

November 2023

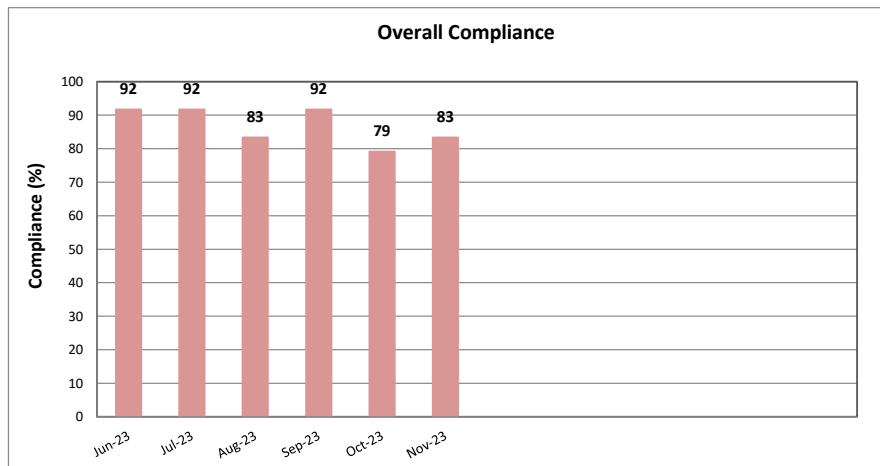
Swartkops Final Diesel Dam

Uitenhage

Site Information

Date of Sampling	02/11/2023
Sampling Point Identification	26°14,565'S 28°26,145'E
Depot	Swartkops Final Diesel Dam
Region	Uitenhage
Treatment Technology	Not applicale
Design Information	Not applicale
Design/Current Capacity	Not applicale
Maintenance	Not applicale
Flow Meter	None
Responsible Authority	Nelson Mandela Bay Metropolitan Municipality
Discharge Point	Municipal sewer

Compliance History

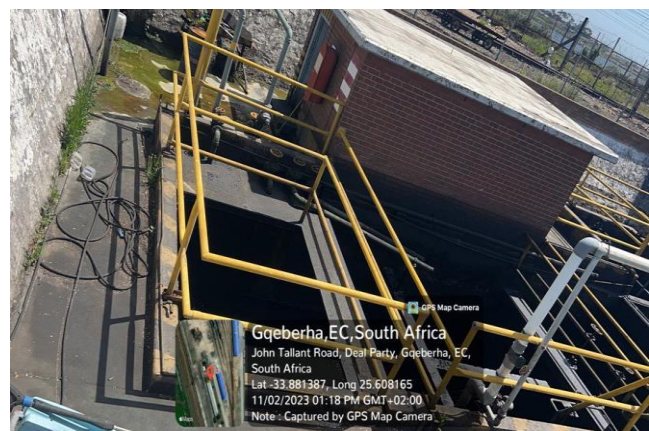


Findings

Overall Compliance	83%		
Non-compliant Parameters	COD	TSS	CI O&G
Plant Operational	Yes	No	n/a
Maintenance	Yes	No	n/a
Site Neatness	Yes	No	Spillage
Access	Easy	Difficult	Risk

Recommendation(s)

Site Visit Photo



Compliance Summary

November 2023

Parameter	Temperature		pH Value		EC		COD		TSS		Chloride		Sulphate		Soap,Oil&Grease		Phosphate		Ammonia	
Month	44°C		6.0 - 12.0		500 mS/m		10000 mg/l		1000 mg/l		1000 mg/l		1500 mg/l		450 mg/l		mg/l		mg/l	
June 2023	18.4	C	8.3	C	530	N	86	C	95	C	1735	N	180	C	0	C	1	-	2	-
July 2023	18.5	C	8.8	C	527	N	115	C	64	C	2042	N	190	C	0	C	0	-	2	-
August 2023	21.7	C	7.5	C	588	N	30472	N	1909	N	1941	N	170	C	333	C	1	-	2	-
September 2023	24.1	C	7.8	C	795	N	822	C	47	C	2861	N	281	C	0	C	1	-	2	-
October 2023	22.6	C	7.8	C	501	N	16048	N	6643	N	1761	N	194	C	12897	N	0	-	0	-
November 2023	26.2	C	7.7	C	358	C	29108	N	21314	N	1246	N	58	C	1349	N	2	-	3	-
Parameter	Arsenic		Boron		Cadmium		Chromium		Cobalt		Copper		Iron		Lead		Manganese		Mercury	
Month	5 mg/l		5 mg/l		5 mg/l		20 mg/l		5 mg/l		20 mg/l		5 mg/l		5 mg/l		5 mg/l		5 mg/l	
June 2023	0.0	C	2.1	C	0.0	C	0.0	C	0.0	C	0.0	C	0.2	C	0.0	C	0.1	C	0.0	C
July 2023	0.0	C	2.5	C	0.0	C	0.0	C	0.0	C	0.0	C	0.2	C	0.0	C	0.1	C	0.0	C
August 2023	0.0	C	1.3	C	0.0	C	0.0	C	0.0	C	0.0	C	0.2	C	0.0	C	0.1	C	0.0	C
September 2023	0.0	C	3.3	C	0.0	C	0.0	C	0.0	C	0.0	C	0.4	C	0.0	C	0.3	C	0.0	C
October 2023	0.0	C	2.1	C	0.0	C	0.0	C	0.0	C	0.0	C	1.0	C	0.0	C	0.2	C	0.0	C
November 2023	0.0	C	4.0	C	0.0	C	0.0	C	0.0	C	0.0	C	1.8	C	0.0	C	0.3	C	0.0	C

