

2. WATER FLOWS

I. South Peel (Municipal Lake-based Waterworks)

Lakeview WTP and Lorne Park WTP

- a. Total Monthly Volumes**
- b. Average Daily Production**
- c. Maximum Daily Production**
- d. Requirements of ‘Certificates of Approval’**
- e. Compliance Summary of ‘PTTW’ Conditions**

II. North Peel (Municipal Groundwater Waterworks, Town of Caledon)

- a. Total Monthly Volumes**
- b. Average Daily Production**
- c. Maximum Daily Production**
- d. Compliance Summary of ‘PTTW’ Conditions**
- e. Compliance Summary of Rated Capacity to ‘C of A’ Conditions**

Lakeview WTP

a. Total Monthly Volumes

Monthly Raw Water Volumes for 2006 Lakeview WTP

Month	2006 Volumes (ML)
Jan	10,120
Feb	9,557
March	10,693
April	10,200
May	12,198
June	13,664
July	13,734
August	14,329
Sept	11,847
Oct	11,635
Nov	11,001
Dec	10,509
TOTAL	139,494

Permit to take water 6715-678SQX permits the taking of 720 ML/day from Lake Ontario.

Monthly Treated Water Volumes for 2006 Lakeview WTP

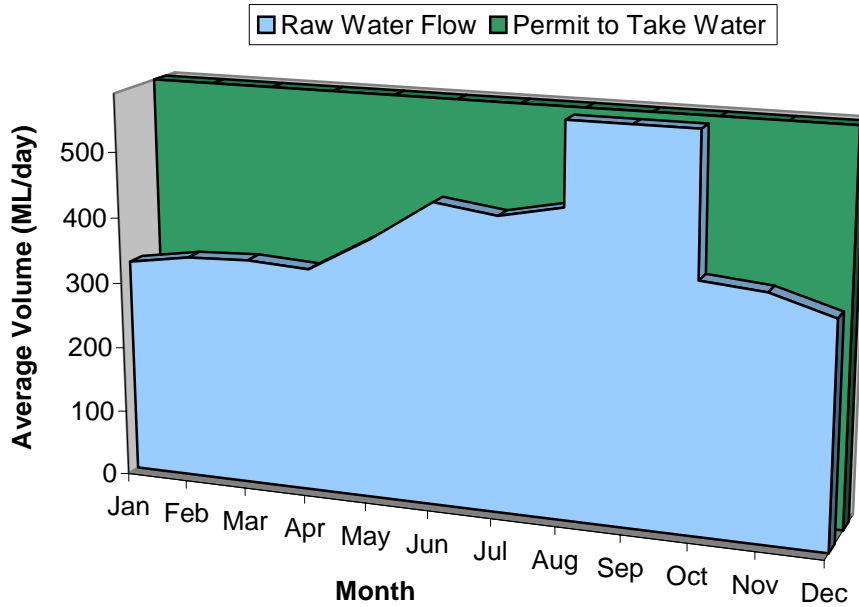
Month	2006 Volumes (ML)
Jan	9,238
Feb	8,631
March	9,880
April	8,992
May	11,671
June	12,700
July	12,709
August	11,922
Sept	10,570
Oct	10,094
Nov	9,370
Dec	8,296
TOTAL	125,108

