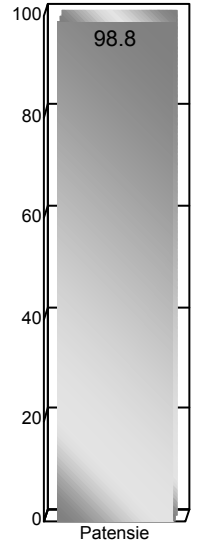
Town of Patensie & surrounding community

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	3	3	N/A	27	0	0	66.67%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
April 2012	3	3	N/A	27	0	0	83.33%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	58.33%	0.0%	0.00%
July 2012	3	3	N/A	27	1	0	83.33%	96.3%	0.00%
August 2012	0	0	N/A	0	0	0	83.33%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	83.33%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

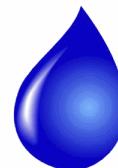
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

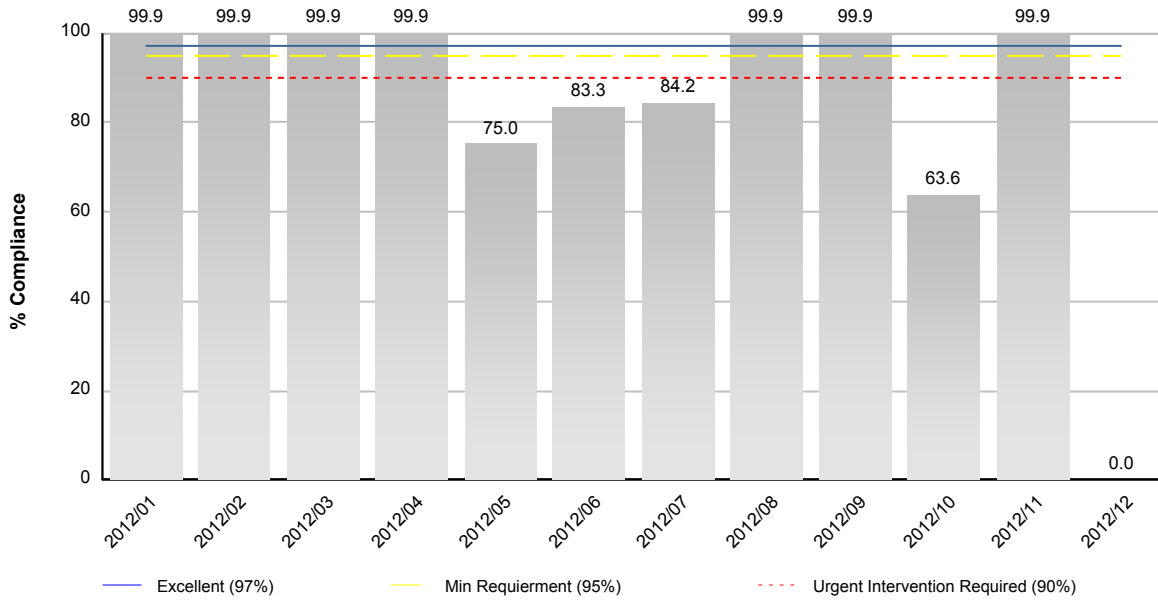
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Patensie

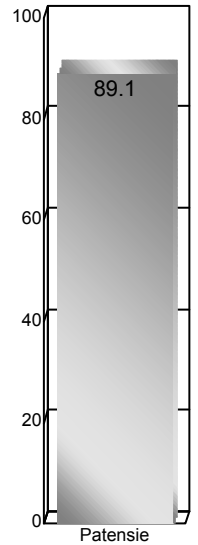
Town of Patensie & surrounding community

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	3	6	N/A	9	0	0	40.00%	99.9%	66.67%
February 2012	3	3	N/A	6	0	0	36.67%	99.9%	100.00%
March 2012	3	3	N/A	6	0	0	36.67%	99.9%	100.00%
April 2012	3	6	N/A	9	0	0	46.67%	99.9%	66.67%
May 2012	3	4	N/A	8	2	0	36.67%	75.0%	100.00%
June 2012	3	3	N/A	6	1	0	36.67%	83.3%	100.00%
July 2012	3	10	N/A	19	3	1	46.67%	84.2%	84.21%
August 2012	3	3	N/A	6	0	0	46.67%	99.9%	100.00%
September 2012	3	3	N/A	6	0	0	46.67%	99.9%	100.00%
October 2012	3	5	N/A	11	4	4	40.00%	63.6%	100.00%
November 2012	3	3	N/A	6	0	0	43.33%	99.9%	100.00%
December 2012	0	0	N/A	0	0	0	30.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

