
QP2	-25.646221	27.947667	Groundwater sampling	Quarterly	Hydrocarbons (GRO, DRO and PAH) - pH, TDS, bicarbonates, EC and total hardness
------------	------------	-----------	----------------------	-----------	---

10 CONCLUSIONS

Following the site investigation and pump test conducted at Section 1 on borehole 4, the following may be concluded concerning the required water demand:

- Five hydrocensus boreholes were identified within close proximity of Section 1, however only BH3 and BH4 are used by the lodge located on the property;
- One hydrocensus borehole, BH6 was located within close proximity of Section 2 which is used for cattle water supply;
- The static water level within the hydrocensus boreholes ranged from 28.14 to 35.1mbgl (confirming the absence of a shallow perched water level on site);
- Two monitoring wells, QB1 and QB2 as well as one production borehole, QP1 were installed on Section 1;
- One monitoring well, QB3 and one production borehole, QP2 were installed on Section 2;
- Groundwater was encountered at depths ranging from 28 to 29.84mbgl within QB3, QP1 and QP2;
- 24 Hour aquifer testing was conducted on hydrocensus boreholes, BH3 and BH4 as well as newly drilled production borehole, QP2;
- According to the pump test data and the subsequent analysis, the recommended borehole yield for hydrocensus boreholes, BH3 and BH4 are 0.5l/s and 1l/s over a 18 hour period;
- According to the pump test data and the subsequent analysis, the recommended borehole yield for production borehole, QP2 is 1.5l/s over a 18hour period;
- The proposed abstraction at the Q4 Fuel City is 38.4m³/day. According to the aquifer tests the recommended sustainable abstraction from BH3, BH4 and QP1 for the Q4 Fuel site is 111.6m³/day;
- According to the water balance calculations small scale abstraction (<60% recharge on catchment) will be present on site;
- Laboratory analysis for groundwater samples collected from BH3, BH4, QB3, QP1 and QP2 indicated the absence of volatile petroleum hydrocarbons;
- Relatively hard water (in terms of CaCO₃) was recorded in all groundwater samples;
- Calcium and magnesium concentrations marginally exceeded the standards, and is not considered source of contamination, rather naturally occurring within the groundwater due to the water rock interaction;
- Based on this the source-pathway-receptor is not complete as no source was identified on site.

Recommendations

The following recommendations are made:

- Adherence to the sustainable yield of the production boreholes is crucial to ensure long-term utilisation of the groundwater resource;
- Accurate weekly monitoring of the groundwater levels in the boreholes are recommended when abstraction occurs. If any significant fluctuation in water level occurs, immediate action needs to be taken. The conservative calculations for recharge and proper monitoring plan should prevent over-utilisation of the aquifer;
- Groundwater quality analysis must be done on a quarterly basis, once operational phase has commenced, in order to detect any contamination to the aquifer.




11 REFERENCES




Bredenkamp, D.B., Botha, L.J., Van Tonder, G.J. and Van Rensburg, H.J. (1995). Manual on Quantitative Estimation of Groundwater Recharge and Aquifer Storativity. Water Research Commission. TT 73/95.

DeGroot-Hedlin, C. and Constable, S. (1990). Occam's inversion to generate smooth, two-dimensional models form magnetotelluric data. *Geophysics*, 55, 1613-1624.

Groundwater Resource Directed Measures (GRDM) (2012). Department of Water Affairs (DWA). Software.

APPENDIX A - PHOTO LOG

		PHOTOGRAPHIC LOG	
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	
Project No. 14-503			
Photo No. 1	Date: Sep 2014		
Direction Photo Taken: From North West to South East			
Description: Borehole 1 located on section 1. Has not been opened for 10 years and has no electricity.			
Photo No. 2	Date: Sep 2014		
Direction Photo Taken: N/A			
Description: Close up of hydrocensus borehole 1. The cover is stuck.			

		PHOTOGRAPHIC LOG	
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No.: 14-503
Photo No.: 3	Date: Sep 2014		
Direction Photo Taken: West to East			
Description: Location of hydrocensus borehole 2, BH2, located on section 1.			
Photo No.: 4	Date: Sep 2014		
Direction Photo Taken: North East to South West			
Description: Close up of BH2. This hole has its own control box and electricity, but is not in use.			



PHOTOGRAPHIC LOG

Client Name: Q4 Fuels	Site Location: Ga-Rankuwa	Project No. 14-503
---------------------------------	-------------------------------------	------------------------------

Photo No. 5	Date: Sep 2014
------------------------------	--------------------------

Direction Photo Taken: South to North

Description: General site layout.



Photo No. 6	Date: Sep 2014
------------------------------	--------------------------

Direction Photo Taken: N/A
--

Description: Hydrocensus borehole 3, BH3 is located in a small brick house with its own control box and electricity on section1.
--





PHOTOGRAPHIC LOG

Client Name: Q4 Fuels	Site Location: Ga-Rankuwa	Project No. 14-503
---------------------------------	-------------------------------------	------------------------------

Photo No. 7	Date: Sep 2014
------------------------------	--------------------------

Direction Photo Taken:
South East to North West

Description:
Location of hydrocensus borehole 4, BH4 located on section 1, the borehole is covered with corrugated iron roofing.






Photo No. 8	Date: Sep 2014
------------------------------	--------------------------

Direction Photo Taken:
N/A

Description:
BH4 is located about a 70m from BH3.






		PHOTOGRAPHIC LOG	
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No.: 13-816
Photo No. 9	Date: Sep 2014		
Direction Photo Taken: North East to South West			
Description: Location of hydrocensus borehole, BH6 on section 2. The control box is in the brick house and the borehole supplies water directly to the JoJo Tank in blue on the photo.			
Photo No. 10	Date: Sep 2014		
Direction Photo Taken: N/A			
Description: BH6 with solid steel cap.			



PHOTOGRAPHIC LOG

Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No.: 14-503
Photo No.: 11	Date: Sep 2014		
Direction Photo Taken: N/A			
Description: Water supply pipes from BH3 and BH4, which runs into a dam and is used for water supply to the lodge. BH3 and BH4 are pumped simultaneously.			
Photo No.: 12	Date: Sep 2014		
Direction Photo Taken: North West to South East			
Description: Location of the brick dam. The water from BH3 and BH4 are pumped at approximately 3l/s.			

		PHOTOGRAPHIC LOG	
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No.: 13-816
Photo No.: 13	Date: Sep 2014		
Direction Photo Taken: N/A			
Description: Borehole log of production borehole, QP1.			
Photo No.: 14	Date: Sep 2014		
Direction Photo Taken: N/A			
Description: Monitoring well, QM3 after borehole installation.			







PHOTOGRAPHIC LOG

Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No. 14-503
Photo No. 15	Date: Sep 2014		
Direction Photo Taken: North West to South East			
Description: Control box under the roof for BH3 and BH4. Irrigation pump is abstract water from the brick dam.			
Photo No. 16	Date: October 2014		
Direction Photo Taken: N/A			
Description: Monitoring well, QB1			

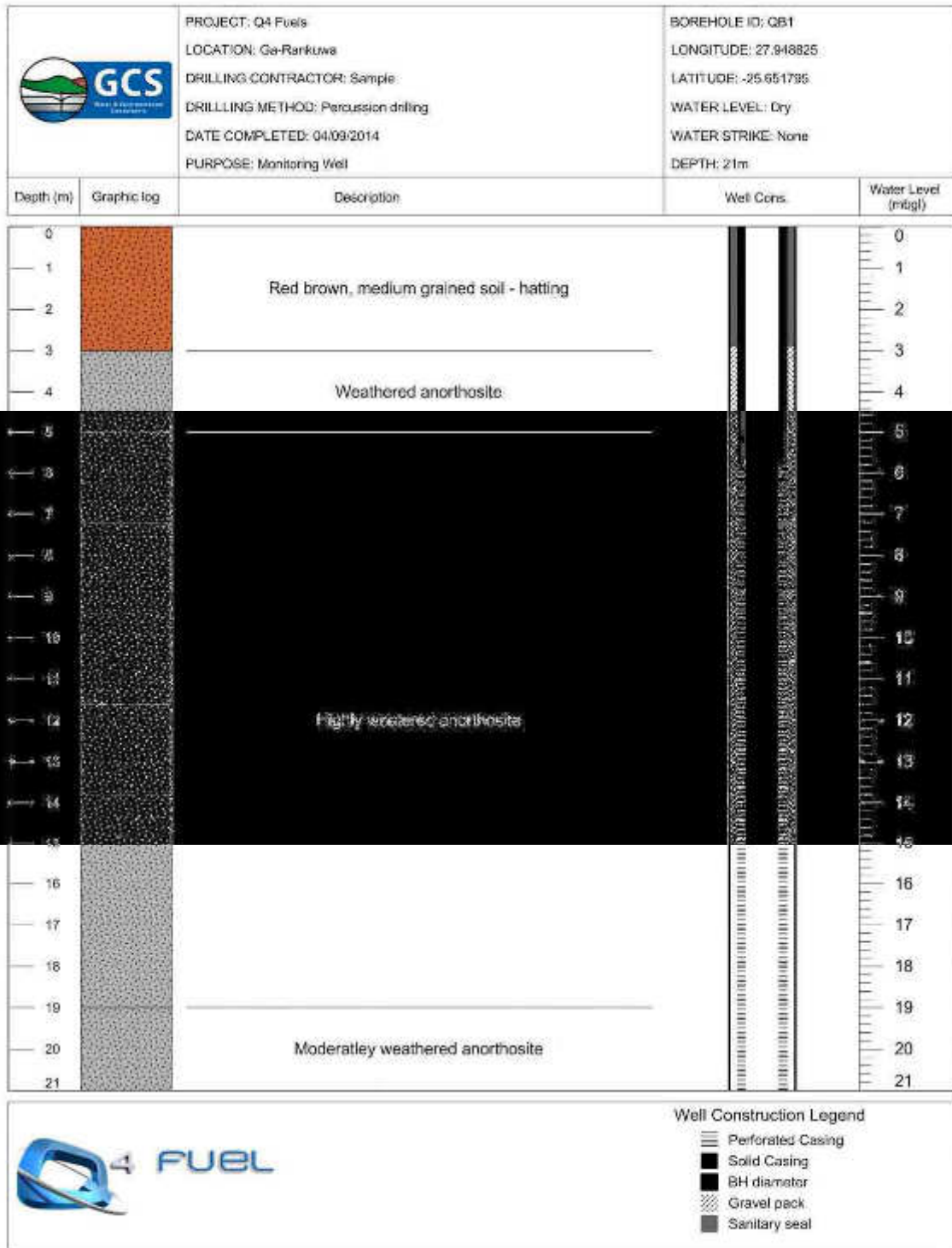


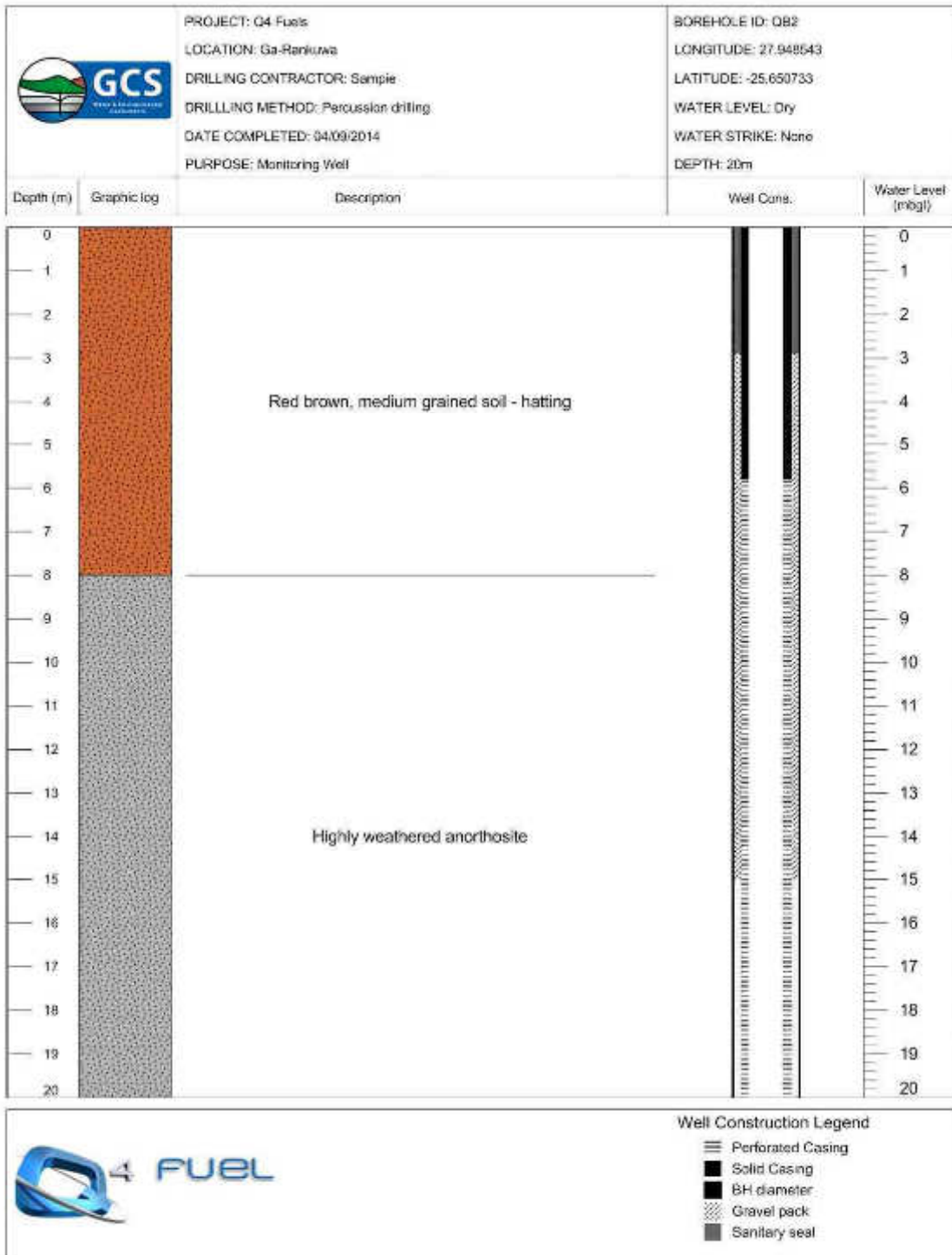
PHOTOGRAPHIC LOG

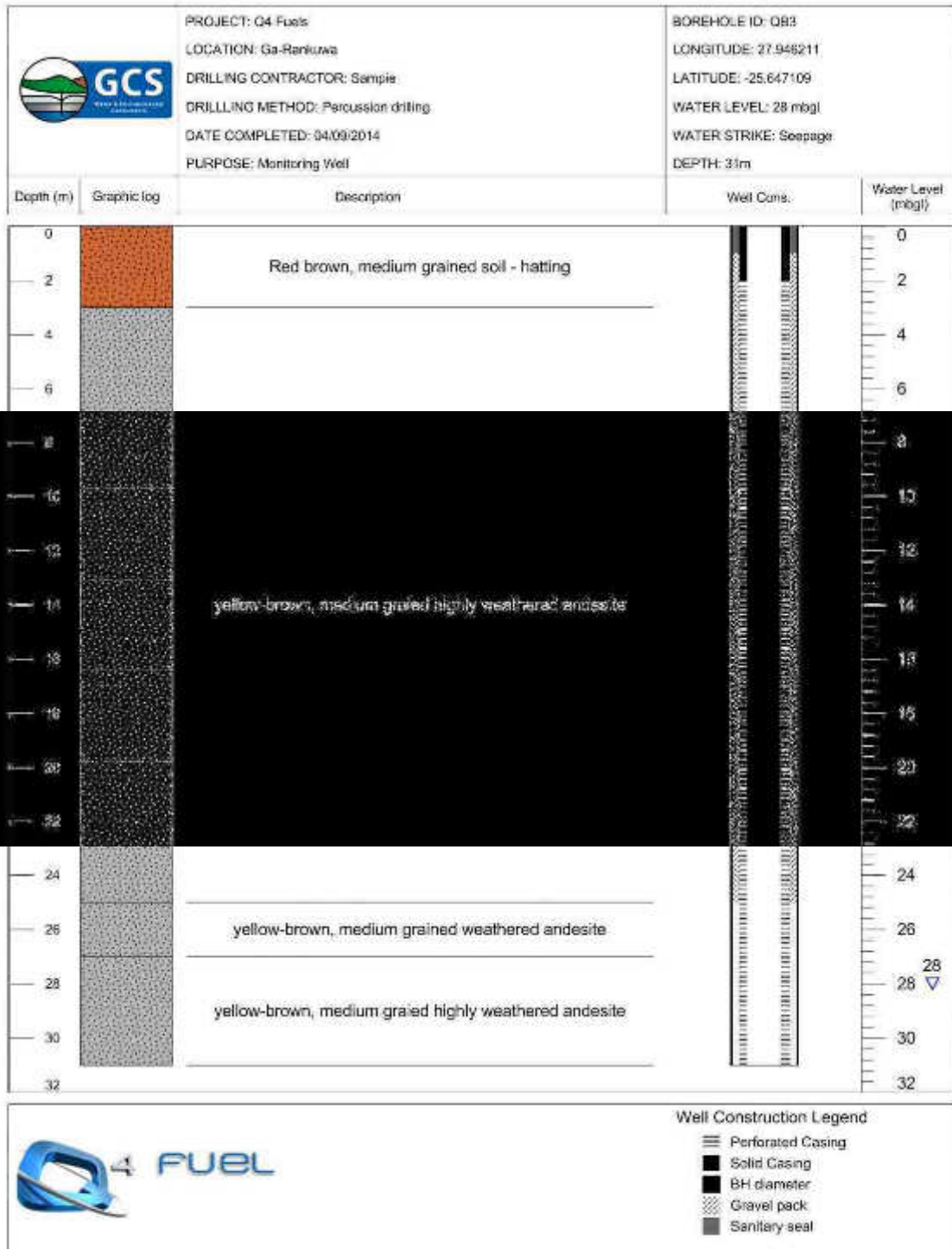
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	Project No. 14-503
Photo No. 17	Date: October 2014		
Direction Photo Taken: N/A			
Description: Monitoring well, QB2			
Photo No. 18	Date: October 2014		
Direction Photo Taken: N/A			
Description: Production borehole, QP1			

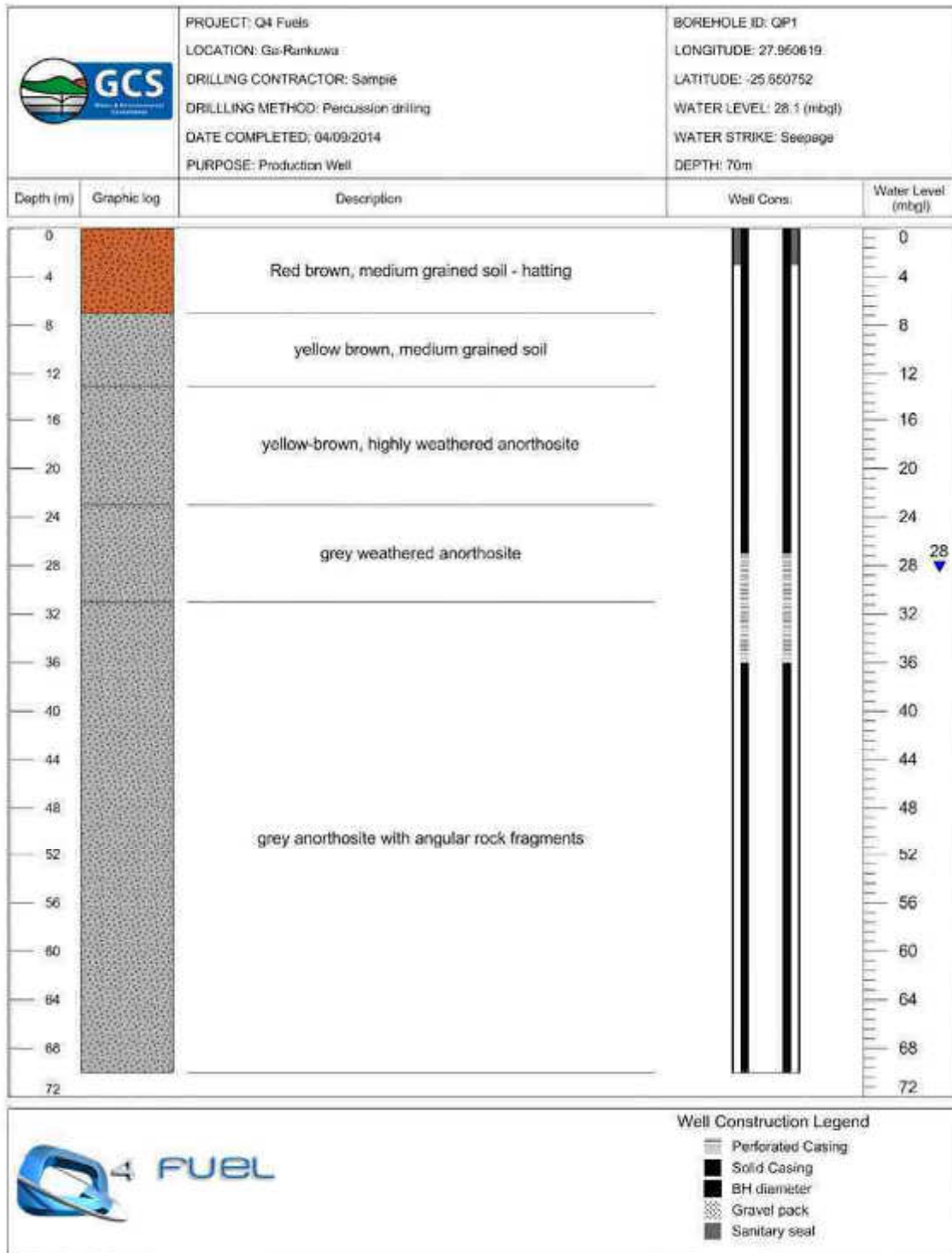
		PHOTOGRAPHIC LOG	
Client Name: Q4 Fuels		Site Location: Ga-Rankuwa	
Project No. 14-503			
Photo No. 19	Date: October 2014		
Direction Photo Taken: N/A			
Description: Monitoring well, QB3 a month since installation. The lock has broken off, most likely by cattle.			

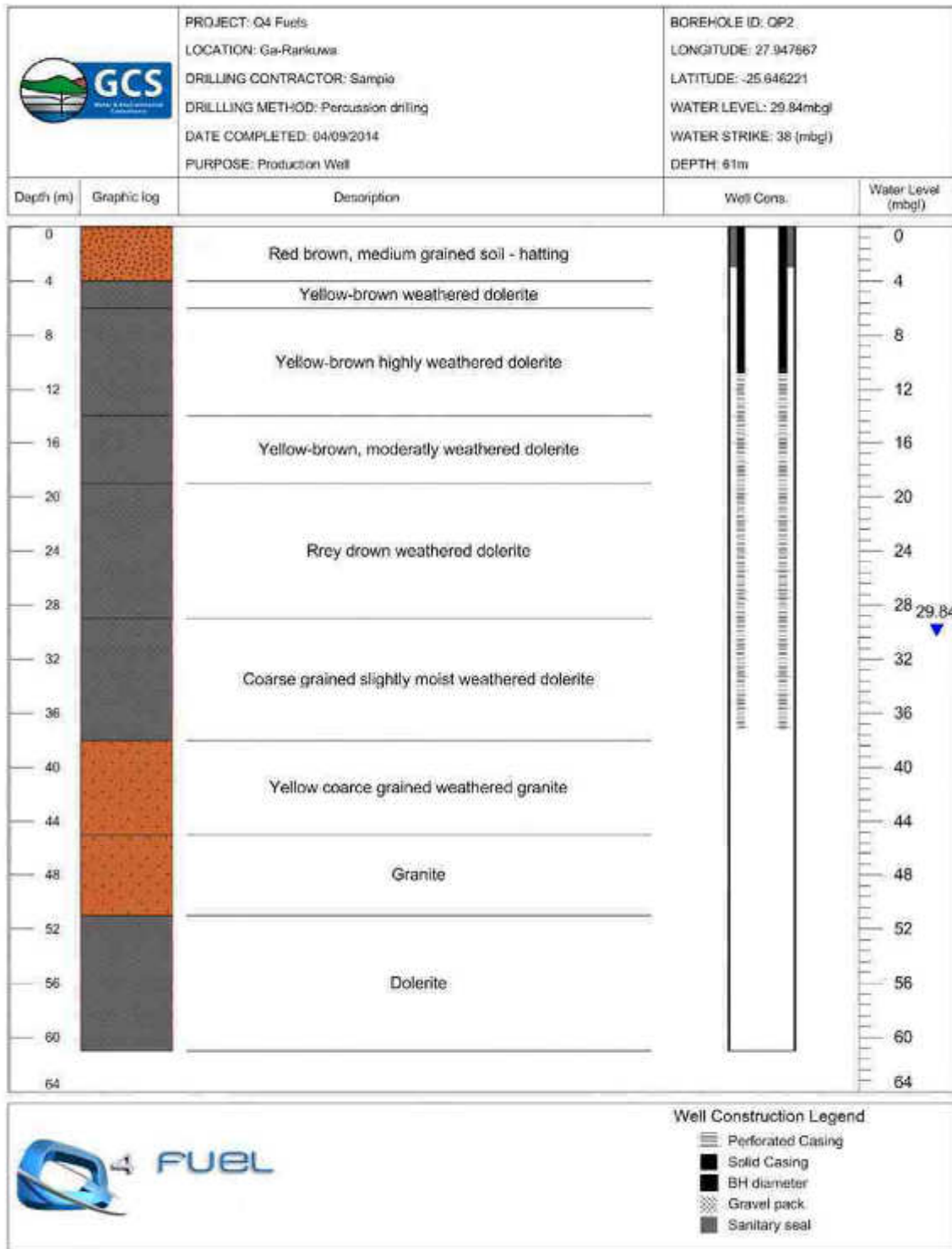
APPENDIX B - BOREHOLE LOGS











APPENDIX C - AQUIFER TEST

CONSTANT DISCHARGE TEST DATA SHEET – QP2				
General Information				
Project No:	14-503			
Borehole No:	QP-2			
Site Name:	Q4 Fuels			
Section:	Section 2			
Latitude:	-25.646771			
Longitude:	27.947667			
Pumping Borehole Information				
Depth of Pump (m):	56			
Collar Height (m):	0.49			
BH diameter (m):	180mm			
Depth of BH (m):	61			
Static water level (m):	29.84			
Test Started				
Date:	12/09/2014			
Time:	14:34			
Test Ended				
Date:	13/09/2014			
Time:	13:34			
Duration (min):	1440			
Time (min)	Drawdown s (m)	Yield (l/s)	Time (min)	Recovery s' (m)
1	34.37	1.4	1	36.63
2	34.57	1.4	2	33.9
3	34.67	1.4	3	32.47
4	34.8	1.4	4	31.47
5	34.87	1.4	5	31.64
6	35.13	1.4	6	31.37
7	35.25	1.4	7	31.15
8	35.39	1.4	8	31.07
9	35.58	1.4	9	31
10	35.65	1.4	10	30.98
11	35.88	1.4	11	30.97
12	35.97	1.4	12	30.96
13	36.02	1.4	13	30.95
14	36.17	1.4	14	30.94
15	36.28	1.4	15	30.93
16	36.39	1.4	16	30.92
17	36.56	1.4	17	30.91
18	36.68	1.4	18	30.9
19	36.8	1.4	19	30.89
20	36.9	1.4	20	30.88
25	37.6	1.6	25	30.84
30	38.17	1.6	30	30.81
40	38.9	2	40	30.81
50	39.44	2	50	30.8
60	39.74	2	60	30.8
75	40.38	2		
90	40.97	2.3		
120	41.75	2.3		
150	42.5	2.3		

180	43.5	2.3
240	44.8	2.3
300	46.2	2.3
360	46.8	2.3
420	47.15	2.3
480	47.28	2.3
600	47.4	2.3
720	47.49	2.3
900	47.5	2.3
1080	47.54	2.3
1440	47.59	2.3
1800		1.785

CONSTANT DISCHARGE TEST DATA SHEET – BH3				
General Information				
Project No:	14-503			
Borehole No:	BH3			
Site Name:	Q4 Fuels			
Section	Section 1			
Latitude:	-25.651373			
Longitude:	27.953246			
Pumping Borehole Information				
Depth of Pump (m):	40.35			
Collar Height (m):	0.2			
BH diameter (m):	0.12			
Depth of BH (m):	Fitted with pump			
Static water level (m):	33.56			
Test Started				
Date:	16/09/2014			
Time:	08h00			
Test Ended				
Date:	17/09/2014			
Time:	08h00			
Duration (min):	1440			
Remarks				
The test was undertaken using an existing pump				
Time (min)	Drawdown s (m)	Yield (l/s)	Time (min)	Recovery s' (m)
1	35.11	0.5	1	36.28
2	35.25	0.5	2	35.89
3	35.47	0.5	3	35.68
4	35.55	0.5	4	35.52
5	35.67	0.5	5	35.4
6	35.71	0.5	6	35.29
7	35.78	0.5	7	35.23
8	35.83	0.5	8	35.15
9	35.88	0.5	9	35.09
10	35.94	0.5	10	35.05
11	35.96	0.5	11	35
12	36	0.5	12	34.96
13	36.02	0.5	13	34.91
14	36.05	0.5	14	34.88

15	36.09	0.5	15	34.84
16	36.17	0.5	16	34.81
17	36.14	0.5	17	34.8
18	36.16	0.5	18	34.78
19	36.17	0.5	19	34.75
20	36.18	0.5	20	34.73
25	36.24	0.5	25	34.64
30	36.3	0.5	30	34.57
40	36.4	0.5	40	34.47
50	36.48	0.5	50	34.38
60	36.58	0.5	60	34.3
75	36.68	0.5	75	34.27
90	36.73	0.5	90	34.21
120	36.81	0.5	120	34.13
150	36.83	0.5		
180	36.89	0.5		
240	36.93	0.5		
300	36.93	0.5		
360	36.93	0.5		
420	36.93	0.5		
480	36.93	0.5		
600	36.95	0.5		
720	37	0.5		
900	37.09	0.5		
1080	37.11	0.5		
1440	37.2	0.5		

CONSTANT DISCHARGE TEST DATA SHEET – BH4

General Information				
Project No:	14-503			
Borehole No:	BH4			
Site Name:	Q4 Fuels			
Section:	Section 1			
Latitude:	-25.65069			
Longitude:	27.953783			
Pumping Borehole Information				
Depth of Pump (m):	45.5			
Collar Height (m):	0.2			
BH diameter (m):	180mm			
Depth of BH (m):	48m			
Static water level (m):	35.1			
Test Started				
Date:	10/09/2014			
Time:	16h00			
Test Ended				
Date:	11/09/2014			
Time:	6h00			
Duration (min):	1440			
Time	Drawdown	Yield	Time	Recovery
(min)	s (m)	(l/s)	(min)	s' (m)
1	36	0.81	1	39.71
2	36.61	0.81	2	39.78
3	37.13	0.81	3	39.07

4	37.26	0.81	4	38.97
5	37.49	0.81	5	38.82
6	37.64	0.81	6	38.75
7	37.77	0.81	7	38.69
8	37.89	0.81	8	38.63
9	37.9	0.81	9	38.6
10	38	0.81	10	38.56
11	38.04	0.81	11	38.54
12	38.14	0.81	12	38.5
13	38.17	0.81	13	38.46
14	38.19	0.81	14	38.4
15	38.2	0.81	15	38.38
16	38.25	0.81	16	38.36
17	38.27	0.81	17	38.34
18	38.32	0.81	18	38.37
19	38.36	0.81	19	38.3
20	38.4	0.81	20	38.29
25	38.57	0.81	25	38.22
30	38.67	0.81	30	38.18
40	38.97	0.81	40	38.08
50	39.11	0.81	50	38
60	39.29	0.81	60	37.95
75	39.42	0.81	75	37.85
90	39.56	0.81	90	37.76
120	39.84	0.81	120	37.65
150	39.96	0.81	150	37.53
180	40.04	0.81	180	37.47
240	40.37	0.81	240	37.27
300	40.52	0.81	300	37.15
360	40.65	0.81		
420	40.75	0.81		
480	40.78	0.81		
600	40.91	0.81		
720	40.92	0.81		
900	40.92	0.81		
1080	40.93	0.81		
1440	40.93	0.81		

APPENDIX D - LABORATORY RESULTS



UIS Organic Laboratory (Pty) Ltd • Reg. No. 2007/001896/07
 VAT No 4340243221
 Unit 3 Carrera House • 17 Sovereign Drive • Route 21 Corporate Park
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 willie@uisol.co.za • http://www.uisol.co.za

CLIENT INFORMATION

GCS (Pty) Ltd
 Claudia Brites
 PO Box 2597
 Rivonia

TEST REPORT

TEST INFORMATION				SCREENING FOR VOLATILE PETROLEUM HYDROCARBONS (VPHs)			
ANALYTICAL METHOD: SPME Extraction and GC-MS METHOD Number: UISOL-T-012							
DATE RECEIVED	27/10/2014	DATE COMPLETED	27/10/2014	DATE ISSUED	27/10/2014		
SAMPLE INFORMATION		Lab No :		8709	A	Matrix: Water	
SAMPLE No	QB3 (water)	Dilution Factor		No Dilution			
Project number	14/503	Project name		14-503 Q4 Fuels			

GASOLINE RANGE ORGANICS (GROs)

MTBE*	<5 µg/liter
TAME*	<5 µg/liter
Benzene	<1 µg/liter
Toluene	<10 µg/liter
Ethyl Benzene	<2 µg/liter
m+p-Xylene	<2 µg/liter
o-Xylene	<2 µg/liter
1,3,5 Trimethyl benzene	<2 µg/liter
1,2,4 Trimethyl benzene	<2 µg/liter
Naphthalene	<2 µg/liter

DIESEL RANGE ORGANICS (DROs)

C10 *	<1 µg/liter
C11 *	<1 µg/liter
C12 *	<1 µg/liter
C13 *	<1 µg/liter
C14 *	<1 µg/liter
C15 *	<1 µg/liter
C16 *	<1 µg/liter
C17 *	<1 µg/liter
C18 *	<1 µg/liter
C19 *	<1 µg/liter
C20 *	<1 µg/liter

POLYCYCLIC AROMATIC COMPOUNDS

Acenaphthene *	<1 µg/liter
Acenaphthylene *	<1 µg/liter
Flourene *	<1 µg/liter
Phenanthrene *	<1 µg/liter
Anthracene *	<1 µg/liter
Fluoranthene *	<1 µg/liter
Pyrene *	<1 µg/liter

DIAGNOSTIC RATIOS

1,3,5TMB : 1,2,4TMB	#Error
(B+T)/(E+X)	#Error

Total VPHs Identified	<10 µg/liter
Estimated VPHs Unidentified	<10 µg/liter
Estimated TOTAL VPHs	<10 µg/liter

Authorised Signatory that approved this report

Reinardt Cromhout

DISCLAIMER: The results only relate to the test items provided. This report may not be reproduced, except in full, without the prior written approval of the laboratory.

