2024 SCHEDULE 22 SUMMARY REPORT

COLGAN DRINKING WATER SYSTEM

For the period of
January 1st, 2024 to December 31st, 2024

Prepared for the Corporation of the Township of Adjala-Tosorontio by the Ontario Clean Water Agency

Township of Adjala-Tosorontio

OCWA
ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

This report was prepared in accordance with the requirements of *O.Reg 170/03, Schedule 22, Summary Reports for Municipalities* for the following system and reporting period:

Drinking-Water System Number:	220009933
Drinking-Water System Name:	Colgan Drinking Water System
Drinking-Water System Owner:	The Corporation of the Township of Adjala-Tosorontio
Drinking-Water System Category:	Small Municipal Residential • January 1 to April 30, 2024 Large Municipal Residential • May 1, 2024 to present
Period being reported:	January 1, 2024 – December 31, 2024

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on February 11, 2025, for the period covering February 1, 2024 to February 11 2025. At the time of this Schedule 22 Summary report, the Ministry Inspection Report and Inspection Summary Rating Record (IRR) are pending.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

Table 1. Non-Compliances and Corrective Actions noted in the 2023/2024 MECP Inspection Report

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A	N/A	N/A

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as a instances where any requirements of the Act, the regulations, the system approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances will be noted in the MECP Inspection Report and included in Table 1.

Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period

Incident	Duration	Corrective Actions
Occurrence Incident with O.Reg 170/03, Schedule 4 (6-5), Continuous monitoring and alarming requirements. • On April 27, 2024 at 0850 hrs to May 9, 2024 at 1130 hrs, the Bell phone	12 days, 3hours and 40 minutes	• Until alarming could be restored, upon approval from the MECP-OCWA staff reviewed Colgan 3 (standpipe) data remotely at the beginning and end of each shift and logged all onsite (72 hour

line for Colgan 3 was out of service- no alarms could be generated during this timeframe.		checks) and remote checks in the facility logbook. • OCWA confirmed that continuous monitoring data was still recording as required during the timeframe. • On May 9, 2024 at 1130 hrs phone lines communication was restored and the alarms were successfully tested; resolving the issue. • Verbal and written notification of occurrence was provided to the MECP on April 29, 2024. Follow-up resolution email was provided May 9, 2024. • No further actions were required.
Non-Compliance under O.Reg 170/03, Schedule 13-8 Sodium and Schedule 6-1.1(7) frequency of sampling and equipment checks • On January 31, 2025, during data review, it was noted that the 60-month required sodium sample was not taken as required • On October 21, 2024 a treated water sample was taken and analyzed for fluoride, which is typically sampled by the operating authority at the same time as sodium. • Due to a mix-up in sample bottle labeling, sodium was crossed off of the chain of custody and analysis was not performed. • Under O.Reg 170/03, Schedule 13-8 treated water sodium sampling is required every 60 months (plus or minus 90 days). • The last sodium sample was taken October 7, 2019. The samples were required to be taken by January 7, 2025. The most recent sodium sample was taken on February 3,	N/A	• Upon discovery of the missed sample, a sodium sample was immediately taken on February 3, 2025 and sent to SGS laboratories for analysis. • OCWA reviewed the current chain of custodies, sampling calendars and requirements for accuracy. • OCWA reviewed sampling protocols, chain of custodies and requirements with staff and provide training on O.Reg 170/03, Schedule 13-8 (sodium sampling) • Prior to 60-month sampling days, an email regarding the required samples and chain of custodies will be sent to staff and confirmed for accuracy in a timelier manner. • Verbal and written notification was provided to the MECP on January 31 and February 7, 2025 respectively. • No further actions required.

2025, which was 27 days past the required timeframe.		

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Colgan Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 6) summarize the quantities and flowrates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flowrates approved in the system's approval, DWWP or MDWL.

