

January 2025

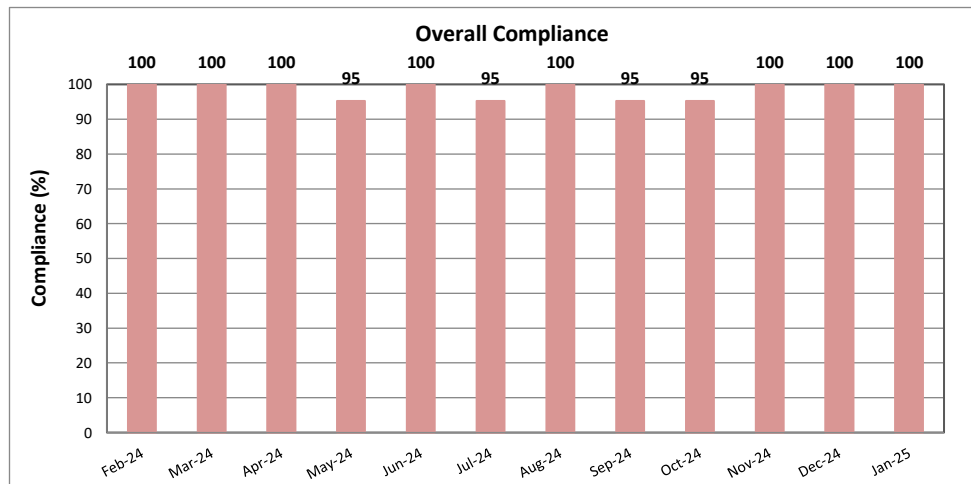
East London Cambridge Effluent Plant

Uitenhage

Site Information

Date of Sampling	03/01/2025
Sampling Point Identification	-32.967250 27.899750
Depot	East London Cambridge Effluent Plant
Region	Uitenhage
Treatment Technology	Not available/Unknown
Design Information	Not available/Unknown
Design/Current Capacity	Not available/Unknown
Flow Meter	None
Responsible Authority	Buffalo City Metropolitan Municipality
Discharge Point	Municipal sewer

Compliance History



Findings

Overall Compliance	100%		
Non-compliant Parameters			
Plant Operational	Yes	No	n/a
Maintenance	Yes	No	n/a
Site Neatness	Yes	No	Spillage
Access	Easy	Difficult	Risk

Recommendation(s)

Vegetation around the plant.