Parameters marked " * " in this Report are not included in the SANAS Schedule of Accreditation for this laboratory".

Results marked "A" - Concentration outside calibration range, estimate only



27/10/2014

Page 1 of 2



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CLIENT INFORMATION

GCS (Pty) Ltd
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 PO Box 2597
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TEST REPORT

TEST INFORMATION		SCREENING FOR VOLATILE PETROLEUM HYDROCARBONS (VPHs)	
ANALYTICAL METHOD: SPME Extraction and GC-MS METHOD Number: UISOL-T-012			
DATE RECEIVED	27/10/2014	DATE COMPLETED	27/10/2014
		DATE ISSUED	27/10/2014
SAMPLE INFORMATION		Lab No :	8709 A
		Matrix:	Water
SAMPLE No	QP1 (water)	Dilution Factor	No Dilution
Project number	14/503	Project name	14-503 Q4 Fuels

GASOLINE RANGE ORGANICS (GROs)

MTBE*	<5 µg/liter
TAME*	<5 µg/liter
Benzene	<1 µg/liter
Toluene	<10 µg/liter
Ethyl Benzene	<2 µg/liter
m+p-Xylene	<2 µg/liter
o-Xylene	<2 µg/liter
1,3,5 Trimethyl benzene	<2 µg/liter
1,2,4 Trimethyl benzene	<2 µg/liter
Naphthalene	<2 µg/liter

DIESEL RANGE ORGANICS (DROs)

C10 *	<1 µg/liter
C11 *	<1 µg/liter
C12 *	<1 µg/liter
C13 *	<1 µg/liter
C14 *	<1 µg/liter
C15 *	<1 µg/liter
C16 *	<1 µg/liter
C17 *	<1 µg/liter
C18 *	<1 µg/liter
C19 *	<1 µg/liter
C20 *	<1 µg/liter

POLYCYCLIC AROMATIC COMPOUNDS

Acenaphthene *	<1 µg/liter
Acenaphthylene *	<1 µg/liter
Flourene *	<1 µg/liter
Phenanthrene *	<1 µg/liter
Anthracene *	<1 µg/liter
Fluoranthene *	<1 µg/liter
Pyrene *	<1 µg/liter

DIAGNOSTIC RATIOS

1,3,5TMB : 1,2,4TMB	#Error
(B+T)/(E+X)	#Error

Total VPHs Identified	<10 µg/liter
Estimated VPHs Unidentified	<10 µg/liter
Estimated TOTAL VPHs	<10 µg/liter

Authorised Signatory that approved this report

Reinardt Cromhout

DISCLAIMER: The results only relate to the test items provided. This report may not be reproduced, except in full, without the prior written approval of the laboratory.

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Results marked "A" - Concentration outside calibration range, estimate only



27/10/2014

Page 2 of 2



Client Information

Company :

GCS (Pty) Ltd

Attention:

Claudia Brites

Tel:

(011) 803 5726

Fax:

Address

63 Wessel Road

Woodmead, Rivonia

2128

Analysis Report

Lab No: 3842

SAMPLE INFORMATION

PROJECT NAME	Q4 Fuels
PROJECT NUMBER	14-503
PURCHASE ORDER	N/A

DATE RECEIVED	27/10/2014
DATE COMPLETED	27/10/2014
DATE ISSUED	27/10/2014

<u>Sample ID</u>	<u>Hardness mg equivalent CaCO₃/l</u>	<u>Bicarbonate [HCO₃⁻] mg/l</u>	<u>Electrical Conductivity uS/cm</u>
QP1	324.33	414.8	686
QB3	323.18	430.66	672

Authorized Signatory

WJ. HAVENGA

DISCLAIMER: The results only relate to the test items provided.

This report may not be reproduced, except in full, without the prior written approval of the laboratory.

U.T.D. - Unable To Determine

CLIENT INFORMATION

GCS (Pty) Ltd
 Attention: Claudia Brites
 63 Wessel Road Woodmead
 Rivonia

Water Test Report

LABORATORY NUMBER 3842 A **DATE RECEIVED** 2014/10/27
SAMPLE NUMBER QB3
REPORTING UNIT mg/l [ppm] (unless elsey stated)
TASK PO Nr 14-503 **TASK STARTING DATE** 2014/10/27

Cations and Metals

(Method UISSL-WL-007) [NA]

Ag	<0.05	Cd	<0.05	Mn	0.17	Si	26.02
Al	0.15	Co	<0.05	Mo	<0.05	Sn	<0.05
As	<1	Cr	<0.05	Na	19.9	Sr	<0.05
B	<0.05	Cu	<0.05	Ni	<0.05	Tl	<1
Ba	<0.05	Fe	0.09	P	<0.05	Ti	<1
Be	<0.05	K	0.8	Pb	<1	V	<0.05
Bi	<0.05	Li	<0.05	Sb	<1	Zn	<0.05
Ca	39.4	Mg	54.8	Se	<1		

Anions

(Method UISSL-WL-005) [A]

F	<0.4	[NA]
Cl	12.9	
Br	<0.25	[NA]
NO2	<2	[NA]
NO3	14.2	
NO2 + NO3 as N = 3.2		
SO4	20.4	
PO4	<4	

Other Parameters

TDS	(Method UISSL-WL-004 @ 110 deg C) [A]	399
P-Alk as CaCO3	(Method UISSL-WL-002) [A]	<0.6
M-Alk as CaCO3	(Method UISSL-WL-002) [A]	353
pH	(Method UISSL-WL-003 @ 25 deg C) [A]	7.07
Total Cation meq/l		7.39
Total Anion meq/l		7.60
Cation - Anion Difference in meq/l		-0.21
% Difference		-1.39

Results approved by *WJ Havenga (Approved Signatory)*

NOTE: [NA] = Indicate that the test is not accredited

Reporting date: 27 October 2014 Page 1 of 2

CLIENT INFORMATION

GCS (Pty) Ltd
 Attention: Claudia Brites
 63 Wessel Road Woodmead
 Rivonia

Water Test Report

LABORATORY NUMBER 3842 A **DATE RECEIVED** 2014/10/27
SAMPLE NUMBER QP1
REPORTING UNIT mg/l [ppm] (unless elsey stated)
TASK PO Nr 14-503 **TASK STARTING DATE** 2014/10/27

Cations and Metals

(Method UISSL-WL-007) [NA]

Ag	<0.05	Cd	<0.05	Mn	<0.05	Si	20.09
Al	<0.05	Co	<0.05	Mo	<0.05	Sn	<0.05
As	<1	Cr	<0.05	Na	10.8	Sr	<0.05
B	<0.05	Cu	<0.05	Ni	<0.05	Tl	<1
Ba	<0.05	Fe	0.30	P	<0.05	Ti	<1
Be	<0.05	K	1.6	Pb	<1	V	<0.05
Bi	<0.05	Li	<0.05	Sb	<1	Zn	<0.05
Ca	45.6	Mg	51.3	Se	<1		

Anions

(Method UISSL-WL-005) [A]

F	<0.4	[NA]
Cl	31.4	
Br	<0.25	[NA]
NO2	<2	[NA]
NO3	<2	
NO2 + NO3 as N = 0.0		
SO4	5.4	
PO4	<4	

Other Parameters

TDS	(Method UISSL-WL-004 @ 110 deg C) [A]	452
P-Alk as CaCO3	(Method UISSL-WL-002) [A]	<0.6
M-Alk as CaCO3	(Method UISSL-WL-002) [A]	340
pH	(Method UISSL-WL-003 @ 25 deg C) [A]	7.47
Total Cation meq/l		7.02
Total Anion meq/l		7.20
Cation - Anion Difference in meq/l		-0.18
% Difference		-1.30

Results approved by *WJ Havenga (Approved Signatory)*

NOTE: [NA] = Indicate that the test is not accredited

Reporting date: 27 October 2014 Page 2 of 2



UIS Organic Laboratory (Pty) Ltd • Reg. No. 2007/001896/07
 VAT No 4340243221
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 PO Box 9025 • Centurion • 0046
 Tel. +27 12 3451004 • Fax. +27 12 3451004
 willie@uisol.co.za • http://www.uisol.co.za

CLIENT INFORMATION

GCS (Pty) Ltd
 Claudia Brites
 PO Box 2597
 Rivonia

TEST REPORT

TEST INFORMATION		SCREENING FOR VOLATILE PETROLEUM HYDROCARBONS (VPHs)	
ANALYTICAL METHOD: SPME Extraction and GC-MS METHOD Number: UISOL-T-012			
DATE RECEIVED	18/09/2014	DATE COMPLETED	22/09/2014
		DATE ISSUED	22/09/2014
SAMPLE INFORMATION		Lab No :	8513 A
		Matrix:	Water
SAMPLE No	BH3 (water)	Dilution Factor	No Dilution
Project number	14-503	Project name	Q4 Fuels

GASOLINE RANGE ORGANICS (GROs)

MTBE*	<5 µg/liter
TAME*	<5 µg/liter
Benzene	<1 µg/liter
Toluene	<10 µg/liter
Ethyl Benzene	<2 µg/liter
m+p-Xylene	<2 µg/liter
o-Xylene	<2 µg/liter
1,3,5 Trimethyl benzene	<2 µg/liter
1,2,4 Trimethyl benzene	<2 µg/liter
Naphthalene	<2 µg/liter

DIESEL RANGE ORGANICS (DROs)

C10 *	<1 µg/liter
C11 *	<1 µg/liter
C12 *	<1 µg/liter
C13 *	<1 µg/liter
C14 *	<1 µg/liter
C15 *	<1 µg/liter
C16 *	<1 µg/liter
C17 *	<1 µg/liter
C18 *	<1 µg/liter
C19 *	<1 µg/liter
C20 *	<1 µg/liter

POLYCYCLIC AROMATIC COMPOUNDS

Acenaphthene *	<1 µg/liter
Acenaphthylene *	<1 µg/liter
Flourene *	<1 µg/liter
Phenanthrene *	<1 µg/liter
Anthracene *	<1 µg/liter
Fluoranthene *	<1 µg/liter
Pyrene *	<1 µg/liter

DIAGNOSTIC RATIOS

1,3,5TMB : 1,2,4TMB	#Error
(B+T)/(E+X)	#Error

Total VPHs Identified	<10 µg/liter
Estimated VPHs Unidentified	<10 µg/liter
Estimated TOTAL VPHs	<10 µg/liter

Authorised Signatory that approved this report

Reinardt Cromhout

DISCLAIMER: The results only relate to the test items provided. This report may not be reproduced, except in full, without the prior written approval of the laboratory.

Parameters marked " * " in this Report are not included in the SANAS Schedule of Accreditation for this laboratory".

Results marked "A" - Concentration outside calibration range, estimate only



22/09/2014

Page 1 of 3



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CLIENT INFORMATION

GCS (Pty) Ltd
Claudia Brites
PO Box 2597
Rivonia

TEST REPORT

TEST INFORMATION SCREENING FOR VOLATILE PETROLEUM HYDROCARBONS (VPHs)

ANALYTICAL METHOD: SPME Extraction and GC-MS METHOD Number: UISOL-T-012

DATE RECEIVED 18/09/2014 DATE COMPLETED 22/09/2014 DATE ISSUED 22/09/2014

SAMPLE INFORMATION

Lab No : **8513 A** Matrix: **Water**

SAMPLE No **BH4 (water)**

Dilution Factor No Dilution

Project number 14-503

Project name Q4 Fuels

GASOLINE RANGE ORGANICS (GROs)

MTBE* <5 µg/liter
TAME* <5 µg/liter
Benzene <1 µg/liter
Toluene <10 µg/liter
Ethyl Benzene <2 µg/liter
m+p-Xylene <2 µg/liter
o-Xylene <2 µg/liter
1,3,5 Trimethyl benzene <2 µg/liter
1,2,4 Trimethyl benzene <2 µg/liter
Naphthalene <2 µg/liter

POLYCYCLIC AROMATIC COMPOUNDS

Acenaphthene * <1 µg/liter
Acenaphthylene * <1 µg/liter
Flourene * <1 µg/liter
Phenanthrene * <1 µg/liter
Anthracene * <1 µg/liter
Fluoranthene * <1 µg/liter
Pyrene * <1 µg/liter

DIESEL RANGE ORGANICS (DROs)

C10 * <1 µg/liter
C11 * <1 µg/liter
C12 * <1 µg/liter
C13 * <1 µg/liter
C14 * <1 µg/liter
C15 * <1 µg/liter
C16 * <1 µg/liter
C17 * <1 µg/liter
C18 * <1 µg/liter
C19 * <1 µg/liter
C20 * <1 µg/liter

DIAGNOSTIC RATIOS

1,3,5TMB : 1,2,4TMB #Error
(B+T)/(E+X) #Error

Total VPHs Identified	<10 µg/liter
Estimated VPHs Unidentified	<10 µg/liter
Estimated TOTAL VPHs	<10 µg/liter

Authorised Signatory that approved this report

Reinardt Cromhout

DISCLAIMER: The results only relate to the test items provided. This report may not be reproduced, except in full, without the prior written approval of the laboratory.

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Results marked "A" - Concentration outside calibration range, estimate only



22/09/2014

Page 2 of 3



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CLIENT INFORMATION

GCS (Pty) Ltd
 Claudia Brites
 PO Box 2597
 Rivonia

TEST REPORT

TEST INFORMATION		SCREENING FOR VOLATILE PETROLEUM HYDROCARBONS (VPHs)	
ANALYTICAL METHOD: SPME Extraction and GC-MS METHOD Number: UISOL-T-012			
DATE RECEIVED	18/09/2014	DATE COMPLETED	22/09/2014
		DATE ISSUED	22/09/2014
SAMPLE INFORMATION		Lab No :	8513 A
		Matrix:	Water
SAMPLE No	QP2 (water)	Dilution Factor	No Dilution
Project number	14-503	Project name	Q4 Fuels

GASOLINE RANGE ORGANICS (GROs)

MTBE*	<5 µg/liter
TAME*	<5 µg/liter
Benzene	<1 µg/liter
Toluene	<10 µg/liter
Ethyl Benzene	<2 µg/liter
m+p-Xylene	<2 µg/liter
o-Xylene	<2 µg/liter
1,3,5 Trimethyl benzene	<2 µg/liter
1,2,4 Trimethyl benzene	<2 µg/liter
Naphthalene	<2 µg/liter

DIESEL RANGE ORGANICS (DROs)

C10 *	<1 µg/liter
C11 *	<1 µg/liter
C12 *	<1 µg/liter
C13 *	<1 µg/liter
C14 *	<1 µg/liter
C15 *	<1 µg/liter
C16 *	<1 µg/liter
C17 *	<1 µg/liter
C18 *	<1 µg/liter
C19 *	<1 µg/liter
C20 *	<1 µg/liter

POLYCYCLIC AROMATIC COMPOUNDS

Acenaphthene *	<1 µg/liter
Acenaphthylene *	<1 µg/liter
Flourene *	<1 µg/liter
Phenanthrene *	<1 µg/liter
Anthracene *	<1 µg/liter
Fluoranthene *	<1 µg/liter
Pyrene *	<1 µg/liter

DIAGNOSTIC RATIOS

1,3,5TMB : 1,2,4TMB	#Error
(B+T)/(E+X)	#Error

Total VPHs Identified	<10 µg/liter
Estimated VPHs Unidentified	<10 µg/liter
Estimated TOTAL VPHs	<10 µg/liter

Authorised Signatory that approved this report

Reinardt Cromhout

DISCLAIMER: The results only relate to the test items provided. This report may not be reproduced, except in full, without the prior written approval of the laboratory.

Parameters marked “ * ” in this Report are not included in the SANAS Schedule of Accreditation for this laboratory”.

Results marked "A" - Concentration outside calibration range, estimate only



22/09/2014

Page 3 of 3



Client Information

Company :

GCS (Pty) Ltd

Attention:

Claudia Brites

Tel:

(011) 803 5726

Fax:

Address

63 Wessel Road

Woodmead, Rivonia

2128

Analysis Report

Lab No: 3836

SAMPLE INFORMATION

PROJECT NAME	Q4 Fuels
PROJECT NUMBER	14-503
PURCHASE ORDER	N/A

DATE RECEIVED	18/09/2014
DATE COMPLETED	22/09/2014
DATE ISSUED	22/09/2014

<u>Sample ID</u>	<u>Hardness mg equivalent CaCO₃/l</u>	<u>Bicarbonate [HCO₃⁻] mg/l</u>
BH 3	269.14	333.06
BH 4	256.43	290.36
QP 2	341.59	445.3

Authorized Signatory

WJ. HAVENGA

DISCLAIMER: The results only relate to the test items provided.

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U.T.D. - Unable To Determine

CLIENT INFORMATION

GCS (Pty) Ltd
 Attention: Claudia Brites
 63 Wessel Road Woodmead
 Rivonia

Water Test Report

LABORATORY NUMBER 3836 A **DATE RECEIVED** 2014/09/18
SAMPLE NUMBER BH 4
REPORTING UNIT mg/l [ppm] (unless elsey stated)
TASK PO Nr 14-503 **TASK STARTING DATE** 2014/09/18

Cations and Metals

(Method UISSL-WL-007) [NA]

Ag	<0.05	Cd	<0.05	Mn	<0.05	Si	23.08
Al	<0.05	Co	<0.05	Mo	<0.05	Sn	<0.05
As	<1	Cr	<0.05	Na	10.8	Sr	<0.05
B	<0.05	Cu	<0.05	Ni	<0.05	Tl	<1
Ba	<0.05	Fe	<0.05	P	<0.05	Ti	<1
Be	<0.05	K	0.2	Pb	<1	V	<0.05
Bi	<0.05	Li	<0.05	Sb	<1	Zn	<0.05
Ca	40.9	Mg	37.5	Se	<1		

Anions

(Method UISSL-WL-005) [A]

F	<0.4
Cl	12.4
Br	<0.25
NO2	<2
NO3	38.4
NO2 + NO3 as N = 8.7	
SO4	4.4
PO4	<4

Other Parameters

TDS	(Method UISSL-WL-004 @ 110 deg C) [A]	366
P-Alk as CaCO3	(Method UISSL-WL-002) [A]	<0.6
M-Alk as CaCO3	(Method UISSL-WL-002) [A]	238
pH	(Method UISSL-WL-003 @ 25 deg C) [A]	7.10
Total Cation meq/l		5.60
Total Anion meq/l		5.64
Cation - Anion Difference in meq/l		-0.04
% Difference		-0.38

Results approved by *WJ Havenga (Technical Manager)*

NOTE: [A]= accredited and [NA] = Not accredited

Reporting date: 22 September 2014 Page 1 of 3

CLIENT INFORMATION

GCS (Pty) Ltd
 Attention: Claudia Brites
 63 Wessel Road Woodmead
 Rivonia

Water Test Report

LABORATORY NUMBER 3836 A **DATE RECEIVED** 2014/09/18
SAMPLE NUMBER BH 3
REPORTING UNIT mg/l [ppm] (unless elsey stated)
TASK PO Nr 14-503 **TASK STARTING DATE** 2014/09/18

Cations and Metals

(Method UISSL-WL-007) [NA]

Ag	<0.05	Cd	<0.05	Mn	<0.05	Si	27.83
Al	<0.05	Co	<0.05	Mo	<0.05	Sn	<0.05
As	<1	Cr	<0.05	Na	11.2	Sr	0.09
B	<0.05	Cu	<0.05	Ni	<0.05	Tl	<1
Ba	<0.05	Fe	<0.05	P	<0.05	Ti	<1
Be	<0.05	K	0.4	Pb	<1	V	<0.05
Bi	<0.05	Li	<0.05	Sb	<1	Zn	<0.05
Ca	38.0	Mg	42.8	Se	<1		

Anions

(Method UISSL-WL-005) [A]

F	<0.4
Cl	8.5
Br	<0.25
NO2	<2
NO3	25.4
NO2 + NO3 as N = 5.7	
SO4	4.0
PO4	<4

Other Parameters

TDS	(Method UISSL-WL-004 @ 110 deg C) [A]	396
P-Alk as CaCO3	(Method UISSL-WL-002) [A]	<0.6
M-Alk as CaCO3	(Method UISSL-WL-002) [A]	275
pH	(Method UISSL-WL-003 @ 25 deg C) [A]	7.44
Total Cation meq/l		5.92
Total Anion meq/l		6.06
Cation - Anion Difference in meq/l		-0.14
% Difference		-1.19

Results approved by *WJ Havenga (Technical Manager)*

NOTE: [A]= accredited and [NA] = Not accredited

Reporting date: 22 September 2014 Page 2 of 3

CLIENT INFORMATION

GCS (Pty) Ltd
 Attention: Claudia Brites
 63 Wessel Road Woodmead
 Rivonia

Water Test Report

LABORATORY NUMBER 3836 A **DATE RECEIVED** 2014/09/18
SAMPLE NUMBER QP 2
REPORTING UNIT mg/l [ppm] (unless elsey stated)
TASK PO Nr 14-503 **TASK STARTING DATE** 2014/09/18

Cations and Metals

(Method UISSL-WL-007) [NA]

Ag	<0.05	Cd	<0.05	Mn	<0.05	Si	30.40
Al	<0.05	Co	<0.05	Mo	<0.05	Sn	<0.05
As	<1	Cr	<0.05	Na	10.6	Sr	0.11
B	<0.05	Cu	<0.05	Ni	<0.05	Tl	<1
Ba	<0.05	Fe	<0.05	P	<0.05	Ti	<1
Be	<0.05	K	<0.05	Pb	<1	V	<0.05
Bi	<0.05	Li	<0.05	Sb	<1	Zn	<0.05
Ca	45.0	Mg	55.7	Se	<1		

Anions

(Method UISSL-WL-005) [A]

F	<0.4
Cl	6.1
Br	<0.25
NO2	<2
NO3	12.7
NO2 + NO3 as N = 2.9	
SO4	<4
PO4	<4

Other Parameters

TDS	(Method UISSL-WL-004 @ 110 deg C) [A]	438
P-Alk as CaCO3	(Method UISSL-WL-002) [A]	<0.6
M-Alk as CaCO3	(Method UISSL-WL-002) [A]	365
pH	(Method UISSL-WL-003 @ 25 deg C) [A]	7.02
Total Cation meq/l		7.29
Total Anion meq/l		7.27
Cation - Anion Difference in meq/l		0.02
% Difference		0.12

Results approved by *WJ Havenga (Technical Manager)*

NOTE: [A]= accredited and [NA] = Not accredited

Reporting date: 22 September 2014 Page 3 of 3

ANNEXURE D

**BROCHURE OF BECON BIO FILTER
PACKAGE PLANT**

PROJECT ENGINEERS IN WATER & WASTEWATER

Our Ref: 5582

19 May 15

VIP Consulting Engineers
88A Pony Street
Tigervallei
Pretoria

Attention: Henk Viljoen

Dear Sir,

Q4 CITY PACKAGE PLANT TREATMENT ENQUIRY

Becon Watertech has been manufacturing, assembling, supplying, installing, commissioning, operating and maintaining this process for over 37 years on a Design and Supply turnkey basis and as an Own Equipment Manufacturer (OEM).

During this period, more than 1,800 units have been installed in Africa and across the Indian Ocean Islands to local & national government departments (including schools, hospitals, small towns and developments, prisons, border posts, shopping malls, police stations etc); private estates; hotels and holiday developments; private sector industrial locations; power stations and mining sites and villages.

Our reference, company profile and other supporting documentation will be included in the electronic submission requested by you.

1. Process Description

The Becon Watertech configuration is based on the Trickle Filter Process and deploys the rotating biological contactor (RBC) derivative. The Becon Watertech process includes the following process stages:

- Primary Phase Separation via septic tanks.
The septic tank allows for the gross removal of organic material by settlement and anaerobic oxidation. In instances where the flow is deemed low, as is the case with the Hills Estate application, no inlet screen is deemed necessary, as screenable material will be collected in the septic tank. The septic tank makes provision for the accumulation of this material and has design features incorporated to ensure that this activity does not cause unnecessary blockages across the tank.

All septic tanks do require servicing and desludging at some stage since the rate of sludge accumulation exceeds the slow growth rate of the anaerobic bacteria and hence their capacity to break down organic material.

- The settled sewage from the septic tank is then discharged under gravity to the RBC stage where further organic reduction and ammonia nitrification is achieved under aerobic conditions. The aerobic conditions are achieved by the rotation of the discs, on which the micro-organisms are attached and growing, at a low speed of approximately 3 to 4 RPM. The Becon Watertech discs are manufactured from a polyurethane base and are 2m diameter discs assembled onto a 60mm steel shaft. The discs are high density and impermeable, and tend to float in the RBC basin, reducing the load imposed on the shaft. End bearings are provided to secure the unit to the RBC basin. The energy requirement per rotor is 0.75kW and each rotor contains around 85 discs, providing adequate surface area for the corresponding organic load
- A secondary settling tank, or humus tank, is required for the collection and removal of surplus bacteria that is removed from the discs by the rotation action of the disc in and out of the water. The Becon Watertech design utilises the standard Dortmund type tank for this application. The collected humus is returned to the septic tank for anaerobic digestion, eliminating the need for sludge drying beds on site. A small desludge pump of approximately 0.35kW is provided for this purpose.
- Since pathogenic bacteria are not removed by the micro-organism population generated in any sewage treatment process by any adequate degree, a tertiary disinfection stage is typically deployed to eliminate these potentially disease forming bacteria. Provision has been made for disinfection (sodium hypochlorite dosage recommended). We do not recommend Ozone disinfection as it is expensive, and an additional mechanical item that requires maintenance and operation is difficult to control

2. Scope of Work

We confirm that the maximum average daily hydraulic load will be no more than 16 m³/day and that the sewage will be typically domestic in nature. Our corresponding raw sewage strength utilised in determining the raw sewage organic load is 550mg/l as Chemical Oxygen Demand (COD), resulting in a raw sewage load of 8.8 kgCOD/day. The Becon Model 75 T is design to process 10 kgCOD/Day

We propose the following process assembly to ensure that a robust, sustainable and accessible system is provided to ensure effective and efficient performance, operation and maintenance:

- i. A primary phase septic tank constructed from reinforced concrete and with a minimum volume of 15m³. We have excluded this from our initial scope, but can offer construction drawings that can be made available to local contractors for the construction thereof.

- ii. Included in the Becon Scope of Supply is the provision of a Becon Model 75 Tank Unit. This unit comprises our standard assembled Becon Bio-Filter rotor comprising a minimum number of 85 plastic polyurethane moulded discs of 2m diameter, fitted and compressed onto a 60mm stub ended steel shaft with our support assembly design. The Becon Bio-Filter rotor is fitted into a copon epoxy coated steel tank and is fitted with self aligning sealed type plumber block bearings at each end. A 380V three phase direct drive combined gear and motor unit is provided to one end to ensure adequate rotation of the rotor. A protective canopy is provided for the Becon Bio-Filter rotor unit.
- iii. Attached to and included in the construction of the Becon Bio-Filter Model 75 Tank Unit is the secondary humus settling tank, which is continuous with the steel rotor basin, constructed as one unit. The secondary humus settling tank internal piping and mechanical equipment is also pre-assembled into the steel settling tank section.
- iv. A weather proof control panel for the gearbox drive and humus return pump is included in the Becon Scope of Supply.

Our cost for the delivery of the Scope of Services as presented is **ZAR 389,000.00**

Excluded from the above installation costs are:

- a) Any excavation and backfill/making good across any paved area, access road or pedestrian walkway.
- b) Provision of a potable water point on the existing site.
- c) Provision of 380V three phase main power supply cable to our electrical control panel.
- d) Lift Pump Station

In addition we offer, and strongly advise the favourable consideration of, a routine maintenance, servicing and assessment service that is provided through our fully trained and equipped local agent, at a cost of **ZAR 1,950.00 per month excl of any applicable taxes**. This service includes an overall assessment of the works condition, the elctro-mechanical component functionality, mechanical equipment servicing, collection of a septic tank and final effluent sample for analysis the interpretation of the analytical data and the presentation of the monthly site inspection, servicing and analytical data in a report format. The above allows for one site visit per month. No equipment repair or replacement is included in the above, but will be offered on a cost plus 10% basis. General engineering consumables inclusive of grease and gearbox oil is included.

The above quoted costs are valid for two weeks, after which they are subject to confirmation on receipt of an order.

Delivery of the Becon Model 75 Tank Unit is 4 to 6 weeks, ex works, on receipt of a valid order.

Payment terms for the supply of the Becon Model 75 Tank Unit is 60% on order, 30% on completion ex works and the balance on final commissioning and handover. Payment terms are strictly 30 days from date of invoice.

Becon Watertech retains ownership of all equipment until full payment is received.

We trust that we have provided you with adequate information for this potential project. If you require any additional information, please do not hesitate to contact us

Yours faithfully
W Olivier
for Becon Watertech



Becon Bio-Tainer Prefabricated Containerised RBC Wastewater Treatment Plants



The Becon Bio-Filter Container Module comprises of a Bio-Filter Model 150 person RBC unit built into a standard 6m shipping container, complete with own settlement tank and accessories. These plants can become operational immediately on arrival on site, after connecting pipework and power to the units.



Becon Bio-Tainer Exterior



Becon Bio-Tainer Interior

P.O. BOX 912-504
SILVERTON 0127
PRETORIA, SOUTH AFRICA

TEL: (012) 804-1128
FAX: (012) 804-1159
E-MAIL: becwater@icon.co.za

P.O. BOX 2246
CLARKSON WA 6030
PERTH, WESTERN AUSTRALIA

TEL: (08) 9407-8444
FAX: (08) 9407-8444
E-MAIL: becwaterap@bigpond.com

Becon Bio-Tainer RBC plants are compact economical self contained portable packaged sewage and industrial effluent plant units suitable for treatment of flows from Construction Camps, Mines, and Rural Schools, Villages, Shopping Centres, Hotels, and Hospitals.