1 ML = 1,000,000 litres

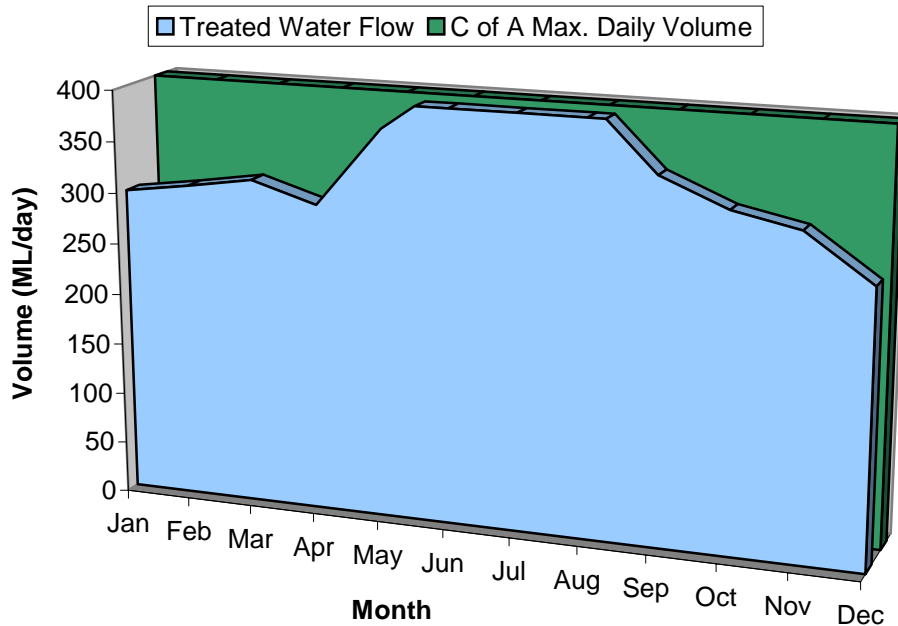
- Certificates of Approval number 6268-67UCQK7 and 3678-6KXXXL allow a net production volume/day of 560 ML/day and a Peak flow rate of 6806 L/s taken as a ten minute running average (588.04 ML/day)
- Total treated water volume includes 136 ML/month supplied to the Lakeview Water Pollution Control Plant
- Total treated water volume does not include treated water used for backwashing