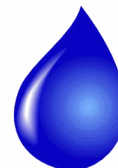
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

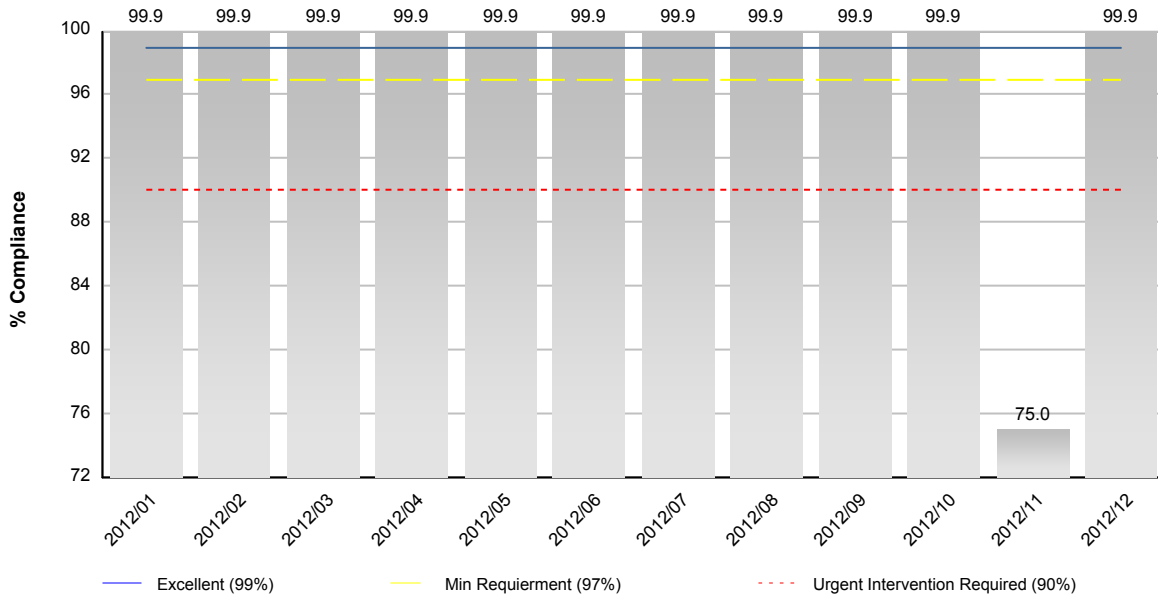
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : St. Francis Bay

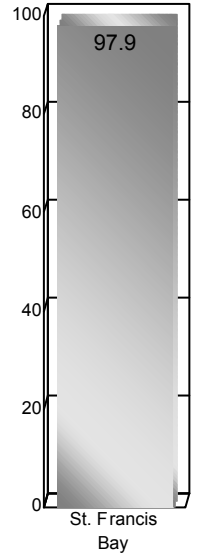
St Francis, Cape St Francis, Astonbay, Paradise Beach , St.

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
February 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
March 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
April 2012	3	3	100.00%	3	0	0	75.00%	99.9%	100.00%
May 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
June 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
July 2012	4	4	100.00%	5	0	0	99.90%	99.9%	100.00%
August 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
September 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
October 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%
November 2012	4	4	100.00%	4	1	0	99.90%	75.0%	100.00%
December 2012	4	4	100.00%	4	0	0	99.90%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

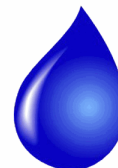
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