As required by the MDWL, regulatory flow measuring devices are checked/verified and where necessary calibrated. These checks/verifications/calibrations are performed annually by a third party to ensure the flow measuring devices are within acceptable deviation limits.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	097-106 (Issue Number: 5)
Allowable Rated Capacity- Pumphouse No. 2:	1,071 m^3/day
Allowable Flowrate into Treatment System- UV Disinfection- UV Units- Individual Units:	456 L/min (7.6 L/sec)

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows the system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

Table 3. Pumphouse No. 2 Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024

Treated Water Flow - Pumphouse No. 2					
Timeframe	**Average Flow (m^3/day)**	**Percent of Rated Capacity**	**Maximum Flow (m^3/day)**	**Percent of Rated Capacity**	**Total Volume (m^3)**
January	260.82	24.35%	735.35	68.66%	8,085.39
February	309.36	28.89%	916.51	85.58%	8,971.46
March	463.05	43.24%	924.96	86.36%	14,354.43
April	328.87	30.71%	893.84	83.46%	9,866.09
May	251.84	23.51%	940.08	87.78%	7,806.98
June	229.59	21.44%	419.40	39.16%	6,887.81
July	242.53	22.65%	372.93	34.82%	7,518.35
August	312.29	29.16%	735.95	68.72%	9,680.94

Treated Water Flow - Pumphouse No. 2					
Timeframe	**Average Flow (m^3/day)**	**Percent of Rated Capacity**	**Maximum Flow (m^3/day)**	**Percent of Rated Capacity**	**Total Volume (m^3)**
September	420.10	39.23%	620.28	57.92%	11,762.92
October	374.11	34.93%	612.83	57.22%	11,223.14
November	254.38	23.75%	424.77	39.66%	7,631.26
December	307.59	28.72%	492.09	45.95%	9,535.13
2024	**312.19**	**29.15%**	**940.08**	**87.78%**	**113,323.90**

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL (1,071 m^3/day), for the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system.

A summary of flowrates of water that flows into the treatment subsystem(s) is in Table 4, Table 5 and Table 6. Water that flows into the treatment subsystem is the raw water flowrates of each well (CW1, CW2 and CW3) as it flows from the wells into each individual UV disinfection unit. Each well has its own assigned UV disinfection unit.

Table 4. Treated Water Annual and Monthly Average and Maximum Flowrates for 2024- UV Disinfection Unit #1

Treated Water Flowrate – UV Disinfection Unit #1 from CW1		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	6.14	7.48
February	4.95	7.51
March	5.54	7.49
April	5.58	7.79[4A]
May	5.64	7.48
June	5.55	7.29
July	5.62	7.91[4A]
August	5.51	7.69[4A]
September	5.41	7.43
October	4.61	7.11
November	4.97	6.67
December	4.90	6.87
2024	**5.37**	**7.91[4A]**

A review of flow information for the reporting period indicates that the drinking water system operated within the allowable flowrate specified in the MDWL (7.6 L/s) for the maximum flowrate of water into the treatment subsystem for UV disinfection Unit #1 with the exception of:

- [4A]Flowrate exceedances occur during well pump start-ups. For the first 3 minutes of each run, the water flows to waste and does not go through the UV unit. A flow control valve maintains flow at 5-6 L/sec. All average daily flowrates were within the allowable limit.

Table 5. Treated Water Annual and Monthly Average and Maximum Flowrates for 2024- UV Disinfection Unit #2

Treated Water Flowrate – UV Disinfection Unit #2 from CW2		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	4.21	8.39[5A]
February	4.47	7.82[5A]
March	5.77	7.89[5A]
April	5.88	7.92[5A]
May	5.94	9.85[5A]
June	5.93	8.03[5A]
July	6.01	8.20[5A]
August	5.11	7.66[5A]
September	5.95	7.58
October	5.42	7.42
November	5.04	6.77
December	5.03	6.99
2024	**5.40**	**9.85**[5A]

A review of flow information for the reporting period indicates that the drinking water system operated within the allowable flowrate specified in the MDWL (7.6 L/s) for the maximum flowrate of water that flows into the treatment subsystem for UV Disinfection Unit #2, with the exception of:

- [5A]Flowrate exceedances occur during well pump start-up. For the first 3 minutes of each run, the water flows to waste and does not go through the UV unit. A flow control valve maintains flow at 5-6 L/sec. All average daily flowrates were within the allowable limit.