b. Average Daily Production

Average Daily Raw Water Volumes 2006 – Lakeview WTP

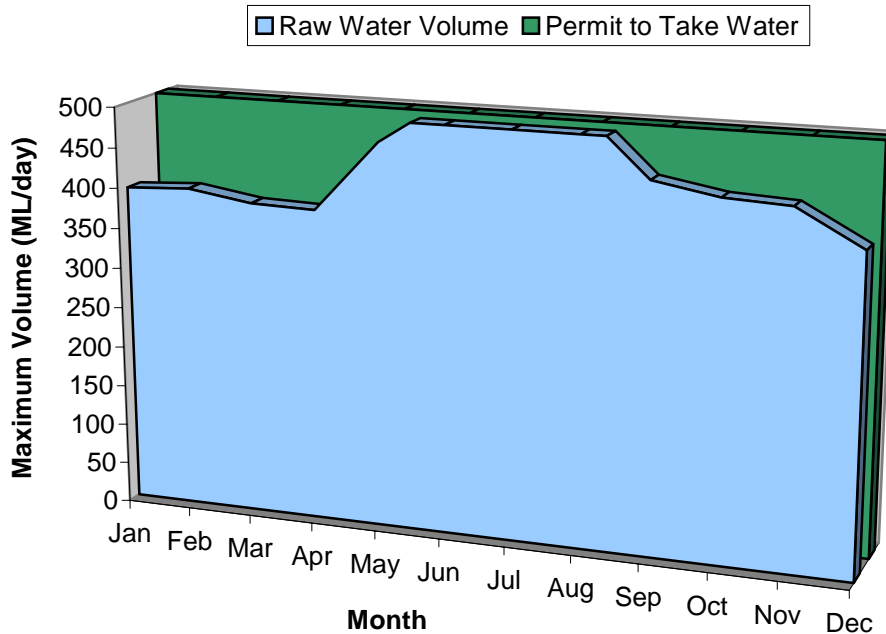


Average Daily Treated Water Volumes 2006 – Lakeview WTP



c. Maximum Daily Production

Maximum Daily Raw Water Volumes for 2006 – Lakeview WTP



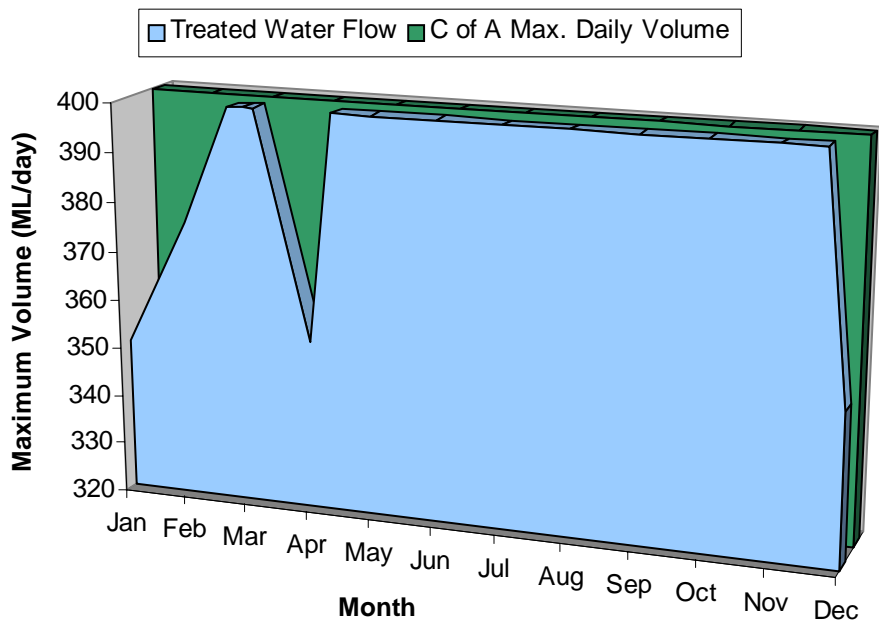
Monthly Daily Raw Water Flow Rates for 2006 – Lakeview WTP

2006 Raw Water Daily Flow Rates (ML/day)				
Month	Average	Max.	Min.	Peak
Jan	298.99	350.50	227.40	475.00
Feb	308.27	376.20	238.50	477.00
March	318.72	408.80	260.90	475.00
April	299.72	354.00	247.60	424.00
May	376.76	472.80	274.90	498.00
June	423.35	536.70	300.10	574.00
July	409.99	507.90	325.40	557.00
Aug	416.86	546.30	306.70	571.00
Sept	352.36	427.60	282.20	532.00
Oct	325.62	436.10	246.60	543.00
Nov	312.34	488.30	202.50	521.00
Dec	267.62	350.90	201.70	461.00
ANNUAL	342.76	546.30	201.70	574.00

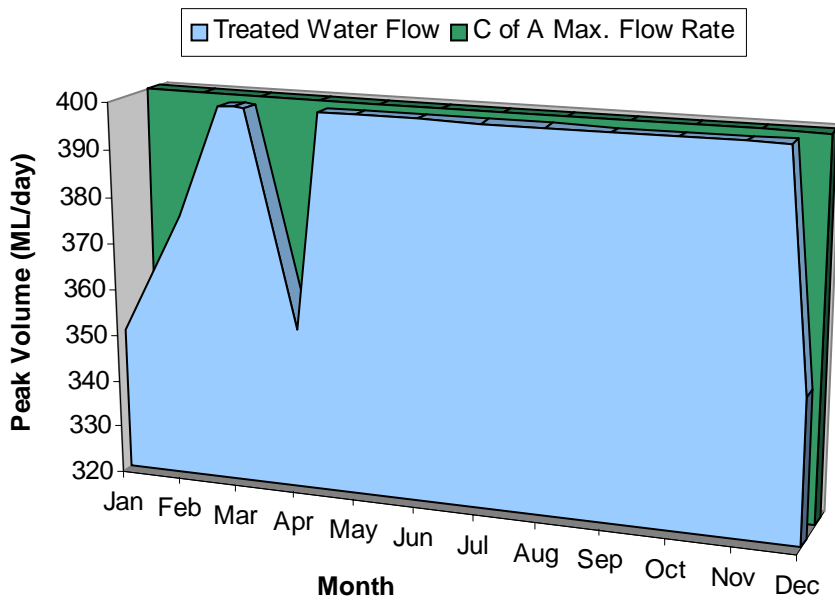
1ML/day = 1,000,000 litres per day

Permit to take water 6715-678SQX permits the taking of 720 ML/day from Lake Ontario.