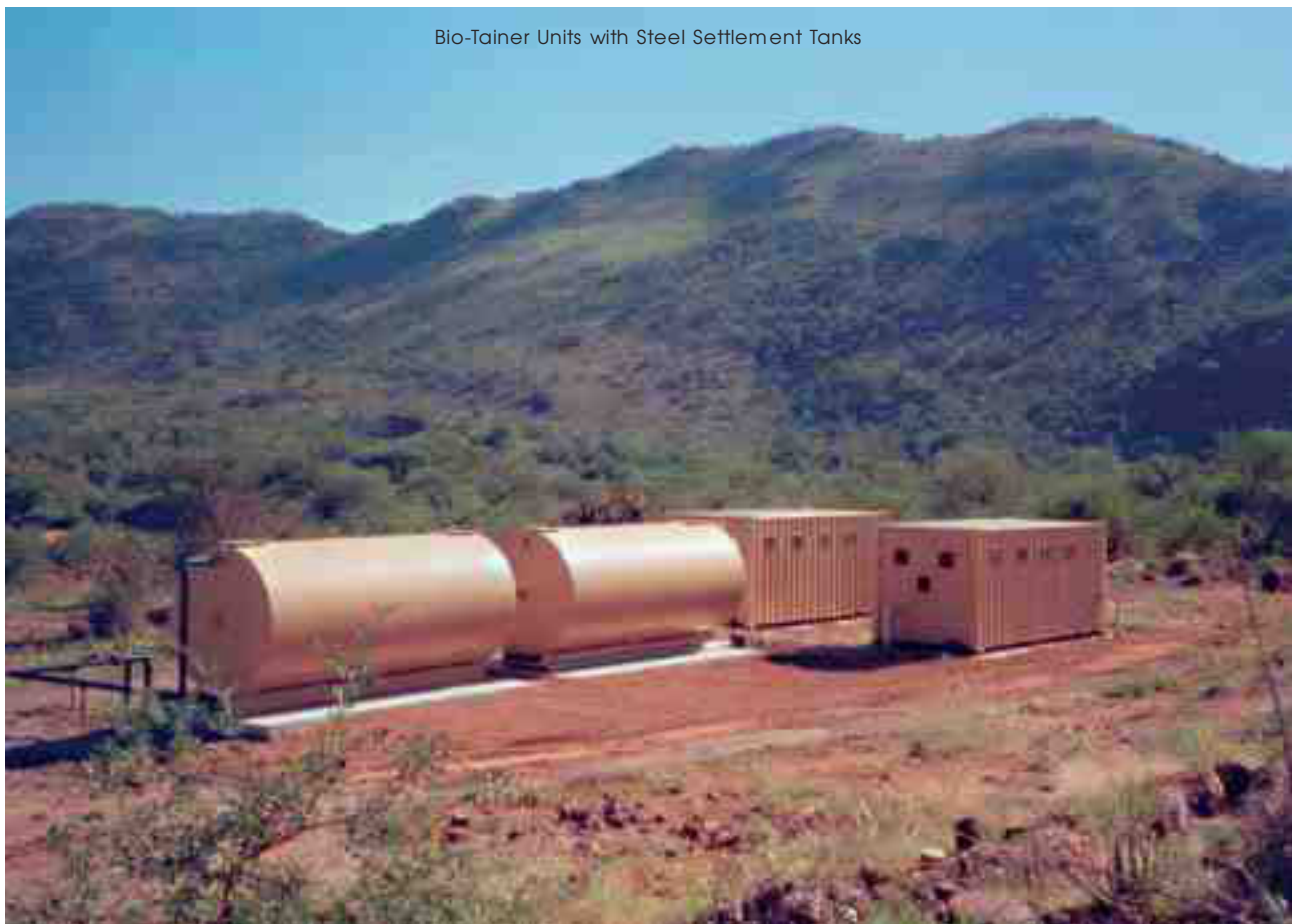
The units can be easily transported worldwide by road, rail or sea freight as they are constructed into standard ISO shipping containers. The units are fully portable and ideal for temporary sites and can be installed, and removed from any location within a few hours, due to their standard self contained design.

The Becon Bio-Tainer plant accommodates the well known and reliable Becon Bio-Filter Rotating Biological Contactor (RBC) unit of which some 1,500 units have been manufactured and installed since 1975.

The operational process of these Bio-Tainer plants is simple and comprises of a primary combined settlement tank and anaerobic digester, a secondary aerobic process comprising of the Becon Bio-Filter RBC fixed film reactor unit, followed by a humus settlement tank with disinfection section.

The RBC process is simplistic and self compensating to load fluctuations, and requires a minimum of attention. Features of the Becon RBC units are low power demand, noise free operation, low operator skill requirements and low maintenance costs.

Standard Becon Bio-Tainer units are designed to handle a flow from 15 Kl/day (75 persons) upwards. For large flow requirements, multiple units can be installed to operate in parallel.



Bio-Tainer Units with Steel Settlement Tanks

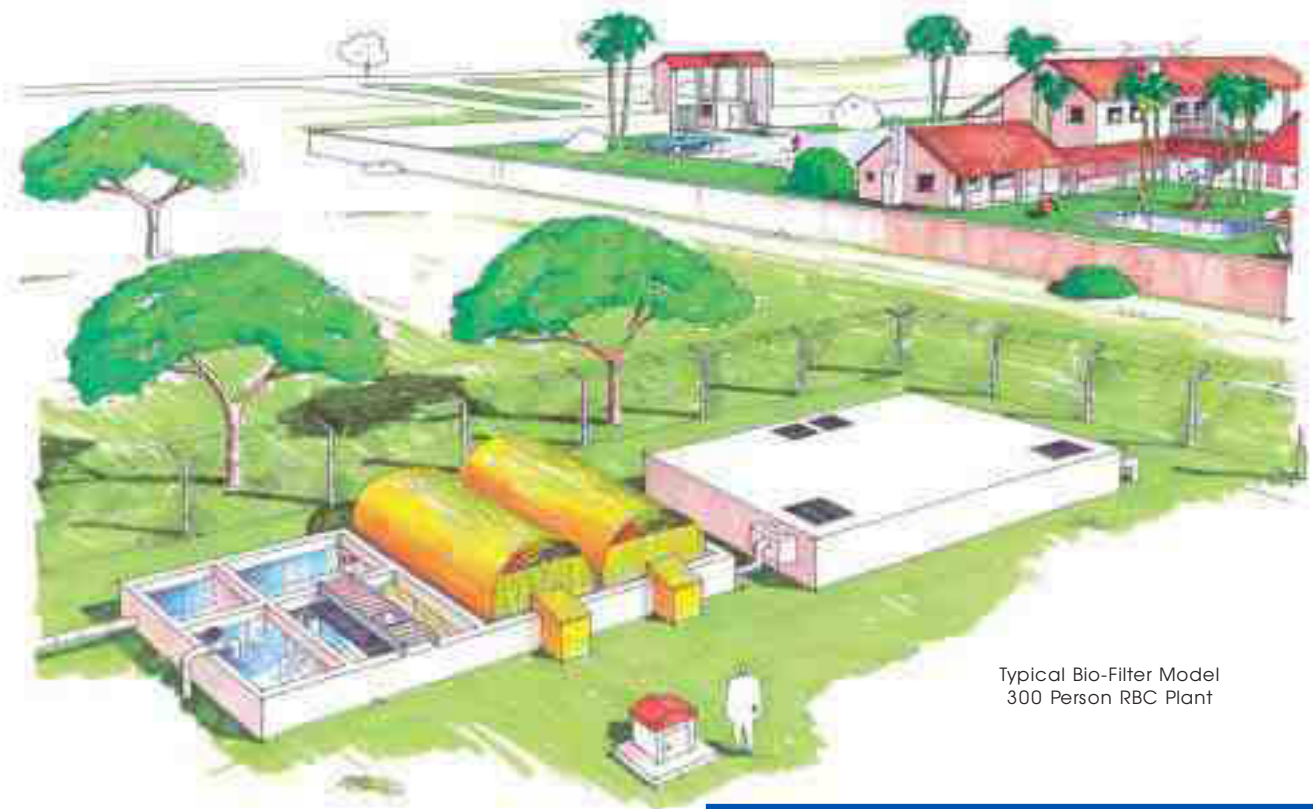
Becon Watertech

Established 1975

LOCAL AGENT



Becon Bio-Filter Rotating Biological Contactor Sewage Purification Plants for Smaller Communities



Typical Bio-Filter Model
300 Person RBC Plant

Becon Bio-Filter RBC plants are most economical for the handling of sewage and effluents from Schools, Hotels, Resorts, Mines and Smaller Villages where flows from 50 persons up to 2500 persons are relevant. The RBC process is also suitable for treating bio-degradable industrial wastewater.

Since 1975 some 1500 Becon Bio-Filter RBC plants have been manufactured and supplied by Becon Watertech.

The operational process of the plants is simple and comprises of a primary combined settlement tank and anaerobic digester, a secondary aerobic process comprising of the Becon Bio-Filter RBC fixed film reactor units, followed by a humus settlement tank and a disinfection tank. Reactor tanks are normally RC structures, but prefabricated skid mounted or containerised units are available for small plants.



Becon Mini RBC Packaged Plant



Becon Standard RBC Plant

P.O. BOX 912-504
SILVERTON 0127
PRETORIA, SOUTH AFRICA

TEL: (012) 804-1128
FAX: (012) 804-1159
E-MAIL: becwater@icon.co.za

P.O. BOX 2246
CLARKSON WA 6030
PERTH, WESTERN AUSTRALIA

TEL: (08) 9407-8444
FAX: (08) 9407-8444
E-MAIL: becwaterap@bigpond.com

The RBC process is simplistic and requires a minimum of attention. The units can be installed near to buildings and require a minimum space, are clean and aesthetically pleasing, and are designed to produce an effluent to Specified Standards.

Features of the RBC units are low power demand, noise free operation, low operator skill requirements and low maintenance costs.

As the Becon Bio-Filter RBC units are modular, plant extensions are simple. A standard range of plants are available between 10kl/day (50 persons) and 500kl/day (2500 persons) flow capacity.

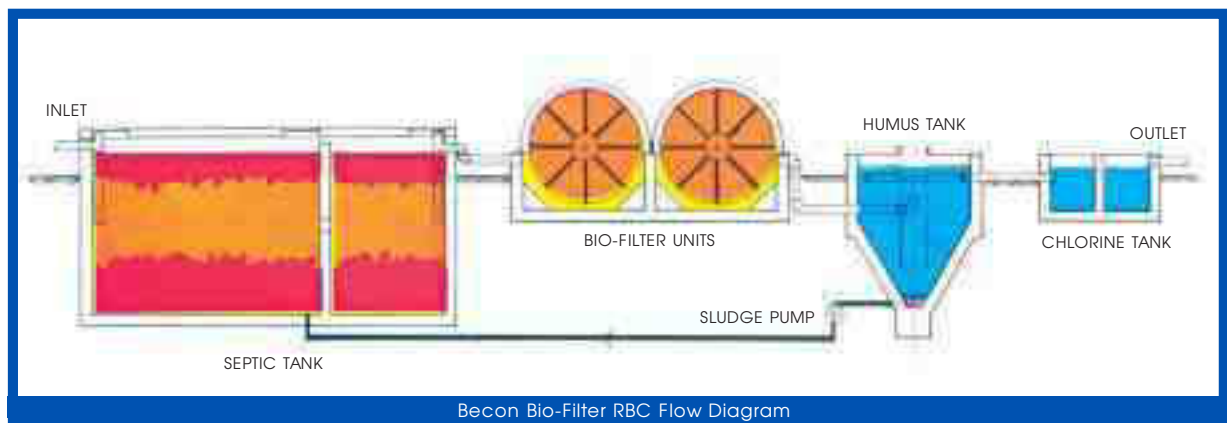
Mini packaged plants are also available for flows from 50 to 300 persons.

The Bio-Filter RBC disc filter units manufactured by Becon Watertech comprise of heavy duty shafts and polyurethane moulded discs, which are assembled to form a high quality heavy duty RBC fixed film reactor unit. The RBC units rotate at 4 rpm and are powered by direct shaft mounted heavy duty geared motors to ensure a long and maintenance free operation of the units.

Becon Watertech offers:

- a) Comprehensive design and advisory service on sewage treatment problems.
- b) Turnkey projects undertaken from initial investigation stage through civil construction stage to commissioning of complete plants.

STANDARD BIO-FILTER PLANTS								
Model No	75	150	300	450	600	750	1000	1500
No of persons	75	150	300	450	600	750	1000	1500
No of rotors	1 x 2m	1 x 2m	2 x 2m	3 x 2m	4 x 2m	5 x 2m	6 x 2m	8 x 2m
Disc area (m ²)	375	750	1500	2250	3000	3750	4500	7500
KW rating of plant (kW)	0,5	0,75	1,5	2,0	3,0	3,75	4,5	6
BOD loading (kg)	4	8	16	24	32	44	54	90
Hydraulic loading (m ³ /day)	15	30	60	90	120	160	200	300
Septic tank volume (m ³)	15	30	60	90	120	160	200	300
Humus tank dia (m)	1,5 x 1,5	1,8 x 1,8	2,500	3,500	3,750	4,000	5,000	6,000
Chlorine tank volume (m ³)	0,60	1,25	2,50	3,75	5,00	6,50	8,00	10,00
Area required for plant (m ²)	150	150	200	400	600	700	800	1200



Becon Watertech
Established 1975

LOCAL AGENT

ANNEXURE E

THE WASTE GROUP PERMITS

RUSTENBURG LOCAL MUNICIPALITY

**DIRECTORATE: COMMUNITY DEVELOPMENT
WASTE MANAGEMENT**



P O Box 16, Rustenburg, 0300, North West Province, South Africa
Tel: (014) 590 3101 Fax: (014) 590 3107 Email: wsenhe@rustenburg.gov.za

The Waste Group

Attention : Kobus Combrink

LETTER OF PERMISSION TO TRANSPORT WASTE

Rustenburg Municipality (Waste Management) is granting your institution a permission to transport waste within the Rustenburg Municipality jurisdiction.

Waste types that will be transported: General waste, Industrial waste, Hazardous waste, and Recycling.

The transportation of waste should be done in compliance with the Municipal by-laws (Waste by-law).

This memo is valid till March 2015.

Regards

HEAD: WASTE MANAGEMENT

/ mm

2014-10-27



Reference no: TWP 14/0015

Environmental Management Services Department Waste Management Division

WASTE TRANSPORTATION PERMIT

This is to certify that:
THE WASTE GROUP (PTY) LTD

Has been issued with a Permit for removal and transportation of the below mentioned waste within the City of Tshwane Jurisdiction:

- ❖ GENERAL WASTE
- ❖ HAZARDOUS WASTE
- ❖ MEDICAL WASTE

Your company is hereby granted a waste transportation permit in terms of the Solid Waste By – Laws for the City of Tshwane Metropolitan Municipality 2005 for a one (1) year period where after a new permit must be obtained.

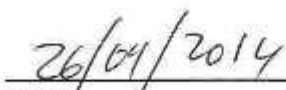
The permit is subject to the conditions as stipulated in the waste permit letter.

Date of Expiry: 30 September 2015

Although this permit is issued in terms of the City of Tshwane Solid Waste By-laws, this permit does not negate the holder from complying with other applicable statutory requirements. Including *inter alia* the requirements of the National Environmental Management: Waste Act, 2008 (Act No.59 of 2008).


Phatuwani Tshivhase

ACTING EXECUTIVE DIRECTOR: WASTE MANAGEMENT


Date



Environmental Management Services Department Waste Management Division

Waste Management | 1st Floor | Nr 11 Francis Baard Street | Pretoria | 0001
PO Box 1454 | Pretoria | 0001
Tel: 012 358 2263 | Tel: 012 358 4755 | Fax: 086 694 2415
Email: Angeliqum@tshwane.gov.za | www.tshwane.gov.za | www.facebook.com/City of Tshwane

My ref: TWP14/0015
Your ref:
Contact person: Louis Makhubele
Section/Unit: Waste Management Operations

Tel: 012 358 5616
Fax: 086 694 2415
Email: LouisMa@tshwane.gov.za

THE WASTE GROUP (PTY) LTD

PERMIT FOR REMOVAL AND TRANSPORTATION OF WASTE IN THE CITY OF TSHWANE JURISDICTION

The permit is subject to the following conditions:

1. The permit is for collecting and transporting of general, hazardous and medical waste to permitted waste disposal facilities.
2. This permit is applicable to the client information provided in the permit application document. The permit holder must advise the Municipality as soon as possible of any change in the information provided to the Municipality in the application for the permit.
3. Only waste that is stipulated on the issued permit may be transported.
4. It should be noted that any person involved in any way in recycling must comply with the requirements of the National Environmental Management: Waste Act No. 58 of 2008 (NEMA: WA) and the Environmental Impact Assessment (EIA) regulations made under Section 24(5) of the National Environmental Management Act 2008 (NEMA) No. 107 of 1998.
5. The permit holder must ensure that the vehicle/s to which the permit applies does not spill or leak waste materials at any time as stipulated in the permit application.
6. The vehicle, trailers and containers should comply with the provisions of the National Road Traffic Act, 1996.
7. The permit is subject to all applicable National, Provincial, and Local legislation as well as directives of the City of Tshwane.
8. You may be required quarterly to inform this Department of the volumes and types of waste recycled. This information will be used for statistics in the Tshwane region as required by the Department of Environmental Affairs (DEA).

Failure to comply with these requirements could result in the permit being withdrawn.

Kind regards,

Fhatuwani Tshivhase
ACTING EXECUTIVE DIRECTOR: WASTE MANAGEMENT

Our ref: 5564-let01-gb

02 March 2015

VIP Consulting Engineers
PO Box 11211
Silver Lakes
0054

Attention: Mr Henk Viljoen

Dear Sir,

SEWAGE TREATMENT PROJECT – PROPOSED Q4 PETROL SITE

We thank you for your interest shown in our technologies and refer to our recent discussion on the above potential project.

We understand from the electronic correspondence received that a sewage treatment facility is required for the above-mentioned development, located on the Rustenburg to Pretoria highway.

The required Average Daily Flow is 29m³/day and is used for the basis of selecting any sewage treatment process and capacity. In addition, the peak flow needs to be considered to ensure that the selected and installed process can receive this peak flow adequately during peak flow periods.

We consider a peak factor of 2.0 for our standard domestic sewage design and applications and is catered for in our standard designs and project implementation. However, when peak flows may be exaggerated due to operating conditions on site, it is typical to provide a suitably sized flow-balancing tank, of which we have provided in the past. Alternatively, the size of the hydraulic load sensitive septic tank and secondary settling tank, in our process layout, can be increased to accommodate these peak flow periods.

Our systems are typically based on a domestic raw sewage strength of between 500 and 600 mg/l of Chemical Oxygen Demand (COD), or an equivalent BOD concentration of approximately 250 to 300mg/l. In addition, and especially where centralised kitchens or fast food outlets are discharging into the sewer, the installation of a suitable fat trap is strongly recommended to remove excess fats, oils and grease that is usually generated on these sites. The domestic raw sewage inflow should not have a fats, oils and grease concentration in excess of 10mg/l.

Our process incorporates a primary phase separation stage, in the form of a septic tank, followed by the Becon Bio-Filter rotating discs, secondary humus settling tank and tertiary disinfection and chlorine contact tank.

Raw sludge is allowed to accumulate in the septic tank where it settles and is stabilised by anaerobic digestion over a long retention period. Annual to two year desludge cycles are the norm and can be executed by utilising the services of a mobile tanker. The sludge can then be removed to a nearby facility that will include a larger, dedicated sludge handling facility; usually a larger municipal wastewater treatment works. There is therefore no need to provide for on-site routine sludge handling.

Secondary sludge produced in the secondary humus settling tank is returned to the septic tank for further oxidation and stabilisation and will accumulate and be removed with the raw sludge

The final effluent produced by the Becon Bio-Filter process is safe for re-use or for discharge to the natural environment and can be designed to satisfy the prevailing legal discharge standard that may be prescribed by the regulator.

Our systems are provided with an Operating and Maintenance Manual that is explained during commissioning. In the event that the client would like routine the provision of on-site operations and maintenance, we can provide a tailor made solution depending on the end user's needs.

Becon Watertech has an established profile and presence in the market, extending across 40 years and across the entire Southern Africa, African continent and the Indian Ocean Islands realm. During this time, Becon Watertech has installed over 1,800 units.

We have various models that can be provided, depending on site conditions and construction needs. These include civil engineered and constructed units, steel skid mounted units and fully containerised units.

We will be happy to provide further details and information as required.

Trust you will find this in order.

Yours faithfully

GJ Brown
for Becon Watertech

Electrical Services Report

Annexure F9

SERVICES REPORT

PROPOSED DEVELOPMENT

Q4 CITY

SERVICES REPORT

**REGARDING THE
ELECTRICITY SUPPLY
NETWORK**

Compiled by: CW Buitendag

Revision: 1

Date: 30 April 2015



PREPARED FOR:

PREPARED BY:

Reference: Q4 City	CUPRO CONSULTING
Date: 30 April 2015	442 Atterbury Road
Author: CW Buitendag	Menlo Park
Revision: 1	Pretoria

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1 EXECUTIVE SUMMARY

The Q4 Highway Facilities filling station is planned to be located on both sides of the N4 platinum highway on the M21 – De Wildt / Soshanguve turn-off. The property descriptions are: REMAINDER OF PORTION 22 (A PORTION OF PORTION2) OF THE FARM SCHIETFONTEIN 437 JQ and Portion of REMAINDER OF PORTION 41 (A PORTION OF PORTION 2) OF THE FARM SCHIETFONTEIN 437 JQ

The power supply to the proposed filling station can be made available either from the Tshwane network, using alternative sources such as solar power, gas and diesel generators or a combination of the two options. .

2 ELECTRICAL ENGINEERING SERVICES

2.1 INTRODUCTION

The electrical connection for the development may be supplied from the local 11kV overhead network, where Tshwane Municipality is responsible for the distribution of electricity. Another option is to supply the development with alternative sources such as solar power, gas and diesel generators.

2.2 SUPPLY OPTIONS

2.2.1 Tshwane Supply

Expected Demand

With a conventional power supply the 2 filling station will have an estimated demand of 250 A, 173 kVA each. The total demand is thus estimated as 346 kVA.

Source of supply

Tshwane has confirmed both verbally and in writing that sufficient capacity is available from the 11 kV line close to the site. The local 11kV overhead line is supplied from the Schietfontein 5 MVA 33/11 kV substation, within 2 km from the development on the M21 / R513 crossing. Schietfontein 33/11 kV substation is in turn supplied from Tshwane's Hartebeespoort 2x40 MVA 88/33 kV substation where Eskom supplies Tshwane with power at 88 kV.

The external supply network design will conform to Tshwane Council's standards and requirements.

Other standards to which the electrical design will adhere include the relevant SABS safety and equipment standards, as well as the NRS 048 quality of supply standard.

2.2.2 Alternative Energy Supply

Expected Demand

With alternative energy as a supply source, the demand will be reduced as far as possible using energy efficient options where appropriate combined with other energy sources such as solar water heating and gas. The expected consumption per station is 500 kWh per day with a maximum demand of 65 kW.

Supply

The supply can be made available using a combination of solar panels and a diesel generator with deep cycle batteries as energy storage. On sunny days the solar panels will supply sufficient electricity for the filling stations and to charge the batteries. The generator will be used as backup and to charge the batteries on cloudy days. The expected amount of solar panels to be installed is 500, covering an area of 300 square metres per site. Solar panels will be located on the roof as far as possible.

The storage capacity for the 48 Volt battery system will be 3000 Ampere hours. This can be achieved with a set of one hundred 2 Volt Gel batteries and 5 kVA battery charger invertors.

The generators will be a 100 kVA unit per site.

2.2.3 Combined Tshwane and Alternative Energy Supply

Using a combination of alternative energy and the Tshwane supply will provide the best solution in terms of flexibility and cost. Using the combination a reduced supply from Tshwane will be sufficient and long term savings on energy costs can be achieved.

2.3 INTERNAL RETICULATION

Power from Tshwane will be obtained from two 200 kVA overhead transformer one at each of the filling stations. From there power will be distributed with a low voltage cable to the Main DB at each of the filling stations. Alternative energy will be supplied from an energy centre where it is distributed with a low voltage cable to the Main DBs per site

2.3.1 Load Flow Parameters

The maximum voltage drop apportionment for the different system components is as follows:

- MV network:-3%
- Transformer (inherent boost): 2%
- LV Network:-5%
- Service cables:-2%
- Maximum design voltage drop: -8%

2.4 BULK SUPPLY CONTRIBUTION

The Tshwane Council bulk contribution to be paid by the developer is expected to be in the region of R 2,200 / kVA in the period July 2014 – Jul 2015.

The load calculated for bulk contribution purposes is 346 kVA. The total value of the developer's bulk contribution is expected to be in the region of R 761,200 (excluding VAT) in addition to the overhead transformer costs (approximately. R 100,000 per filling station).

2.5 EQUIPMENT STANDARDS

General

The equipment will conform to the Tshwane Council requirements.

Medium Voltage Transformers

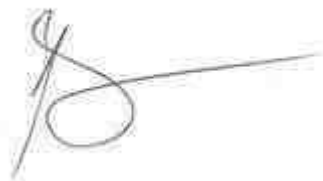
It is proposed that medium voltage transformers be installed with the following characteristics:

- 200 kVA capacity
- Fuse and surge arrester protected
- 11kV / 420 V

LV Network and Services

Power will be reticulated to the filling stations Main DB's by means of 120 and/or 150 mm² 4-core, copper, PVC insulated PVC bedded SWA PVC served cables.

REPORT COMPILED BY CUPRO CONSULTING:

A handwritten signature in black ink, appearing to be 'CW Buitendag', written over a light grey circular stamp or watermark.

CW Buitendag

From: Conrad Buitendag <conrad@cupro.co.za>
Sent: 22 June 2015 08:29 AM
To: 'Piet van Zyl'
Subject: FW: vulstasies
Attachments: image002.gif; image004.wmz; image010.png; image012.png; image003.wmz; image005.png; image006.png; Services Report Q4 City - Electrical Rev 2 1 May 2015.pdf

Hi Piet,

Hier is die email hieronder en aangeheg die laaste weergawe van ons verslag.

Groete

Conrad

From: Deon Louw [<mailto:DeonL@TSHWANE.GOV.ZA>]
Sent: 30 September 2014 11:07 AM
To: Conrad Buitendag
Cc: Ken Jones
Subject: RE: vulstasies

<<http://banner.tshwane.gov.za/rs/bcq2SmdO>>

More Conrad

Jammer ek het so lank geneem om vir julle die inligting te gee, ek het net gewag vir die vrag lessings op die lyn.

Daar is kapasiteit beskikbaar op die DW lyn van waar die aansluitings moet gedoen word.

Indien nog inligting verlang kan julle my skakel

Groete

<<http://www.tshwane.gov.za/Services/Toponymy/Pages/New-Streetnames.aspx>>

Deon Louw | Consulting Engineer

Electricity Infrastructure Planning and Design | Room 36 | Giovanetti
Offices |

312 Giovanetti street | Nieuw Muckleneuk | PO Box 423 | Pretoria | 0001 | <<http://www.tshwane.gov.za/>>
www.tshwane.gov.za

Tel: 012 358 4220 | Mobile: +27 82 859 5189 | Fax to Email:086 210 1760 |
Email: deonl@tshwane.gov.za

From: Conrad Buitendag [<mailto:conrad@cupro.co.za>]
Sent: 26 September 2014 09:48 AM
To: Deon Louw
Cc: Ken Jones; katrien@cupro.co.za; 'Carien de Klerk'
Subject: FW: vulstasies

Hi Deon,

Kan ek asseblief die inligting kry oor die kapasiteit by die substasie soos ons van Ken gevra het?

Ek sal graag met jou wil gesels. Stuur asseblief jou nommer of bel my by 0823314634.

Baie dankie

Conrad Buitendag

From: Ken Jones [<mailto:KenJ@TSHWANE.GOV.ZA>]

Sent: 19 September 2014 08:34 AM

To: Deon Louw

Cc: conrad@cupro.co.za

Subject: FW: vulstasies

<<http://banner.tshwane.gov.za/rs/bcifWQGC>>

BESKIKBARE KAPASITET.

HI DEON

STUUR ASB OOK AAN VIR CONRAD

conrad@cupro.co.za

K JONES

CITY OF TSHWANE

ROSSLYN DEPOT

CONNECTIONS NORTH

012 358 9417

073 988 1653

http://www.tshwane.gov.za/Pages/Email_disclaimer.aspx

Information from ESET NOD32 Antivirus, version of virus signature database 10438 (20140918)

The message was checked by ESET NOD32 Antivirus.

<http://www.eset.com>

http://www.tshwane.gov.za/Pages/Email_disclaimer.aspx

Information from ESET NOD32 Antivirus, version of virus signature database 10486 (20140930)

The message was checked by ESET NOD32 Antivirus.

<http://www.eset.com>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 10498 (20141002)

The message was checked by ESET NOD32 Antivirus.

<http://www.eset.com>

SANRAL Comments

Annexure F10

Northern Region

38 Ida Street, Menlo Park, Pretoria
Private Bag X17, Lynnwood Ridge, 0040, South Africa
Tel +27 (0) 12 426 6200 Fax +27 (0) 12 348 1680/ 0883/ 1512

Offices in Val de Grace – Pretoria (Head Office), Cape Town, Pietermaritzburg, Port Elizabeth

Reference: N11/4/3-4/10-5 Fax Number: +27 (0) 12 348 1512
Date: 10 March 2016 Direct Line: +27 (0) 12 426-6269
Contact Person: Tiyiselani Mashele Website: www.nra.co.za
Email: mashelet@nra.co.za

VAN ZYL & BENADE TOWN AND REGIONAL PLANNERS
PO Box 32709
GLENSTANTIA
0010

For attention: Ms. Amanda Viljoen

Dear Madam

**N4/10: PROPOSED TOWNSHIP ESTABLISHMENT ON REMAINDER OF
PORTION 22 (A PORTION OF PORTION 2) OF THE FARM SCHIETFONTEIN
437-JQ; Q4 CITY**

Your application referenced **1952/D** dated 3 July 2015 and your request for comments, refer.

The South African National Roads Agency SOC Limited (SANRAL) hereby gives its consent for the establishment of the above-mentioned township in terms of Section 49 of The South African National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998), subject to the following conditions:

1. BUILDING RESTRICTION AREA/ SPECIAL CONDITIONS:

1.1 No new structures, buildings or any other thing whatsoever shall be erected, constructed, laid or established within a distance of 20 metres measured from the national route N4 road reserve boundary without the written approval of SANRAL.

1.2

- All accesses to and from the site must resolved to SANRAL's and Bakwena's satisfaction. This may include upgrades to the national route N4.
- The cross access between the two sites must be provided on the Provincial road (Road M21 – Lucas Mangope Drive).
- This access must be reserved exclusively for connection between the two sites and shall not be open to the public for use. The position of such an access must

be determined to the satisfaction of North West Department of Public Works, Roads and Transport.

- The main access on the N4 and site layout must be designed and constructed to the satisfaction of SANRAL and Bakwena. This may include the provision of a physical median barrier.
 - The applicant has to obtain the servitude prior to proclamation of the township. All costs associated with the provision of accesses to the township will be for the applicant and will be to the satisfaction of SANRAL and Bakwena
- 1.3 No storm water disposal from the above-mentioned township to national route N4 will be allowed without the written approval of SANRAL, and the applicant shall accept SANRAL's storm water where applicable, the Agency will not be liable for any damage caused in the township by the storm-water.
- 1.4 No freestanding advertisement boards visible from national route N4 will be erected on the property without the written approval of SANRAL.

2. COSTS AND INDEMNITY:

- 2.1 SANRAL or shall not be involved in any expenditure in connection with and shall not be responsible or liable for:
- the erection of any structure
 - any financial responsibility or liability for any claim from the applicant which may occur from the lapsing of the approval.
- 2.2 The applicant indemnifies SANRAL against and holds it harmless from any claim or damage pertaining to the possible expansion of the national road in future, or damage which may be instituted or suffered by any person, including legal costs incurred as a result of:
- the erection, use or removal of the structures or other works erected or established by the applicant within the building restriction area,
 - the applicant or his successor-in-title's failure to properly maintain and render safe anything related to this approval or other works, or the non-compliance by the applicant with any condition to which this permission relates,
 - the lapsing of the approval.
- 2.3 Any action taken by the applicant in connection with the approval shall be regarded as an acceptance and compliance with the conditions including the indemnity.
- 2.4 Should any damage be caused to the national road or a user of the national road or property as a result of the erection, use or removal of the structures erected or established by the applicant, on the property, such applicant shall be liable for such damage and shall compensate against any claim from a third party.
- 2.5 Any issues in respect of noise, light or any other pollution emanating from users of the road need to be addressed by the applicant, for their own account. The applicant shall take appropriate noise mitigation measures in the design of the buildings on the property. The applicant with full knowledge of the potential environmental impacts including but not limited to noise, air and light pollution waves any claim it may have against SANRAL and indemnifies SANRAL and holds it harmless from any loss, actual expenses, claims, harm or damage of whatsoever nature that the applicant may suffer whatsoever arising from the property's close proximity to national route N4 which waiver and indemnity SANRAL hereby accepts.

- 2.6 SANRAL will not be held liable for any damage or diminishment in value of the property arising out of any impact the development hereby approved may have on existing storm water drainage on the property. SANRAL hereby reserves its right to impose any conditions in this regard that it deems reasonable in the circumstances.

3. VALIDITY PERIOD:

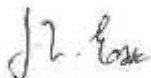
- 3.1 This approval shall lapse -
- in the event of the applicant not complying with any of the conditions as imposed by SANRAL.

4. ADDITIONAL LEGAL REQUIREMENTS:

- This approval shall bind any successor-in-title to the land on which the structures has been established.

This approval does not exempt the applicant from the provisions of any other act.

