

February 2025

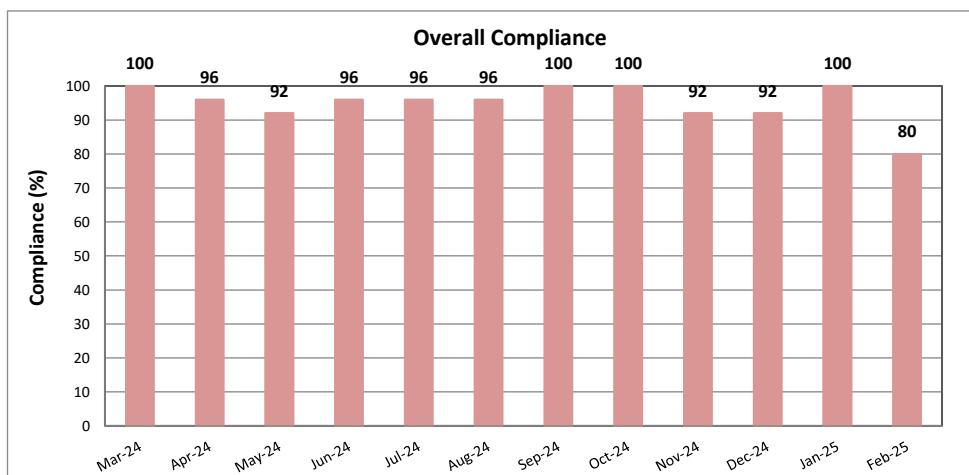
Saldanha Diesel Depot: Effluent Plant

Saltriver

Site Information

Date of Sampling	04/02/2025
Sampling Point Identification	-32.852820 18.045017
Depot	Saldanha Diesel Depot: Effluent Plant
Region	Saltriver
Treatment Technology	Unknown
Design Information	Not available
Design/Current Capacity	Not available/Unknown
Flow Meter	None
Responsible Authority	Saldanha Bay Local Municipality
Discharge Point	Municipal sewer

Compliance History



Findings

Site Visit Photo

Overall Compliance	80%		
Non-compliant Parameters	EC, COD, TSS, Boron, Iron		
Plant Operational	Yes	No	n/a
Maintenance	Yes	No	n/a
Site Neatness	Yes	No	Spillage
Access	Easy	Difficult	Risk

Recommendation(s)