Maximum Daily Treated Water Volumes for 2006 – Lakeview WTP



Peak Instantaneous Daily Treated Water Volumes for 2006 – Lakeview WTP



Note: Peak Instantaneous Daily Treated Water Volume for each month.

Monthly Daily Treated Water Flow Rates for 2006 – Lakeview WTP

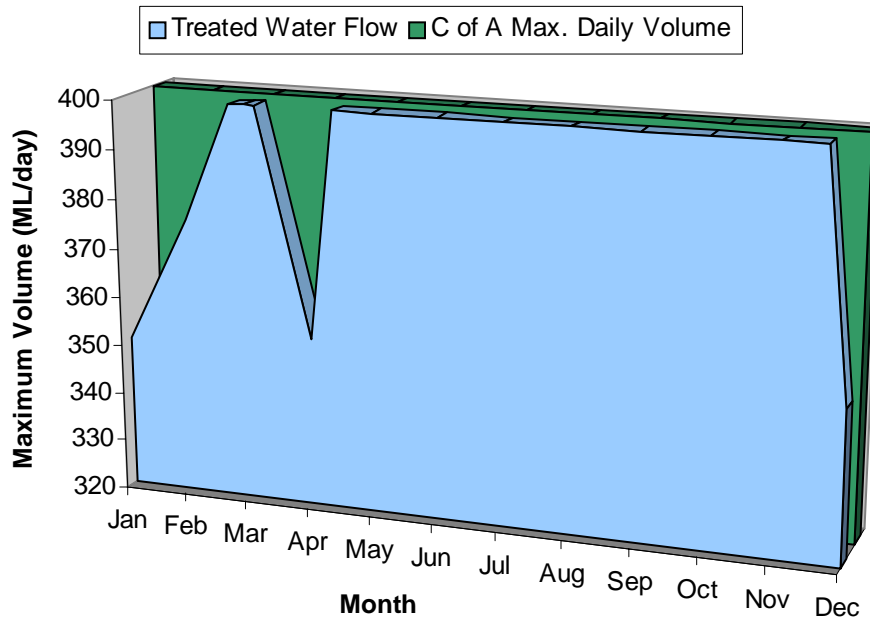
2006 Treated Water Daily Flow Rates (ML/day)				
Month	Average	Max.	Min.	Peak
Jan	298.99	350.50	227.40	452.00
Feb	308.26	376.02	238.50	475.40
March	318.72	408.80	260.90	465.00
April	299.76	354.00	247.60	407.00
May	376.49	472.80	274.90	645.00
June	423.35	536.70	300.10	623.50
July	409.99	507.90	325.40	582.00
Aug	416.86	546.30	306.70	745.05
Sept	352.36	427.60	282.20	643.00
Oct	325.62	436.10	246.60	482.00
Nov	312.33	488.30	202.50	539.00
Dec	267.62	350.90	201.70	507.00
ANNUAL	382.17	546.30	201.70	745.05

1ML/day = 1,000,000 litres per day

Certificates of Approval number 6268-67UCQK7 and 3678-6KXKXL allow a net production volume/day of 560 ML/day and a Peak flow rate of 6806 L/s taken as a ten minute running average (588.04 ML/day)

d. Requirements of ‘Certificates of Approval’

Maximum Daily Treated Water Volumes for 2006 – Lakeview WTP



In accordance with the Certificate of Approval maximum volume shall not exceed 560 ML/day (560,000 m³/day)

