

Date: 28 January 2025

The Executive Director: Water Services Department

Harry Gwala District Municipality

40 Main Street

Ixopo

3276

Attention: Basetsana Khathalib and Bheki Nene

AVAILABLE JANUARY 2025 WASTEWATER RESULTS

Please find AVAILABLE January 2025 Wastewater results tabulated below for samples received during January 2025. Determinands marked with an asterisk are unaccredited and are not included in uMngeni-uThukela Water's schedule of accreditation.

Please contact us immediately should you have any queries.

Yours' Sincerely

Mr M Sewcharan

Client Services Manager

uMngeni-uThukela Water

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Sample Date	Sample Number	Sampling Point	Description	Determinand	Result	UOM	Unit
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	COD*	419	-	mg O2/L
09-Jan-25	2328348	WUMZ001	Umzimkhulu WWW Influent	Coll Time OS*	06:54	-	-
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	Conductivity	79.9	±1.5%	mS/m
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	NH3*	46.3	-	mg N/L
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	NO3*	<0.50	-	mg N/L
09-Jan-25	2328348	WUMZ001	Umzimkhulu WWW Influent	pH OS*	7.70	-	-
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	SRP*	4654	-	ug P/L
09-Jan-25	2328349	WUMZ001	Umzimkhulu WWW Influent	SS	161	±8.2%	mg /L
09-Jan-25	2328348	WUMZ001	Umzimkhulu WWW Influent	Temperature OS*	23.9	-	°C
13-Jan-25	2326041	RKOK001	River above Kokstad	COD*	20.9	-	mg O2/L
13-Jan-25	2326037	RKOK001	River above Kokstad	Coll Time OS*	10:30	-	-
13-Jan-25	2326039	RKOK001	River above Kokstad	Colour	18.5	±6.5%	mg Pt-Co/L
13-Jan-25	2326041	RKOK001	River above Kokstad	Conductivity	18.0	±1.5%	mS/m
13-Jan-25	2326038	RKOK001	River above Kokstad	E.coli*	>2420	±21%	MPN/100mL
13-Jan-25	2326041	RKOK001	River above Kokstad	NH3*	0.84	±5.5%	mg N/L
13-Jan-25	2326041	RKOK001	River above Kokstad	NO2	0.17	±2.4%	mg N/L
13-Jan-25	2326041	RKOK001	River above Kokstad	NO3	0.65	±2.9%	mg N/L
13-Jan-25	2326040	RKOK001	River above Kokstad	OG*	<1.20	-	mg /L
13-Jan-25	2326037	RKOK001	River above Kokstad	pH OS*	7.50	-	-
13-Jan-25	2326041	RKOK001	River above Kokstad	SRP*	59.4	±7.7%	ug P/L
13-Jan-25	2326039	RKOK001	River above Kokstad	SS	25.6	±3.7%	mg /L
13-Jan-25	2326037	RKOK001	River above Kokstad	Temperature OS*	19.4	-	°C
13-Jan-25	2326042	RKOK002	River below Kokstad	Cl2 (F) OS*	0.15	-	mg Cl2/L
13-Jan-25	2326042	RKOK002	River below Kokstad	Cl2 (T) OS*	0.19	-	mg Cl2/L
13-Jan-25	2326046	RKOK002	River below Kokstad	COD*	<20.0	-	mg O2/L
13-Jan-25	2326042	RKOK002	River below Kokstad	Coll Time OS*	09:40	-	-
13-Jan-25	2326044	RKOK002	River below Kokstad	Colour	17.8	±6.5%	mg Pt-Co/L
13-Jan-25	2326046	RKOK002	River below Kokstad	Conductivity	19.5	±1.5%	mS/m

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13-Jan-25	2326043	RKOK002	River below Kokstad	E.coli*	>2420	±21%	MPN/100mL
13-Jan-25	2326046	RKOK002	River below Kokstad	NH3*	1.63	±5.5%	mg N/L
13-Jan-25	2326046	RKOK002	River below Kokstad	NO2	0.25	±2.4%	mg N/L
13-Jan-25	2326046	RKOK002	River below Kokstad	NO3	0.85	±2.9%	mg N/L
13-Jan-25	2326045	RKOK002	River below Kokstad	OG*	<1.20	-	mg /L
13-Jan-25	2326042	RKOK002	River below Kokstad	pH OS*	7.60	-	-
13-Jan-25	2326046	RKOK002	River below Kokstad	SRP*	146	±7.7%	ug P/L
13-Jan-25	2326044	RKOK002	River below Kokstad	SS	14.8	±3.7%	mg /L
13-Jan-25	2326042	RKOK002	River below Kokstad	Temperature OS*	19.5	-	°C
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	COD*	3600	-	mg O2/L
13-Jan-25	2329870	WKK001	KoKstad WWW Influent	Coll Time OS*	8:20	-	-
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	Conductivity	77.9	±1.5%	mS/m
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	NH3*	32.1	-	mg N/L
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	NO3*	<0.50	-	mg N/L
13-Jan-25	2329870	WKK001	KoKstad WWW Influent	pH OS*	7.80	-	-
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	SRP*	7329	-	ug P/L
13-Jan-25	2329871	WKK001	KoKstad WWW Influent	SS	1582	±8.2%	mg /L
13-Jan-25	2329870	WKK001	KoKstad WWW Influent	Temperature OS*	23.2	-	°C
13-Jan-25	2329872	WKK004	Kokstad WWW Final Effluent M	Cl2 (F) OS*	<0.05	-	mg Cl2/L
13-Jan-25	2329872	WKK004	Kokstad WWW Final Effluent M	Cl2 (T) OS*	0.09	-	mg Cl2/L
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	COD*	103	-	mg O2/L
13-Jan-25	2329872	WKK004	Kokstad WWW Final Effluent M	Coll Time OS*	10:00	-	-
13-Jan-25	2329874	WKK004	Kokstad WWW Final Effluent M	Colour	36.3	±6.5%	mg Pt-Co/L
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	Conductivity	61.4	±1.5%	mS/m
13-Jan-25	2329873	WKK004	Kokstad WWW Final Effluent M	E.coli*	93	±21%	MPN/100mL
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	NH3*	18.6	-	mg N/L
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	NO2*	<0.50	-	mg N/L
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	NO3*	19.5	-	mg N/L