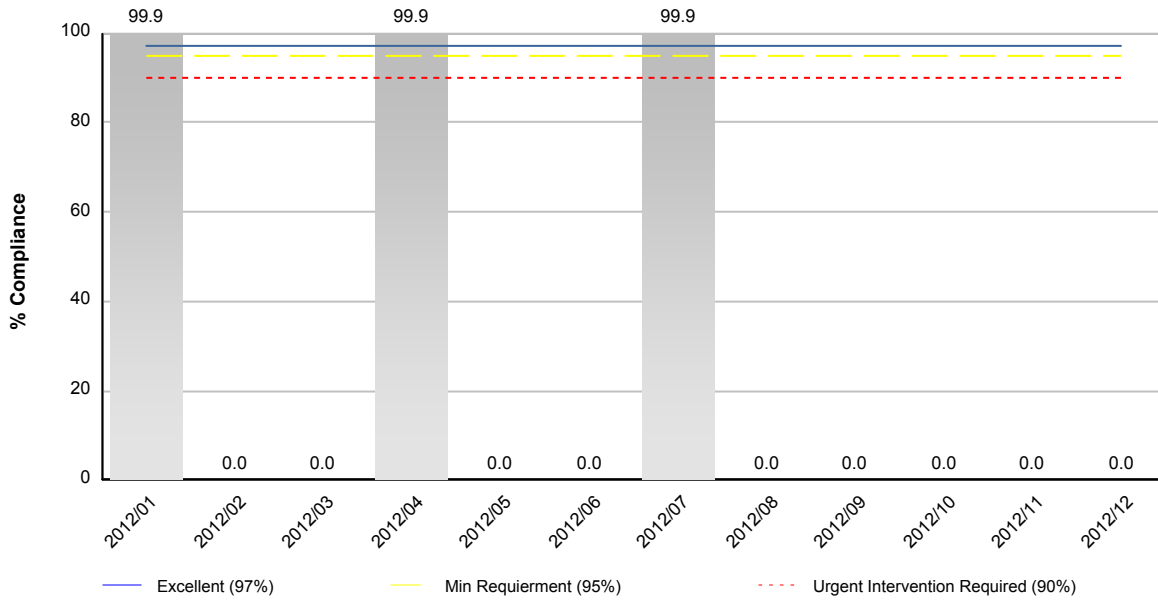
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : St. Francis Bay

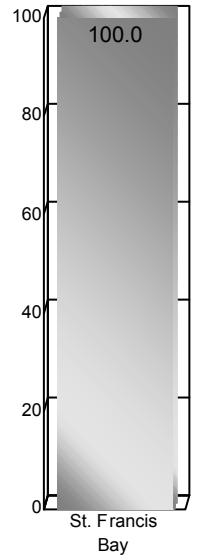
St Francis, Cape St Francis, Astonbay, Paradise Beach , St.

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	4	4	N/A	20	0	0	93.75%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	4	4	N/A	20	0	0	99.90%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
July 2012	3	3	N/A	15	0	0	93.75%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	93.75%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	93.75%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

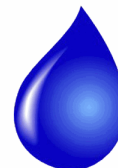
Blue Drop Certified Data

Analysis data received has a full audit trail (from sampler to data capturer) and is submitted per laboratory reference and method used to determine the result thereof.