Yours faithfully



REGIONAL MANAGER: NORTHERN REGION

Northern Region

38 Ida Street, Menlo Park, Pretoria
Private Bag X17, Lynnwood Ridge, 0040, South Africa
Tel +27 (0) 12 426 6200 Fax +27 (0) 12 348 1680/ 0883/ 1512

Offices in Val de Grace – Pretoria (Head Office), Cape Town, Pietermaritzburg, Port Elizabeth

Reference: N11/4/3-4/10-6 Fax Number: +27 (0) 12 348 1512
Date: 10 March 2016 Direct Line: +27 (0) 12 426-6269
Contact Person: Tiyiselani Mashele Website: www.nra.co.za
Email: mashelet@nra.co.za

VAN ZYL & BENADE TOWN AND REGIONAL PLANNERS
PO Box 32709
GLENSTANTIA
0010

For attention: Ms. Amanda Viljoen

Dear Madam

N4/10: PROPOSED TOWNSHIP ESTABLISHMENT ON REMAINDER OF PORTION 41 (A PORTION OF PORTION 2) OF THE FARM SCHIETFONTEIN 437-JQ; Q4 CITY EXTENSION 1

Your application referenced **1953/D** dated 3 July 2015 and your request for comments, refer.

The South African National Roads Agency SOC Limited (SANRAL) hereby gives its consent for the establishment of the above-mentioned township in terms of Section 49 of The South African National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998), subject to the following conditions:

1. BUILDING RESTRICTION AREA/ SPECIAL CONDITIONS:

- 1.1 No new structures, buildings or any other thing whatsoever shall be erected, constructed, laid or established within a distance of 20 metres measured from the national route N4 road reserve boundary without the written approval of SANRAL.
- 1.2
- All accesses to and from the site must be resolved to SANRAL's and Bakwena's satisfaction. This may include upgrades to the national route N4.
 - The cross access between the two sites must be provided on the Provincial road (Road M21 – Lucas Mangope Drive).
 - This access must be reserved exclusively for connection between the two sites and shall not be open to the public for use. The position of such an access must

be determined to the satisfaction of North West Department of Public Works, Roads and Transport.

- The main access on the N4 and site layout must be designed and constructed to the satisfaction of SANRAL and Bakwena. This may include the provision of a physical median barrier.
 - The applicant has to obtain the servitude prior to proclamation of the township. All costs associated with the provision of accesses to the township will be for the applicant and will be to the satisfaction of SANRAL and Bakwena.
- 1.3 No storm water disposal from the above-mentioned township to national route N4 will be allowed without the written approval of SANRAL, and the applicant shall accept SANRAL's storm water where applicable, the Agency will not be liable for any damage caused in the township by the storm-water.
- 1.4 No freestanding advertisement boards visible from national route N4 will be erected on the property without the written approval of SANRAL.

2. COSTS AND INDEMNITY:

- 2.1 SANRAL or shall not be involved in any expenditure in connection with and shall not be responsible or liable for:
- the erection of any structure
 - any financial responsibility or liability for any claim from the applicant which may occur from the lapsing of the approval.
- 2.2 The applicant indemnifies SANRAL against and holds it harmless from any claim or damage pertaining to the possible expansion of the national road in future, or damage which may be instituted or suffered by any person, including legal costs incurred as a result of:
- the erection, use or removal of the structures or other works erected or established by the applicant within the building restriction area,
 - the applicant or his successor-in-title's failure to properly maintain and render safe anything related to this approval or other works, or the non-compliance by the applicant with any condition to which this permission relates,
 - the lapsing of the approval.
- 2.3 Any action taken by the applicant in connection with the approval shall be regarded as an acceptance and compliance with the conditions including the indemnity.
- 2.4 Should any damage be caused to the national road or a user of the national road or property as a result of the erection, use or removal of the structures erected or established by the applicant, on the property, such applicant shall be liable for such damage and shall compensate against any claim from a third party.
- 2.5 Any issues in respect of noise, light or any other pollution emanating from users of the road need to be addressed by the applicant, for their own account. The applicant shall take appropriate noise mitigation measures in the design of the buildings on the property. The applicant with full knowledge of the potential environmental impacts including but not limited to noise, air and light pollution waves any claim it may have against SANRAL and indemnifies SANRAL and holds it harmless from any loss, actual expenses, claims, harm or damage of whatsoever nature that the applicant may suffer whatsoever arising from the property's close proximity to national route N4 which waiver and indemnity SANRAL hereby accepts.

- 2.6 SANRAL will not be held liable for any damage or diminishment in value of the property arising out of any impact the development hereby approved may have on existing storm water drainage on the property. SANRAL hereby reserves its right to impose any conditions in this regard that it deems reasonable in the circumstances.

3. VALIDITY PERIOD:

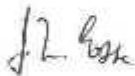
- 3.1 This approval shall lapse -
- in the event of the applicant not complying with any of the conditions as imposed by SANRAL.

4. ADDITIONAL LEGAL REQUIREMENTS:

- This approval shall bind any successor-in-title to the land on which the structures has been established.

This approval does not exempt the applicant from the provisions of any other act.

Yours faithfully



REGIONAL MANAGER: NORTHERN REGION

Filling Station Details

Annexure G

Tank Details

Annexure G1

2500 Ø 45 m³ Double Skin Underground Storage Tank

<u>Tank Construction:</u>		
1	Description:	45m ³ UST Double Wall Steel Tank
2	Drawing No:	TBA
3	Construction Code	EN12285-1 / Class A
4	Primary Internal Diameter	2488mm
5	Overall Length	9850mm
6	Cylindrical Length	9000mm
7	Dished End Material	DIN6608
		EN10025
		S235 / 275JR
8	Tank Shell Material	EN10025
		S235 / 275JR
9	Maximum Capacity	46,000ltr
10	Net Working Capacity	93%
11	Atmospheric Pressure	Not Known
12	Operating Temperature	40°C
13	Operating Pressure	Atmospheric
14	Vapour Pressure	0 – 75 kPa
15	Test Pressure	35 kPa
16	Ultrasonic Testing	As per Customer's specification
17	Surface Treatment	Endoprene (Polyurethane) External Coating
18	Test Medium	Compressed Air
19	External Coating Test	Spark Test @ minimum 14kV
20	Internal Surface Preparation	Low Viscosity Oil & White Spirit Mix
21	External Surface Preparation	Grit Blast ISO8501-3 SA2.5
22	Internal Corrosion Protection	As per customer's requirements
23	Product Density	Intended product specification

<u>Fittings / Accessories:</u>		
24	Flanges	ANSI ASA 150 - Flat faced
25	Piping	Schedule 40 / Schedule 10
		As per drawing
26	Bolts & Nuts	M16 x 50 Zinc Plated
27	Gaskets	Nitrile Gasket (Imported)
		Alternative - Klingsil C4430 (Local)
28	Manway Construction	Lid: 12mm Steel Plate
		Lid: OD – 720mm
		Neck: ID - 600mm
		Flange: PCD – 660mm 32 x Ø18.
29	Manway Material	EN10025 S235 / 275JR
30	Filler Line	Refer Drawing
31	Interstitial Monitoring Connection	2 x 25NB nozzles
32	Dip & Vent Nozzle	Refer Drawing
33	Vent Nozzle / ATG auxiliary	Refer Drawing
34	Suction Nozzle	Refer Drawing
35	Interstitial Liquid	10% - 20% MEG & Water Mix
		(Filled at Factory)
36	Interstitial Monitoring	Wet Leak Detection
		LAG 14 ER or similar, Site Fitted on Installation



External Corrosion Protection

Coating material		Min. thickness mm	External surface coating tested to the following minimum test volt- age V
Bitumen	with fabric reinfor- cement	3	14 000
	without reinforce- ment	5	20 000
Epoxy		0,7	6 000
Glassfibre (GRP)		2	15 000
Polyurethane		0,8	6 000
PVC		1,25	10 000

NOTE The minimum test voltages indicated are related to the minimum thickness mentioned in this table. If the thickness is increased, the voltages should also be increased. Coatings can be tested at higher voltage than indicated.

Why Polyurethane ?

Instead of Epoxy or Fibreglass Reinforced Polyester

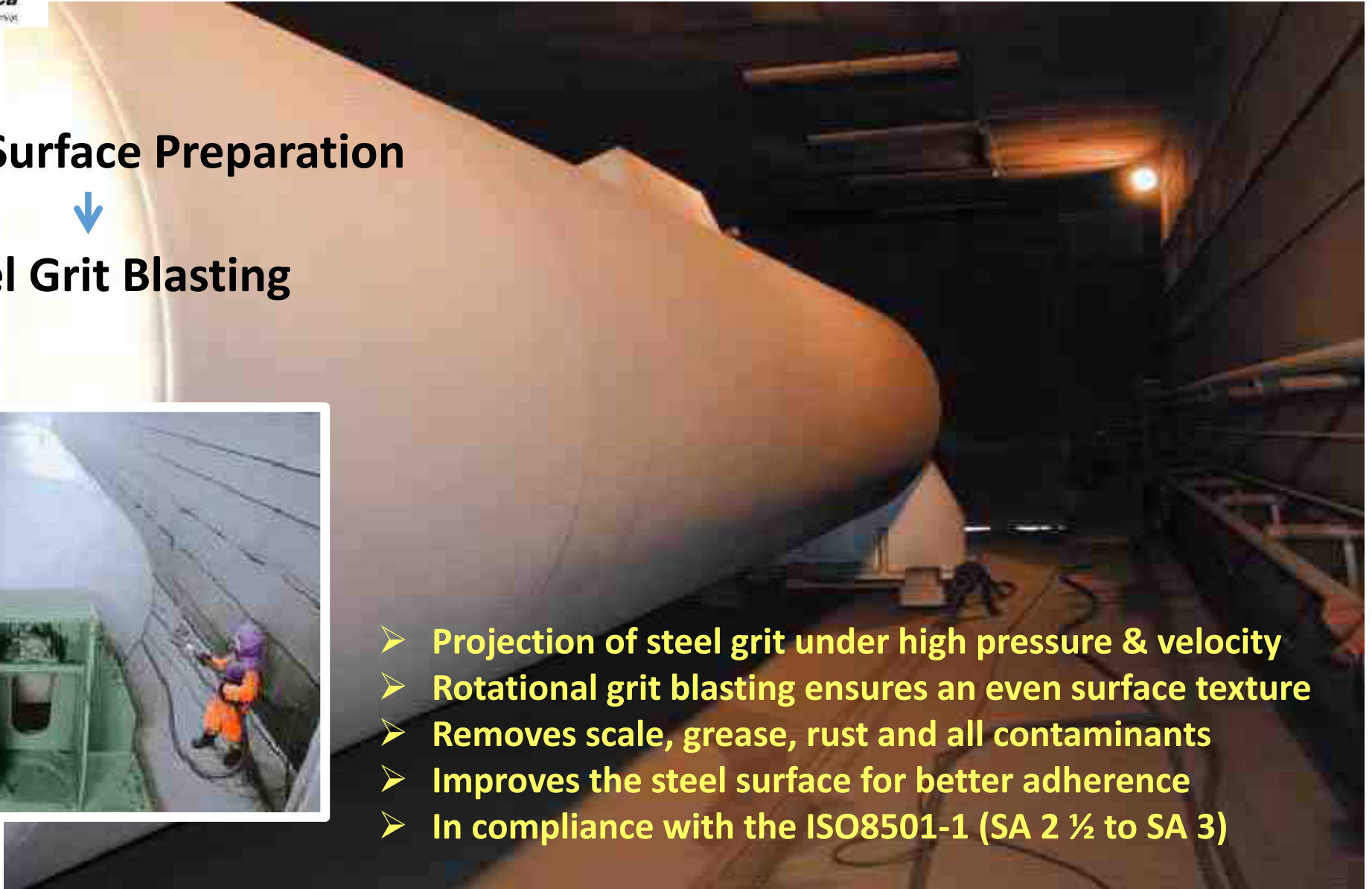
- Excellent hardness and impact resistance
- Good elasticity because of the relative thin coating layer
- Long term resistance to UV and sun light
- Perfect adherence to steel
- Less prone to transport damage
- Easy to see a surface damage
- On site repairable
- Very good resistance to:
 - All fuels
 - Micro-organisms contained in soils
 - Alkaline and Acidic Water Solutions
 - Salt Water



External Surface Preparation



Steel Grit Blasting



- Projection of steel grit under high pressure & velocity
- Rotational grit blasting ensures an even surface texture
- Removes scale, grease, rust and all contaminants
- Improves the steel surface for better adherence
- In compliance with the ISO8501-1 (SA 2 ½ to SA 3)

19 May 2015

TO: Q4 FUEL

RE: UNDERGROUND TANK STANDARDS & SPECIFICATIONS

To whom it may concern,

Petrotank South Africa manufactures underground storage tanks in accordance with and compliant to EN12285-1 specification.

The EN specification allows for multiple surface treatments, i.e. Glass-reinforced polyester (fibreglass), Polyurethane, etc.

The SANS 1535 only refers to Glass-reinforced polyester (fibreglass).

Petrotank South Africa is currently part of a working group at the SABS and have requested that the SANS 1535 specification is revised to allow for Polyurethane coated tanks as well.

Polyurethane is a relative unknown product in South Africa however the coating has been applied in most European countries, the USA, etc.

Petrotank South Africa has already supplied Polyurethane coated tanks to most major oil companies in South Africa as well as private customers. We have also exported numerous tanks across border.

Kindly refer to the attachment on Polyurethane coatings.

With reference to the highlighted points on your attachment please note the following:

Page 1

- j. Refer to point above which elaborates on what our tanks conform to
- k. Petrotank South Africa supplies non-corrosive pipework which also conforms to international standards & specifications.
- l. Petrotank South Africa does supply monitoring wells.
- n. Leak detection systems are only used on double wall / skin tanks and not single skin tanks.
- r. Tanks are pressure tested during manufacturing at 45kPa. Petrotank South Africa is only the manufacturer. It is usually installers who provide services like maintenance and who would assist with this.
- s. Petrotank South Africa does supply an overfill protection device for provision of spillage.

Page 2

- 7.(i) Petrotank South Africa only manufactures tanks and do not provide installation services.
- 7 (ii) With each tank manufactured a "tank passport" is supplied with all relevant documents, i.e. pressure test certificate, calibration chart, etc.

If you should require any additional information, please feel free to contact us.

Thank you,

Johann Stadler
Managing Director

Emergency Plan

Annexure G2

April
2016

Emergency Plan for the Q4 City Filling Stations



BOKAMOSO
LANDSCAPE ARCHITECTS &
ENVIRONMENTAL CONSULTANTS CC
P.O. BOX 11375
MAROELANA
0161

TEL: (012) 346 3810
Fax: 086 570 5659
Email: Lizelle@mweb.co.za



1. PROJECT OUTLINE

Bokamoso Landscape Architects and Environmental Consultants CC was appointed by **Q4 Chemicals (Pty) Ltd** to compile an Emergency Plan for the proposed Q4 City Filling Stations. The proposed Q4 City Filling Stations will be situated on Part of Remainder of Portion 22 and Part of Remainder of Portion 41 of the Farm Schieffontein 437 JQ, North West Province.

The proposed development will entail two Filling Stations, in total it will comprise of 14 tanks of 46 000ℓ for fuel (petrol and diesel). The total capacity of fuel for the proposed development will be 644 cubic meters. The developable area is approximately 7.6ha and 8.5ha in extent for the two filling stations and is situated within the municipal area of Madibeng Local Municipality, North West Province.

2. RESPONSIBLE PARTIES

Developer (D)

The developer is ultimately accountable for ensuring compliance with the licenses and authorisations. The developer must appoint a manager for the operational phase to ensure that all processes at the filling stations occur according to regulations and in a safe environment.

Manager (M)

The Manager is responsible for the coordination of various activities around the filling stations and ensures compliance with the conditions of all approvals, licenses and authorisations. The Manager of the filling stations need to ensure that in the case of an emergency all personnel know what to do and how to assist the public that is on site. He/she needs to make sure that the emergency is handled in such a way that the environment is not harmed and that injuries are limited, as far as possible.

Contractors (C):

The contractors during the operational phase of the filling stations will include those conducting maintenance works on the buildings as well as infrastructure, such as boreholes, sewerage treatment works etc. All contractors need to be briefed on the emergency plan as an emergency event might occur while they are on site.

Authority (A):

The authorities are the relevant departments that have issued approvals, licenses and authorisations. The authorities are responsible for ensuring that the monitoring (if applicable) and other authorisation documentation is carried out.

Employees (E):

Employees of the filling stations and associated stores and restaurants. All employees should know what to do in case of an emergency.

3. SITE PLAN

A site plan should be created for the filling stations in their operational phase. This site plan should indicate the location of the pumps, tanks and the tanker when it is on site (the product of each tank should be indicated). Vents, filler points, storage facilities and drains should also be specified on this site plan. The site plan should indicate the position of the emergency stop, sand buckets, other firefighting equipment, evacuation routes as well as the assembly area.

4. EMERGENCY TELEPHONE NUMBERS

The following telephone numbers, in case of an emergency, should be accessible to all:

- The Fire Department

- The Police Station
- The Ambulance Service or Paramedics
- The Local Traffic Department
- Department of Water and Sanitation
- Madibeng Local Municipality
- Murder and Robbery Unit
- The Owner and/or Manager of the Filling Stations
- The Maintenance Contractors or Suppliers

5. VAPOUR RECOVERY PLAN

Organic vapour is released into the atmosphere by petrol and diesel. These hydrocarbons released into the atmosphere/environment are called Volatile Organic Compounds (VOC's). The release of fuel vapour into the atmosphere could create an explosion and therefore it is vital to capture the petrol vapour. The following measures should be adhered to with the aim of limiting the release of vapour into the atmosphere:

- During the unloading of fuel by the tanker trucks, vents should be closed on the tanker as well as the underground storage tank.
- Rubber seals should be used on the dispensing pipe (from the tanker) that runs to the underground storage tanks.
- A modified petrol filling nozzle should be used for refueling. The nozzle could also be modified with a rubber seal.
- An automatic switch valve should be used to cut the flow of fuel when full.
- Install leak detection on the gauge system of the tank.
- Spillages should be cleaned immediately.
- No open containers containing fuel will be allowed.

6. FUEL SPILLAGES

The Regulations of Hazardous Chemical Substances regulates the storage of hazardous substances on various premises.

1. Depending on the quantity of the product spilled, all pumps should be stopped either through an emergency button that switches off all pumps or the electrical distribution board.
2. Fuel should be shut off by the road tanker. Most tanker vehicles have an emergency button that should be hit. The individual compartments valves can also be shut.
3. Customers and bystanders should be kept away from the area and evacuated. An explosion could occur if a vapour cloud is ignited in any manner.
4. Ensure that customer vehicles in the vicinity of the spill will not be started as this may ignite the vapour and cause a fire/explosion.
5. No vehicle may enter the filling station.
6. Any source of ignition in the immediate area should be eliminated.
7. Sand buckets should be placed in the forecourt area and be easily accessible. The sand should be used to soak up the spilt fuel and prevent it from spreading.
8. Fire extinguishers should be removed from the forecourt and area of spillage.
9. Should any neighbours be vulnerable to an explosion at the filling station, they should be warned.
10. Fuel may not be flushed down drains.
11. If anyone had been contaminated with fuel, they should be sprayed with water and their clothing should be removed.
12. Any soil contaminated by the spill should be placed in an empty container such as a drum and removed by a hazardous waste removal company.
13. The Petroleum Company's emergency centre / team should be contacted. They may assist or give advice on the procedure to be followed.

14. With major spills it is important to notify the relevant Departments as well for example the Department of Water and Sanitation.
15. Should a spill catch fire the emergency plan for a fire should be followed.

7. FIRE

Fire at a filling station is very dangerous and can lead to major injuries and destruction. Fire can be caused by a variety of factors and/or actions. It is important to erect signs at the filling station area to notify the public that no smoking and no cellphones will be allowed around the pump areas and tanks. Fires can also be ignited through petroleum spillages and the release of fuel vapour into the atmosphere. The fire could be in the forecourt area or in any of the buildings. The following procedure can be followed in case of an emergency:

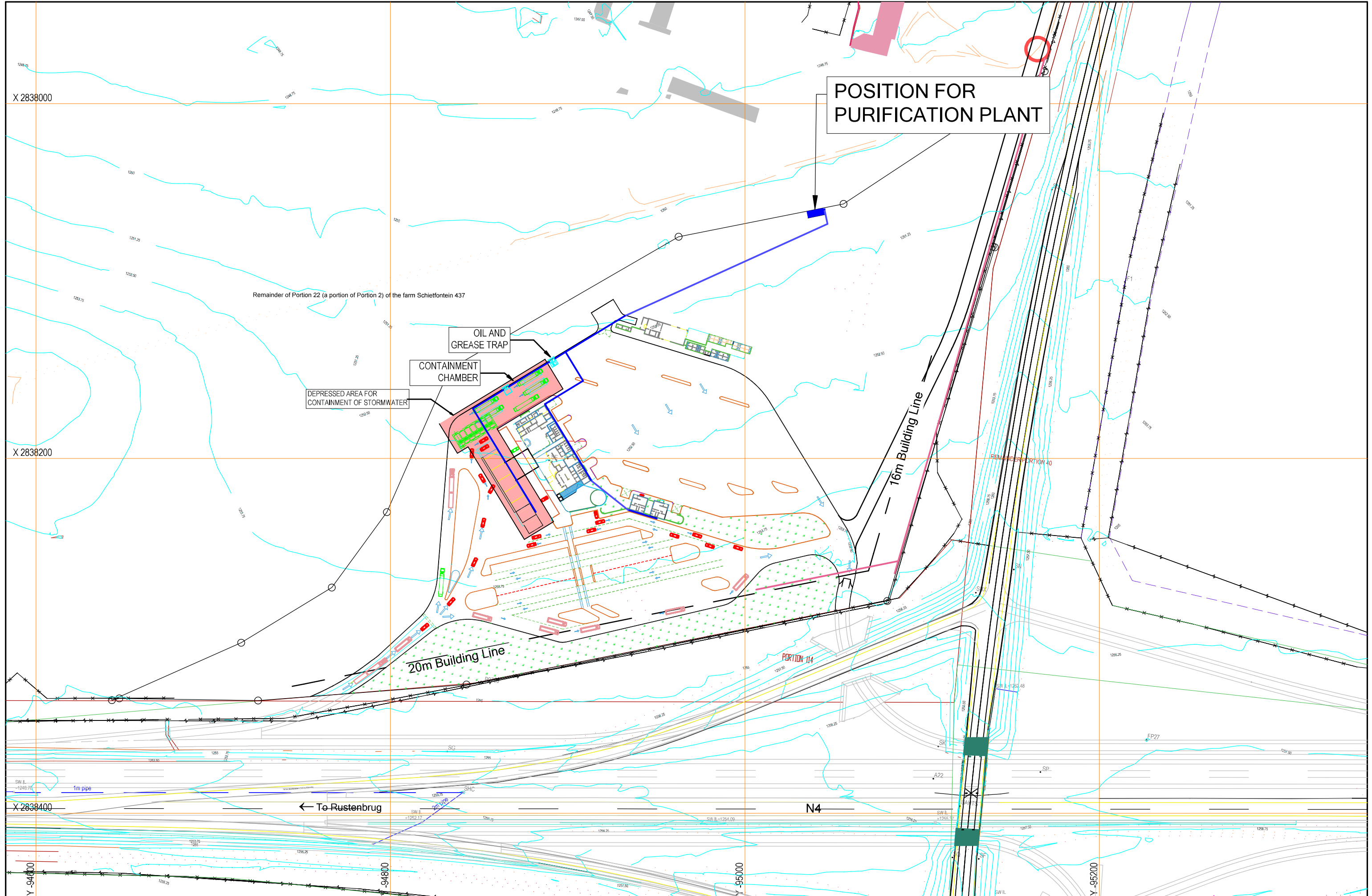
1. Refueling should be stopped immediately at the filling station.
2. The emergency shut-off switch should be activated.
3. If not done simultaneously with the emergency shut-off switch, the electrical supply to all equipment in the immediate area should be isolated at the distribution board.
4. The emergency fire alarm should be activated. There should be a clear indication of where the fire alarm is located.
5. Immediate notification of the manager or owner.
6. The forecourt and/or building should be evacuated of customers and employees, away from the danger area, to a safe assembly area(s).
7. Customers should move their vehicles away from the fire/danger area.
8. Injured people should be guided away from the fire/danger area.
9. The manager or owner to notify the fire brigade and emergency response.
10. If safe to do so an attempt should be made to extinguish the fire by using fire extinguishers.
11. Close the driveways in order to prevent access to the forecourt.

Emergency Plan for the Q4 City Filling Stations
March 2016

12. Adjacent property owners should be notified of the fire if it is possible that it can spread towards them.
13. The fire emergency services should be assisted when they arrive.
14. The Petroleum Company should be notified immediately by the manager or owner.
15. It is very important that a first aid kit should always be readily accessible on site in case of any emergency.

Oil Separator and Storm Water Plan

Annexure G3



DATE	MAY 2014
DESIGNED	H VILJOEN
DRAWN	H VON WIELLIGH
CHECKED	H VILJOEN

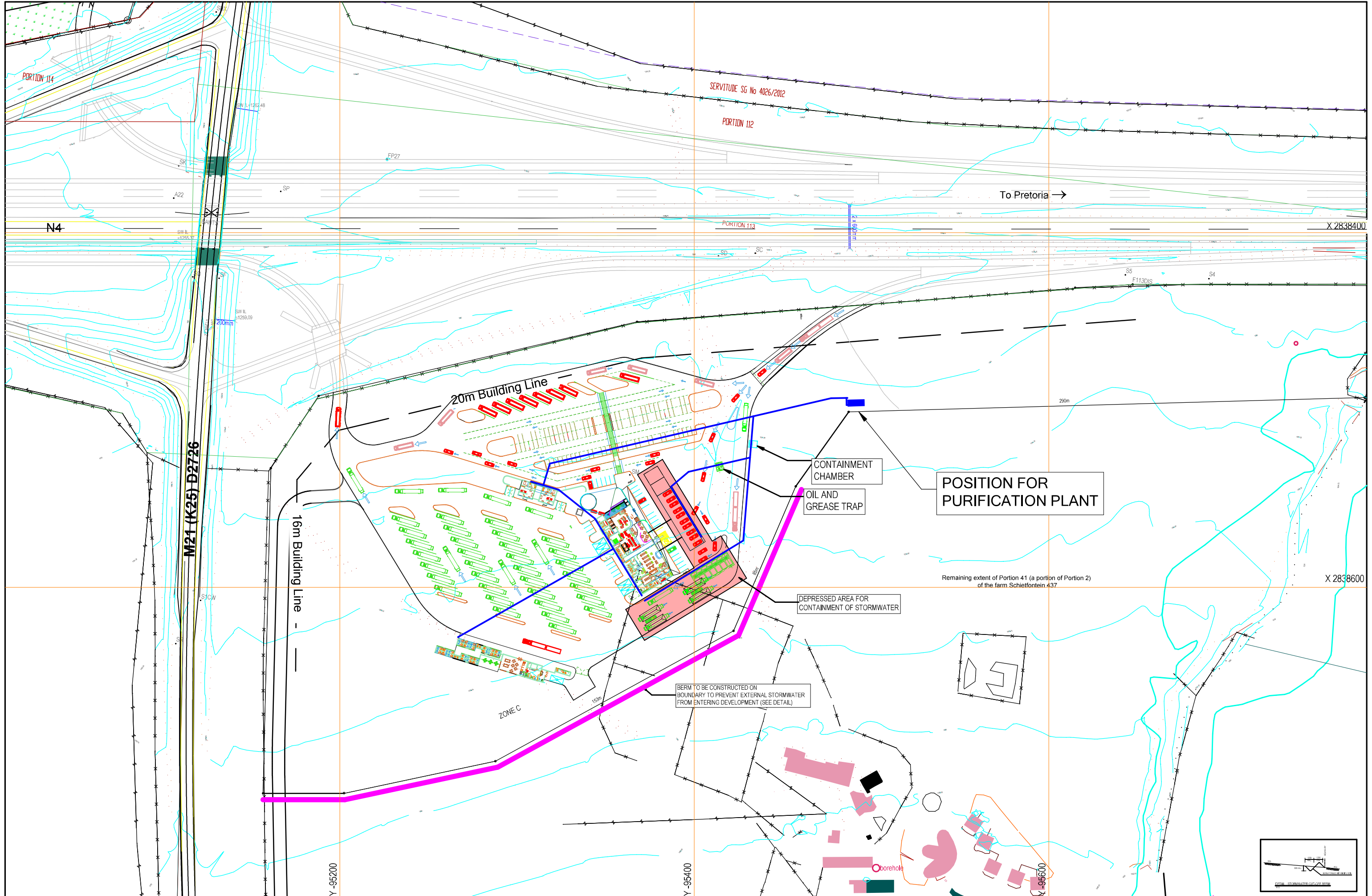
VIP
VIP CONSULTING ENGINEERS (Pty) Ltd
 Consulting Civil and Structural Engineers
 Reg No 570269867

No.	REVISION	DRAWN	CHECKED	DATE

PROJECT	Q4 FUEL CITY
SERVICE DETAIL	LAYOUT PLAN NORTH WEST SIDE OF DEVELOPMENT CONTAINMENT AREA FOR STORMWATER DRAINAGE



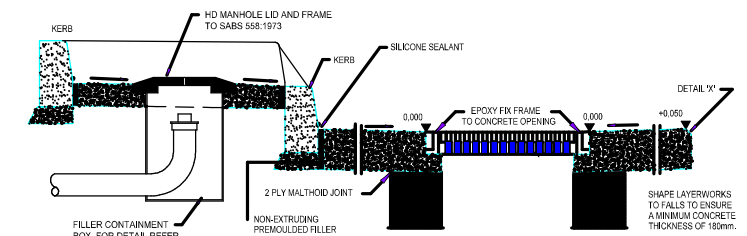
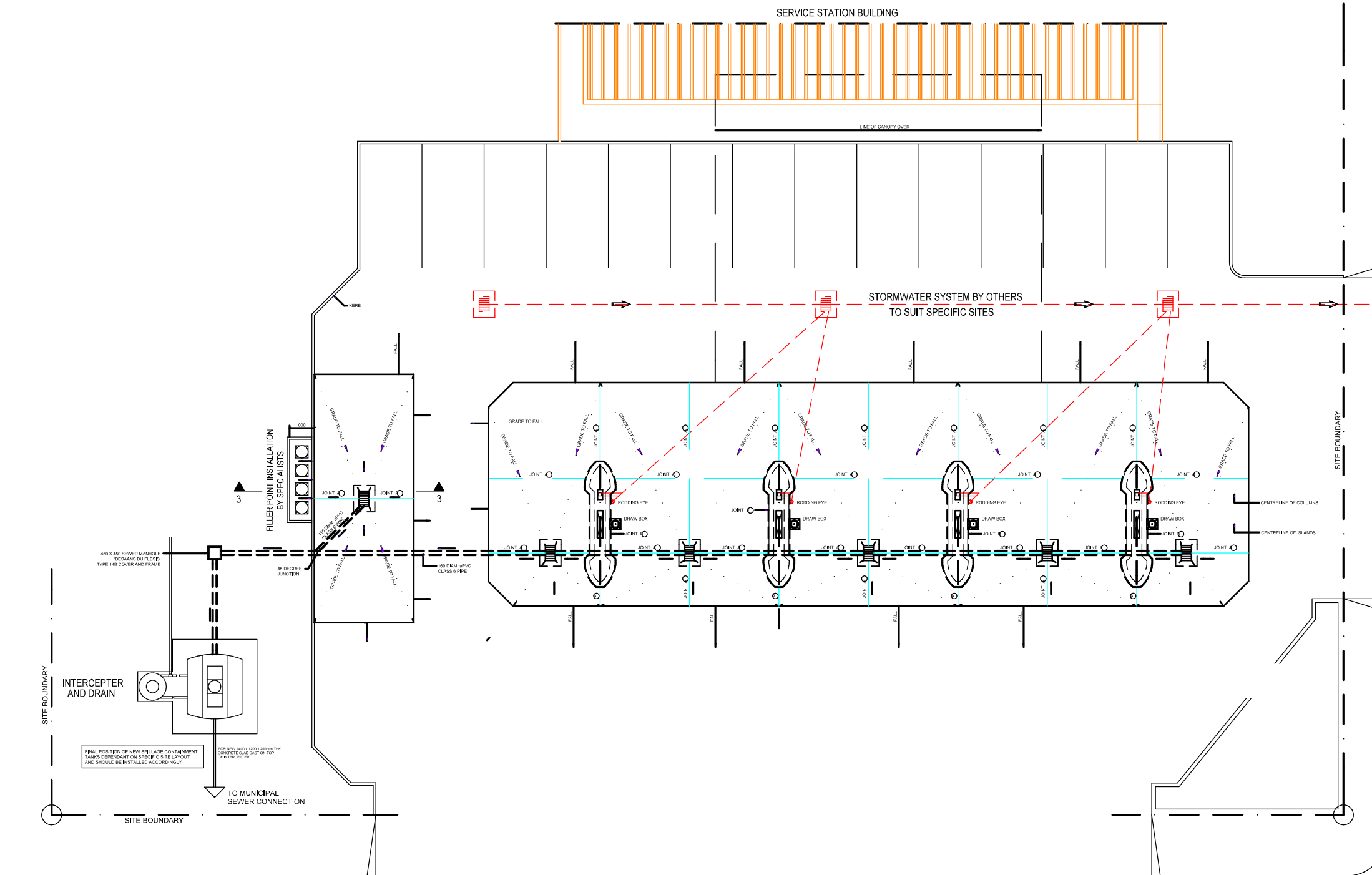
CONSULTING ENGINEER	
DIRECTOR	
ENG. DRAWING NUMBER	2357-V03



DATE	MAY 2014	<p>VIP CONSULTING ENGINEERS (Pty) Ltd Consulting Civil and Structural Engineers Reg No 9705658/07</p>
DESIGNED	H VILJOEN	
DRAWN	H VON WIELLIGH	
CHECKED	H VILJOEN	

No.	REVISION	DRAWN	CHECKED	DATE	PROJECT	SERVICE DETAIL
					Q4 FUEL CITY	LAYOUT PLAN SOUTH EAST SIDE OF DEVELOPMENT CONTAINMENT AREA FOR STORMWATER DRAINAGE

CONSULTING ENGINEER
DIRECTOR
ENG. DRAWING NUMBER
2357-V04



SECTION 3-3
NOT TO SCALE

DATE	MAY 2014	<p>VIP CONSULTING ENGINEERS (Pty) Ltd Consulting Civil and Structural Engineers Reg No 5702692867</p>	No.	REVISION	DRAWN	CHECKED	DATE	PROJECT	SERVICE DETAIL	<p>CONSULTING ENGINEER DIRECTOR ENG. DRAWING NUMBER 2357-V05</p>
DESIGNED	H VILJOEN							Q4 FUEL CITY	SPILLAGE MANAGEMENT FORECOURT SLAB DETAIL	
DRAWN	H VON WIELLIGH									
CHECKED	H VILJOEN									

Public Participation

Annexure H

Site Notice

Annexure H1

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

Notice is given of an application for an **Environmental Impact Assessment Process (EIA Phase)** that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing **Environmental Impact Assessment Procedures (Listing Notice: 1, 2 and 3 – Government Notice R544, R545 & R546)** for the following activity:

Reference No: NWP/EIA/80/2013

Project Name: Q4 City Filling Stations

Property Description: On Remainder of Portion 22 and Remainder of Portion 41 of the Farm Schietfontein 437 JQ

Project Description: Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Listing Activities Applied for:

GNR 544 (Listing Notice 1), 18 June 2010	Activity 9
GNR 544 (Listing Notice 1), 18 June 2010	Activity 11
GNR 544 (Listing Notice 1), 18 June 2010	Activity 18
GNR 544 (Listing Notice 1), 18 June 2010	Activity 22
GNR 544 (Listing Notice 1), 18 June 2010	Activity 23
GNR 545 (Listing Notice 2), 18 June 2010	Activity 3
GNR 546 (Listing Notice 3), 18 June 2010	Activity 4
GNR 546 (Listing Notice 3), 18 June 2010	Activity 13
GNR 546 (Listing Notice 3), 18 June 2010	Activity 16

Proponent Name: Q4 Chemicals (Pty) Ltd

Location: The two fillings stations will be separated by the N4 Highway between Pretoria and Brits in the North West province. The study area is situated approximately 2.5 km east of the Brits Toll Plaza.