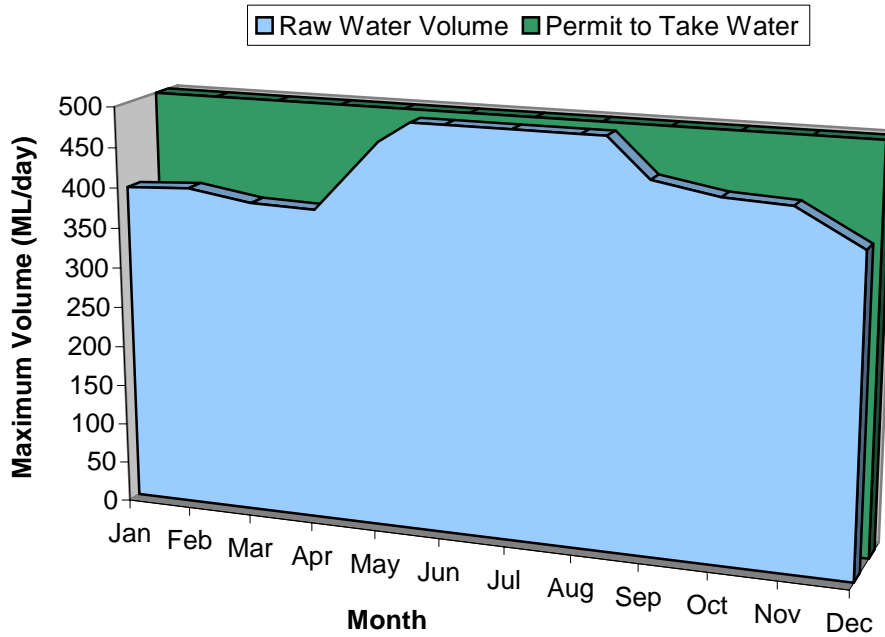
Month	Maximum Daily Treated Water Flows (ML/day)
Jan	350.50
Feb	376.02
March	408.80
April	354.00
May	472.80
June	536.70
July	507.90
Aug	546.30
Sept	427.60
Oct	436.10
Nov	488.30
Dec	350.90

1ML/day = 1,000,000 litres per day

Certificates of Approval number 6268-67UCQK7 and 3678-6KXXXL allow a net production volume/day of 560 ML/day and a Peak flow rate of 6806 L/s taken as a ten minute running average (588.04 ML/day)

e. Compliance Summary of 'PTTW' Conditions

Monthly Daily Raw Water Flow Rates for 2006 – Lakeview WTP



Comparison of monthly raw water flow rates into the Lakeview WTP to the permitted takings as per the PTTW Conditions

Month	Maximum Daily Raw Water Takings (ML/day)
Jan	475
Feb	477
March	475
April	424
May	498
June	574
July	557
August	571
Sept	532
Oct	543
Nov	521
Dec	461

1ML/day = 1,000,000 litres per day

Lorne Park WTP

a. Total Monthly Volumes

Monthly Raw Water Volumes for 2006 Lorne Park WTP

Month	2006 Volumes (ML)
Jan	6,308
Feb	5,403
March	5,698
April	5,777
May	5,876
June	7,024
July	7,185
August	6,963
Sept	6,071
Oct	5,354
Nov	5,301
Dec	5,855
TOTAL	72,817

Permit To Take Water 02-P-3027 permits the taking of 454 ML/day from Lake Ontario