Site Visit Photo



Parameter	Temperature		pH Value		EC		COD		TSS		Chloride		Sulphate		Soap,Oil&Grease		Phosphate		Ammonia	
Month	44°C		6.0 - 12.0		400 mS/m		mg/l		1500 mg/l		750 mg/l		500 mg/l		400 mg/l		25 mg/l		mg/l	
February 2024	27.1	C	7.3	C	48	C	143		28	C	64	C	31	C	12	C	1	C	0	
March 2024	27.8	C	6.8	C	28	C	68		48	C	42	C	22	C	2	C	1	C	0	
April 2024	19.9	C	7.3	C	37	C	121		12	C	46	C	33	C	4	C	1	C	0	
May 2024	20.2	C	7.2	C	57	C	421		217	C	50	C	26	C	0	C	3	C	0	
June 2024	14.4	C	7.7	C	49	C	31		19	C	29	C	28	C	0	C	0	C	0	
July 2024	13.9	C	8.3	C	89	C	37		11	C	59	C	44	C	0	C	0	C	0	
August 2024	18.6	C	6.9	C	18	C	15		14	C	8	C	4	C	18	C	0	C	0	
September 2024	21.3	C	7.2	C	19	C	321		20	C	9	C	2	C	0	C	0	C	0	
October 2024	27.5	C	7.3	C	75	C	49		18	C	57	C	42	C	0	C	0	C	0	
November 2024	23.7	C	7.6	C	76	C	44		8	C	56	C	37	C	2	C	0	C	0	
December 2024	30.6	C	7.3	C	60	C	4		13	C	38	C	27	C	0	C	0	C	0	
January 2025	26.2	C	7.6	C	80	C	18		14	C	49	C	35	C	0	C	0	C	0	
Parameter	Arsenic		Boron		Cadmium		Chromium		Cobalt		Copper		Iron		Lead		Manganese		Mercury	
Month	5 mg/l		5 mg/l		5 mg/l		20 mg/l		mg/l		20 mg/l		20 mg/l		5 mg/l		mg/l		1 mg/l	
February 2024	0.0	C	0.4	C	0.0	C	0.0	C	0.0		0.0	C	1.5	C	0.0	C	0.3		0.0	C
March 2024	0.0	C	0.0	C	0.0	C	0.0	C	0.0		0.0	C	1.1	C	0.0	C	0.0		0.0	C
April 2024	0.0	C	0.3	C	0.0	C	0.0	C	0.0		0.0	C	0.9	C	0.0	C	0.2		0.0	C
May 2024	0.0	C	12.0	N	0.0	C	0.0	C	0.0		0.0	C	1.7	C	0.0	C	0.2		0.0	C
June 2024	0.0	C	0.3	C	0.0	C	0.0	C	0.0		0.0	C	0.2	C	0.0	C	0.0		0.0	C
July 2024	0.0	C	20.0	N	0.0	C	0.1	C	0.0		0.1	C	1.9	C	0.0	C	1.1		0.0	C
August 2024	0.0	C	0.0	C	0.0	C	0.0	C	0.0		0.0	C	0.0	C	0.0	C	0.0		0.0	C
September 2024	0.0	C	8.2	N	0.0	C	0.0	C	0.0		0.0	C	1.2	C	0.0	C	0.2		0.0	C
October 2024	0.0	C	8.7	N	0.0	C	0.0	C	0.0		0.0	C	0.6	C	0.0	C	0.3		0.0	C
November 2024	0.0	C	1.1	C	0.0	C	0.0	C	0.0		0.0	C	0.3	C	0.0	C	0.2		0.0	C
December 2024	0.0	C	0.2	C	0.0	C	0.0	C	0.0		0.0	C	0.2	C	0.0	C	0.1		0.0	C
January 2025	0.0	C	0.3	C	0.0	C	0.0	C	0.0		0.0	C	0.1	C	0.0	C	0.0		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		mg/l		500 mg/l		mg/l		20 mg/l	
February 2024	0.0	C	0.0	C	0.0	C	0.0		109	C	0.0		0.1	C
March 2024	0.0	C	0.0	C	0.0	C	0.0		61.0	C	0.0		0.0	C
April 2024	0.0	C	0.0	C	0.0	C	0.0		69.0	C	0.0		0.1	C
May 2024	0.0	C	0.0	C	0.0	C	0.0		165	C	0.0		0.8	C
June 2024	0.0	C	0.0	C	0.0	C	0.0		49.0	C	0.0		0.0	C
July 2024	0.0	C	0.1	C	0.0	C	0.0		135	C	0.0		0.1	C
August 2024	0.0	C	0.0	C	0.0	C	0.0		47.0	C	0.0		1.0	C
September 2024	0.0	C	0.0	C	0.0	C	0.0		194	C	0.0		0.0	C
October 2024	0.0	C	0.0	C	0.0	C	0.0		101	C	0.0		0.2	C
November 2024	0.0	C	0.0	C	0.0	C	0.0		106	C	0.0		0.0	C
December 2024	0.0	C	0.0	C	0.0	C	0.0		65.0	C	0.0		0.0	C
January 2025	0.0	C	0.0	C	0.0	C	0.0		113	C	0.0		0.0	C

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CERTIFICATE OF ANALYSES

CONFIDENTIAL

Identification	UTH East London Cambridge Effluent Plant	Report/Lab number	0029/25
Customer	Transnet Engineering	Date Sampled	03/01/2025
Contact Person	Mmalaka Phejane	Date Received	10/01/2025
Contact number	012 391 1320	Date Started-Completed In-house	10-16/01/2025
Email Address	Mmalaka.Phejane@transnet.net	Sub Completed	03/02/2025
Physical Address	160 Lynette Street, Kilner Park, Pretoria	Date of Report	04/02/2025

A N S	Determinants	Unit	Method	Sample ID
				0029-01
N	Temperature	°C	-	26.2
A	pH Value at 25°C	-	LA001	7.6
A	Conductivity	mS/m	LA003	80
N	Chemical Oxygen Demand	mg/l	LA012	<20
N	Total Suspended Solids	mg/l	LA006	14
A	Chloride - Cl	mg/l	LA029	49
A	Sulphate - SO ₄	mg/l	LA030	35
S	Oil & Grease	mg/l	-	<0.100
A	Ortho-Phosphate - P	mg/l	LA028	<1.0
A	Ammonia - NH ₃ as N	mg/l	LA033	<0.5
S	Arsenic - As	mg/l	-	<0.001
S	Boron - B	mg/l	-	0.340
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	-	<0.010
S	Iron - Fe	mg/l	-	0.063
S	Lead - Pb	mg/l	-	<0.001
S	Manganese - Mn	mg/l	-	0.028
S	Mercury - Hg	mg/l	-	<0.001
S	Molybdenum - Mo	mg/l	-	0.002
S	Nickel - Ni	mg/l	-	<0.025
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
				0029-01
S	Silver - Ag	mg/l	-	<0.025
S	Sodium - Na	mg/l	-	113
S	Titanium - Ti	mg/l	-	<0.03
S	Zinc - Zn	mg/l	-	<0.025
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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