Date of Notice: 6 August 2015 – 7 September 2015

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl**

P.O. Box 11375

Maroelana 0161

www.bokamoso.biz

Tel: (012) 346 3810

Fax: (086) 570 5659

E-mail: lizelleg@mweb.co.za

In order to ensure that you are identified as an Interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above **within 30 days of this Notice.**

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

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GNR 546 (Listing Notice 3), 18 June 2010	Activity 4
GNR 546 (Listing Notice 3), 18 June 2010	Activity 13
GNR 546 (Listing Notice 3), 18 June 2010	Activity 16

Proponent Name: Q4 Chemicals (Pty) Ltd

Location: The two fillings stations will be separated by the N4 Highway between Pretoria and Brits in the north west province. They are situated approximately 2.5 km from the Brits Toll Plaza to the west of the proposed filling stations.

Date of Notice: 22 May 2014 – 30 June 2014

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl**

P.O. Box 11375

Maroelana 0161

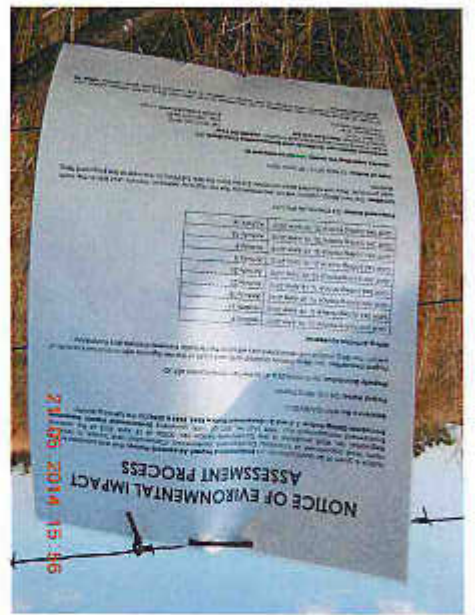
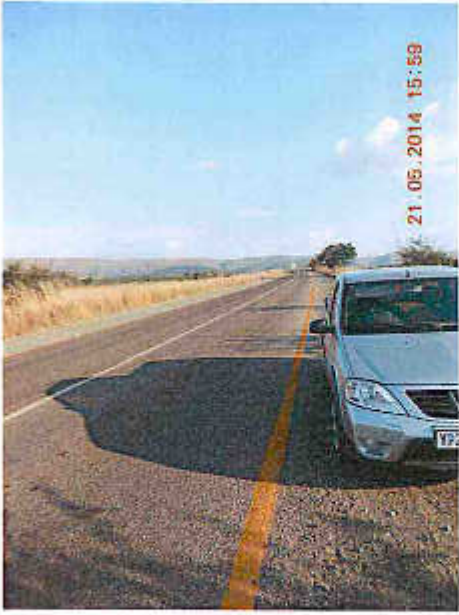
www.bokamoso.biz

Tel: (012) 346 3810

Fax: (086) 570 5659

E-mail: lizelleg@mweb.co.za

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Public Notice

Annexure H2

Q4 City Filling Stations



Locality Map

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

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Proponent Name: Q4 Chemicals (Pty) Ltd

Listing Activities Applied: GNR 544 (Listing Notice 1), 18 June 2010 – Activity 9, 11, 18, 22 & 23 and GNR 545 (Listing Notice 2), 18 June 2010 – Activity 3 and GNR 546 (Listing Notice 3), 18 June 2010 – Activity 4, 13 & 16

Location: The two filling stations will be separated by the N4 Highway between Pretoria and Brits in the North West Province. The study area is situated approximately 2.5 km east of the Brits Toll Plaza.

Date of Notice: 6 August 2015 – 7 September 2015

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl** Tel: (012) 346 3810

P.O. Box 11375 Fax: (086) 570 5659

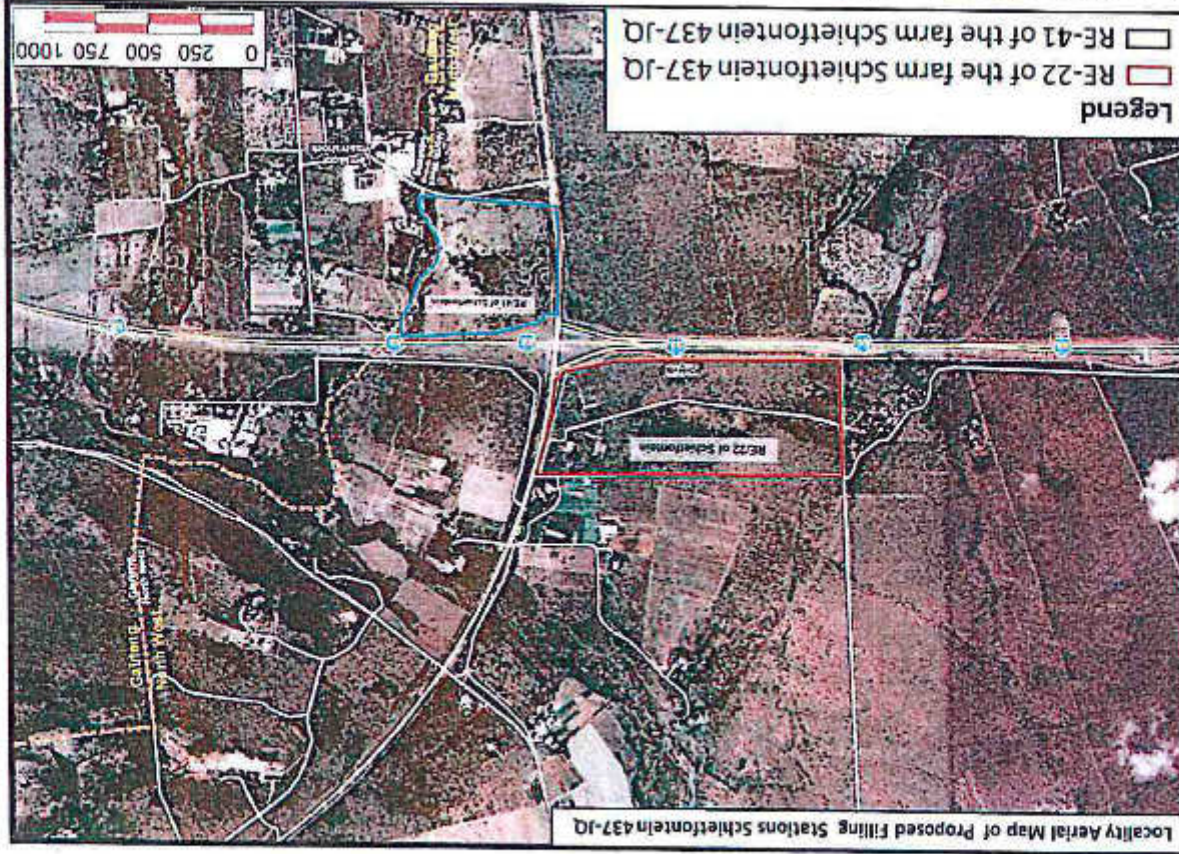
Maroelana 0161

www.bokamoso.biz



In order to ensure that you are identified as an interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above **within 30 days of this Notice.**

Q4 City Filling Stations



Locality Map

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Notice is given of an application for an **Environmental Impact Assessment Process** that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) governing **Environmental Impact Assessment Procedures (Notice 1, 2 and 3 – Government Notice R544, R545 & R546)** for the following activity:

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Listing Activities Applied: GNR 544 (Listing Notice 1), 18 June 2010 – Activity 9, 11, 18, 22 & 23 and GNR 545 (Listing Notice 2), 18 June 2010 – Activity 3 and GNR 546 (Listing Notice 3), 18 June 2010 – Activity 4, 13 & 16

Location: The two filling stations will be separated by the N4 Highway between Pretoria and Brits in the North West Province. They are situated approximately 2.5 km from the Brits Toll Plaza to the west of the proposed filling stations.

Date of Notice: 22 May 2014 – 30 June 2014

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl**

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In order to ensure that you are identified as an interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above **within 40 days of this Notice.**

LEBOMBO GARDEN BUILDING
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ASHLEA GARDENS
0081

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MAROELANA
0161

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizalleg@mweb.co.za
Website: www.bokamoso.biz



7 July 2014

**THE PROPOSED Q4 CITY FILLING STATION WITH THE TOTAL CAPACITY OF 644M³ ON
THE FARM SCHIETFONTEIN 437 JQ, MADIBENG LOCAL MUNICIPALITY.**
Reference Number: NWP/EIA/80/2013

Dear Interested and Affected Party,

You are hereby informed that Bokamoso Environmental Consultants were appointed (as EAP) by Q4 Chemicals (Pty) Ltd to conduct the Environmental Impact Assessment Process in terms of the amended 2010 NEMA EIA Regulations for the **proposed Q4 City Filling Stations on Portions 22 & 41 of the Farm Schietfontein 437 JQ.**

The proposed land-uses for the study area are as follow:

Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

In terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing Environmental Impact Assessment Procedures (Notice 1, 2 and 3 – Governing Notice R544, R545 & R546) of the 2010 amended NEMA Regulations, the EAP must inform all landowners and tenants within 100m from the study area of the proposed development. Bokamoso already supplied all these landowners and tenants (within 100m) with a Notification Letter and requested that they supply the contact details of any tenants or other interested and affected parties that reside or work on the property to Bokamoso. Bokamoso will then also supply these parties with the necessary Notification Letters. In this letter they were also encouraged to distribute copies of their Notification to these parties.

Please find the public notice which was distributed to the above-mentioned landowners attached to this letter.

REG NO: CK 2010/087490/23

VAT REG NO: 4080260872

BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS CC TRADING AS BOKAMOSO ENVIRONMENTAL

MEMBER: Lizelle Gregory

Should you not have been informed of the proposed filling station development we now want to give you the opportunity to register as an Interested and Affected Party on this project. As soon as you register you will be informed of the Draft Scoping Report that will be available for review on our website and future environmental reports on this project.

Kind Regards,

Mary-Lee van Zyl
**Bokamoso Landscape Architects &
Environmental Consultants CC**

LEBOMBO GARDEN BUILDING
36 LEBOMBO ROAD
ASHLEA GARDENS
0081

P.O. BOX 11375
MAROELANA
0181

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizelleg@mweb.co.za
Website: www.bokamoso.biz



Dear Landowner/Tenant

22 May 2014

You are hereby informed that Bokamoso Environmental Consultants were appointed (as EAP) by Q4 Chemicals (Pty) Ltd to conduct the Environmental Impact Assessment Process in terms of the amended 2010 NEMA EIA Regulations for the proposed Q4 City Filling Stations on Portions 22 & 41 of the Farm Schieffontein 437 JQ.

The proposed Land-uses for the study area are as follows:

Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

In terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing Environmental Impact Assessment Procedures (Notice 1, 2 and 3 – Governing Notice R544, R545 & R546) of the 2010 amended NEMA Regulations, the EAP must inform all landowners and tenants within 100m from the study area of the proposed development.

Bokamoso already supplied you (landowner/Tenant) of the property within 100m with Notification Letter and request that you supply the contact details of any tenants or other interested and affected parties that reside or work on the property to Bokamoso. Bokamoso will then also supply these parties with the necessary Notification Letters.

Alternatively, you are also welcome to distribute copies of your Notification to these parties. We will however require proof that you supplied the Notices to the Tenants, Landowners, and Workers etc. Another option is to act as representative on behalf of these parties.

Please confirm (via email/Fax) that you received the Landowners/Tenant Notification and this Letter. Also indicate in this Confirmation Letter whether you have tenants on your property and you're preferred method of tenant/worker notification.

Regards

.....
Lizelle Gregory/Juanita De Beer

REG NO: CK 2010/087490/23
VAT REG NO: 4080260872

BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS CC TRADING AS BOKAMOSO ENVIRONMENTAL

MEMBER: Lizelle Gregory

LEBOMBO GARDEN BUILDING
38 LEBOMBO ROAD
ASHLEA GARDENS
0061

P.O. BOX 11375
MAROELANA
0181

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizelleg@mweb.co.za
Website: www.bokamoso.biz



Dear Landowner

10 December 2013

Basic Assessment Process in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2010 (Version1) for the Q4 City Filling Station in the Madibeng Local Municipality area of North West.

**The following Farms/Properties will be affected:
Portions 22 & 41 of the Farm Schietfontein 437 JQ.**

We hereby confirm that Q4 Chemicals (Pty) Ltd, appointed Bokamoso Landscape Architects and Environmental Consultants cc, to undertake a Basic Assessment Process in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment (EIA) Regulations, 2010 for Q4 City Filling Station as listed above.

In terms of the 2010 amended NEMA EIA Regulations, the applicant, if not the land-owner, must notify the land-owner and tenants of a proposed development planned on a property occupied by the land-owner/tenant. In the case of this application the property occupied by you (as the land-owner/ tenant) forms part of the land-parcel earmarked for the above-mentioned project.

This notification therefore represents the formal notification of land-owners and/or tenants of the proposed Q4 City Filling Station in and around the Farm Schietfontein 437 JQ. This notification letter will be submitted as part of the formal application to be submitted to the North West Department of Economic Development, Environment, Conservation and Tourism (DEDECT).

This notification also affords you the opportunity to register (at an early stage) as an Interested and Affected Party (I&AP) in the Basic Assessment Process. In order to register you are requested to fill in your full details on the form supplied below and to fax or e-mail your details to Juanita de Beer (public participation co-ordinator of Bokamoso) for the inclusion of your details onto our public participation database.

Once you are registered as an interested and affected party, we will keep you informed of the progress with the application and we will make all correspondence, documents and other information regarding the application available to you throughout the application process.

REG NO: CK 2010/087490/23
VAT REG NO: 4080260872

BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS CC TRADING AS BOKAMOSO ENVIRONMENTAL

MEMBER: Lizelle Gregory

Registration as Interested and Affected Party	
Farm Name:	
Erf /Portion Number:	
Street Address:	
Landowner:	Name & Surname: Email address: Telephone: Cell phone: Fax Number: Postal Address:
Tenant Details: (if applicable)	Name & Surname: Email address: Telephone: Cell phone: Fax Number: Postal Address:

Sincerely,

Lizelle Gregory
 Bokamoso Landscape Architects and Environmental Consultants cc

Q4 Filling Stations Notification

Acknowledgement of Receipt of land owner notification concerning the proposed Q4 Filling Stations project.

	Name	Address	Contact Details	Signature
1	Theresa Park FARUK	Cnr WATER BOK E BRITS ROAD THERESA PARK	Email: sasolepe@gmail.com Fax: 012 542 7368 Tel: 012 542 2700	
2	Bachmann Garage Gert v. Vulliam	Cnr Doreen Ave FRANS DU TOIT ROSSLYN	Email: bachmanns1@abza mail.co.za Fax: 012 541 5042 Tel: 012 541 3034	
3	7/7/2014 Rosslyn Petro City	C/O DOREEN + ROSSLYN ROAD ROSSLYN	Email: rosspat10@worldonline.co.za Fax: 025711868 Tel: 012 541 1800	
4	NES vs NES	DE KROON WIP.	Email: Fax: Tel: 016 405 9124	
5	TOTAL HARIBEEPOUR	Cnr KST ABELT STR HARIBEEPOUR	Email: jonkx@mutel.co.za Fax: 086 684 6598 Tel: 012 259 3926	
6	EXEL RIETFONTEN	PLOT 184 KAMEELDRIFT- NEST VAN DER HOFF	Email: armandofe@komsa.net Fax: 082 212 3335 Tel: 012 737 24192	
7			Email: Fax: Tel:	
8			Email: Fax: Tel:	
9			Email: Fax: Tel:	
10			Email: Fax: Tel:	
11			Email: Fax: Tel:	
12			Email: Fax: Tel:	
13			Email: Fax: Tel:	
14			Email: Fax: Tel:	
15			Email: Fax: Tel:	

Q4 Filling Stations Draft EIA

Report for Review

All interested and affected parties are invited to review the development information and to register any issues and concerns to be included and addressed in the Final EIA Report.

Venue: Tutuwedzo Lodge & Conference Centre

GPS Coordinates: (Lat/Long) - 25.652393/27.952965

Tel: 082 800 9631 (Attention Carien)

Date: 18 December 2015 – 5 February 2016 (Excluding 15 December 2015 – 5 January 2016).

Also available on our Website:

www.bokamoso.biz

Please do not hesitate to contact us if there are any questions in connection with the abovementioned development.

Contact person: **Juanita De Beer**

Tel: 012 346 3810 Fax: 086 570 5659

E-mail: lizelleg@mweb.co.za



Q4 Filling Stations Final

Scoping Report for Review

The period of 21 days allowed for your review and comments is from 16 April – 8 May 2015. Your comments should be sent directly to Bokamoso attention Mary-Lee van Zyl or Juanita De Beer (lizelleg@mweb.co.za or fax: 086 570 5659).

Venue: Tutuwedzo Lodge & Conference Centre

GPS Coordinates: (Lat/Long) - 25.652393/27.952965

Tel: 082 800 9631 (Attention Carien)

Date: 16 April – 8 May 2015 (21 Days)

Also available on our Website: www.bokamoso.biz

Please do not hesitate to contact us if there are any questions in connection with the abovementioned development.

Contact person: **Juanita De Beer**
Tel: 012 346 3810 Fax: 086 570 5659

E-mail: lizelleg@mweb.co.za



Draft Scoping Report for

Review

All interested and affected parties are invited to review the development information and to register any issues and concerns to be included and addressed in the Final Scoping Report.

Venue: Tutuwedzo Lodge & Conference Centre

GPS Coordinates: (Lat/Long) - 25.652393/27.952965

Tel: 082 800 9631 (Attention Carien)

Date: 26 November 2014 – 30 January 2015 (Excluding 15 Dec – 2 Jan)

Website: www.bokamoso.biz

Please do not hesitate to contact us if there are any questions in connection with the abovementioned development.

Contact person: **Juanita De Beer**

Tel: 012 346 3810 Fax: 086 570 5659

E-mail: lizelleg@mweb.co.za



List of REGISTERED LETTERS
Lys van GEREGISTREERDE BRIEWE
 (With an insurance option/met 'n versekeringsopsie)



Full tracking and tracing/Volledige volg en spoor

Name and address of sender: Bobamase PO Box 11375,
 Naam en adres van afsender: Mercedes 0161
Schietfontein Filling station

Enquiries/Navrae
 Toll-free number
 Tolvry nommer
0800 111 502

No	Name and address of addressee Naam en adres van geadresseerde	Insured amount Versekerde bedrag	Insurance fee Versekeringsgeld	Postage Posgeld	Service fee Diensgeld	Affix Track and Trace customer copy Plak Volg-en-Spoor-kliëntafskrif	
1	Tenim Investments P.O. Box 1400, Hartbeespoort, 0216					<small>REGISTERED LETTERS (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 885 058 986 ZA</small> CUSTOMER COPY 301028R <small>REGISTERED LETTERS (with a domestic insurance option) ShareCall 0800 111 502 www.sapo.co.za RD 885 058 955 ZA</small> CUSTOMER COPY 301028R	
2	Joey Theresa Pretorius P.O. Box 1877, Hartbeespoort, 0216						
3							
4							
5							
6							
7							
8							
9							
10							
		Total	Totaal	R	R	R	R

Number of letters posted
 Getal briewe gepos 2

Signature of client
 Handtekening van klient [Signature]

Signature of accepting officer
 Handtekening van aanneembeampte [Signature]



The value of the contents of these letters is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100,00. No compensation is payable without documentary proof. Optional insurance of up to R2 000,00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie briewe is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100,00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering van tot R2 000,00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

List of REGISTERED LETTERS
Lys van GEREГИSTREERDE BRIEWE
 (With an insurance option/met 'n versekeringsopsie)



Full tracking and tracing/Volledige volg en spoor

Name and address of sender: Bobamase P.O. Box 11 375,
 Naam en adres van afsender: Mercedoná 0161
Q4 City Filling Stations

Enquiries/Navrao
 Toll-free number
 Tollvry nommer
0800 111 502

No	Name and address of addressee Naam en adres van geadresseerde	Insured amount Versekerde bedrag	Insurance fee Versekeringsgeld	Postage Posgeld	Service fee Diensgeld	Affix Track and Trace customer copy Plak Volg-en-Spoor-klëntafskrif
1	Lynette Strauss P.O. Box 911430, Rosslyn, 0200					RD 885 057 172 ZA CUSTOMER COPY 301028R
2	Marthinus Nicolaas Ras P.O. Box 121, De Wildt, 0251					RD 885 057 186 ZA CUSTOMER COPY 301028R
3	Primeinvest 323 P.O. Box 95030, Waterkloof, 0145					RD 885 058 495 ZA CUSTOMER COPY 301028R
4	WRT Komponent Dienste P.O. Box 2778, Brits, 0250					RD 885 058 500 ZA CUSTOMER COPY 301028R
5	Petrus Johannes Yzel P.O. Box 33, De Wildt, 0251					RD 885 058 473 ZA CUSTOMER COPY 301028R
6	Johannes Jacobus van der Merwe P.O. Box 462, De Wildt, 0251					RD 885 058 487 ZA CUSTOMER COPY 301028R
7	Maddal's Padmark P.O. Box 180, De Wildt, 0251					RD 885 058 456 ZA CUSTOMER COPY 301028R
8	Burgerd Wyndand van Dyk P.O. Box 137, De Wildt, 0251					RD 885 058 460 ZA CUSTOMER COPY 301028R
9	Frederick Johannes Strauss P.O. Box 12050, Queenswood, 0121					RD 885 058 558 ZA CUSTOMER COPY 301028R
10	Harry John Nel P.O. Box 11342, Hatfield, 0028					RD 885 058 561 ZA CUSTOMER COPY 301028R
Total Totaal		R	R	R	R	

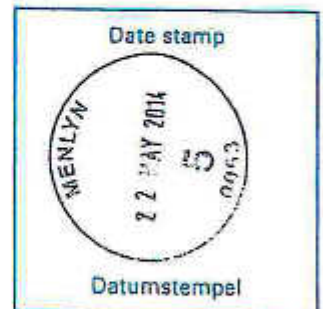
Number of letters posted
 Getal briewe gepos

Signature of client
 Handtekening van kliënt

Signature of accepting officer
 Handtekening van aanneembeampte

The value of the contents of these letters is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100,00. No compensation is payable without documentary proof. Optional insurance of up to R2 000,00 is available and applies to domestic registered letters only.

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List of REGISTERED LETTERS
Lys van GEREГИSTREERDE BRIEWE
 (With an insurance option/met 'n versekeringsopsie)



Full tracking and tracing/Volledige volg en spoor

Name and address of sender Bobamase PO Box 11 375,
 Naam en adres van afsender Marcelona 0161
Q4 City Filing Station J.

Enquiries/Navrae
 Toll-free number
 Tollvry nommer
0800 111 502

No	Name and address of addressee Naam en adres van geadresseerde	Insured amount Versekerde bedrag	Insurance fee Versekeringsgeld	Postage Posgeld	Service fee Diensgeld	Affix Track and Trace customer copy Plak Volg-en-Spoor-Kliëntafskrif
1	Marie Elizabeth Mc Lellan P.O. Box 14070, Sinoville, 0129					RD 885 058 535 ZA CUSTOMER COPY 301028R
2	The South African National Roads Agency P.O. Box 415, Pretoria, 0001					RD 885 058 544 ZA CUSTOMER COPY 301028R
3	Tenim Investments P.O. Box 1400, Hartbeespoort, 0215					RD 885 058 513 ZA CUSTOMER COPY 301028R
4	Joey Theresa Pretorius P.O. Box 1877, Hartbeespoort, 0216					RD 885 058 527 ZA CUSTOMER COPY 301028R
5						
6						
7						
8						
9						
10						

Number of letters posted **Total**
 Getal briewe gepos **Totaal**

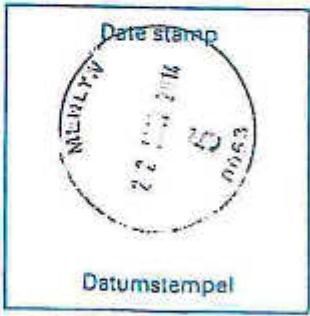
R	R	R	R
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Signature of client
 Handtekening van kliënt

Signature of accepting officer
 Handtekening van aanneembeampte

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Newspaper Advertisements

Annexure H3

VACANCY

Restaurant Manager

Required at busy established Restaurant in Hartbeespoort

- * 3 years' experience needed
- * Must have own transport
- * Must reside in Hartbeespoort area
- * Must be computer literate
- * Dynamic & Energetic

Send CV to upcc@global.co.za

ALL Recruit *We Recruit Anywhere, Anytime on behalf of Employers* 072 563 9858

Onshore drilling positions available in Mozambique - Oil & Gas fields

- 386. Drilling Project Man 100 - 120k p/m
- 385. Drill Rig Sup30k p/m
- 384. Drill Rig Operator 50k p/m
- 383. Drilling Mud Eng50k p/m

387. Sr Trust admin JHS - 3-5yrs related exp, Local & Offshore Trust Management, Salary Neg

Please visit our website www.allrecruit.co.za for more info and specifications

HAW'S Hartbeespoort Dog World Society

www.haw-s.co.za
076 455 0322
kennelmanager@haw-s.co.za

RECRUITMENT

ARE YOU THE PERFECT FIT?

We are recruiting new Property Specialists in Residential and Agricultural areas. Preference will apply to candidates with the relevant experience. Own transport, laptop/tablet and cell phone is compulsory.

Interested? Please forward your CV to info@realityhr.com

Or contact Jano at 082 923 5394 for detailed info.

FINANSIËLE ADMIN POS IN HARTIES

- * Matric - Pastel
- * Excel
- * 2 jaar rekenaar/boekhouding
- * Vat Afr - Eng
- * R10000 +

STUURCV NA
sukhine@capexpress.co.za
met Harties as verwyssing
0160 604 949

DRIVER / SUPPORT STAFF

Minimum requirement is a Matric certificate and PDP Drivers licence.

Experience: Must have a minimum of 4 years' working experience and good communication skills. Starting date: September 2015

Applications, including CV's should reach Peconwood College by 14th August 2015. E-mail: cbofmo@peconwoodcollege.co.za

VAKANTE POS

REKENINGKUNDIGE KLERK IN HARTBESPOORT

Vorige ondervinding noodsaaklik. Ee vervoer 'n vereiste.

Salaris onderhandelbaar na gelang van ondervinding.

Faks CV asseblief na 086 510 5602

BEAUTY CALLS

We are hiring a Nail Technician

Three positions to be filled in our salon

Sorbet

011 462 3333

HEAD CHEF POSITION AVAILABLE

Southcoast Recovery Centre, a Private Substance Abuse Rehabilitation Centre in the Hartbeespoort area, requires the services of a Head Chef. Position is available from October onwards.

Responsibilities: Contribute to the effective functioning of the kitchen and including food presentation & cooking, preparation of kitchen staff, stock control & costing, and menu planning & implementation.

Requirements: 4 years' chef & kitchen management experience. Diploma or certificate apt. Applicant must be willing to work on weekends.

Driver's license and own transport.

Remuneration: R12000 negotiable. Live in opportunity available

Applicants to please forward CV to hr@southcoastrecovery.co.za

Only shortlisted candidates will be contacted

RESORT DRIVER

Live out position. The candidate must be in possession of a valid driver's license with a clean violation record and have previous experience. Knowledge of Pretoria and Johannesburg routes is compulsory.

Should you wish to apply kindly forward your application to pa@mountainair.co.za

Closing date 10 August 2015.

VACANCY

Manager required for restaurant in Meerhof. must be bilingual. Must have experience & own transport

Email CV to : wikus@the-windmill.co.za

OFFICES / SHOP SPACE TO LET

ROSWILE PARK SCHOEMANVILLE

Popular location Scott Street

80m² and 30m²

AIRCONDITIONED

DANIE 082 742 1008

STORAGE UNITS TO LET

IFAFI 9m x 3m
R900.00 p/m

CONTACT
082 442 635

IFAFI CENTRE

Shops, Offices, Factories

25 min Lanseria, Pretoria, Brits

TO LET

From R50.00 m²

80m² 95m² 105m² 203m² 358m²
1165m² 1350m² 1480m²

Henry Gerber 082 889 4972

UPMARKET OFFICES TO LET

BOARDROOM • AIRCONS

RECEPTION • PATIO WITH BRAAI AREA

PLUS STORAGE ROOM

R 60/m²

082 44 22 635

NOTICES

KENNISGEWING

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

Notice is given of an application for an Environmental Impact Assessment Process (EIA Phase) that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. R543 published in the Government Notice No. 53306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing Environmental Impact Assessment Procedures (Listing Notice: 1, 2 and 3 - Government Notice R544, R545& R546) for the following activity:

Reference No: NWDE/EA/10/2013

Project Name: Q4 City Filling Stations

Property Description: On Remainder of Portion 72 and Remainder of Portion 41 of the Farm Schielstein 437 JQ

Project Description: Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Listing Activities Applied for: GNR 544 (Listing Notice 1), 18 June 2010 - Activity 9, 11, 18, 22 & 23; GNR 545 (Listing Notice 2), 18 June 2010 - Activity 3 and GNR 546 (Listing Notice 3), 18 June 2010 - Activity 4, 13 & 15

Proposed Name: Q4 Chemicals (Pty) Ltd

Location: The two filling stations will be separated by the N4 Highway between Pretoria and Brits in the North West province. The study area is situated approximately 2.5 km east of the Brits Toll Plaza.

Date of Notice: 6 August 2015 - 7 September 2015

Queries regarding this matter should be referred to:

Behemoans Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: Juanita De Beer

Project Inquiries: Mary-Lee van Zyl; Tel: (011) 546 3810
PO Box 11575; Fax: (011) 570 5699
Matielana 0161

E-mail: lizeleg@nwetsb.co.za • www.behemoans.co.za

In order to ensure that you are identified as an Interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above within 30 days of this Notice.