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

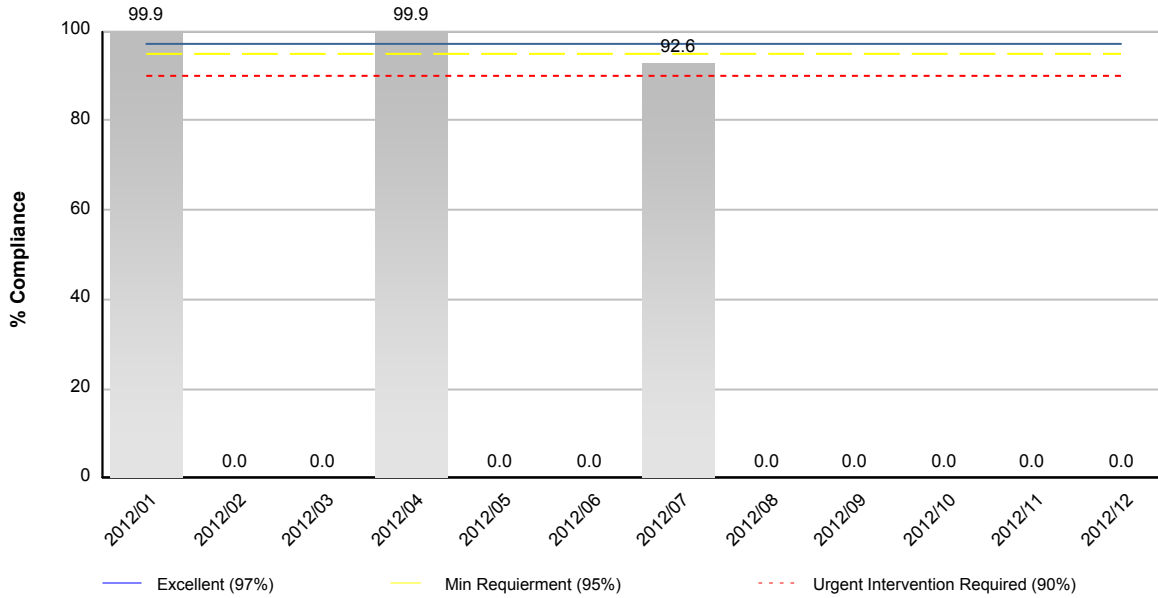
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : St. Francis Bay

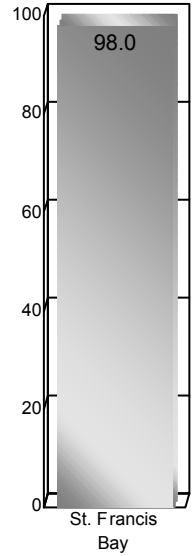
St Francis, Cape St Francis, Astonbay, Paradise Beach , St.

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	4	4	N/A	36	0	0	93.75%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
April 2012	4	4	N/A	36	0	0	99.90%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
July 2012	3	3	N/A	27	2	0	93.75%	92.6%	0.00%
August 2012	0	0	N/A	0	0	0	93.75%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	93.75%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	68.75%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

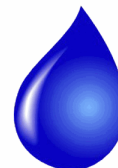
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

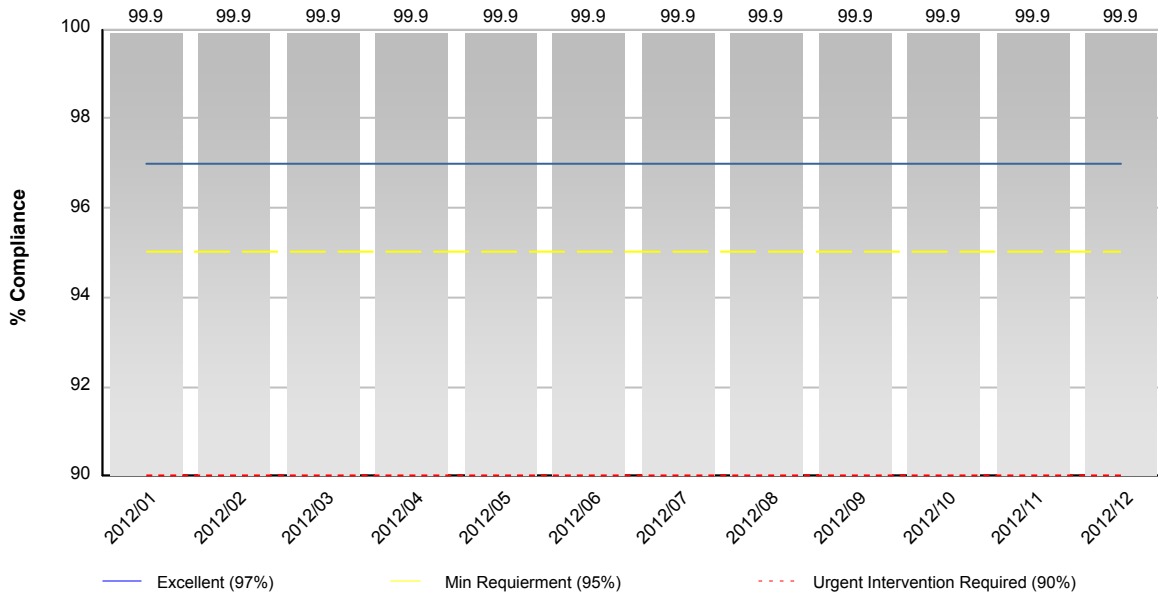
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : St. Francis Bay