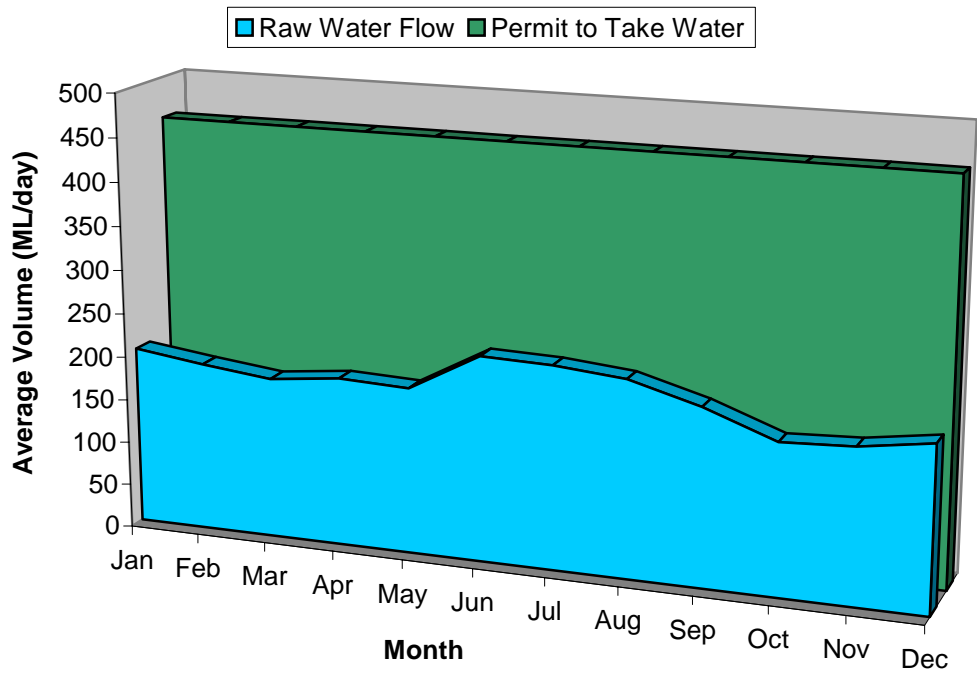
Monthly Treated Water Volumes for 2006 Lorne Park WTP

Month	2006 Volumes (ML)
Jan	5,573
Feb	4,622
March	4,898
April	5,342
May	5,381
June	6,356
July	6,346
August	6,186
Sept	5,358
Oct	4,767
Nov	4,350
Dec	5,571
TOTAL	64,750

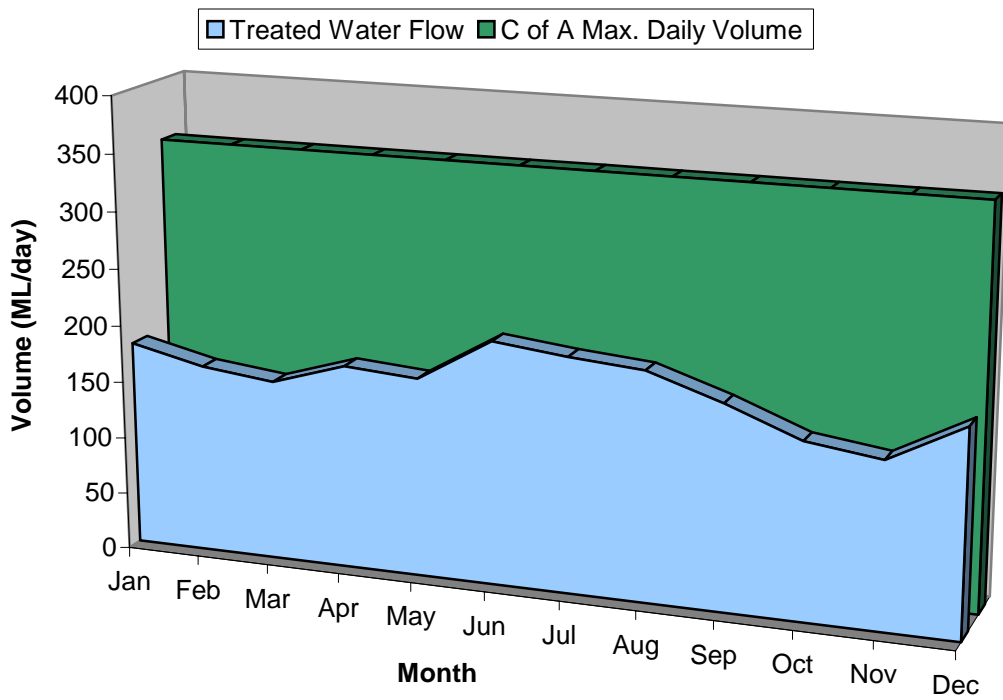
1. Certificate of Approval number 0121-64TKNS allows a maximum rated treatment capacity of 347 ML/day
2. Total treated water volume does not include treated water used for backwashing