KOSMOS DORPSBEPLANNINGSKEMA 1999

Ingevolge Klaarwag 5/22 van die Kosmos Dorpsbeplanningskema, 1999, word klamme aan alle belanghebbendes kennis gegee dat ek, Anne du Plessis Stad- en Streekebeplanner, die ondergetekende, van voornemens is om by die Plaaslike Munisipaliteit van Madibeng aansoek te doen om spesiale toestemming tot die gebruik van Erf 151, Kosmos, geleë te Paul Krugerstraat 121, en bestaande voorgeskreë geboue daartoe vir die volgende doeleindes: Gastehuis met maksimum van drie slaapkamers. Die elementar ontwerp van die gebou is ter bedryf.

Die bestemming van die grond, ingevolge die dorpsbeplanningskema is: "Residensiële 1". Planne en/ of besonderhede aangaande hierdie aansoek lê ter insae gedurende gewone kantoorure te Munisipale Kantore, Van Veldenaast, Brits. Enige persoon wat beswaar het teen die goedkeuring van hierdie aansoek, moet die beswaar skriftelik indien by beide die Munisipale Bestuurder, Posbus 106, Brits, 0250, en die ondergetekende nie later as 2 September 2015.

NAAM EN POSADRES
Anne du Plessis Stads- en Streekebeplanner, Posbus 657, Brits, 0250, TEL: 082 559 1024

KOSMOS TOWN-PLANNING SCHEME 1999

Notice is hereby given to all whom it may concern that in terms of clause 5/22 of the Kosmos Town-Planning Scheme 1999, I, Anne du Plessis Town and Regional Planner, the undersigned intend applying to the Local Municipality of Madibeng, for special consent to use Erf 151, Kosmos, situated in 121 Paul Kruger Street, and the existing / proposed buildings thereon for the following purposes: Guest House with a maximum of three bedrooms. The owner intends to establish a bed and breakfast facility on the erf. The land is zoned: "Residential 1".

Plans and / or particulars relating to the application may be inspected during office hours at the Municipal offices, Van Velden Street, Brits. Any person having any objection to the granting of this application must lodge the objection in writing with both the Municipal Manager, P O Box 106, Brits, 0250, and the undersigned not later than 2 September 2015.

NAME AND POSTAL ADDRESS
Anne du Plessis Stads- en Streekebeplanner, Posbus 657, Brits, 0250, TEL: 082 559 1024

Vacancies

VACANCY
CASA D'VLIET
BARMAN / BARLADY
 • Good Communication Skills /
 • Love with customers
 • Must be 23years
 • Sober Habits
 • Able to manage stock
 • Willing to work flex hours
 • Own Transport
 Closing Date: 26 May 2014
 All CV's can be handed in
 personally at the offices of
 Casa D'Vliet or mailed to
 cv@casadvliet.com.co.za


VAKANTE POS
 in Hartbeespoort
Tandarts
Stoelassistent
benodig.
 • Ouderwending benodig
 • Epos CV no
 • admin@
 hartfessdentinfo.co.za
 of fax: 086 517 7835


Vacancy - Estate Manager
 An upmarket Estate on the Crocodile River near Hartbeespoort Dam has a vacancy for an Estate manager.
 The job description includes the following:
 • General management of the running of the Estate and the implementation of statutory laws and the Estate rules;
 • Management of Estate finances and human resources;
 • Management of Estate administration, Estate infrastructure and general maintenance;
 • Management of Estate security;
 • Resident liaison and well-being;
 • Liaison with external stakeholders and third parties
 The ideal candidate will be between 35 and 55, with a proven record of competence in general management.
 Candidates must exhibit excellent leadership and interpersonal skills and have a working knowledge of project management.
 A tertiary qualification and previous experience in Estate management will be regarded as an advantage.
 The job requires prospective candidates to be physically fit.
 The Estate offers a competitive salary, bonus and other benefits.
 Energetic, enthusiastic candidates with keen attention to detail are invited to submit a detailed CV to the Estate Chairman Dr Corrie Ungerer at: corrie.ungerer@gmail.com by 15h00 on Friday 30 May 2014.

COLONIAL
Marketing Position Available
 Looking for a young, confident individual well-spoken and dynamic candidate to grow within the company. Candidate must be able to work on a full time basis and be available to start immediately.
Candidates need to have:
 • Own Transport
 • Good Telephonic Communication Skills
 • Good Work Ethics
 • Must possess leadership qualities
 • Can work both alone and as part of a team
 • Can speak a second language
 To apply please forward your CV to: kim@colonial.co.za
 Job Type: Permanent
 Company Location: Hartbeespoort

Public Notice
Madibeng Local Municipality
 Notice is hereby given, in terms of Section 19(b) of the Local Government: Municipal Systems Act, 2000 (Act No 32 of 2000), that an ordinary meeting of the Municipal Council of the Madibeng Local Municipality is scheduled for Tuesday, 27 May 2014 at 10:00 in the Council Chambers, Civic Centre, Brits.
 In terms of Section 24(1) of the Local Government: Municipal Finance Management Act, 2003 (Act No 56 of 2003), the Municipal Council will consider the approval of the annual budget for the 2014/2015 financial year, as well as the IDP Review for 2014/2015, during this meeting.
 This serves as an invitation to attend the said meeting. For further information regarding the Council meetings, please contact the Office of the Speaker of Council at (012) 318-9316 or (012) 318-9400.
T MOTLASHUPING
ACTING MUNICIPAL MANAGER
 Civic Centre
 Van Velden Street
 Brits
 Notice Number: 21/2014
 Reference Number: 3/2/2/2

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS
 Notice is given of an application for an Environmental Impact Assessment Process that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. RS43 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing Environmental Impact Assessment Procedures (Listing Notice: 1, 2 and 3 - Government Notice RS44, RS45 & RS46) for the following activity:
 Reference No: NW/EA/10/2013
 Project Name: Q4 City Filling Stations
 Property Description: On Portions 22 & 41 of the Farm Scheepvlei 437 JQ
 Project Description: Two filling stations situated north and south of the M4 Highway with a total fuel capacity of 644m³. The filling stations with associated uses will serve the M4 traffic between Pretoria and Rustenburg.
 Listing Activities Applied for: GNR 544 (Listing Notice 1), 18 June 2010 - Activity 9, 11, 16, 22 & 23 and GNR 545 (Listing Notice 2), 18 June 2010 - Activity 3 and GNR 546 (Listing Notice 3), 18 June 2010 - Activity 4, 13 & 14
 Proponent Name: Q4 Chemicals (Pty) Ltd
 Location: The two filling stations will be separated by the M4 Highway between Pretoria and Brits in the north west province. They are situated approximately 2.5 km from the Brits Toll Plaza to the west of the proposed filling stations.
 Date of Notice: 22 May 2014 - 30 June 2014
 Queries regarding this matter should be referred to:
 Bokamoso Landscape Architects and Environmental Consultants CC
 Public Participation registration and inquiries: Juanita De Beer
 Project Inquiry: Mary-Lee van Zyl / Tel: (012) 346 3810
 P.O. Box 11375 - Fax: (086) 570 5659
 Maroelana 0161 - E-mail: lizef@bokamoso.co.za
 www.bokamoso.biz
 In order to ensure that you are identified as an Interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above within 40 days of this Notice.

INFOGRO
 information systems services
 InfoGro, a member of the MGK Group, is an information systems services provider. InfoGro provides outstanding opportunities for individuals to develop and to become part of this rapidly expanding company.
 There is currently the following position available:
IT TECHNICIAN
BRITS
 (Reference 14/0062)
 The successful candidate will report to the Technical Manager at Brits.
Responsibilities include:
 • Call-out and telephonic IT customer support;
 • Network trouble shooting installations; and
 • Server trouble shooting and support.
Skills, Qualifications and General Requirements:
 • A+ and N+ qualifications will be advantageous;
 • An MCS5 and/or MCITP qualification will be advantageous;
 • Experience in a similar position will be advantageous;
 • Excellent technical trouble shooting abilities;
 • Excellent communication skills, as well as human relations;
 • Hardworking, reliable and honest; and
 • Own transport essential.
 InfoGro offers the appropriate candidate a competitive package based on total cost to company.
 Interested persons may forward an abbreviated CV to Mauritz Coetsse via e-mail at mauritz@infogro.co.za. Please use the relevant reference number for the position you are applying for.
Closing date: Monday, 26 May 2014.
 If you have not heard from us in 30 days, you can assume that your application was unsuccessful.
In line with IT
www.infogro.co.za


INFOGRO
 information systems services
 InfoGro, a member of the MGK Group, is an information systems services provider. InfoGro provides outstanding opportunities for individuals to develop and to become part of this rapidly expanding company.
 There is currently the following position available:
WIRELESS TECHNICIAN
BRITS
 (Reference 14/0063)
 The successful candidate will report to the Wireless Network Manager at Brits.
Responsibilities:
 • Site tests and new installations;
 • High-site maintenance work; and
 • Wireless network trouble shooting.
Skills, Qualifications and General Requirements:
 • Grade 12 as well as N+ qualification;
 • A valid driver's license;
 • Experience in a similar position will be advantageous;
 • Technical-minded orientated; and
 • Excellent communication skills.
 InfoGro offers the appropriate candidate a competitive package based on total cost to company.
 Interested persons may forward an abbreviated CV to Mauritz Coetsse via e-mail at mauritz@infogro.co.za. Please use the relevant reference number for the position you are applying for.
Closing date: Monday, 26 May 2014.
 If you have not heard from us in 30 days, you can assume that your application was unsuccessful.
In line with IT
www.infogro.co.za


Photographs as proof

Annexure H4

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

Notice is given of an application for an **Environmental Impact Assessment Process (EIA Phase)** that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing **Environmental Impact Assessment Procedures (Listing Notice: 1, 2 and 3 – Government Notice R544, R545 & R546)** for the following activity:

Reference No: NWP/EIA/80/2013

Project Name: Q4 City Filling Stations

Property Description: On Remainder of Portion 22 and Remainder of Portion 41 of the Farm Schietfontein 437 JQ

Project Description: Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Listing Activities Applied for:

GNR 544 (Listing Notice 1), 18 June 2010	Activity 9
GNR 544 (Listing Notice 1), 18 June 2010	Activity 11
GNR 544 (Listing Notice 1), 18 June 2010	Activity 18
GNR 544 (Listing Notice 1), 18 June 2010	Activity 22
GNR 544 (Listing Notice 1), 18 June 2010	Activity 23
GNR 545 (Listing Notice 2), 18 June 2010	Activity 3
GNR 546 (Listing Notice 3), 18 June 2010	Activity 4
GNR 546 (Listing Notice 3), 18 June 2010	Activity 13
GNR 546 (Listing Notice 3), 18 June 2010	Activity 16

Proponent Name: Q4 Chemicals (Pty) Ltd

Location: The two fillings stations will be separated by the N4 Highway between Pretoria and Brits in the North West province. The study area is situated approximately 2.5 km east of the Brits Toll Plaza.

Date of Notice: 6 August 2015 – 7 September 2015

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl**

P.O. Box 11375

Maroelana 0161

www.bokamoso.biz

Tel: (012) 346 3810

Fax: (086) 570 5659

E-mail: lizelleg@mweb.co.za

In order to ensure that you are identified as an Interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above **within 30 days of this Notice**.

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS

Notice is given of an application for an **Environmental Impact Assessment Process** that was submitted to the North West Department of Economic Development, Environment, Conservation and Tourism, in terms of Regulation No. R543 published in the Government Notice No. 33306 of 18 June 2010 of the National Environment Management Act, 1998 (Act No. 107 of 1998) governing **Environmental Impact Assessment Procedures (Listing Notice: 1, 2 and 3 – Government Notice R544, R545 & R546)** for the following activity:

Reference No: NWP/EIA/80/2013

Project Name: Q4 City Filling Stations

Property Description: On Portions 22 & 41 of the Farm Schietfontein 437 JQ

Project Description: Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Listing Activities Applied for:

GNR 544 (Listing Notice 1), 18 June 2010	Activity 9
GNR 544 (Listing Notice 1), 18 June 2010	Activity 11
GNR 544 (Listing Notice 1), 18 June 2010	Activity 18
GNR 544 (Listing Notice 1), 18 June 2010	Activity 22
GNR 544 (Listing Notice 1), 18 June 2010	Activity 23
GNR 545 (Listing Notice 2), 18 June 2010	Activity 3
GNR 546 (Listing Notice 3), 18 June 2010	Activity 4
GNR 546 (Listing Notice 3), 18 June 2010	Activity 13
GNR 546 (Listing Notice 3), 18 June 2010	Activity 16

Proponent Name: Q4 Chemicals (Pty) Ltd

Location: The two fillings stations will be separated by the N4 Highway between Pretoria and Brits in the north west province. They are situated approximately 2.5 km from the Brits Toll Plaza to the west of the proposed filling stations.

Date of Notice: 22 May 2014 – 30 June 2014

Queries regarding this matter should be referred to:

Bokamoso Landscape Architects and Environmental Consultants CC

Public Participation registration and inquiries: **Juanita De Beer**

Project inquiries: **Mary-Lee van Zyl**

P.O. Box 11375

Maroelana 0161

www.bokamoso.biz

Tel: (012) 346 3810

Fax: (086) 570 5659

E-mail: lizelleg@mweb.co.za

In order to ensure that you are identified as an Interested and/or Affected Party (I&AP) please submit your name, contact information and interest in the matter, in writing, to the contact person given above **within 40 days of this Notice**.







Communication to and from Interested and Affected Parties

Annexure H5



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

North West Region, Cnr Dr. James Moroka Drive and Sekame Road | MegaCity Shopping Centre, Unit 99 | Ground Floor, Private Bag x5 | MMABATHO | 2735; Tel (018) 387 9500, Fax: (018) 392 2998/384 0913, www.dwa.gov.za

Fax	(012) 207-9914	✉	P/B X357	✉	Thabakgolo Bopape
Cell	083 854 1937		HARTBEESPOORT	☎	(012) 207-9911
Email	bopapet@dwa.gov.za		0216	✉	16/2/7/A210/B612

Bokamoso Environmental Consultants
P.O. Box 11375
Maroelana
0161
Tel: (012) 346 3810
Fax: (086) 570 5659
E-mail: Lizelleg@mweb.co.za

Attention: Mary-Lee van Zyl

DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED Q4 CITY FILLING STATION WITH THE TOTAL CAPACITY OF 644M3 ON THE FARM SCHIETFONTEIN 437-JQ MADIBENG LOCAL MUNICIPALITY: NORTH WEST PROVINCE. REF NWP/EIA/80/2013

The abovementioned subject refers.

The Department of Water and Sanitation (DWS) acknowledges receipt of the Draft Environmental Impact Assessment Report dated 15 December 2015, for the proposed City Filling Station, requesting our comments. The Department appreciate the opportunity to give comments and respond as follows:

1. Water Supply

This Department is mandated to regulate water uses as defined in Section 21 of the National Water Act 1998, (Act 36 of 1998). It is therefore requested that **all water uses** be identified for consideration and possible authorization under Section 40 of the same Act.

It is indicated in page 108 of the report that water for the project will be sourced from the boreholes indicated as QP2 borehole and BH4 borehole in the report. Taking of water from a borehole is considered as Section 21(a) water use in terms of the National Water Act, 1998 (Act 36 of 1998). You are advised to contact Department of Water and Sanitation to arrange pre-consultation meeting before lodging a water use authorisation application. All necessary information required will be discussed during the meeting.

2. Waste and Refuse Removal

It is indicated in page 110 of the report that solid waste generated from the convenience store and other on-site services will be accumulated and stored on site in the prescribed bins provided by a contracted private waste removal company. These bins will be collected at regular intervals and or on request and disposed of at registered landfill facility with the

required capacity. Chemicals and hazardous waste will be catered for according to the prescribed requirements in legislation.

Please note that all waste generated during the construction and operational phase must be managed in accordance with the hierarchy of waste management principles and disposal at a licensed landfill site must be the last option.

3. Sanitation Facility

It is indicated in page 108 of the report that there will be installation of waste water treatment plant on sites to provide sanitation services for the filling station sites. The plant will consist of a 16 m³/day package plant and will be constructed on the lowest level of each site. It is also indicated in the same page that the effluent from the package plant will be used to irrigate the garden on the filling station sites.

Please note that use of waste water for irrigation is considered as water use in terms of Section 21(e) of the National Water Act 1998, (Act 36 of 1998), and should be applied for in terms of Section 40 of the same Act.

4. Storm water

The Department has noted that the storm water system that would be designed for each of the two filling station sites will consist of standard grid inlets and underground storm water pipes and the parking area of each sites will intercept majority of the surface water during rainfall events, however, the following must be taken into consideration in order to reduce soil erosion:

- Storm water should not be allowed to enter the sewage system and roads should be maintained such that soil erosion is limited to the minimum.
- Silt traps must be used on slopes and areas that can or are likely to erode during rain.
- Topsoil must be kept apart from other soils during the construction phase as this must be used to rehabilitate the disturbed areas.


5. Flood line

In terms of Section 144 of the National Water Act 1998, (Act 36 of 1998), no development is encouraged within the 1: 100 years flood line.

Please note that no person may use water otherwise than as permitted under the National Water Act 1998, (Act 36 of 1998). Should you engage in water use without the necessary water use authorisation it will be regarded as an unlawful water use and are guilty of an offence and liable for a fine or imprisonment as stipulated in Section 151 of the National Water Act 1998, (Act 36 of 1998).

Should you have any queries, please do not hesitate to contact this office on the contact details provided

YOURS SINCERLY



ACTING CEO: LIMPOPO NORTH WEST PROTO CMA

DATE: 18/04/12

From: marylee@bokamoso.net
Sent: 22 April 2016 07:50 AM
To: Juanita de Beer
Subject: FW: Q4 VULSTASIE

From: Carien De Klerk [<mailto:carien@q4.co.za>]
Sent: 14 March 2016 01:08 PM
To: lizelleg@mweb.co.za
Subject: FW: Q4 VULSTASIE

From: Tinus de Klerk [<mailto:tinus@magaliesbye.co.za>]
Sent: 03 March 2016 03:42 PM
To: frudolph13@gmail.com; Johan; Johan Oosthuysen; Gertjie Davel; Kobie Opperman; Kobus Pieterse; Phil Louw
Cc: Tutuwedzo; freekhenn@gmail.com; 'Anton Du Plessis'; 'Pieter Snyman'; gerhard@jtson.co.za; santie.geerts@gmail.com; 'Jeanne de Klerk'
Subject: Q4 VULSTASIE

Goeie dag,

Jeanne de Klerk het 'n e-pos onder my aandag gebring wat op 2 Maart gesirkuleer het tussen die direkteure van die DWHM.

In antwoord daarop en my kommentaar as volg:

Ek het geensins 'n aanval geloods teen Johan van Rensburg of Johan Oosthuysen nie.

Ek praat hier in my hoedanigheid as Voorsitter van die Beheerliggaam van Vissershoek.

Soos die Direksie van die DWHM deeglik bewus is word die skool se water deur Tutuwedzo op 'n vergunningsbasis verskaf en het die skool 'n klomp geld spandeer om die dam op te gradeer en om water te kan pomp vir die skool. Ons kan nie op hierdie stadium sonder daardie water funksioneer nie. Ongeveer 2 weke terug was daar 'n probleem met die Departement se boorgat en as dit nie vir Tutuwedzo was nie, sou daar fisies nie drinkwater by die skool gewees het nie.

Waarom kon die kommentare nie eers met Tutuwedzo se mense of Carien bespreek word ten einde hulle die geleentheid kon gun om met voorstelle vorendag te kom voordat dit ingedien is nie. Johan van Rensburg het aan my genoem dat daar moontlik 'n alternatief kan wees vir die water probleem.

Ek het aangeleentheid met Freek Hennop bespreek wat erg teleurgestel is dat hy as Hoof en ex-officio lid van die Beheerliggaam nie enige kennis dra van die kommentare oor die voorgestelde bou van die Q4 vulstasies nie.

Soos ander lede is die die skool is ook 'n volop betaalde lid van die DWHM en enige aksies deur die Maatskappy of hulle direkteure moet tog sekerlik aan lede gekommunikeer word? Ons voorstel sou gewees dat die skool, DWHM en Tutuwedzo se mense voor die tyd om 'n tafel kon sit om almal 'n kans te gee om voorleggings te doen aangesien die skool 'n direkte belang by Tutuwedzo het soos die direkteure van bewus is.

Verder is daar ook 'n plig op Freek Hennop om enige sake wat hetsy direk of indirek die skool raak, aan die Departement te rapporteer.

Ons is mos veronderstel om 'n gemeenskap te wees wat saam werk en saam streef om De Wildt 'n beter plek te maak. Indien ons verder 'n voorstel kan maak, sal dit wees om nie 'n artikel hiervan in die De Wildt nuus te plaas nie, aangesien daar net meer partye betrokke sal raak en dit meer kompleks gaan raak.

Vriendelijke groete,

Tinus de Klerk



MAGALIES
Bee Farms

juanita@bokamoso.net

From: marylee@bokamoso.net
Sent: 22 April 2016 07:51 AM
To: Juanita de Beer
Subject: FW: Q4 CITY AND Q4 CITY EXTENSION 1
Attachments: SNR1stFloor16031409110.pdf

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



Landscape Architects & Environmental Consultants cc

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: info@bokamoso.net / marylee@bokamoso.net | www.bokamoso.net

36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Bokamoso [<mailto:reception@bokamoso.net>]
Sent: 14 March 2016 12:58 PM
To: info@bokamoso.net; marylee; bianca
Subject: FW: Q4 CITY AND Q4 CITY EXTENSION 1

From: Piet van Zyl [<mailto:vzb@esnet.co.za>]
Sent: 14 March 2016 12:50 PM
To: 'Techworld'; 'Naas Henning'; 'Info'; 'Bokamoso'; 'Henk Viljoen'
Cc: 'Carlen De Klerk'
Subject: FW: Q4 CITY AND Q4 CITY EXTENSION 1

Almal,

Aangeheg die kommentaar van SANRAL vir julle inligting.

Groete

PIETER VAN ZYL
VAN ZYL & BENADÉ
082 559 6371
(012) 346 1805

From: Dries Benadé [<mailto:vzbd@esnet.co.za>]
Sent: 14 March 2016 10:14 AM
To: vzb@esnet.co.za
Subject: FW: Q4 CITY AND Q4 CITY EXTENSION 1

Groete / Regards

Dries Benadé

VAN ZYL & BENADÉ TOWN PLANNERS/STADSBEPLANNERS
P.O. BOX 32709, Glenstantia, 0010.
Tel: (012) 346 1805 / Sel: 082 559 6372
Fax: (012) 346 1619 / 086 637 7945

From: Tiyyiselani Mashela (NR) [<mailto:MasheleT@nra.co.za>]
Sent: 14 March 2016 09:24 AM
To: 'vzbd@esnet.co.za'
Subject: Q4 CITY AND Q4 CITY EXTENSION 1

Dear Sir/Madam

Please see the attached approval letters from our office, the originals will be sent via registered mail.

Kind regards,

Mr. Tiyyiselani Mashela
Statutory Controller



Tel: (012) 426 - 6269
Fax: (012) 348 - 0883
Cell: (061) 647 - 5925
Email: mashela@nra.co.za

Northern Region
38 Ida Street, Menlo Park
Private Bag x 17, Lynnwood Ridge, 0040
www.nra.co.za
SANRAL Fraud Hotline: 0800204558

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Version: 2015.0.6189 / Virus Database: 4540/11805 - Release Date: 03/12/16

Northern Region
38 Ida Street, Menlo Park, Pretoria
Private Bag X17, Lynnwood Ridge, 0040, South Africa
Tel +27 (0) 12 426 6200 Fax +27 (0) 12 348 1680/ 0883/ 1512
Offices in Val de Grace – Pretoria (Head Office), Cape Town, Pietermaritzburg, Port Elizabeth

Reference: N11/4/3-4/10-5 Fax Number: +27 (0) 12 348 1512
Date: 10 March 2016 Direct Line: +27 (0) 12 426-6269
Contact Person: Tiyiselani Mashele Website: www.nra.co.za
Email: mashelet@nra.co.za

VAN ZYL & BENADE TOWN AND REGIONAL PLANNERS
PO Box 32709
GLENSTANTIA
0010

For attention: Ms. Amanda Viljoen

Dear Madam

**N4/10: PROPOSED TOWNSHIP ESTABLISHMENT ON REMAINDER OF
PORTION 22 (A PORTION OF PORTION 2) OF THE FARM SCHIETFONTEIN
437-JQ; Q4 CITY**

Your application referenced **1952/D** dated 3 July 2015 and your request for comments, refer.

The South African National Roads Agency SOC Limited (SANRAL) hereby gives its consent for the establishment of the above-mentioned township in terms of Section 49 of The South African National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998), subject to the following conditions:

1. BUILDING RESTRICTION AREA/ SPECIAL CONDITIONS:

- 1.1 No new structures, buildings or any other thing whatsoever shall be erected, constructed, laid or established within a distance of 20 metres measured from the national route N4 road reserve boundary without the written approval of SANRAL.
- 1.2
- All accesses to and from the site must resolved to SANRAL's and Bakwena's satisfaction. This may include upgrades to the national route N4.
 - The cross access between the two sites must be provided on the Provincial road (Road M21 – Lucas Mangope Drive).
 - This access must be reserved exclusively for connection between the two sites and shall not be open to the public for use. The position of such an access must

be determined to the satisfaction of North West Department of Public Works, Roads and Transport.

- The main access on the N4 and site layout must be designed and constructed to the satisfaction of SANRAL and Bakwena. This may include the provision of a physical median barrier.
 - The applicant has to obtain the servitude prior to proclamation of the township. All costs associated with the provision of accesses to the township will be for the applicant and will be to the satisfaction of SANRAL and Bakwena
- 1.3 No storm water disposal from the above-mentioned township to national route N4 will be allowed without the written approval of SANRAL, and the applicant shall accept SANRAL's storm water where applicable, the Agency will not be liable for any damage caused in the township by the storm-water.
- 1.4 No freestanding advertisement boards visible from national route N4 will be erected on the property without the written approval of SANRAL.

2. COSTS AND INDEMNITY:

- 2.1 SANRAL or shall not be involved in any expenditure in connection with and shall not be responsible or liable for:
- the erection of any structure
 - any financial responsibility or liability for any claim from the applicant which may occur from the lapsing of the approval.
- 2.2 The applicant indemnifies SANRAL against and holds it harmless from any claim or damage pertaining to the possible expansion of the national road in future, or damage which may be instituted or suffered by any person, including legal costs incurred as a result of:
- the erection, use or removal of the structures or other works erected or established by the applicant within the building restriction area,
 - the applicant or his successor-in-title's failure to properly maintain and render safe anything related to this approval or other works, or the non-compliance by the applicant with any condition to which this permission relates,
 - the lapsing of the approval.
- 2.3 Any action taken by the applicant in connection with the approval shall be regarded as an acceptance and compliance with the conditions including the indemnity.
- 2.4 Should any damage be caused to the national road or a user of the national road or property as a result of the erection, use or removal of the structures erected or established by the applicant, on the property, such applicant shall be liable for such damage and shall compensate against any claim from a third party.
- 2.5 Any issues in respect of noise, light or any other pollution emanating from users of the road need to be addressed by the applicant, for their own account. The applicant shall take appropriate noise mitigation measures in the design of the buildings on the property. The applicant with full knowledge of the potential environmental impacts including but not limited to noise, air and light pollution waves any claim it may have against SANRAL and indemnifies SANRAL and holds it harmless from any loss, actual expenses, claims, harm or damage of whatsoever nature that the applicant may suffer whatsoever arising from the property's close proximity to national route N4 which waiver and indemnity SANRAL hereby accepts.

- 2.6 SANRAL will not be held liable for any damage or diminishment in value of the property arising out of any impact the development hereby approved may have on existing storm water drainage on the property. SANRAL hereby reserves its right to impose any conditions in this regard that it deems reasonable in the circumstances.

3. VALIDITY PERIOD:

3.1 This approval shall lapse -

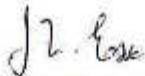
- in the event of the applicant not complying with any of the conditions as imposed by SANRAL.

4. ADDITIONAL LEGAL REQUIREMENTS:

- This approval shall bind any successor-in-title to the land on which the structures has been established.

This approval does not exempt the applicant from the provisions of any other act.

Yours faithfully



REGIONAL MANAGER: NORTHERN REGION

Northern Region

38 Ida Street, Menlo Park, Pretoria
Private Bag X17, Lynnwood Ridge, 0040, South Africa
Tel +27 (0) 12 426 6200 Fax +27 (0) 12 348 1680/ 0883/ 1512

Offices in Val de Grace – Pretoria (Head Office), Cape Town, Pietermaritzburg, Port Elizabeth

Reference:	N11/4/3-4/10-6	Fax Number:	+27 (0) 12 348 1512
Date:	10 March 2016	Direct Line:	+27 (0) 12 426-6269
Contact Person:	Tiyiselani Mashele	Website:	www.nra.co.za
Email:	mashelet@nra.co.za		

VAN ZYL & BENADE TOWN AND REGIONAL PLANNERS
PO Box 32709
GLENSTANTIA
0010

For attention: Ms. Amanda Viljoen

Dear Madam

N4/10: PROPOSED TOWNSHIP ESTABLISHMENT ON REMAINDER OF PORTION 41 (A PORTION OF PORTION 2) OF THE FARM SCHIETFONTEIN 437-JQ; Q4 CITY EXTENSION 1

Your application referenced **1953/D** dated 3 July 2015 and your request for comments, refer.

The South African National Roads Agency SOC Limited (SANRAL) hereby gives its consent for the establishment of the above-mentioned township in terms of Section 49 of The South African National Roads Agency Limited and National Roads Act, 1998 (Act 7 of 1998), subject to the following conditions:

1. BUILDING RESTRICTION AREA/ SPECIAL CONDITIONS:

- 1.1 No new structures, buildings or any other thing whatsoever shall be erected, constructed, laid or established within a distance of 20 metres measured from the national route N4 road reserve boundary without the written approval of SANRAL.
- 1.2
 - All accesses to and from the site must be resolved to SANRAL's and Bakwena's satisfaction. This may include upgrades to the national route N4.
 - The cross access between the two sites must be provided on the Provincial road (Road M21 – Lucas Mangope Drive).
 - This access must be reserved exclusively for connection between the two sites and shall not be open to the public for use. The position of such an access must

be determined to the satisfaction of North West Department of Public Works, Roads and Transport.

- The main access on the N4 and site layout must be designed and constructed to the satisfaction of SANRAL and Bakwena. This may include the provision of a physical median barrier.
 - The applicant has to obtain the servitude prior to proclamation of the township. All costs associated with the provision of accesses to the township will be for the applicant and will be to the satisfaction of SANRAL and Bakwena.
- 1.3 No storm water disposal from the above-mentioned township to national route N4 will be allowed without the written approval of SANRAL, and the applicant shall accept SANRAL's storm water where applicable, the Agency will not be liable for any damage caused in the township by the storm-water.
- 1.4 No freestanding advertisement boards visible from national route N4 will be erected on the property without the written approval of SANRAL.

2. COSTS AND INDEMNITY:

- 2.1 SANRAL or shall not be involved in any expenditure in connection with and shall not be responsible or liable for:
- the erection of any structure
 - any financial responsibility or liability for any claim from the applicant which may occur from the lapsing of the approval.
- 2.2 The applicant indemnifies SANRAL against and holds it harmless from any claim or damage pertaining to the possible expansion of the national road in future, or damage which may be instituted or suffered by any person, including legal costs incurred as a result of:
- the erection, use or removal of the structures or other works erected or established by the applicant within the building restriction area,
 - the applicant or his successor-in-title's failure to properly maintain and render safe anything related to this approval or other works, or the non-compliance by the applicant with any condition to which this permission relates,
 - the lapsing of the approval.
- 2.3 Any action taken by the applicant in connection with the approval shall be regarded as an acceptance and compliance with the conditions including the indemnity.
- 2.4 Should any damage be caused to the national road or a user of the national road or property as a result of the erection, use or removal of the structures erected or established by the applicant, on the property, such applicant shall be liable for such damage and shall compensate against any claim from a third party.
- 2.5 Any issues in respect of noise, light or any other pollution emanating from users of the road need to be addressed by the applicant, for their own account. The applicant shall take appropriate noise mitigation measures in the design of the buildings on the property. The applicant with full knowledge of the potential environmental impacts including but not limited to noise, air and light pollution waves any claim it may have against SANRAL and indemnifies SANRAL and holds it harmless from any loss, actual expenses, claims, harm or damage of whatsoever nature that the applicant may suffer whatsoever arising from the property's close proximity to national route N4 which waiver and indemnity SANRAL hereby accepts.

2.6 SANRAL will not be held liable for any damage or diminishment in value of the property arising out of any impact the development hereby approved may have on existing storm water drainage on the property. SANRAL hereby reserves its right to impose any conditions in this regard that it deems reasonable in the circumstances.