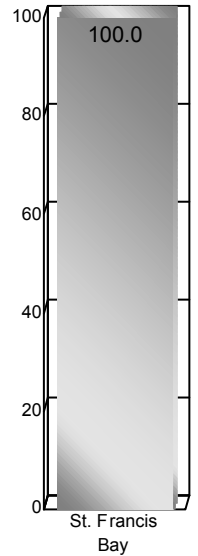
St Francis, Cape St Francis, Astonbay, Paradise Beach , St.

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	4	8	N/A	12	0	0	57.50%	99.9%	66.67%
February 2012	4	4	N/A	8	0	0	50.00%	99.9%	100.00%
March 2012	4	4	N/A	8	0	0	50.00%	99.9%	100.00%
April 2012	4	7	N/A	10	0	0	55.00%	99.9%	60.00%
May 2012	4	4	N/A	8	0	0	50.00%	99.9%	100.00%
June 2012	4	4	N/A	8	0	0	50.00%	99.9%	100.00%
July 2012	4	7	N/A	13	0	0	57.50%	99.9%	76.92%
August 2012	4	4	N/A	8	0	0	57.50%	99.9%	100.00%
September 2012	4	4	N/A	8	0	0	57.50%	99.9%	100.00%
October 2012	4	4	N/A	8	0	0	47.50%	99.9%	100.00%
November 2012	4	4	N/A	8	0	0	47.50%	99.9%	100.00%
December 2012	4	4	N/A	8	0	0	47.50%	99.9%	100.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

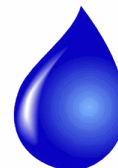
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

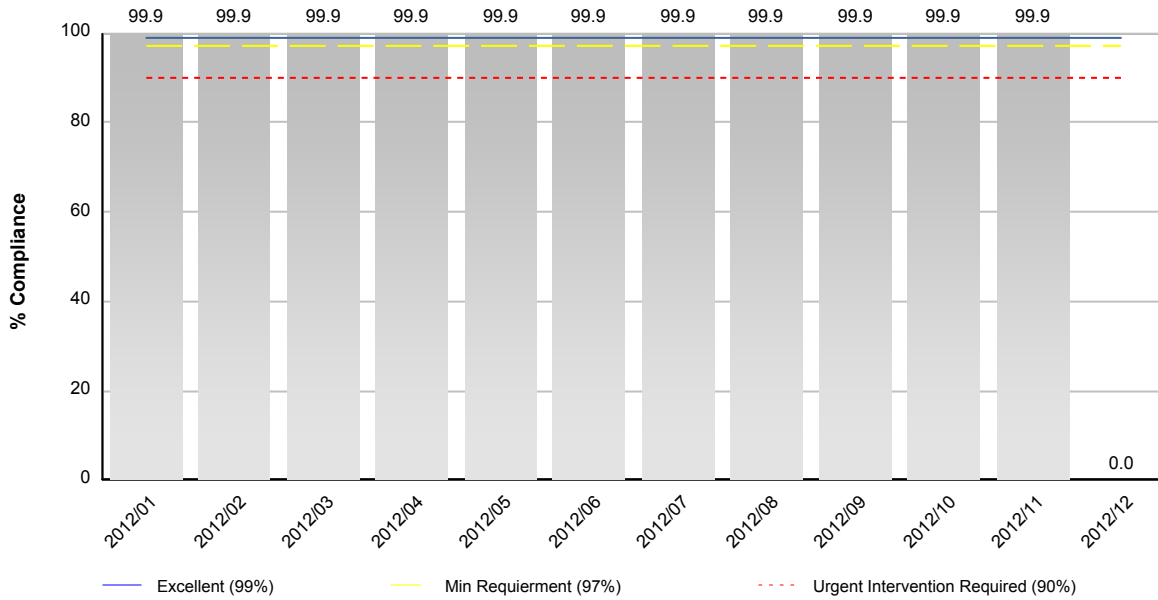
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Thornhill