Table 6. Treated Water Annual and Monthly Average and Maximum Flowrates for 2024- UV Disinfection Unit #3

Treated Water Flowrate – UV Disinfection Unit #3 from CW3		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	0.33	7.10
February	0.07	19.31[6A]
March	0.27	6.30
April	0.00	0.00
May	0.00	0.00
June	0.00	0.00

Treated Water Flowrate – UV Disinfection Unit #3 from CW3		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
July	0.42	6.74
August	3.13	8.35[6A]
September	1.30	6.81
October	0.85	6.78
November	0.00	8.33[6A]
December	0.00	6.67
2024	**0.54**	**19.31**[6A]

A review of flow information for the reporting period indicates that the drinking water system operated within the allowable flowrate specified in the MDWL (7.6 L/s) for the maximum flowrate of water that flows into the treatment subsystem for UV Disinfection Unit #3.

- [6A]Flowrate exceedances occur during well pump start-up. For the first 3 minutes of each run, the water flows to waste and does not go through the UV unit. A flow control valve maintains flow at 5-6 L/sec. All average daily flowrates were within the allowable limit.

2.2 Raw Water

Permit to Take Water Number (PTTW):	4716-CMXNKC
Allowable Maximum Raw Water Volume - Well #1: CW1	1,071.36 m^3/day
Allowable Maximum Raw Water Flowrate - Well #1: CW1	744 L/min (12.4 L/sec)
Allowable Maximum Raw Water Volume - Well #2: CW2	1,071.36 m^3/day
Allowable Maximum Raw Water Flowrate - Well #2: CW2	744 L/min (12.4 L/sec)
Allowable Maximum Raw Water Volume - Well #2: CW3	1,071.36 m^3/day
Allowable Maximum Raw Water Flowrate - Well #2: CW3	744 L/min (12.4 L/sec)
Allowable Maximum Raw Water Volume – Combined (CW1, CW2 and CW3)	1,071.36 m^3/day
Allowable Maximum Raw Water Flowrate – Combined (CW1, CW2 and CW3)	744 L/min (12.4 L/sec)
Average Allowable Daily Water Taking- Combined Wellfield- 90-Day Rolling Average (CW1, CW2 and CW3)	800 m^3/day

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit. According to PTTW #4716-CMXNKC Section 3(3), notwithstanding the above listed allowable rates, that Source 1 (CW1), Source 2 (CW2) and Source 3 (CW3) may be pumped simultaneously provided the combined water taking rate from the wellfield does not exceed 744 L/min (12.4 L/sec) and 1,071,360 litres per day (1,071.36 m^3/day) and that the average daily water taking (assessed based on a 90-day rolling average) from the wellfield - Source 1 (CW1), Source 2 (CW2) and Source 3 (CW3) shall not exceed 800,000 L/day (800 m^3/day).

Table 7. Raw Water (Well #1-CW1) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well #1 (CW1)					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume**	**Total Volume (m^3)**
January	163.89	15.30%	454.34	42.41%	5,080.52
February	148.66	13.88%	435.52	40.65%	4,311.25
March	220.53	20.58%	436.22	40.72%	6,836.50
April	150.19	14.02%	423.94	39.57%	4,505.83
May	108.54	10.13%	438.02	40.88%	3,364.86
June	110.49	10.31%	288.25	26.91%	3,314.70
July	118.06	11.02%	303.03	28.28%	3,659.91
August	117.46	10.96%	416.72	38.90%	3,523.73
September	147.33	13.75%	334.24	31.20%	4,125.20
October	173.98	16.24%	390.95	36.49%	5,393.36
November	118.28	11.04%	202.00	18.85%	3,548.29
December	128.02	11.95%	232.41	21.69%	3,968.54
2024	**142.24**	**13.28%**	**454.34**	**42.41%**	**51,632.69**

A review of flow information for the reporting period indicates that Well #1 (CW1) operated within the PTTW's maximum allowable daily raw water volume (1,071.36 m^3/day).

Table 8. Raw Water (Well #1- CW1) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well #1 (CW1)		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	6.14	7.48
February	4.95	7.51
March	5.54	7.49
April	5.58	7.79
May	5.64	7.48
June	5.55	7.29
July	5.62	7.91
August	5.51	7.69
September	5.41	7.43
October	4.61	7.11
November	4.97	10.01
December	4.90	6.87
2024	**5.37**	**10.01**

A review of flow information for the reporting period indicates that Colgan Well 1 operated within the PTTW's maximum allowable raw water flowrate (12.4 L/sec) for Well #1 (CW1).