3. VALIDITY PERIOD:

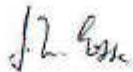
- 3.1 This approval shall lapse -
- in the event of the applicant not complying with any of the conditions as imposed by SANRAL.

4. ADDITIONAL LEGAL REQUIREMENTS:

- This approval shall bind any successor-in-title to the land on which the structures has been established.

This approval does not exempt the applicant from the provisions of any other act.

Yours faithfully



REGIONAL MANAGER: NORTHERN REGION

From: marylee@bokamoso.net
Sent: 10 March 2016 10:47 AM
To: 'mphomagasa@madibeng.gov.za'
Cc: Juanita de Beer
Subject: Comments on the Draft EIA Report - NWP/EIA/80/2013
Attachments: Madibeng.pdf

Follow Up Flag: Follow up
Flag Status: Completed

The proposed Q4 City Filling Stations with the total capacity of 644m³ on the farm Schieffontein 437 JQ

Good day Mpho,

The above-mentioned project has reference.

The draft EIA was submitted to your Department for comments on the 15th of December 2015. Please find the cover letter attached.

The review period for comments ended on 5 February 2016 (which was extended to 12 February 2016) and we have not yet received any comments from your Department. We will be submitting the Final EIA Report to the Department, I&AP's and stakeholders within the next week. Should you wish to submit comments on the Draft EIA please email it to our office by 14 March 2016.

Thank you.

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



Landscape Architects & Environmental Consultants cc

T: (+27)12 346 3810 | F: (+27) 86 570 5559 | E: lizelle@mwweb.co.za | www.bokamoso.biz
38 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Marcelana 0161

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LEBOMBO GARDENS BUILDING
LEBOMBO ROAD
SHLEA GARDENS
081

P.O. BOX 11375
MAROELANA
161

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizelleg@mweb.co.za
Website: www.Bokamoso.net



Landscape Architects, Environmental Consultants,
Environmental Auditing, Water License Applications

Environmental Specialist
Madibeng Local Municipality
53 van Velden street
Brits
0252

Tel: 012 318 9299

ATTENTION: Mpho Magasa

15 December 2015

RE: DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE
PROPOSED Q4 CITY FILLING STATION WITH THE TOTAL CAPACITY OF 644M³
ON THE FARM SCHIETFONTEIN 437 JQ, MADIBENG LOCAL MUNICIPALITY;
REF. NUM: NWP/EIA/80/2013

Please find *1x hard copy* and *1x electronic copies* of the Draft Environmental Assessment Report for the above mentioned project.

Kindly note that the Report is more than 1000 pages, therefore we are only sending one hard report in order to save paper. **If you should require any more hard copies they are available on request.**

The review period will be from 18 December 2015 until 5 February 2016. Please supply us with your valuable comments on the Draft Environmental Impact Assessment Report before **5 February 2016**.

We trust you find the above in order. Please do not hesitate to contact our office should you have any questions in this regard.

Sincerely,


P.P. Van Zyl
Mary-Lee Van Zyl

**Bokamoso Landscape Architects &
Environmental Consultants CC**



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo
Tel: 021 462 4502
Email: nkhumalo@sahra.org.za
CaseID: 5702

Date: Tuesday February 23, 2016
Page No: 1

Final Comment

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Q4 Chemicals (Pty) Ltd

Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m³. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Thank you for submitting the Heritage Impact Assessment Report to this case as requested in the Interim Comment dated 17/10/2014.

Van Vollenhoven, A.C. and Marais-Botes, L. May 2014. Phase 1 Heritage Impact Assessment (HIA) for the proposed Q4 City North Filling Station on Portion 22 of the farm Schietfontein 437 JQ, close to Brits, North-West Province.

The field assessment report was to assess the potential impacts of construction on heritage resources; the survey documented one heritage site, which is an old kraal made of stone with mortar and rectangular in shape. As it is in poor condition, the site is listed as of low significance.

Van Vollenhoven, A.C. and Marais-Botes, L. May 2014. Phase 1 Heritage Impact Assessment (HIA) for the proposed Q4 City North Filling Station on Portion 41 of the farm Schietfontein Situated on the N4 Close to Brits in the North West Province.

This portion that lies across the N4 was also surveyed for potential heritage resources, and no heritage resources were found.

Final Comment

SAHRA agrees with the recommendations made in the heritage reports referenced in this comment as follows:

The Old Kraal is considered of low significance, and no other heritage resources were identified within the proposed development.

- Any buildings older than 60 years may not be damaged or destroyed during construction. Any decisions made about the built environment older than 60 years are handled by the North-West Provincial Heritage Authority (NWPHRA) and the contact person is Mr Mothlabane Mosiane (mosianem@nwpg.gov.za).

Our Ref: 5702



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo
Tel: 021 462 4502
Email: nkhumalo@sahra.org.za
CaseID: 5702

Date: Tuesday February 23, 2016
Page No: 2

SAHRA Archaeology, Palaeontology and Meteorites Unit have no objections to this proposed development on the following conditions:

- If any evidence of archaeological sites or remains (e.g., remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments and charcoal/ash concentrations), fossils or other categories of heritage resources are found during the proposed activities, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contacted as soon as possible to inspect the findings.
- If the newly discovered heritage resources prove to be of archaeological or palaeontological significance a Phase 2 rescue operation might be necessary, and a permit will be needed before mitigation. You may contact SAHRA APM Unit for further details: (Nokukhanya Khumalo/Phillip Hine 021 202 8652).
- and if any unmarked human burials are uncovered then please contact the SAHRA BGG Unit (Mimi Seetelo 012 320 8490).

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Nokukhanya Khumalo
Heritage Officer
South African Heritage Resources Agency



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4837 | Cape Town | 8001
www.sahra.org.za

Enquiries: Nokukhanya Khumalo
Tel: 021 462 4502
Email: nkhumalo@sahra.org.za
CaseID: 5702

Date: Tuesday February 23, 2016
Page No: 3

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/164367>
(DEDECT, Ref: NWP/EIA/80/2013)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.

From: juanita@bokamoso.net
Sent: 12 February 2016 12:56 PM
To: De Wildt Helpmekeer Maatskappy
Subject: RE: Q4 filling stations

Dear Suzette,

Thank you for your response, we have noted your comments on our Issues and Comments Register.

Kind Regards/Vriendelike Groete

Juanita De Beer

Junior Environmental Consultant & Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

From: De Wildt Helpmekeer Maatskappy [mailto:dewildthelpmekeer@gmail.com]
Sent: 12 February 2016 09:53 AM
To: juanita@bokamoso.net
Subject: Q4 filling stations

Good morning Lizelle,

Attached please find comments regarding the filling station for your attention.

Friendly greetings

Suzette

juanita@bokamoso.net

From: bianca@bokamoso.net
Sent: 22 February 2016 08:41 AM
To: juanita@bokamoso.net
Subject: FW:
Attachments: RE: PROPOSED TOWNSHIP ESTABLISHMENT: Q4 CITY (22,4 KB); RE: PROPOSED TOWNSHIP ESTABLISHMENT: Q4 CITY (22,4 KB)

From: info@bokamoso.net [mailto:info@bokamoso.net]
Sent: 04 February 2016 02:31 PM
To: marylee.vanzyl@gmail.com; bianca@bokamoso.net
Subject: FW:

Afnè Aigenbacht

Senior Environmental Assessment Practitioner / Manager

Tel: 012-346 3810

Cell: 083 533 0420

Email: info@bokamoso.net



Landscape Architects & Environmental Consultants

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

From: Bokamoso [mailto:reception@bokamoso.net]
Sent: 03 February 2016 02:38 PM
To: info@bokamoso.net
Subject: FW:

From: Carien De Klerk [mailto:carien@q4.co.za]
Sent: 03 February 2016 02:16 PM
To: Piet van Zyl
Cc: faffa@q4.co.za; dreyer@q4.co.za; lizelleg@mweb.co.za; adriaan@avatt.co.za
Subject: FW:

Pieter

Vi jou inligting, miskien kan hierdie man by Sanral jou help met hulle kommentaar

Carri... 16:38



carien@g4.co.za

PH: +27 12 490 9437

FA: +27 82 381 3150

Cell: +27 62 800 9331

From: Danie Verwey [<mailto:daniev@bakwena.co.za>]

Sent: 03 February 2016 01:25 PM

To: Carien de Klerk (carien@g4.co.za)

Subject:

Soos bespreek

Danie Verwey

Bakwena Platinum Corridor Concessionaire (Pty) Ltd

Cell: +27 82 490 9437

Tel: +27 12 743-9352

PA: +27 12 743-9350

Email: daniev@bakwena.co.za

Website: www.bakwena.co.za

Disclaimer: [View our email disclaimer online](#)



From: Danie Verwey <daniev@bakwena.co.za>
Sent: 19 October 2015 10:18 AM
To: Tiyiselani Mashele (NR)
Subject: RE: PROPOSED TOWNSHIP ESTABLISHMENT: Q4 CITY

Dear Tiyiselani,

Bakwena has no objection to the proposes application.

A service access must be provided in support of both townships and in line with the attached layout plan over the Remainder of the affected portions. The Applicant has to obtain the servitude prior to proclamation of the township.

All costs associated with the provision of accesses to the township will be for the Applicant and will be to the satisfaction of SANRAL.

The above requirement is applicable to both applications.

Kind Regards,

Danie Verwey
Bakwena Platinum Corridor Concessionaire (Pty) Ltd
Cell: +27 82 490 9437
Tel: +27 12 743-9352
PA: +27 12 743-9350
Email: daniev@bakwena.co.za
Website: www.bakwena.co.za
Disclaimer: [View our email disclaimer online](#)



From: Tiyiselani Mashele (NR) [mailto:MasheleT@nra.co.za]
Sent: 14 October 2015 03:46 PM
To: Danie Verwey
Subject: PROPOSED TOWNSHIP ESTABLISHMENT: Q4 CITY

Hi Danie,

May you kindly furnish us with your comments for the attached application.

Kind regards,
Tiyiselani Mashele
Statutory Contrroller



Tel: (012) 426 - 6269
Fax: (012) 348 - 0883
Cell: (061) 647 - 5925
Email: mshelati@nra.co.za

Northern Region
38 Ida Street, Menlo Park
Private Bag x 17, Lynnwood Ridge, 0040
www.nra.co.za
SANRAL Fraud Hotline: 0800204558

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Tel +27-(0)12 844 8000. www.nra.co.za

This Disclaimer is deemed to form part of the content of this email in terms of Section 11 of the Electronic Communications and Transactions Act, 25 of 2002.

From: De Wildt Helpmekeer Maatskappy <dewildthelpmekeer@gmail.com>
Sent: 12 February 2016 09:53 AM
To: juanita@bokamoso.net
Subject: Q4 filling stations
Attachments: Comments 8 Feb 2016.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Lizelle,

Attached please find comments regarding the filling station for your attention.

Friendly greetings

Suzette

EIA - Q4 FILLING STATIONS ON PTNS 22 & 41 SCHIETFONTEIN 437 JQ:

REF NWP/EIA/80/2013: COMMENTS

P	COMMENT
2	As we understand the Town Planner applied for TOWNSHIP ESTABLISHMENT, not subdivision.
4	(b) DW&S – DWHM wish to be fully informed and wish to participate in the process for the WULA. Application needs to be made for “industrial uses”. Filling stations do not fall into the category of ground water allowed for “Industrial uses”. Previous township applications in this area were not approved due to problems with services such as water.
22	The current zoning is not “Agriculture” but “Undetermined”
25	It is not clear how hydrology can turn “positive” over time. Taking groundwater from the boreholes on two small sites over the next 10 to 40 years can surely not turn “positive”. The recent drought has confirmed this once again.
44	A number of these six boreholes fall outside the “filling station study areas” or “site boundary” as defined in Figure 3. Please clarify.
46	Water demand is 38.4 kl/ day while the <u>allowed</u> extraction in terms of GA in A21J on 7.5 and 8.5ha is clearly insufficient (see below).
59	Please take the mitigation of lighting seriously as this was an important issue when the toll gates were first established with the lights illuminating neighbours and an area as far as the Magaliesberg. Eventually this was solved satisfactorily after negotiations.
90	<p>It is <u>incorrect</u> to state that water will be extracted for “domestic use”. What is required is an “Industrial Licence”. The following are the <u>comments as obtained from the Department of Water and Sanitation;</u></p> <p><i>“GA in A21J is 45 m³/ha/annum which I believe will not provide sufficient water for the filling station, unless the property on which it is to be developed is very large! The description “Schedule 1 and small industrial users” in the table heading for groundwater use is qualified. Small industrial users refer to the definition in item 1.6 of the GA, as follows:</i></p> <p><i>‘small industrial users’ means water users who qualify as work creating enterprises that do not use more than twenty cubic metres per day and identified in the Standard Industrial Classification of All Economic Activities (5th edition), published by the Central Statistics Service, 1993, as amended and supplemented, under the following categories:-</i></p> <p><i>(a) 1: food processing</i> <i>(b) 2: prospecting, mining and quarrying;</i> <i>(c) 3: manufacturing;</i> <i>(d) 5: construction;</i></p> <p><i>I don’t believe that Filling Stations are covered by any of the descriptions under (a) to (d).”</i></p> <p>Please note that the filling station sites are approximately 7.5 ha and 8.5 ha in size. This size allows for an extraction in the vicinity of 1 kl/day which is <u>very far below the volume required.</u></p> <p><i>The DWHM expects to be intimately involved in the WULA process as the protection of underground water resources is extremely important as shown by the recent drought. We trust that an alternative source of water can be identified.</i></p>

From: Beverley Oosthuizen <tph@tph.co.za>
Sent: 12 February 2016 10:01 AM
To: juanita@bokamoso.net
Cc: bea@tph.co.za
Subject: RE: Q4 City Filling Stations - extension of review process
Attachments: EIA comments 12 Feb 2016.pdf

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

Good day Juanita

Attached hereto please see our comments on your draft Environmental Impact Assessment.

Kindly acknowledge receipt hereof.

Thank you,

Regards,

Beverley Oosthuizen
The Town Planning Hub CC
Tel: (012) 809 2229
Fax: (012) 809 2090

CONFIDENTIALITY NOTICE: This e-mail may contain confidential information and is intended only for the use of the recipient named above. Should you receive this e-mail in error, please forward it to [tph@tph.co.za] and delete from your in-box. Any disclosure, copying, distribution or action on the contents of this e-mail is strictly prohibited.



From: juanita@bokamoso.net [mailto:juanita@bokamoso.net]
Sent: 25 January 2016 15:38
To: johan@calcuplan.com; strausslynette@gmail.com; riamclellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za; dewildthelpmekaar@gmail.com
Subject: Q4 City Filling Stations - extension of review process

Dear Q4 City Filling Stations I&AP's

Please take note that our e-mails were out of order from 19 January 2016 until mid-day 22 January 2016. The origin of the e-mail problems was not at the Bokamoso office, but at the e-mail host (this explanation is not technical, because we are not computer experts). Due to the fact that Bokamoso facilitate various public participation processes, we are exposed to

thousands of e-mails from I&APs every month. External e-mails are often corrupt and distribute viruses that can destroy a company's entire computer system and all records regarding public participation. In order to protect the e-mails received from I&APs and the Bokamoso computer network, we are forced to store our e-mails off-site.

It recently came to our attention that the e-mail problems that were experienced were actually a world-wide problem and this problem was communicated with the public on news channels and through other suitable media. More detail regarding the e-mail problems that occurred during the Q4 City Filling Stations comment period will be forwarded to GDARD and it will also be made available to Q4 City Filling Stations I&APs on request. Opinions and Affidavits from two computer companies (the company that currently manages and maintains the Bokamoso computers systems and another external company that were approached to investigate the matter) will also be forwarded to GDARD in order to illustrate that the e-mail problems at Bokamoso was not an attempt to mislead the public or to manipulate the PP process.

Due to the fact that it was extremely difficult to find a solution at the time of the crisis, we decided to create an additional domain for our e-mails, which can be used by I&APs in the case of emergencies. The e-mail address for such emergency situations is lizelle@bokamoso.net.za. Our telephone number at the office is (012) 346-3810 and our fax number is 086 570 5659. You can also contact Bokamoso at the telephone number provided or you can send your comments via fax. Take note that the e-mails supplied on our public notices, invitations, e-mails etc. are now "up-and running" and it is preferred that you use the following e-mail address: juanita@bokamoso.net

Due to the delays that could have been caused in cases where I&APs wanted to forward e-mails, we decided to grant all I&APs until 12 February 2016 for the submission of their comments. The original deadline date for the submission of the Q4 City Filling Stations comments was 5 February 2016.

We apologise for the inconvenience that was caused and hope that you understand that it was never the intention of Bokamoso to sabotage/corrupt the communication channels that were provided to the I&APs. You are also welcome to contact our offices if there are any other matters/ queries regarding the Q4 City Filling Stations comments that require clarity.

Lizelle Gregory

Bokamoso Landscape Architects and Environmental Consultants

LLA's (C/P)

Professional Practice Number 2078

Professional Member of: IL, IS & IIA, S, K, L, B



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelle@mvmtl.co.za | www.bokamoso.biz

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Version: 2016.0.7357 / Virus Database: 4522/11482 - Release Date: 01/25/16

12 FEBRUARY 2016

OUR REF: TPH14027
YOUR REF: NWP/EIA/80/2013

Tel: (012) 809 2229
Fax: (012) 809 2090
E-mail: bea@tph.co.za

PO Box 11437
SilverLakes
0054
98 Pony Street
TijgerValleiOffice Park
SilverLakes
0054

BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS
PO BOX 11374
MAROELANA
0161

DRAFT ENVIRONMENTAL IMPACT ASSESMENT REPORT
PORTION 22 AND 41 OF THE FARM SCHIETFONTEIN 437JQ (PROPOSED Q4 FILLING STATION)

With reference to the aforementioned matter.

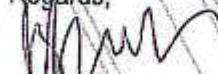
Kindly be advised that our office has worked through your draft Environmental Impact Assessment Report. The following comments / points raised need to be taken into account:

1. The impact on the existing filling stations were not adequately addressed. The report needs to make sure that there will be no detrimental effect on the existing filling stations.
2. The effect of the high grazing potential was not addressed.
3. The Total Magalies Petroport is indicated as 80km away from the proposed application sites. The Magalies Petroport is situated just over 30km from the application sites.

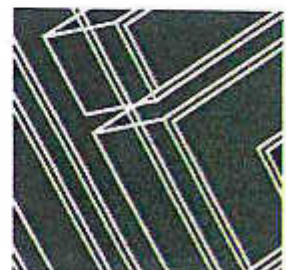
Total South Africa needs to see a proper feasibility study, with the impact on the existing sites (in litres sold) to be able to give proper comments on the report.

Trust you find this in order.

Regards,



BEA FLETCHER (TRP)SA
THE TOWN PLANNING HUB CC



From: juanita@bokamoso.net
Sent: 25 January 2016 03:39 PM
To: 'johan@calcuplan.com'; 'strausslynette@gmail.com'; 'riamclellan11@gmail.com'; 'andre@adtrp.co.za'; 'tph@tph.co.za'; 'netpet@lantic.net'; 'frans@fuelarama.co.za'; 'kallie@erasmuslaw.com'; 'gwen.theron@telkomsa.net'; 'jitske@telkomsa.net'; 'praxis@mweb.co.za'; 'nkhumalo@sahra.org.za'; 'dewildthelpmekaar@gmail.com'
Subject: Q4 City Filling Stations - extension of review process

Dear Q4 City Filling Stations I&AP's

Please take note that our e-mails were out of order from 19 January 2016 until mid-day 22 January 2016. The origin of the e-mail problems was not at the Bokamoso office, but at the e-mail host (this explanation is not technical, because we are not computer experts). Due to the fact that Bokamoso facilitate various public participation processes, we are exposed to thousands of e-mails from I&APs every month. External e-mails are often corrupt and distribute viruses that can destroy a company's entire computer system and all records regarding public participation. In order to protect the e-mails received from I&APs and the Bokamoso computer network, we are forced to store our e-mails off-site.

It recently came to our attention that the e-mail problems that were experienced were actually a world-wide problem and this problem was communicated with the public on news channels and through other suitable media. More detail regarding the e-mail problems that occurred during the Q4 City Filling Stations comment period will be forwarded to GDARD and it will also be made available to Q4 City Filling Stations I&APs on request. Opinions and Affidavits from two computer companies (the company that currently manages and maintains the Bokamoso computers systems and another external company that were approached to investigate the matter) will also be forwarded to GDARD in order to illustrate that the e-mail problems at Bokamoso was not an attempt to mislead the public or to manipulate the PP process.

Due to the fact that it was extremely difficult to find a solution at the time of the crisis, we decided to create an additional domain for our e-mails, which can be used by I&APs in the case of emergencies. The e-mail address for such emergency situations is lizelle@bokamoso.net.za. Our telephone number at the office is (012) 346-3810 and our fax number is 086 570 5659. You can also contact Bokamoso at the telephone number provided or you can send your comments via fax. Take note that the e-mails supplied on our public notices, invitations, e-mails etc. are now "up-and running" and it is preferred that you use the following e-mail address: juanita@bokamoso.net.

Due to the delays that could have been caused in cases where I&APs wanted to forward e-mails, we decided to grant all I&APs until 12 February 2016 for the submission of their comments. The original deadline date for the submission of the Q4 City Filling Stations comments was 5 February 2016.

We apologise for the inconvenience that was caused and hope that you understand that it was never the intention of Bokamoso to sabotage/corrupt the communication channels that were provided to the I&APs. You are also welcome to contact our offices if there are any other matters/ queries regarding the Q4 City Filling Stations comments that require clarity.

Lizelle Gregory

Bokamoso Landscape Architects and Environmental Consultants

BL Arch (CP)

Professional Practice Number: 875674

Professional Member At: H. AS&E, IRLA, S.I.C.L. IP



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lize@legi@amweb.co.za | www.bukamosa.biz

From: juanita@bokamoso.net
Sent: 25 January 2016 03:38 PM
To: 'jgrobler@geoscience.org.za'; 'asalomon@sahra.org.za';
'nndobochani@sahra.org.za'; 'justicem@dwaf.gov.za'; 'keetm@dwaf.gov.za';
'siwelanel@dwa.gov.za'; 'tshifaror@dwa.gov.za'; 'mathebet@dwa.gov.za';
'central@eskom.co.za'; 'paia@eskom.co.za'; 'schmidk@nra.co.za';
'mmpshe@randwater.co.za'; 'nkoneigh@randwater.co.za';
'motlalekgomommope@madibeng.gov.za'; 'daniel.ramokone@transnet.net';
'loveous.tampane@transnet.net'; 'vanwykJ@nwpg.gov.za';
'smotsaneng@yahoo.com'
Subject: Q4 City Filling Stations - extension of review process

Dear Q4 City Filling Stations I&AP's

Please take note that our e-mails were out of order from 19 January 2016 until mid-day 22 January 2016. The origin of the e-mail problems was not at the Bokamoso office, but at the e-mail host (this explanation is not technical, because we are not computer experts). Due to the fact that Bokamoso facilitate various public participation processes, we are exposed to thousands of e-mails from I&APs every month. External e-mails are often corrupt and distribute viruses that can destroy a company's entire computer system and all records regarding public participation. In order to protect the e-mails received from I&APs and the Bokamoso computer network, we are forced to store our e-mails off-site.

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Due to the delays that could have been caused in cases where I&APs wanted to forward e-mails, we decided to grant all I&APs until 12 February 2016 for the submission of their comments. The original deadline date for the submission of the Q4 City Filling Stations comments was 5 February 2016.

We apologise for the inconvenience that was caused and hope that you understand that it was never the intention of Bokamoso to sabotage/corrupt the communication channels that were provided to the I&APs. You are also welcome to contact our offices if there are any other matters/ queries regarding the Q4 City Filling Stations comments that require clarity.

Lizelle Gregory

Bokamoso Landscape Architects and Environmental Consultants

BL Arch (P)

Professional Practice Number 27075

Professional Member of the Association of Landscape Architects



**Landscape Architects &
Environmental Consultants**

T: (+27)12 349 3810 | F: (+27) 86 570 8859 | E: lizalleg@rweb.co.za | www.bokamoso.biz

juanita@bokamoso.net

From: juanita@bokamoso.net
Sent: 12 February 2016 12:58 PM
To: Beverley Oosthuizen
Cc: bea@tph.co.za
Subject: RE: Q4 City Filling Stations - extension of review process

Dear Beverley Oosthuizen,

Thank you for your response, we have noted your comments on our Issues and Comments Register.

Kind Regards/Vriendelike Groete

Juanita De Beer

Junior Environmental Consultant & Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelle@mwweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

From: Beverley Oosthuizen [mailto:tph@tph.co.za]
Sent: 12 February 2016 10:01 AM
To: juanita@bokamoso.net
Cc: bea@tph.co.za
Subject: RE: Q4 City Filling Stations - extension of review process
Importance: High

Good day Juanita

Attached hereto please see our comments on your draft Environmental Impact Assessment.

Kindly acknowledge receipt hereof.

Thank you,

Regards,

Beverley Oosthuizen
The Town Planning Hub CC
Tel: (012) 809 2229
Fax: (012) 809 2090

CONFIDENTIALITY NOTICE: This e-mail may contain confidential information and is intended only for the use of the recipient named above. Should you receive this e-mail in error, please forward it to [tph@tph.co.za] and delete from your in-box. Any disclosure, copying, distribution or action on the contents of this e-mail is strictly prohibited.



From: juanita@bokamoso.net [mailto:juanita@bokamoso.net]

Sent: 25 January 2016 15:38

To: johan@calcuplan.com; strausslynette@gmail.com; riamclellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za; dewildthelpmekaar@gmail.com

Subject: Q4 City Filling Stations - extension of review process

Dear Q4 City Filling Stations I&AP's

Please take note that our e-mails were out of order from 19 January 2016 until mid-day 22 January 2016. The origin of the e-mail problems was not at the Bokamoso office, but at the e-mail host (this explanation is not technical, because we are not computer experts). Due to the fact that Bokamoso facilitate various public participation processes, we are exposed to thousands of e-mails from I&APs every month. External e-mails are often corrupt and distribute viruses that can destroy a company's entire computer system and all records regarding public participation. In order to protect the e-mails received from I&APs and the Bokamoso computer network, we are forced to store our e-mails off-site.

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Lizelle Gregory

Bokamoso Landscape Architects and Environmental Consultants

BLArch (Pty)

Professional Practice Number 97978

Professional Member: InH, IS, I, O, E, S, R, L, A, P



**Landscape Architects &
Environmental Consultants**

T: (+27)12 345 3810 | F: (+27) 88 570 5659 | E: lizelleq@rweb.co.za | www.bokamoso.biz

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2016.0.7357 / Virus Database: 4522/11482 - Release Date: 01/25/16

From: juanita@bokamoso.net
Sent: 14 December 2015 01:21 PM
To: 'johan@calcuplan.com'; 'strausslynette@gmail.com'; 'riamclellan11@gmail.com'; 'andre@adtrp.co.za'; 'tph@tph.co.za'; 'netpet@lantic.net'; 'frans@fuelarama.co.za'; 'kallie@erasmuslaw.com'; 'gwen.theron@telkomsa.net'; 'jitske@telkomsa.net'; 'praxis@mweb.co.za'; 'nkhumalo@sahra.org.za'; 'dewildthelpmekaar@gmail.com'
Subject: Q4 City Filling Stations - Review Invitation Notice
Attachments: Review Notice1.pdf

Dear Interested and/or Affected Party Member,

Please refer to the attached Review Invitation Notice regarding the proposed *Q4 City Filling Stations* Project.

The Draft EIA Report will be available *from Friday, 18 December 2015 – 5 February 2016* on our website: www.bokamoso.biz or at the Tutuwedzo Lodge & Conference Centre.

Please note that according to the 2014 EIA Regulations the period of 15 December – 5 January will be excluded from the comment period.

Kind Regards/Vriendelike Groete

Juanita De Beer

Junior Environmental Consultant & Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

LEBOMBO GARDEN BUILDING
38 LEBOMBO ROAD
ASHLEA GARDENS
0061

P.O. BOX 11375
MAROELANA
0161

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizelleg@mweb.co.za
Website: www.bokamoso.net



De Wildt Helpmekeer Maatskappy NPC
161, De Wildt 0251
Tel. Nr: 012 525 1034
Fax Nr: 086 662 2330

20th November 2015

ATTENTION: Mr Johan Oosthuysen
Director Tshwane and Vice Chairman De Wildt Helpmekeer Company

RE: THE APPLICATION FOR ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED Q4 FILLING STATIONS WITH A TOTAL CAPACITY OF 644m² ON PORTIONS 22 AND 41 OF THE FARM SCHIETFONTEIN 437 JQ, LISTED ACTIVITIES NUMBER 9, 11, 22 AND 23 IN GN. NO R.544 AND 4, 13 AND 16 IN GN. NO. R546, MADIBENG LOCAL MUNICIPALITY, NORTH WEST PROVINCE.

Good day Mr Oosthuysen,

The abovementioned Application as well as your letter dated 25th August 2015, refer. Bokamoso Environmental would like to reassure your Company that we are aware of the fact that a water use license in terms of Section 21 of the National Water Act (Act 36 of 1998), will be required for the Abstraction of water and for the proposed on-site sanitation system. We are in a process of obtaining the water use license.

We would also like to mention that a Q4 – Fuels Water Supply and Baseline Risk Assessment had been conducted on the site of the Proposed Development by a suitably qualified Geo-hydrologist. An Engineering Geological Investigation for this Proposed Development had also been completed. Please take note that we are registering your Company as an Interested & Affected Party in our Water Use License Application Process and we will furnish you with a copy of the Application as soon as it has been completed.

We trust that the above meets with your approval. Should you have any other questions relating to the aforementioned, please do not hesitate to contact us. Also kindly confirm receipt of this letter.

Kind regards,

Loura du Toit (On behalf of MS Anè Agenbacht – Project Manager)

REG NO: CK 2010/087490/23
VAT REG NO: 4080260872

BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS CC TRADING AS BOKAMOSO ENVIRONMENTAL

MEMBER: Lizelle Gregory

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 06 August 2015 08:34 AM
To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; 'SiwelaneL@dws.gov.za'; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; 'central@eskom.co.za'; 'paia@eskom.co.za'; 'schmidk@nra.co.za'; mmpshe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomommope@madibeng.gov.za; loveous.tampane@transnet.net; vanwykj@nwpg.gov.za; smotsaneng@yahoo.com; 'johan@calcuplan.com'; strausslynette@gmail.com; riamclellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; 'praxis@mweb.co.za'; nkhumalo@sahra.org.za
Subject: Q4 City Filling Station - EIA Public Participation Process
Attachments: Public Notice EIA.pdf

Dear Interested and/or Affected Party Member,

Please refer to the attached Public Notice regarding the Environmental Impact Assessment (EIA) Phase for the proposed *Q4 City Filling Stations* Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizalleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P. O. Box 11375 Maroelana 0161

juanita@bokamoso.net

From: marylee@bokamoso.net
Sent: 07 October 2015 08:53 AM
To: nkhumalo@sahra.org.za
Cc: Bianca Reyneke
Subject: RE: Case 6144 and Case 5702

Hi Nokukhanya,

Case 5702, Q4 City Filling Stations, and your email below has reference.

The Draft EIA Report for Q4 City Filling Stations, which will include specialist studies, has not yet been submitted to the Department or the Interested and Affected Parties. The process is still on going and as soon as the Draft EIA Report is available for review you will be notified.

Another consultant will revert back to you with regards to the other case.

Trust you find the above in order.

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



Landscape Architects & Environmental Consultants cc

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelle@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Nokukhanya Khumalo [<mailto:nkhumalo@sahra.org.za>]
Sent: 05 October 2015 08:55 AM
To: Bokamoso
Subject: Case 6144 and Case 5702

Good day

This email is to enquire about the following cases on SAHRIS:
Q4 Filling Stations case 5702 Groblersdal X35 Mixed Use Development case 6144

These cases status to submitted however the EIA and the Heritage reports were not submitted to the case. Please let me know if these developments have still in the approvals process, for now I will place the cases back to studies pending until the heritage report are uploaded to the case.

Kind Regards,

Ms Nokukhanya Khumalo [BA Hons in Archaeology]
Heritage Officer: Archaeology, Palaeontology & Meteorites Unit
South African Heritage Resources Agency
111 Harrington Street
Cape Town
8001
Tel: 021 462 4502

Direct Line: 021 202 8654
Fax: 021 462 4509

This electronic communication and its content(s) are subject to a disclaimer which can be accessed on the following link:
<http://mail.sahra.org.za/disclaimer.html>

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Scanned. No Viruses Found. Copyright © 2014 iSheriff. All rights reserved.

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 07 August 2015 02:21 PM
To: 'dewildthelpmekaar@gmail.com'
Cc: 'johan@calcuplan.com'
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Dear DWHM,

Please note that you are registered as Interested and/or Affected Party Member for the proposed Q4 City Filling Stations Project.

We will keep you updated regarding the process in the future.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: tzalleg@mvweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

From: Johan [<mailto:johan@calcuplan.com>]
Sent: 07 August 2015 10:40 AM
To: 'Bokamoso'
Cc: DWHM
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Morning Juanita!