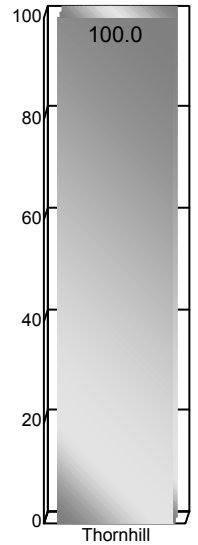
The village of Thornhill

Microbiological (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Microbial water quality is the state of the water with respect to the absence (good water quality) or presence (poor water quality) of micro-organisms. Microbial water quality is usually indicated by reporting the count (number) of indicator organisms present in a given volume of water. SANS 241 requires a min 97% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
February 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
March 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
April 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
May 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
June 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
July 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
August 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
September 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
October 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
November 2012	2	2	100.00%	2	0	0	99.90%	99.9%	100.00%
December 2012	0	0	0.00%	0	0	0	0.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

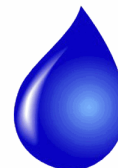
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

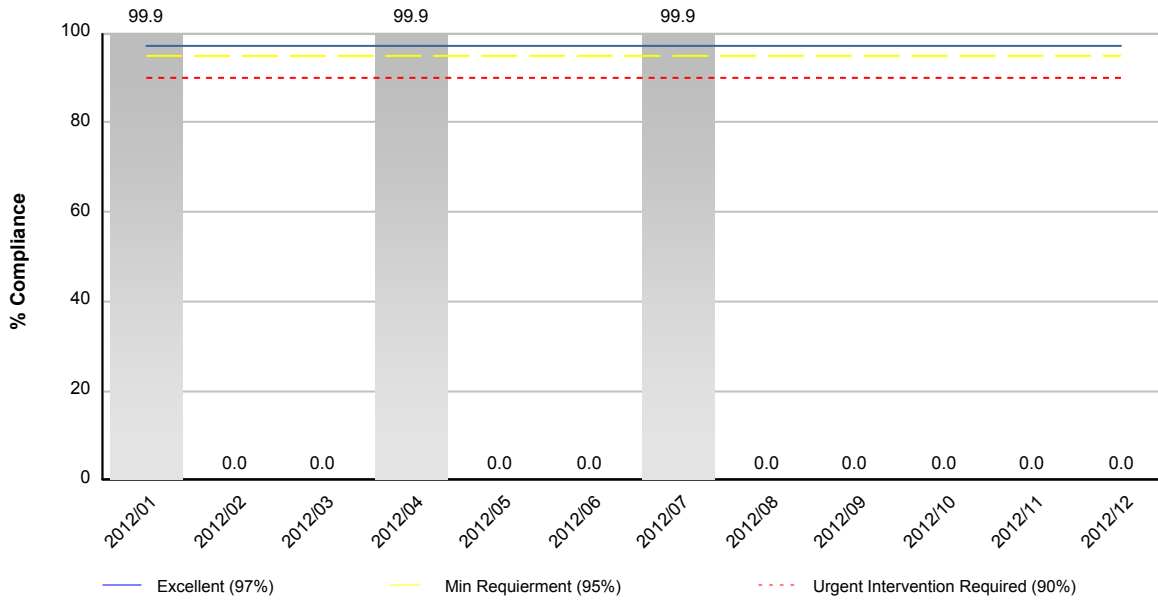
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Thornhill

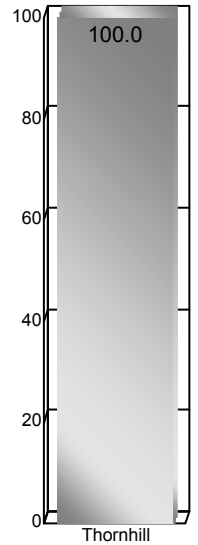
The village of Thornhill

Chemical (Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. All determinants with a possible threat to health are listed. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	10	0	0	75.00%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
April 2012	2	2	N/A	10	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	10	0	0	87.50%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

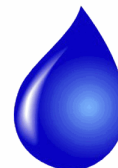
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