Table 9. Raw Water (Well #2- CW2) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well #2 (CW2)					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume[7A]**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume[7A]**	**Total Volume (m^3)**
January	94.24	8.80%	460.70	43.00%	2,921.41
February	159.41	14.88%	488.31	45.58%	4,622.84
March	242.51	22.64%	489.79	45.72%	7,517.93
April	178.68	16.68%	469.90	43.86%	5,360.26
May	143.29	13.37%	502.06	46.86%	4,442.12
June	119.10	11.12%	227.49	21.23%	3,573.11
July	124.41	11.61%	273.18	25.50%	3,856.72
August	124.86	11.65%	351.70	32.83%	3,745.91
September	259.81	24.25%	495.60	46.26%	7,274.62
October	186.35	17.39%	426.37	39.80%	5,776.90
November	135.95	12.69%	224.14	20.92%	4,078.51
December	179.25	16.73%	324.80	30.32%	5,556.84
2024	**161.78**	**15.10%**	**502.06**	**46.86%**	**58,727.17**

A review of flow information for the reporting period indicates that Well #2 (CW2) operated within the PTTW's maximum allowable daily raw water volume (1,071.36 m^3/day).

Table 10. Raw Water (Well #2-CW2) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well #2 (CW2)		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	4.21	8.39
February	4.47	7.82
March	5.77	7.89
April	5.88	7.92
May	5.94	9.85
June	5.93	8.03
July	6.01	8.20
August	5.11	7.66
September	5.95	7.58
October	5.42	7.42
November	5.04	6.77

Raw Water Flowrate – Well #2 (CW2)		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
December	5.03	6.99
2024	**5.40**	**9.85**

A review of flow information for the reporting period indicates that Colgan Well 2 operated within the PTTW's maximum allowable raw water flowrate (12.4 L/sec) for Well #2 (CW2).

Table 11. Raw Water (Well #3- CW3) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well #3 (CW3)					
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume[9A]**	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume**	**Total Volume (m^3)**
January	2.69	0.25%	47.26	4.41%	83.46
February	1.29	0.12%	19.30	1.80%	37.37
March	0.00	0.00%	0.00	0.00%	0.00
April	0.00	0.00%	0.00	0.00%	0.00
May	0.00	0.00%	0.00	0.00%	0.00
June	0.00	0.00%	0.00	0.00%	0.00
July	0.06	0.01%	1.44	0.13%	1.72
August	77.78	7.26%	345.91	32.29%	2,411.30
September	12.97	1.21%	167.52	15.64%	363.10
October	6.93	0.65%	93.31	8.71%	207.82
November	0.15	0.01%	1.91	0.18%	4.46
December	0.31	0.03%	2.44	0.23%	9.75
2024	**8.59**	**0.80%**	**345.91**	**32.29%**	**3,118.98**

Note: Well #3 (CW3) was offline for the majority of 2024 due to UV actuator issues.

A review of flow information for the reporting period indicates that Well #3 (CW3) operated within the PTTW's maximum allowable daily raw water volume (1,071.36 m^3/day).

Table 12. Raw Water (Well #3-CW3) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well #3 (CW3)		
Timeframe	**Average Flowrate (L/sec)**	**Maximum Flowrate (L/sec)**
January	0.33	7.10
February	0.07	19.31[12A]
March	0.27	6.30
April	0.00	0.00
May	0.00	0.00
June	0.00	0.00
July	0.42	6.74
August	3.13	8.35
September	1.30	6.81
October	0.85	6.78
November	0.00	8.33
December	0.00	6.67
2024	**0.54**	**19.31[12A]**

Note: Well #3 (CW3) was offline for 2024, due to UV actuator issues

A review of flow information for the reporting period indicates that Colgan Well 3 operated within the PTTW's maximum allowable raw water flowrate (12.4 L/sec) for Well #3 (CW3) with the exception of:

- [12A]February 28, 2024- flowrate exceedances occur during well pump start-up. For the first 3 minutes of each run, the water flows to waste. A flow control valve maintains flow at 5-6 L/sec. The average daily flowrate was within the allowable limit.