Please ensure that DWHM is also registered as I&AP.

Groete / Regards

Johan van Rensburg

**Calcuplan Town Planners/Stadsbeplanners
Environmental Consultants/Omgewingskonsultante
Petroleum Applications/Aansoeke
C: 083 491 2793**

F: 086 647 2640

(no land lines due to cable theft)

(Now on satellite internet)



 Please consider the environment before printing this e-mail

From: Bokamoso [<mailto:lizelle@mwweb.co.za>]

Sent: 06 August 2015 08:34

To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; Siwelanel@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mmpshe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomommooe@madibeng.gov.za; loveous.tampane@transnet.net; vanwyk@nwpg.gov.za; smotsaneng@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamcullan11@gmail.com; andre@adtrp.co.za; toh@toh.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mwweb.co.za; nkhumalo@sahra.org.za

Subject: Q4 City Filling Station - EIA Public Participation Process

Dear Interested and/or Affected Party Member,

Please refer to the attached Public Notice regarding the Environmental Impact Assessment (EIA) Phase for the proposed *Q4 City Filling Stations* Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

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36 Labombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Merpelana 0161

juanita@bokamoso.net

From: Bokamoso <lizelle@mweb.co.za>
Sent: 07 August 2015 01:29 PM
To: jitske@telkomsa.net
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Good day Jitske,

Please note that this is the public participation period for the EIA phase of the Q4 City Filling Stations project. The Draft EIA Report is not yet available for review. The review period of the Draft EIA Report will be communicated to all Interested and Affected Parties and Stakeholders.

Trust you find the above in order. Please do not hesitate to contact us should you have further questions.

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



**Landscape Architects &
Environmental Consultants cc**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelle@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Jitske [<mailto:jitske@telkomsa.net>]
Sent: 07 August 2015 11:04 AM
To: 'Bokamoso'
Cc: gwen.theron@telkomsa.net
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Hi Lizelle

Thank you very much.

I have checked your website but I don't see the report there, can you otherwise please place it in a dropbox for me.

Kind regards
Jitske

From: Bokamoso [<mailto:lizelle@mweb.co.za>]
Sent: 06 August 2015 08:34 AM
To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za;

Siwelanel@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mmpshe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomomope@madibeng.gov.za; loveous.tampane@transnet.net; vanwyk@nwpq.gov.za; smotsaneno@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamclemm11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za

Subject: Q4 City Filling Station - EIA Public Participation Process

Dear Interested and/or Affected Party Member,

Please refer to the attached Public Notice regarding the Environmental Impact Assessment (EIA) Phase for the proposed **Q4 City Filling Stations** Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T (+27)12 346 3810 | F: (+27) 86 570 5889 | E izelle@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161



This email has been checked for viruses by Avast antivirus software.
www.avast.com

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 17 August 2015 10:38 AM
To: 'gwen.theron@telkomsa.net'
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Dear Dr Gwen Theron,

Please note that this is the public participation period for the EIA phase of the Q4 City Filling Stations project. The Draft EIA Report is not yet available for review. The review period of the Draft EIA Report will be communicated to all Interested and Affected Parties and Stakeholders.

Trust you find the above in order. Please do not hesitate to contact us should you have further questions.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27)86 570 5659 | E: lizelle@mwweb.co.za | www.bokamoso.biz

From: Dr Gwen Theron [<mailto:gwen.theron@telkomsa.net>]
Sent: 16 August 2015 10:32 PM
To: 'Bokamoso'; jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; SiwelaneL@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mposhe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomommope@madibeng.gov.za; loveous.tampane@transnet.net; vanwykJ@nwpg.gov.za; smotsaneng@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamcleveland11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; jitske@telkomsa.net; praxis@mwweb.co.za; nkhumalo@sahra.org.za
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Juanita

I tried the website indicated on the notice nad it is not reachable

Please revert

Gwen



LEAP

Gwen Theron • P14 April No 97092
Landscape Architect • Environmental Planner
Pretoria Tel: 211 343 2151 • P.O. Box 13185 Hatfield 0024
012 343 2151 tel • cell 083 332 2116
085 626 8130 fax • gwen.theron@telkomsa.net



From: Bokamoso [<mailto:lizelleg@mweb.co.za>]

Sent: 06 August 2015 08:34 AM

To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; Siwelanel@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mmshe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomomope@madibeng.gov.za; loveous.tampane@transnet.net; vanwykJ@nwpg.gov.za; smotsaneng@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamcullan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za

Subject: Q4 City Filling Station - EIA Public Participation Process

Dear Interested and/or Affected Party Member,

Please refer to the attached Public Notice regarding the Environmental Impact Assessment (EIA) Phase for the proposed **Q4 City Filling Stations Project**.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 85 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
38 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 17 August 2015 10:43 AM
To: 'gwen.theron@telkomsa.net'
Cc: 'jgrobler@geoscience.org.za'; 'asalomon@sahra.org.za'; 'justicem@dwaf.gov.za'; 'keetm@dwaf.gov.za'; 'SiwelaneL@dws.gov.za'; 'siwelanel@dwa.gov.za'; 'tshifaror@dwa.gov.za'; 'MathebeT@dwa.gov.za'; 'central@eskom.co.za'; 'paia@eskom.co.za'; 'schmidk@nra.co.za'; 'mmpshe@randwater.co.za'; 'nkoneigh@randwater.co.za'; 'motlelekgomommope@madibeng.gov.za'; 'loveous.tampane@transnet.net'; 'vanwykJ@nwpg.gov.za'; 'smotsaneng@yahoo.com'; 'johan@calcuplan.com'; 'strausslynette@gmail.com'; 'riamcclellan11@gmail.com'; 'andre@adtrp.co.za'; 'tph@tph.co.za'; 'netpet@lantic.net'; 'frans@fuelarama.co.za'; 'kallie@erasmuslaw.com'; 'jitske@telkomsa.net'; 'praxis@mweb.co.za'; 'nkhumalo@sahra.org.za'
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Dear Dr Gwen Theron,

Please note that this is the public participation period for the EIA phase of the Q4 City Filling Stations project. The Draft EIA Report is not yet available for review. The review period of the Draft EIA Report will be communicated to all Interested and Affected Parties and Stakeholders.

Trust you find the above in order. Please do not hesitate to contact us should you have further questions.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizalleq@mweb.co.za | www.bokamoso.biz

From: Dr Gwen Theron [<mailto:gwen.theron@telkomsa.net>]
Sent: 16 August 2015 10:32 PM
To: 'Bokamoso'; jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; SiwelaneL@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mmpshe@randwater.co.za; nkoneigh@randwater.co.za; motlelekgomommope@madibeng.gov.za; loveous.tampane@transnet.net; vanwykJ@nwpg.gov.za; smotsaneng@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamcclellan11@gmail.com; andre@adtrp.co.za; toh@toh.co.za; netpet@lantic.net; frans@fuelarama.co.za;

kallie@erasmuslaw.com; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za
Subject: RE: Q4 City Filling Station - EIA Public Participation Process

Juanita

I tried the website indicated on the notice nad it is not reachable

Please revert

Gwen



LEAP

Dir. Gwen Theron • P/L Arch No 97082
Landscape Architect • Environmental Planner
Imbelaan nr 2010088410/23 • P.O. Box 13155 Hatfield 0028
012 345 2751 tel • cel 083 502 2116
082 506 6120 fax • gwen.theron@telkomsa.net



From: Bokamoso [<mailto:lizelleq@mweb.co.za>]

Sent: 06 August 2015 08:34 AM

To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; Siwelanel@dws.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; central@eskom.co.za; paia@eskom.co.za; schmidk@nra.co.za; mmipshe@randwater.co.za; nkoneigh@randwater.co.za; motlalekgomommope@madibeng.gov.za; loveous.tampang@transnet.net; vanwyk@nwpq.gov.za; smotsaneng@yahoo.com; johan@calcuplan.com; strausslynette@gmail.com; riamcullan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za

Subject: Q4 City Filling Station - EIA Public Participation Process

Dear Interested and/or Affected Party Member,

Please refer to the attached Public Notice regarding the Environmental Impact Assessment (EIA) Phase for the proposed *Q4 City Filling Stations* Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 345 3810 | F: (+27) 86 570 5859 | E: lizelleq@mweb.co.za | www.bokamoso.biz
36 Labonibo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0151

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 25 November 2014 03:55 PM
To: 'johan@calcuplan.com'; 'strausslynette@gmail.com'; riamcclellan11@gmail.com; andre@adtrp.co.za; 'tph@tph.co.za'; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; 'jitske@telkomsa.net'; 'praxis@mweb.co.za'; nkhumalo@sahra.org.za
Subject: Q4 City Filling Stations - Review Notice
Attachments: Review Notice.pdf

Dear Interested and/or Affected Party Members,

Please refer to the attached Review Notice Invitation regarding the proposed Q4 City Filling Stations Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 348 3810 | F: (+27) 86 570 5659 | E: izalle@nwweb.co.za | www.bokamoso.net
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroetana 0101

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 25 November 2014 03:49 PM
To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; 'central@eskom.co.za'; 'paia@eskom.co.za'; 'schmidk@nra.co.za'; mmpshe@randwater.co.za; 'nkoneigh@randwater.co.za'; loveous.tampane@transnet.net; vanwykJ@nwpg.gov.za; smotsaneng@yahoo.com
Subject: Q4 City Filling Stations - Review Notice
Attachments: Review Notice.pdf

Dear Interested and/or Affected Party Members,

Please refer to the attached Review Notice Invitation regarding the proposed Q4 City Filling Stations Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3310 | F: (+27) 86 570 5659 | E: izele@web.co.za | www.bokamoso.net
38 Labombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

juanita@bokamoso.net

From: Bokamoso <lizelle@mweb.co.za>
Sent: 27 November 2014 11:53 AM
To: jitske@telkomsa.net
Cc: gwen.theron@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Jitske,

Here is the Dropbox Link:

https://www.dropbox.com/s/sfg4ovr0rtdrat7/Draft%20Scoping%20Report_Q4%20City2.pdf?dl=0

On this side the report can be opened and accessed from the Bokamoso website but for your convenience I send you the link.

Trust this is in order, please let us know whether you are now able to review the report.

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



**Landscape Architects &
Environmental Consultants cc**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelle@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Bokamoso [mailto:lizelle@mweb.co.za]
Sent: 27 November 2014 09:38 AM
To: user2@bokamoso.net
Cc: user1@bokamoso.net
Subject: FW: Q4 City Filling Stations - Review Notice

From: Jitske [mailto:jitske@telkomsa.net]
Sent: 27 November 2014 09:35 AM
To: 'Bokamoso'
Cc: gwen.theron@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Good day Mary

When I click on the link it says that the page cannot be displayed. Can you please send me the dropbox link

Kind regards
Jitske

From: Bokamoso [<mailto:lizelleg@mweb.co.za>]
Sent: 27 November 2014 07:23 AM
To: jitske@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Good day Jitske,

The Draft Scoping Report is available on our website. Can you not access it there?

Alternatively we can provide you with a Dropbox link?

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



**Landscape Architects &
Environmental Consultants cc**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email.

From: Jitske [<mailto:jitske@telkomsa.net>]
Sent: 25 November 2014 05:03 PM
To: 'Bokamoso'
Cc: gwen.theron@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Good day Juanita / Lizelle

Can you please provide our offices with an electronic copy of the Draft Scoping Report.

Kind regards
Jitske

From: Bokamoso [<mailto:lizelleg@mweb.co.za>]
Sent: 25 November 2014 03:55 PM
To: johan@calcuplan.com; strausslynette@gmail.com; riamcclellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za
Subject: Q4 City Filling Stations - Review Notice

Dear Interested and/or Affected Party Members,

Please refer to the attached Review Notice Invitation regarding the proposed Q4 City Filling Stations Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 88 570 5859 | E: izelleq@outweb.co.za | www.bokamoso.net
39 Lebombo Street, Ashlea Gardens, Pretoria | P. O. Box 11375 Maroelana 0151



This email is free from viruses and malware because [avast! Antivirus](#) protection is active.



This email is free from viruses and malware because [avast! Antivirus](#) protection is active.

juanita@bokamoso.net

From: Bokamoso <lizelle@mweb.co.za>
Sent: 27 November 2014 07:23 AM
To: jitske@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Good day Jitske,

The Draft Scoping Report is available on our website. Can you not access it there?

Alternatively we can provide you with a Dropbox link?

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



**Landscape Architects &
Environmental Consultants cc**

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36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Jitske [<mailto:jitske@telkomsa.net>]
Sent: 25 November 2014 05:03 PM
To: 'Bokamoso'
Cc: gwen.theron@telkomsa.net
Subject: RE: Q4 City Filling Stations - Review Notice

Good day Juanita / Lizelle

Can you please provide our offices with an electronic copy of the Draft Scoping Report.

Kind regards
Jitske

From: Bokamoso [<mailto:lizelle@mweb.co.za>]
Sent: 25 November 2014 03:55 PM
To: joan@calcuplan.com; strausslynette@gmail.com; riamclellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za
Subject: Q4 City Filling Stations - Review Notice

Dear Interested and/or Affected Party Members,

Please refer to the attached Review Notice Invitation regarding the proposed Q4 City Filling Stations Project.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 26 370 5555 | E: izellea@mweb.co.za | www.bokamoso.co.za
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161



This email is free from viruses and malware because avast! Antivirus protection is active.

Q4 City Filling Stations

Our Ref:

Enquiries: Nokukhanya Khumalo
Tel: 021 462 4502
Email: nkhumalo@sahra.org.za
CaseID: 5702

Date: Friday October 17, 2014

Page No: 1



Interim Comment

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Q4 Chemicals (Pty) Ltd

Two filling stations situated north and south of the N4 Highway with a total fuel capacity of 644 m3. The filling stations with associated uses will serve the N4 traffic between Pretoria and Rustenburg.

Thank you for notifying SAHRA on the proposed Q4 City Filling Station in Schietfontein, north of the Magaliesburg mountain range, located on a Part of Portion 22 and a part of Portion 41 of the farm Schietfontein 437 JQ, Madibeng Local Municipality, North-West Province. The development consists of rezoning of 7 hectares of agricultural land for both portions of land for the filling stations on both sides of the N4 Freeway and the M21 Lucas Mangope Drive.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that before such sites are disturbed by development it is incumbent on the developer to ensure that the heritage authority is informed of the development and, where deemed necessary by the heritage authority, a **Heritage Impact Assessment** is done. This may include the archaeological component (Phase 1) any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

This development lies in the wider surrounding area where there is known archaeological resources, so there is a likelihood of there being archaeological resources on the site proposed for development. Thus a Heritage Impact Assessment is requested by SAHRA to assess and find any potential heritage resources on the development site and to determine the impacts the development might have on those resources.

SAHRA exempts this project from a Palaeontological Impact Assessment, because the location of the filling station development lies on land that has a negligible palaeontological sensitivity.

SAHRA APM Unit will make further comment on this case, once the following documents are submitted to this case:

- A full HIA report document that includes a AIA (Archaeological Impact Assessment), this report must follow the SAHRA minimum standards of HIA reports

(
<http://www.sahra.org.za/sites/default/files/website/articledocs/ASG2-2%20SAHRA%20A%26PIAs%20MIN%20STDS%20Ph1-2%2016May07.pdf>). Click on this link if you are not sure of the minimum standards. However this report and assessment must be done by a professional archaeologist, who is already familiar with the minimum standards. If you are not sure of where to find an archaeologist, we suggest searching in



The South African Heritage Resources Agency

Street Address: 411 Hamington Street, Cape Town 8000 * Postal Address: PO Box 4637, Cape Town 8000
* Tel: +27 21 462 4502 * Fax: +27 21 462 4509 * Web: <http://www.sahra.org.za>

Q4 City Filling Stations

Our Ref:

Enquiries: Nokukhanya Khumalo
Tel: 021 462 4502
Email: nkhumalo@sahra.org.za
CaseID: 5702

Date: Friday October 17, 2014

Page No: 2



an agency of the
Department of Arts and Culture

(<http://www.asapa.org.za/uploads/files/crm-list-october.pdf>).

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Nokukhanya Khumalo
Heritage Officer
South African Heritage Resources Agency

Colette Scheermeyer
SAHRA Head Archaeologist
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/164367>
(DEDECT, Ref: NWP/EIA/80/2013)



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 * Postal Address: PO Box 4637, Cape Town 8000
* Tel: +27 21 462 4502 * Fax: +27 21 462 4509 * Web: <http://www.sahra.org.za>

LEBOMBO GARDENS BUILDING
36 LEBOMBO ROAD
ASHLEA GARDENS
0081

P.O. BOX 11375
MARCELANA
0161

Tel: (012) 316 3810
Fax: 086 570 5659
E-mail: lizelleg@bokamoso.co.za
Website: www.bokamoso.biz

Bokamoso
ENVIRONMENTAL

Landscape Architects, Environmental Consultants,
Environmental Auditing, Water License Applications

**Madibeng Local Municipality
Department of Community Services
Civic Centre
53 Van Velden Street
Brits
0250**

Tel: 012 318 9100

**ATTENTION: Mpho Magasa
Email: mphomagasa@madibeng.gov.za**

15 August 2014

**RE: PROPOSED ENVIRONMENTAL IMPACT ASSESSMENT ON PORTIONS 22
AND 41 OF THE FARM SCHIETFONTEIN 437 JQ**
Reference number: NWP/EIA/80/2013

Your letter dated 27 May 2014 has reference.

Thank you for your comments on the project.

In your letter it is queried whether all the filling stations in Brits town was taken into consideration, you refer to ±18 existing filling stations and five proposed filling stations. Filling stations in the surrounding area was notified as part of the Public Participation process, however could you kindly provide us with these existing and proposed filling stations to ensure that all have been notified?

On the last page of your letter there is a comment stating that all environmental related documentations such as the Madibeng EMF 2010 and Madibeng SDF 2009 should be taken into consideration when conducting the reports. Would you please provide us with copies of these documents?

REG NO: CK 2010/087490/23
VAT REG NO: 4080260072
BOKAMOSO LANDSCAPE ARCHITECTS AND ENVIRONMENTAL CONSULTANTS CC

MEMBER: Lizelle Gregory

Your response in this regard will be greatly appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mary-Lee van Zyl'.

Mary-Lee van Zyl

**Bokamoso Landscape Architects
and Environmental Consultants CC**

TRANSMISSION REPORT

P. 1

(MON) SEP 29 2014 14:27

User /Account :
DESTINATION : Fax
DEST. NUMBER : 0123189203
F-CODE :
SELF-TEL # : 0124607070
PAGES : 3page
RESULT : OK

DOCUMENT# : 7618634-061
TIME STORED : SEP 29 14:18
TX START : SEP 29 14:25
DURATION : 1min.27sec
COM. MODE : G3

LEBOMBO GARDEN BUILDING
38 LEBOMBO ROAD
ASHLEA GARDENS
0081

PO BOX 11375
MAROELANA
0161

Tel: 012 334 3610
Fax: 056 670 5059
E-mail: info@bokamoso.net
Website: www.bokamoso.net



Fax Sheet. Fax Sheet. Fax Sheet. Fax Sheet.

ATTENTION Mpho Magasa

29 September 2014

LEBOMBO GARDEN BUILDING
38 LEBOMBO ROAD
ASHLEA GARDENS
0081

P.O. BOX 11375
MAROELANA
0161

Tel: (012) 346 3810
Fax: 086 570 5659
E-mail: lizel@bkmweb.co.za
Website: www.bokamoso.net



Fax Sheet. Fax Sheet. Fax Sheet. Fax Sheet.

29 September 2014

ATTENTION Mpho Magasa

Madibeng Local Municipality
Department of Community Services
Tel: 012 318 9100
Fax: 012 318 9203
Email: mphomagasa@madibeng.gov.za

Pages: 3 (Including cover page)

**RE: PROPOSED ENVIRONMENTAL IMPACT ASSESSMENT ON PORTIONS 22 AND 41
OF THE FARM SCHIETFONTEIN 437 JQ**
Reference number: NWP/EIA/80/2013

Yours faithfully,

Lizelle Gregory
Bokamoso Landscape Architects and Environmental Consultants CC

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 15 July 2014 12:15 PM
To: 'kallieerasmus@gmail.com'; 'kallie@icon.co.za'
Subject: Q4 Filling Stations - Filling Station Notification
Attachments: Interested and Affected Party Letter.pdf; Public Notice EIA.pdf

Dear Interested and/or Affected Party Members,

Please refer to the attached Public Notice & Letter regarding the proposed Q4 Filling Stations.

Hope this finds you well.

Kind Regards

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27) 12 345 3810 | F: (+27) 85 570 5859 | E: fixalleg@mweb.co.za | www.bokamoso.net
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 07 July 2014 10:41 AM
To: 'totalbrits@lantic.net'; 'sasolbrits@webmail.co.za'; 'sasolcentral@gmail.com'; 'umfula@pecico.co.za'; 'finance@dreierscc.co.za'; 'rosspetro@worldonline.co.za'; 'fmpoelie@mweb.co.za'; 'sasoldor@mweb.co.za'; 'jjvuuren@eris.co.za'; 'theo549@gmail.com'
Subject: Q4 Filling Stations - Filling Station Notification
Attachments: Interested and Affected Party Letter.pdf; Public Notice EIA.pdf

Dear Interested and/or Affected Party Members,

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Hope this finds you well.

Kind Regards

Juanita De Beer

Public Participation Consultant



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36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375, Maroelana 0101

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 08 July 2014 01:53 PM
To: 'netpet@lantic.net'
Subject: RE: APPEAL AGAINST Q4 FILLING STATIONS
Attachments: Public Notice EIA.pdf

Dear P.J.J Pienaar Brandstofgroep,

Thank you for your response, I have registered you as Interested and/or Affected Party Member for the proposed Q4 City Filling Stations Project.

I have noted your comments on our Issues and Comments Register.

Please refer to the attached Public Notice for more information regarding the proposed development.

We will keep you updated regarding the process in the future.

Hope this finds you well.

Kind Regards

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleq@mweb.co.za | www.bokamoso.net
36 Leboinbo Street, Asitlala Gardens, Pretoria | P.O. Box 11375 Mababana 0161

From: Pine Pienaar [<mailto:netpet@lantic.net>]
Sent: 08 July 2014 01:19 PM
To: lizelleq@mweb.co.za
Subject: APPEAL AGAINST Q4 FILLING STATIONS

Hereby P.J.J Pienaar Brandstofgroep lodge a formal appeal against the erecting of the Q4 Filling Station on/or next to the N4 – between Pretoria and Rustenburg.

P.J.J Pienaar Brandstofgroep

Tel - 012 252 7961
Cell - 082 789 5131
Faks - 086 270 7492
Email - netpet@lantic.net



juanita@bokamoso.net

From: Bokamoso <lizelleg@mweb.co.za>
Sent: 14 July 2014 08:45 AM
To: netpet@lantic.net
Cc: totalbrits@lantic.net
Subject: RE: Q4 - FILLING STATIONS

Good day,

The telephonic conversation this morning with Daleen Swanepoel has reference.

Thank you for your comment on the public notice.

I did have another look at the notice and noted that it states that the Brits Toll Plaza is to the west of the proposed filling stations (study site). However, the proposed filling stations is also east of the Toll Plaza. Therefore both statements are correct, depending on whether it is taken from the toll plaza or the study site.

Trust you find the above in order.

Kind Regards,

Mary-Lee van Zyl

Senior Environmental Assessment Practitioner



**Landscape Architects &
Environmental Consultants cc**

T: (+27)12 346 3810 | F: (+27) 86 570 5659 | E: lizelleg@mweb.co.za | www.bokamoso.biz
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161

Please consider the environment before printing this email

From: Juanita [<mailto:user3@bokamoso.net>]
Sent: 11 July 2014 02:53 PM
To: user2@bokamoso.net
Subject: FW: Q4 - FILLING STATIONS

From: Bokamoso [<mailto:lizelleg@mweb.co.za>]
Sent: 08 July 2014 01:52 PM
To: user3@bokamoso.net

Cc: user1@bokamoso.net

Subject: FW: Q4 - FILLING STATIONS

From: Pine Pienaar [<mailto:netpet@lantic.net>]

Sent: 08 July 2014 01:23 PM

To: lizelleq@mweb.co.za

Subject: Q4 - FILLING STATIONS

The notice is not correct, it is 2.5 km EAST of the Brits Toll Plaza.....and not WEST.....

P.J.J Pienaar Brandstofgroep

Tel - 012 252 7961

Cell - 082 789 5131

Faks - 086 270 7492

Email - netpet@lantic.net



TOTAL



SASOL
reaching new frontiers

From: Juanita <user3@bokamoso.net>
Sent: 16 April 2015 09:06 AM
To: jgrobler@geoscience.org.za; asalomon@sahra.org.za; justicem@dwaf.gov.za; keetm@dwaf.gov.za; siwelanel@dwa.gov.za; tshifaror@dwa.gov.za; MathebeT@dwa.gov.za; 'central@eskom.co.za'; 'paia@eskom.co.za'; 'schmidk@nra.co.za'; mmpshe@randwater.co.za; 'nkoneigh@randwater.co.za'; 'motlalekgomommope@madibeng.gov.za'; loveous.tampane@transnet.net; vanwykJ@nwpg.gov.za; smotsaneng@yahoo.com; 'johan@calcuplan.com'; strausslynette@gmail.com; riamciellan11@gmail.com; andre@adtrp.co.za; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za; nkhumalo@sahra.org.za
Subject: Q4 City Filling Stations - Final Review Invitation Notice
Attachments: Review Notice.pdf

Dear Interested and/or Affected Party Member,

Please refer to the attached Final Review Invitation Notice regarding the proposed *Q4 City Filling Stations* Project.

The period of 21 days allowed for your review and comment is from Today, 16 April 2015 - 8 May 2015.

Your comments should be sent directly to Bokamoso attention Mary-Lee van Zyl or Juanita de Beer before the expiring date.

Kind Regards/Vriendelike Groete

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 346 3610 | F: (+27) 86 570 5659 | E: lizellea@mweb.co.za | www.bokamoso.biz
36 Labombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Marolana 0181

juanita@bokamoso.net

From: Juanita <user3@bokamoso.net>
Sent: 07 October 2014 03:39 PM
To: 'johan@calcuplan.co.za'; strausslynette@gmail.com; riamclellan11@gmail.com; 'andre@adtrp.co.za'; tph@tph.co.za; netpet@lantic.net; frans@fuelarama.co.za; 'kallieerasmus@gmail.com'; kallie@erasmuslaw.com; gwen.theron@telkomsa.net; jitske@telkomsa.net; praxis@mweb.co.za
Subject: BID Information - Q4 City Filling Stations
Attachments: Q4 City_BID Oct 2014.pdf

Dear Interested and/or Affected Party Member,

Please refer to the attached BID (Background Information Document) regarding the proposed *Q4 City Filling Stations* Project.

Hope this finds you well.

Kind Regards

Juanita De Beer

Public Participation Consultant



**Landscape Architects &
Environmental Consultants**

T: (+27)12 349 3910 | F: (+27) 86 570 5659 | E: lizallen@mweb.co.za | www.bokamoso.net
36 Lebombo Street, Ashlea Gardens, Pretoria | P.O. Box 11375 Maroelana 0161



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Provincial Operations: North West, Cnr Dr. James Moroka Drive and Sekame Road, Megacity Shopping Centre, Unit no. 99, Ground Floor, Private Bag x5, Mmabatho, 2735; Tel (018) 387 9500, Fax: (018) 392 2998/384 0913, www.dwa.gov.za

Fax: (012) 207 9914	✉ P/B X357	✉ Thabakgolo Bopape
Cell: 083 854 1937	HARTBEESPOORT	☎ (012) 207 9911
Email bopapet@dwa.gov.za	0216	📁 16/27/A210/B616

Bokamoso Environmental Consultants
P.O. Box 11375
Maroelana
0161
Tel: (012) 346 3810
Fax: (086) 570 5659
Email: Lizelleg@mweb.co.za

Attention: Mary-Lee van Zyl

RE: DRAFT SCOPING REPORT FOR THE PROPOSED Q4 CITY FILLING STATION WITH THE TOTAL CAPACITY OF 644M3 ON THE FARM SCHIETFONTEIN 437 JQ MADIBENG LOCAL MUNICIPALITY; REF NUMBER: NWP/EIA/80/2013

Reference is made to Draft Scoping Report and the letter dated 26 November 2014 submitted to this office requesting comments.

In order to make an informed decision, the following details must be provided in the final Environmental Impact Assessment Report:

1. The impact of the proposed development on the receiving environment as well as the proposed mitigation.
2. Detailed information with regard to the source of water for the above mentioned development.
3. Detailed information of sewage treatment and disposal method during construction and operational phases of the project.
4. Detailed information of the storm water management plan/system and erosion control measures.
5. A detailed site layout plan indicating ecologically sensitive areas must be submitted to this Department
6. Identification of any environmental sensitive area and water resources such as wetlands, streams, rivers, etc. as well as possible pollution impacts and mitigation measures of such water resources.

7. Management of solid waste and hazardous waste materials generated during construction, operational and post construction phase.
8. Environmental Management Plan
9. Spillage contingency plans
10. Geotechnical investigation report
11. Detailed information regarding the 1:100 year flood line.

This Department await for the above details in order to provide more detailed comments.

Should you require any further assistance or clarity with regard to the information required, please do not hesitate to contact this office at the contact details provided.

Yours Sincerely



.....
PROVINCIAL HEAD: NORTH WEST OPERATION

DATE: 22/04/15



Madibeng

Local Municipality

PO Box 106
BRITS
0250
Tel: 012 318 9100
Fax: 012 318 9203
e-mail:
registry@madibeng.gov.za

Reference	18/1/3/2/5
Contact Person	M.T Magasa

Civic Centre 53 Van Velden Street BRITS

13th January 2015

Bokamoso Landscape Architects,
Environmental Consultants CC
PO Box 11375
Maroelana
0161

TEL : 012 346 3810
FAX : 086 570 5659

Email : lizelleq@mweb.co.za

Sir/Madam

DRAFT SCOPING REPORT FOR THE PROPOSED Q4 CITY FILLING STATION WITH THE TOTAL CAPACITY OF 644m³ ON THE FARM SCHIETFOTEIN 437 JQ, MADIBENG LOCAL MUNICIPALITY, REF NUM: NWP/EIA/80/2013

Your document dated 26 November 2014 with reference number. NWP/EIA/80/2013 has reference.

The Department of Community Services within the Madibeng Local Municipality (Waste and Environmental Management division) received the report on the 15 December 2014 and evaluated the report in terms of National Environmental Management Act (Act 107 of 1998), EIA Regulations and other legislations governing the EIA Regulations.

The Draft Scoping received from Bokamoso Landscaping Architects & Environmental Consultants refers:

Description of the Project:

The proposed activity involves the construction of two filling stations adjacent to the Bakwena Platinum Freeway. The construction will take place concurrently on portion 22 and 41 of the Farm Schietfotein 437 JQ, North West Province.

The distance mentioned in the report of Petroport being 80KM from the site is incorrect. Petroport is approximately 40km from the site.

Description of Alternatives:

Four alternatives, namely: locality alternative, land use alternative, layout alternative and the no-go alternative have been compared and discussed in the report. However, it is not clear from the Report which alternative is preferred one.

Description and assessment of the identified environmental issues:

The review of the report confirms that the methods followed in the identification and assessment of the impacts is considered to be adequate. In addition, the impacts associated with the proposed development are assessed in terms of the different phases of the proposed development. However, the report states that more detailed assessment will be done during the EIA phases.

Evaluation and presentation of the mitigation measures:

The proposed mitigation measures suggested in the report are inadequate since they are discussed in passing. In addition, no specialist studies are included in the report. However, the report states that Specialist studies will be undertaken and included in the EIA Report which the municipal will be awaiting.

Public Participation Process:

The Public Participation Process was not undertaken in accordance with the EIA regulations. No site photographs are attached in the report showing the 8 cardinal directions.

NB: Please note that in addition to providing information as required by EIA Regulation the following must also be included in the Environmental Impact Assessment Report (EIAR)

- a. Design drawing of the proposed development clearly detailing the following aspects:
 - I. Storm water management;
 - II. Plans to separate clean and dirty storm water;
 - III. Spill management measures;
 - IV. Information on whether that tanks will be single or double walled ; and
 - V. Safety features and mitigation measures.
- b. Discussion on the operation and efficiency of the separator and the type of effluent streams to be treated in the separator and the disposal thereof;
- c. The proposed project must comply with all applicable Sections and Regulations of the National Water Act, 1998 (Act 36 of 1998) and Water Services Act, 1997 (Act 108 of 1997);
- d. Commitment that all storm water to be discharged directly into sewer system will comply with the requirements of Madibeng Local Municipality and the Department of Water Affairs (DWA);
- e. Streams nearby should not be disturbed, should there be a major need to do anything on them, the Department of Water Affairs should be informed.
- f. Written confirmation from the oil company/supplier that the tanks are manufactured in accordance with SANS standards, and that the installation will conform to such standards;