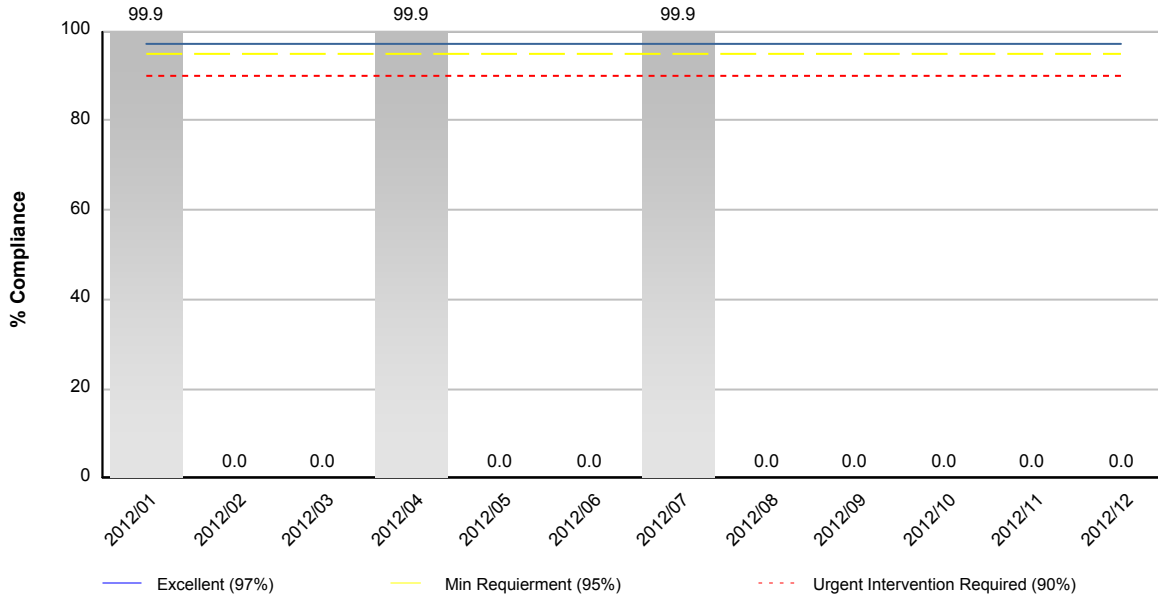
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Thornhill

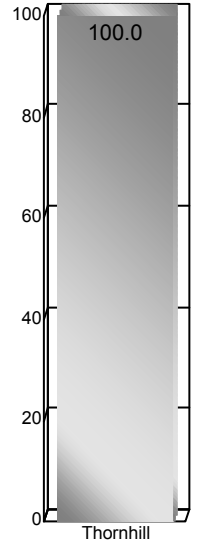
The village of Thornhill

Physical, Organoleptic (Non Health)

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Physical: Water Quality properties determined by intrinsic characteristics which include conductivity, pH and turbidity. Organoleptic: Determinants that affects the smell, taste and appearance of water. Chemical water quality refers to the nature and concentration of dissolved substances such as salts, metals and organic chemicals. In this category all determinants listed have no threat to human health. SANS 241 requires a min 95% compliance.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	2	N/A	18	0	0	75.00%	99.9%	0.00%
February 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
March 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
April 2012	2	2	N/A	18	0	0	87.50%	99.9%	0.00%
May 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
June 2012	0	0	N/A	0	0	0	62.50%	0.0%	0.00%
July 2012	2	2	N/A	18	0	0	87.50%	99.9%	0.00%
August 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
September 2012	0	0	N/A	0	0	0	87.50%	0.0%	0.00%
October 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
November 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%
December 2012	0	0	N/A	0	0	0	75.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

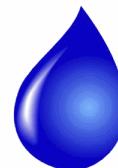
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