Table 13. Combined (CW1, CW2 and CW3) Raw Water Average and Maximum Flow Volume with Comparison to Rated Capacity in 2024

Date	**Average Combined Taking** (m^3/day)	**Percent of Allowable Volume** (1,071.36 m^3/day)	**Maximum Combined Taking** (m^3/day)	**Percent of Allowable Volume** (1,071.36 m^3/day)
January	260.82	24.34%	735.35	68.64%
February	309.36	28.88%	916.51	85.55%
March	463.05	43.22%	924.96	86.34%
April	328.87	30.70%	893.84	83.43%
May	251.84	23.51%	940.08	87.75%
June	229.59	21.43%	419.40	39.15%
July	242.53	22.64%	372.93	34.81%
August	312.29	29.15%	735.95	68.69%
September	420.10	39.21%	620.28	57.90%
October	374.11	34.92%	612.83	57.20%

Date	Average Combined Taking (m^3/day)	Percent of Allowable Volume (1,071.36 m^3/day)	Maximum Combined Taking (m^3/day)	Percent of Allowable Volume (1,071.36 m^3/day)
November	254.38	23.74%	424.77	39.65%
December	307.59	28.71%	492.09	45.93%
2024	**312.19**	**29.14%**	**940.08**	**87.75%**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable maximum raw water combined (CW1, CW2, and CW3) allowable taking volume (1,071.36 m^3/day).

As per PTTW #4716-CMXNKC an average daily water taking is shall be assessed based on a 90-day rolling average from the wellfield - Source 1 (CW1), Source 2 (CW2) and Source 3 (CW3) and the 90-day rolling average shall not exceed 800,000 L/day (800 m3/day). Table 11 provides the average daily water taking as update on a daily basis, where flow data is averaged out each day inclusive of the current date and the 89 days preceding before it.

Table 11. Wellfield Combined (CW1, CW2 and CW3) Average Daily Water Taking- 90-Day Rolling Average for 2024

Date (DD-MM-YYYY)	90-Day Rolling Average (m^3/day)
01/01/2024	204.147
01/02/2024	205.513
01/03/2024	209.215
01/04/2024	213.237
01/05/2024	215.116
01/06/2024	214.819
01/07/2024	214.623
01/08/2024	214.734
01/09/2024	217.676
01/10/2024	225.263
01/11/2024	231.401
01/12/2024	233.745
01/13/2024	234.209
01/14/2024	234.749
01/15/2024	235.501
01/16/2024	236.364
01/17/2024	237.231
01/18/2024	239.553
01/19/2024	243.666
01/20/2024	243.801

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
01/21/2024	244.166
01/22/2024	247.283
01/23/2024	253.004
01/24/2024	252.897
01/25/2024	254.909
01/26/2024	260.485
01/27/2024	260.300
01/28/2024	258.590
01/29/2024	261.523
01/30/2024	264.758
01/31/2024	262.865
02/01/2024	260.979
02/02/2024	259.953
02/03/2024	259.803
02/04/2024	259.940
02/05/2024	263.719
02/06/2024	273.132
02/07/2024	273.384
02/08/2024	272.670
02/09/2024	271.821
02/10/2024	276.547
02/11/2024	281.187
02/12/2024	280.491
02/13/2024	285.930
02/14/2024	293.641
02/15/2024	294.259
02/16/2024	293.107
02/17/2024	297.467
02/18/2024	296.080
02/19/2024	294.423
02/20/2024	299.072
02/21/2024	306.471
02/22/2024	305.540
02/23/2024	300.597
02/24/2024	295.680
02/25/2024	293.113
02/26/2024	297.892
02/27/2024	306.492
02/28/2024	310.290
02/29/2024	309.734