C = Compliant

N = Non-compliant

NS = No Sample Received

NA = Unable to Analyse

Parameter	Molybdenum		Nickel		Selenium		Silver		Sodium		Titanium		Zinc	
Month	5 mg/l		20 mg/l		5 mg/l		20 mg/l		mg/l		20 mg/l		5 mg/l	
June 2023	0.0	C	0.0	C	0.0	C	0.0	C	944	-	0.0	C	0.0	C
July 2023	0.0	C	0.0	C	0.0	C	0.0	C	1283	-	0.0	C	0.0	C
August 2023	0.0	C	0.0	C	0.0	C	0.0	C	573	-	0.0	C	0.0	C
September 2023	0.0	C	0.0	C	0.0	C	0.0	C	1811	-	0.0	C	0.0	C
October 2023	0.1	C	0.0	C	0.0	C	0.0	C	1082	-	0.0	C	0.1	C
November 2023	0.0	C	0.0	C	0.0	C	0.0	C	1056	-	0.0	C	0.1	C

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 = Compliant

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CERTIFICATE OF ANALYSES

CONFIDENTIAL

Identification	UTH Swartkops Final Diesel Dam	Report/Lab number	0729/23
Customer	Transnet Engineering	Date Sampled	02/11/2023
Contact Person	Mmalaka Phejane	Date Received	21/11/2023
Contact number	012 391 1320	Date Started-Completed In-house	22-27/11/2023
Email Address	Mmalaka.Phejane@transnet.net	Sub Completed	13/12/2023
Physical Address	160 Lynette Street, Kilner Park, Pretoria	Date of Report	13/12/2023

A N S	Determinants	Unit	Method	Sample ID
				0729-01
N	Temperature	°C	-	26.2
A	pH Value at 25°C	-	LA001	7.7
A	Conductivity	mS/m	LA003	358
A	Chemical Oxygen Demand	mg/l	LA013	29108
N	Total Suspended Solids	mg/l	LA006	21314
A	Chloride - Cl	mg/l	LA029	1246
A	Sulphate - SO ₄	mg/l	LA030	58
S	Oil & Grease	mg/l	-	1349
A	Ortho-Phosphate - P	mg/l	LA028	1.5
A	Ammonia - NH ₃ as N	mg/l	LA033	3.3
S	Arsenic - As	mg/l	-	0.020
S	Boron - B	mg/l	-	3.96
S	Cadmium - Cd	mg/l	-	0.001
S	Chromium - Cr	mg/l	-	<0.025
S	Cobalt - Co	mg/l	-	<0.025
S	Copper - Cu	mg/l	-	0.020
S	Iron - Fe	mg/l	-	1.84
S	Lead - Pb	mg/l	-	0.029
S	Manganese - Mn	mg/l	-	0.310
S	Mercury - Hg	mg/l	-	<0.001
S	Molybdenum - Mo	mg/l	-	<0.025
S	Nickel - Ni	mg/l	-	<0.025

NA - No Analysis done due to incompatible sample matrix; **A** – SANAS Accredited Method, **N** – Method Not Accredited – Results marked “N” in this report are not included in the SANAS Schedule of Accreditation for this laboratory; **S** – indicates Subcontracted Test - Results marked “Subcontracted Test” in this report are not included in the SANAS Schedule of Accreditation for this laboratory. Results only apply to the samples as received and tested.

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R Lax
Technical Signatory

CERTIFICATE OF ANALYSES

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A N S	Determinants	Unit	Method	Sample ID
				0729-01
S	Selenium - Se	mg/l	-	0.002
S	Silver - Ag	mg/l	-	<0.025
S	Sodium - Na	mg/l	-	1056
S	Titanium - Ti	mg/l	-	<0.03
S	Zinc - Zn	mg/l	-	0.135
End of Certificate				

Comments (sample damages/leakages, also state if this report replaces any other report (ammended) :

The water(liquid) and oil within the sample has been split, the metals have been analysed on the liquid/water part of the sample. (split was necessary for sub lab to be able to analyse the metals without damaging their equipment.)

NA - No Analysis done due to incompatible sample matrix; A – SANAS Accredited Method, N – Method Not Accredited – Results marked “N” in this report are not included in the SANAS Schedule of Accreditation for this laboratory; S – indicates Subcontracted Test - Results marked “Subcontracted Test” in this report are not included in the SANAS Schedule of Accreditation for this laboratory. Results only apply to the samples as received and tested.

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