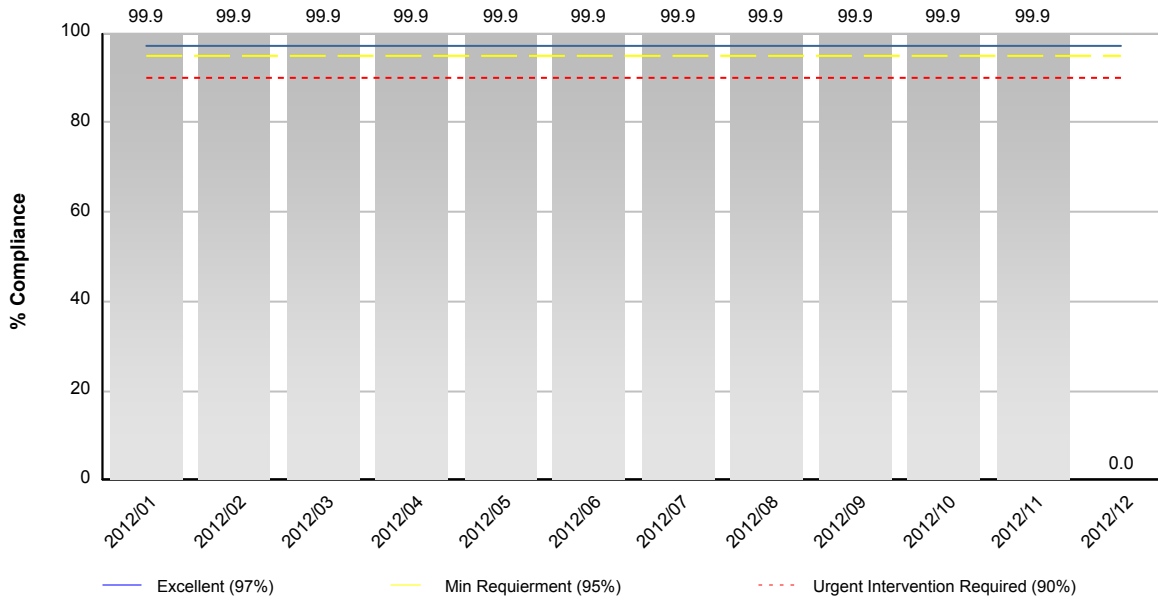
Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS

Supply : Thornhill

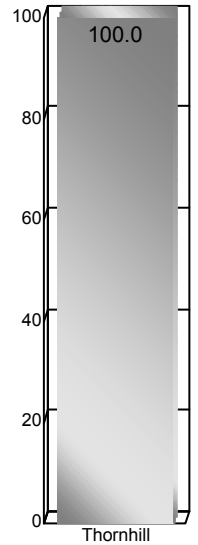
The village of Thornhill

SANS 241 Operational Tests

Monthly Water Quality Compliance (SANS 241 : 2006 Trend %)



12 Month Compliance (%)



Treated & Untreated Distributed Water

Operational tests are performed to measure process indicators that provide information on treatment efficiency after growth in the reticulation system. Exceeding the MAL (Maximum Allowable Limit) will raise an alert level. Min of 80% Compliance is required.

Month	Sites	Samples	Sample Frequency	Analysis	Failures	Recurring Failures	Monitoring Compliance	Water Quality Compliance	Certified Data
January 2012	2	4	N/A	6	0	0	50.00%	99.9%	66.67%
February 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
March 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
April 2012	2	4	N/A	6	0	0	55.00%	99.9%	66.67%
May 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
June 2012	2	2	N/A	4	0	0	45.00%	99.9%	100.00%
July 2012	2	4	N/A	6	0	0	55.00%	99.9%	66.67%
August 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
September 2012	2	2	N/A	4	0	0	55.00%	99.9%	100.00%
October 2012	2	2	N/A	4	0	0	50.00%	99.9%	100.00%
November 2012	2	2	N/A	4	0	0	50.00%	99.9%	100.00%
December 2012	0	0	N/A	0	0	0	30.00%	0.0%	0.00%

Recurring Sites Failures

Recurring - a sample point that has failed on the same determinant (e.g. E.coli) more than 3 times in the past 6 months.

Monitoring Compliance

Compliance against your registered sampling programmes (i.e. E.coli every 14 days)

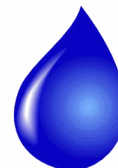
Blue Drop Certified Data

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water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



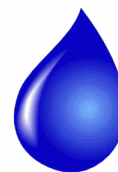
drinking water
QUALITY REGULATION

Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA



drinking water
QUALITY REGULATION

Directorate : Water Services , Regulation
DEPARTMENT WATER & ENVIRONMENTAL AFFAIRS