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
03/01/2024	306.775
03/02/2024	302.325
03/03/2024	304.125
03/04/2024	311.929
03/05/2024	310.690
03/06/2024	310.841
03/07/2024	317.990
03/08/2024	317.283
03/09/2024	315.693
03/10/2024	319.841
03/11/2024	326.163
03/12/2024	325.965
03/13/2024	323.420
03/14/2024	323.266
03/15/2024	322.738
03/16/2024	325.646
03/17/2024	326.382
03/18/2024	327.080
03/19/2024	328.548
03/20/2024	332.688
03/21/2024	341.385
03/22/2024	349.224
03/23/2024	350.663
03/24/2024	351.870
03/25/2024	348.440
03/26/2024	346.681
03/27/2024	341.739
03/28/2024	340.296
03/29/2024	340.942
03/30/2024	344.433
03/31/2024	347.941
04/01/2024	350.934
04/02/2024	351.475
04/03/2024	351.223
04/04/2024	352.860
04/05/2024	355.514
04/06/2024	357.690
04/07/2024	360.264
04/08/2024	360.830
04/09/2024	355.923

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
04/10/2024	352.455
04/11/2024	353.283
04/12/2024	362.067
04/13/2024	364.950
04/14/2024	365.634
04/15/2024	367.828
04/16/2024	369.346
04/17/2024	370.013
04/18/2024	368.973
04/19/2024	371.118
04/20/2024	374.166
04/21/2024	374.210
04/22/2024	370.463
04/23/2024	373.686
04/24/2024	373.940
04/25/2024	369.830
04/26/2024	371.285
04/27/2024	372.601
04/28/2024	368.955
04/29/2024	367.198
04/30/2024	368.800
05/01/2024	370.524
05/02/2024	370.669
05/03/2024	372.266
05/04/2024	373.470
05/05/2024	370.059
05/06/2024	362.058
05/07/2024	363.385
05/08/2024	365.759
05/09/2024	367.864
05/10/2024	372.923
05/11/2024	372.953
05/12/2024	377.336
05/13/2024	375.420
05/14/2024	367.695
05/15/2024	368.626
05/16/2024	372.519
05/17/2024	368.420
05/18/2024	370.530
05/19/2024	372.575

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
05/20/2024	368.708
05/21/2024	360.147
05/22/2024	359.641
05/23/2024	361.918
05/24/2024	364.236
05/25/2024	366.341
05/26/2024	361.077
05/27/2024	352.944
05/28/2024	351.300
05/29/2024	351.309
05/30/2024	351.264
05/31/2024	353.573
06/01/2024	348.967
06/02/2024	342.095
06/03/2024	341.670
06/04/2024	338.955
06/05/2024	330.994
06/06/2024	330.871
06/07/2024	333.389
06/08/2024	328.436
06/09/2024	320.375
06/10/2024	320.344
06/11/2024	324.265
06/12/2024	320.617
06/13/2024	318.999
06/14/2024	317.005
06/15/2024	313.900
06/16/2024	311.327
06/17/2024	310.182
06/18/2024	305.384
06/19/2024	297.694
06/20/2024	289.956
06/21/2024	288.111
06/22/2024	284.955
06/23/2024	282.996
06/24/2024	279.812
06/25/2024	279.659
06/26/2024	277.569
06/27/2024	275.424
06/28/2024	273.333

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
06/29/2024	270.808
06/30/2024	267.850
07/01/2024	265.947
07/02/2024	264.673
07/03/2024	263.387
07/04/2024	263.689
07/05/2024	262.932
07/06/2024	261.529
07/07/2024	259.531
07/08/2024	259.662
07/09/2024	258.619
07/10/2024	257.022
07/11/2024	248.922
07/12/2024	246.807
07/13/2024	247.596
07/14/2024	245.515
07/15/2024	245.744
07/16/2024	244.378
07/17/2024	242.240
07/18/2024	242.681
07/19/2024	242.110
07/20/2024	240.683
07/21/2024	241.197
07/22/2024	240.120
07/23/2024	239.368
07/24/2024	239.784
07/25/2024	239.625
07/26/2024	239.586
07/27/2024	239.591
07/28/2024	238.500
07/29/2024	239.141
07/30/2024	241.005
07/31/2024	242.229
08/01/2024	242.977
08/02/2024	243.113
08/03/2024	244.042
08/04/2024	244.010
08/05/2024	244.281
08/06/2024	245.232
08/07/2024	244.322