Parameter	Temperature		pH Value		EC		COD		TSS		Chloride		Sulphate		Oil & Grease		Phosphate		Ammonia	
Month	43°C		6.0 - 10.0		250 mS/m		5000 mg/l		1000 mg/l		1000 mg/l		500 mg/l		200 mg/l		25 mg/l		200 mg/l	
March 2024	27.2	C	7.2	C	107	C	1147	C	389	C	178	C	438	C	2	C	2	C	0	C
April 2024	19.4	C	6.9	C	11	C	1389	C	460	C	158	C	218	C	8	C	4	C	0	C
May 2024	13.5	C	7.2	C	199	C	875	C	16	C	120	C	540	N	3	C	7	C	2	C
June 2024	14.3	C	7.6	C	189	C	920	C	196	C	113	C	353	C	0	C	4	C	1	C
July 2024	14.2	C	8.0	C	164	C	1000	C	27	C	97	C	146	C	0	C	3	C	1	C
August 2024	18.4	C	8.3	C	128	C	960	C	314	C	104	C	0	C	38	C	2	C	0	C
September 2024	21.1	C	7.5	C	139	C	863	C	18	C	16	C	0	C	3	C	1	C	0	C
October 2024	27.1	C	8.3	C	151	C	418	C	27	C	110	C	54	C	0	C	5	C	0	C
November 2024	27.3	C	8.9	C	269	N	1097	C	129	C	181	C	61	C	2	C	12	C	0	C
December 2024	30.1	C	8.5	C	269	N	2641	C	262	C	208	C	32	C	0	C	14	C	0	C
January 2025	27.9	C	7.9	C	201	C	133	C	16	C	503	C	32	C	0	C	1	C	4	C
February 2025	22.2	C	8.3	C	354	N	8929	N	2492	N	261	C	18	C	14	C	24	C	12	C
Parameter	Arsenic		Boron		Cadmium		Chromium		Cobalt		Copper		Iron		Lead		Manganese		Mercury	
Month	20 mg/l		20 mg/l		5 mg/l		10 mg/l		5 mg/l		10 mg/l		20 mg/l		5 mg/l		20 mg/l		5 mg/l	
March 2024	0.0	C	0.0	C	0.0	C	0.0	C	0.0	C	0.0	C	0.5	C	0.0	C	0.0	C	0.0	C
April 2024	0.0	C	71.0	N	0.0	C	0.0	C	0.0	C	0.0	C	7.4	C	0.0	C	0.9	C	0.0	C
May 2024	0.0	C	40.0	N	0.0	C	0.0	C	0.0	C	0.1	C	4.2	C	0.0	C	1.2	C	0.0	C
June 2024	0.0	C	47.0	N	0.0	C	0.0	C	0.0	C	0.1	C	2.9	C	0.0	C	0.8	C	0.0	C
July 2024	0.0	C	44.0	N	0.0	C	0.0	C	0.0	C	0.1	C	2.4	C	0.0	C	0.6	C	0.0	C
August 2024	0.0	C	23.0	N	0.0	C	0.0	C	0.0	C	0.1	C	2.3	C	0.0	C	0.3	C	0.0	C
September 2024	0.0	C	2.4	C	0.0	C	0.0	C	0.0	C	0.2	C	2.1	C	0.0	C	0.4	C	0.0	C
October 2024	0.0	C	19.0	C	0.0	C	0.0	C	0.0	C	0.1	C	2.6	C	0.0	C	0.7	C	0.0	C
November 2024	0.0	C	60.0	N	0.0	C	0.0	C	0.0	C	0.0	C	1.6	C	0.0	C	0.8	C	0.0	C
December 2024	0.0	C	59.0	N	0.0	C	0.0	C	0.0	C	0.1	C	1.4	C	0.0	C	0.7	C	0.0	C
January 2025	0.0	C	0.4	C	0.0	C	0.0	C	0.0	C	0.0	C	1.2	C	0.0	C	2.8	C	0.0	C
February 2025	0.0	C	121	N	0.0	C	0.1	C	0.0	C	0.0	C	22.0	N	0.2	C	3.7	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	mg/l		5 mg/l		5 mg/l		5 mg/l		mg/l		5 mg/l		20 mg/l	
March 2024	0.0		0.0	C	0.0	C	0.0	C	536	-	0.0	C	0.0	C
April 2024	0.0		0.0	C	0.0	C	0.0	C	504	-	0.0	C	1.1	C
May 2024	0.0		0.0	C	0.0	C	0.0	C	394	-	0.0	C	1.1	C
June 2024	0.0		0.0	C	0.0	C	0.0	C	385	-	0.0	C	0.4	C
July 2024	0.1		0.0	C	0.0	C	0.0	C	372	-	0.0	C	0.4	C
August 2024	0.0		0.0	C	0.0	C	0.0	C	297	-	0.0	C	0.5	C
September 2024	0.0		0.0	C	0.0	C	0.0	C	294	-	0.0	C	0.3	C
October 2024	0.1		0.0	C	0.0	C	0.0	C	312	-	0.0	C	0.2	C
November 2024	0.1		0.0	C	0.0	C	0.0	C	1097	-	0.0	C	0.3	C
December 2024	0.0		0.0	C	0.0	C	0.0	C	726	-	0.0	C	0.2	C
January 2025	0.0		0.0	C	0.0	C	0.0	C	250	-	0.0	C	0.0	C
February 2025	0.0		0.1	C	0.0	C	0.0	C	1265	-	0.0	C	2.9	C

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CERTIFICATE OF ANALYSES

CONFIDENTIAL

Identification	SLR Saldanha Diesel Depot : Effluent Plant	Report/Lab number	0248/25
Customer	Transnet Engineering	Date Sampled	04/02/2025
Contact Person	Mmalaka Phejane	Date Received	07/02/2025
Contact number	012 391 1320	Date Started-Completed In-house	07-21/02/2025
Email Address	Mmalaka.Phejane@transnet.net	Sub Completed	21/02/2025
Physical Address	160 Lynette Street, Kilner Park, Pretoria	Date of Report	24/02/2025

A N S	Determinants	Unit	Method	Sample ID
				0248-01
N	Temperature	°C	-	22.2
A	pH Value at 25°C	-	LA001	8.3
A	Conductivity	mS/m	LA003	354
A	Chemical Oxygen Demand	mg/l	LA013	8929
N	Total Suspended Solids	mg/l	LA006	2492
A	Chloride - Cl	mg/l	LA029	261
A	Sulphate - SO ₄	mg/l	LA030	18
S	Oil & Grease	mg/l	-	14.40
A	Ortho-Phosphate - P	mg/l	LA028	24
A	Ammonia - NH ₃ as N	mg/l	LA033	12
S	Arsenic - As	mg/l	-	<0.001
S	Boron - B	mg/l	-	121
S	Cadmium - Cd	mg/l	-	0.001
S	Chromium - Cr	mg/l	-	0.101
S	Cobalt - Co	mg/l	-	<0.025
S	Copper - Cu	mg/l	-	0.040
S	Iron - Fe	mg/l	-	22
S	Lead - Pb	mg/l	-	0.173
S	Manganese - Mn	mg/l	-	3.71
S	Mercury - Hg	mg/l	-	<0.001
S	Molybdenum - Mo	mg/l	-	0.010
S	Nickel - Ni	mg/l	-	0.051
S	Selenium - Se	mg/l	-	0.001

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
				0248-01
S	Silver - Ag	mg/l	-	<0.025
S	Sodium - Na	mg/l	-	1265
S	Titanium - Ti	mg/l	-	<0.03
S	Zinc - Zn	mg/l	-	2.89
End of Certificate				

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

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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