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13-Jan-25	2329875	WKK004	Kokstad WWW Final Effluent M	OG*	<1.20	-	mg /L
13-Jan-25	2329872	WKK004	Kokstad WWW Final Effluent M	pH OS*	7.50	-	-
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	SRP*	915	-	ug P/L
13-Jan-25	2329876	WKK004	Kokstad WWW Final Effluent M	SS	29.0	±8.2%	mg /L
13-Jan-25	2329872	WKK004	Kokstad WWW Final Effluent M	Temperature OS*	19.3	-	°C
15-Jan-25	2331195	RHIM001	River Above Himville WWW	COD*	24.6	-	mg O2/L
15-Jan-25	2331192	RHIM001	River Above Himville WWW	Coll Time OS*	08:24	-	-
15-Jan-25	2331195	RHIM001	River Above Himville WWW	Conductivity	5.14	±1.5%	mS/m
15-Jan-25	2331193	RHIM001	River Above Himville WWW	E.coli*	327	±21%	MPN/100mL
15-Jan-25	2331195	RHIM001	River Above Himville WWW	NH3*	1.11	±5.5%	mg N/L
15-Jan-25	2331195	RHIM001	River Above Himville WWW	NO3	0.38	±2.9%	mg N/L
15-Jan-25	2331192	RHIM001	River Above Himville WWW	pH OS*	7.10	-	-
15-Jan-25	2331195	RHIM001	River Above Himville WWW	SRP*	9.35	±7.7%	ug P/L
15-Jan-25	2331194	RHIM001	River Above Himville WWW	SS	25.2	±3.7%	mg /L
15-Jan-25	2331192	RHIM001	River Above Himville WWW	Temperature OS*	20.4	-	°C
15-Jan-25	2331196	RHIM002	River Below Himville WWW	Cl2 (F) OS*	<0.05	-	mg Cl2/L
15-Jan-25	2331196	RHIM002	River Below Himville WWW	Cl2 (T) OS*	0.32	-	mg Cl2/L
15-Jan-25	2331199	RHIM002	River Below Himville WWW	COD*	126	-	mg O2/L
15-Jan-25	2331196	RHIM002	River Below Himville WWW	Coll Time OS*	07:57	-	-
15-Jan-25	2331199	RHIM002	River Below Himville WWW	Conductivity	36.9	±1.5%	mS/m
15-Jan-25	2331197	RHIM002	River Below Himville WWW	E.coli*	>24196	±21%	MPN/100mL
15-Jan-25	2331199	RHIM002	River Below Himville WWW	NH3*	14.4	-	mg N/L
15-Jan-25	2331199	RHIM002	River Below Himville WWW	NO3	<0.10	±2.9%	mg N/L
15-Jan-25	2331196	RHIM002	River Below Himville WWW	pH OS*	7.10	-	-
15-Jan-25	2331199	RHIM002	River Below Himville WWW	SRP*	935	-	ug P/L
15-Jan-25	2331198	RHIM002	River Below Himville WWW	SS	51.2	±3.7%	mg /L
15-Jan-25	2331196	RHIM002	River Below Himville WWW	Temperature OS*	19.2	-	°C