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
08/08/2024	233.877
08/09/2024	229.433
08/10/2024	225.050
08/11/2024	226.261
08/12/2024	228.799
08/13/2024	225.285
08/14/2024	227.411
08/15/2024	232.028
08/16/2024	238.095
08/17/2024	238.507
08/18/2024	238.653
08/19/2024	238.392
08/20/2024	235.093
08/21/2024	239.810
08/22/2024	243.004
08/23/2024	244.600
08/24/2024	247.477
08/25/2024	249.035
08/26/2024	251.116
08/27/2024	253.895
08/28/2024	257.017
08/29/2024	260.326
08/30/2024	262.648
08/31/2024	262.124
09/01/2024	262.305
09/02/2024	264.100
09/03/2024	267.837
09/04/2024	271.337
09/05/2024	274.417
09/06/2024	276.890
09/07/2024	277.399
09/08/2024	276.121
09/09/2024	274.309
09/10/2024	275.070
09/11/2024	276.902
09/12/2024	279.971
09/13/2024	283.588
09/14/2024	287.053
09/15/2024	288.390
09/16/2024	291.992

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
09/17/2024	295.708
09/18/2024	299.015
09/19/2024	303.605
09/20/2024	308.173
09/21/2024	309.431
09/22/2024	309.631
09/23/2024	312.669
09/24/2024	313.755
09/25/2024	315.081
09/26/2024	316.913
09/27/2024	320.461
09/28/2024	321.802
09/29/2024	322.333
09/30/2024	322.600
10/01/2024	325.162
10/02/2024	324.488
10/03/2024	327.470
10/04/2024	329.135
10/05/2024	328.444
10/06/2024	324.971
10/07/2024	328.870
10/08/2024	330.922
10/09/2024	332.623
10/10/2024	335.391
10/11/2024	337.641
10/12/2024	339.339
10/13/2024	339.167
10/14/2024	340.238
10/15/2024	342.443
10/16/2024	344.160
10/17/2024	344.099
10/18/2024	347.018
10/19/2024	347.504
10/20/2024	349.834
10/21/2024	353.015
10/22/2024	354.215
10/23/2024	358.763
10/24/2024	360.254
10/25/2024	361.968
10/26/2024	364.512

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
10/27/2024	364.087
10/28/2024	366.813
10/29/2024	367.297
10/30/2024	368.105
10/31/2024	370.116
11/01/2024	370.931
11/02/2024	371.700
11/03/2024	371.755
11/04/2024	371.757
11/05/2024	373.724
11/06/2024	376.186
11/07/2024	378.133
11/08/2024	380.562
11/09/2024	378.580
11/10/2024	376.368
11/11/2024	377.898
11/12/2024	374.292
11/13/2024	371.647
11/14/2024	366.554
11/15/2024	366.746
11/16/2024	367.562
11/17/2024	368.869
11/18/2024	371.177
11/19/2024	367.253
11/20/2024	364.382
11/21/2024	362.962
11/22/2024	361.325
11/23/2024	362.495
11/24/2024	359.040
11/25/2024	353.815
11/26/2024	353.074
11/27/2024	349.200
11/28/2024	348.409
11/29/2024	347.687
11/30/2024	348.455
12/01/2024	345.674
12/02/2024	341.773
12/03/2024	337.549
12/04/2024	336.161
12/05/2024	335.520

Date (DD-MM-YYYY)	**90-Day Rolling Average** (m^3/day)
12/06/2024	336.109
12/07/2024	337.156
12/08/2024	336.829
12/09/2024	337.264
12/10/2024	335.080
12/11/2024	332.909
12/12/2024	331.224
12/13/2024	329.062
12/14/2024	327.642
12/15/2024	324.778
12/16/2024	322.979
12/17/2024	320.192
12/18/2024	316.918
12/19/2024	315.736
12/20/2024	316.791
12/21/2024	318.951
12/22/2024	318.107
12/23/2024	317.442
12/24/2024	317.208
12/25/2024	316.188
12/26/2024	313.733
12/27/2024	313.432
12/28/2024	312.315
12/29/2024	312.702
12/30/2024	309.406
12/31/2024	310.183

A review of the above information indicates that at no point in 2024 did the system exceed the PTTW's 90-day average daily water taking limit (800 m^3/day) from the wellfield- Source 1 (CW1), Source 2 (CW2) and Source 3 (CW3).