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15-Jan-25	2331318	WHIM002	Himville WWW Reactor 1	% VSS*	58.5	-	%
15-Jan-25	2331317	WHIM002	Himville WWW Reactor 1	Coll Time OS*	07:25	-	-
15-Jan-25	2331318	WHIM002	Himville WWW Reactor 1	MLSS	2373	±8.2%	mg /L
15-Jan-25	2331320	WHIM003	Himville WWW Reactor 2	% VSS*	58.7	-	%
15-Jan-25	2331319	WHIM003	Himville WWW Reactor 2	Coll Time OS*	07:30	-	-
15-Jan-25	2331320	WHIM003	Himville WWW Reactor 2	MLSS	693	±8.2%	mg /L
20-Jan-25	2333318	RKOK001	River above Kokstad	COD*	<20.0	-	mg O2/L
20-Jan-25	2333316	RKOK001	River above Kokstad	Colour	15.7	±6.5%	mg Pt-Co/L
20-Jan-25	2333318	RKOK001	River above Kokstad	Conductivity	15.6	±1.5%	mS/m
20-Jan-25	2333315	RKOK001	River above Kokstad	E.coli*	24196	±21%	MPN/100mL
20-Jan-25	2333318	RKOK001	River above Kokstad	NH3*	0.24	±5.5%	mg N/L
20-Jan-25	2333318	RKOK001	River above Kokstad	NO2	<0.10	±2.4%	mg N/L
20-Jan-25	2333318	RKOK001	River above Kokstad	NO3	0.40	±2.9%	mg N/L
20-Jan-25	2333317	RKOK001	River above Kokstad	OG*	<1.20	-	mg /L
20-Jan-25	2333318	RKOK001	River above Kokstad	SRP*	46.1	±7.7%	ug P/L
20-Jan-25	2333316	RKOK001	River above Kokstad	SS	26.4	±3.7%	mg /L
20-Jan-25	2333323	RKOK002	River below Kokstad	COD*	<20.0	-	mg O2/L
20-Jan-25	2333321	RKOK002	River below Kokstad	Colour	17.6	±6.5%	mg Pt-Co/L
20-Jan-25	2333323	RKOK002	River below Kokstad	Conductivity	16.4	±1.5%	mS/m
20-Jan-25	2333320	RKOK002	River below Kokstad	E.coli*	17329	±21%	MPN/100mL
20-Jan-25	2333323	RKOK002	River below Kokstad	NH3*	0.48	±5.5%	mg N/L
20-Jan-25	2333323	RKOK002	River below Kokstad	NO2	<0.10	±2.4%	mg N/L
20-Jan-25	2333323	RKOK002	River below Kokstad	NO3	0.49	±2.9%	mg N/L
20-Jan-25	2333322	RKOK002	River below Kokstad	OG*	<1.20	-	mg /L
20-Jan-25	2333323	RKOK002	River below Kokstad	SRP*	188	±7.7%	ug P/L
20-Jan-25	2333321	RKOK002	River below Kokstad	SS	19.2	±3.7%	mg /L
20-Jan-25	2333487	WFR001	Franklin WWW Influent	COD*	694	-	mg O2/L
20-Jan-25	2333487	WFR001	Franklin WWW Influent	Conductivity	129	±1.5%	mS/m
20-Jan-25	2333487	WFR001	Franklin WWW Influent	NH3*	57.9	-	mg N/L

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20-Jan-25	2333487	WFR001	Franklin WWW Influent	NO3*	<0.50	-	mg N/L
20-Jan-25	2333487	WFR001	Franklin WWW Influent	SRP*	8878	-	ug P/L
20-Jan-25	2333487	WFR001	Franklin WWW Influent	SS	263	±8.2%	mg /L
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	COD*	99.6	-	mg O2/L
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	Conductivity	112	±1.5%	mS/m
20-Jan-25	2333489	WFR004	Franklin WWW Final Effluent	E.coli*	1669	±21%	MPN/100mL
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	NH3*	10.4	-	mg N/L
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	NO3*	<0.50	-	mg N/L
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	SRP*	2732	-	ug P/L
20-Jan-25	2333490	WFR004	Franklin WWW Final Effluent	SS	17.0	±8.2%	mg /L
27-Jan-25	2336862	WKK001	KoKstad WWW Influent	COD*	1312	-	mg O2/L
27-Jan-25	2336861	WKK001	KoKstad WWW Influent	Coll Time OS*	07:11	-	-
27-Jan-25	2336862	WKK001	KoKstad WWW Influent	Conductivity	144	±1.5%	mS/m
27-Jan-25	2336861	WKK001	KoKstad WWW Influent	pH OS*	7.80	-	-
27-Jan-25	2336861	WKK001	KoKstad WWW Influent	Temperature OS*	24.2	-	°C
27-Jan-25	2336863	WKK004	Kokstad WWW Final Effluent M	Cl2 (F) OS*	0.05	-	mg Cl2/L
27-Jan-25	2336863	WKK004	Kokstad WWW Final Effluent M	Cl2 (T) OS*	0.09	-	mg Cl2/L
27-Jan-25	2336867	WKK004	Kokstad WWW Final Effluent M	COD*	63.0	-	mg O2/L
27-Jan-25	2336863	WKK004	Kokstad WWW Final Effluent M	Coll Time OS*	07:20	-	-
27-Jan-25	2336867	WKK004	Kokstad WWW Final Effluent M	Conductivity	62.5	±1.5%	mS/m
27-Jan-25	2336863	WKK004	Kokstad WWW Final Effluent M	pH OS*	7.60	-	-
27-Jan-25	2336863	WKK004	Kokstad WWW Final Effluent M	Temperature OS*	21.4	-	°C

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