b. Average Daily Production

Average Daily Raw Water Volumes 2006 – Lorne Park WTP

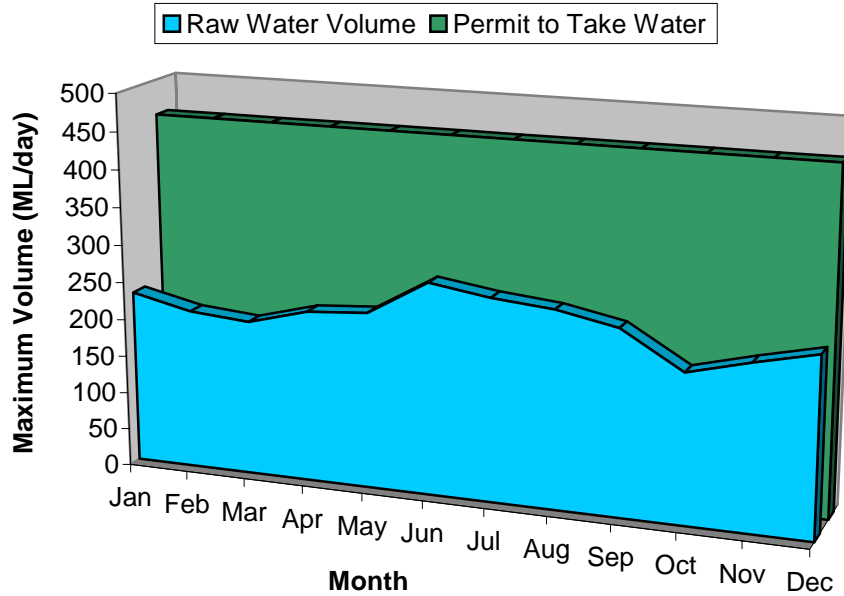


Average Daily Treated Water Volumes 2006 – Lorne Park WTP



c. Maximum Daily Production

Maximum Daily Raw Water Volumes for 2006 – Lorne Park WTP

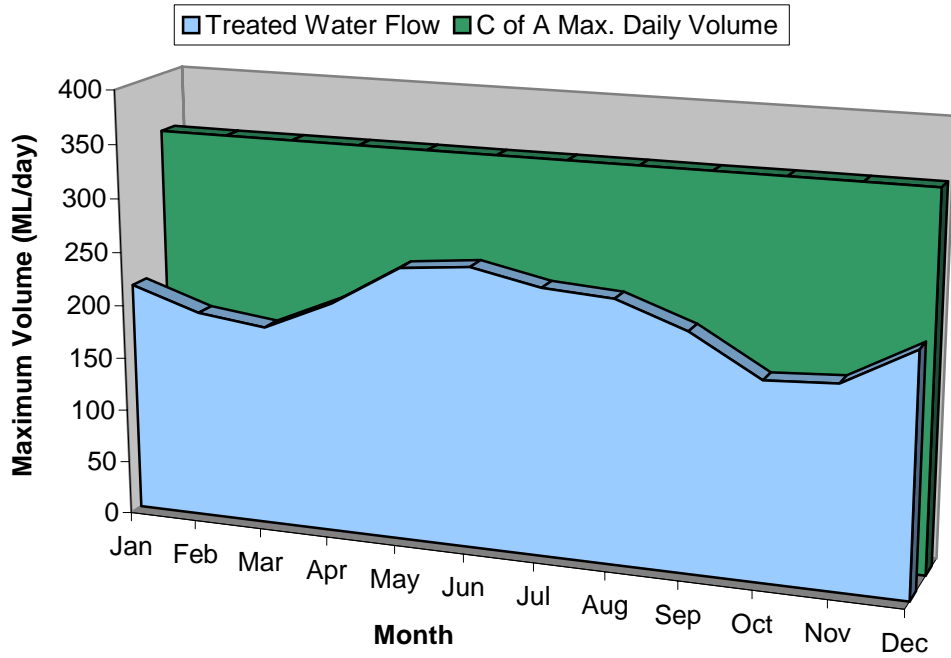


Monthly Daily Raw Water Flow Rates for 2006 – Lorne Park WTP

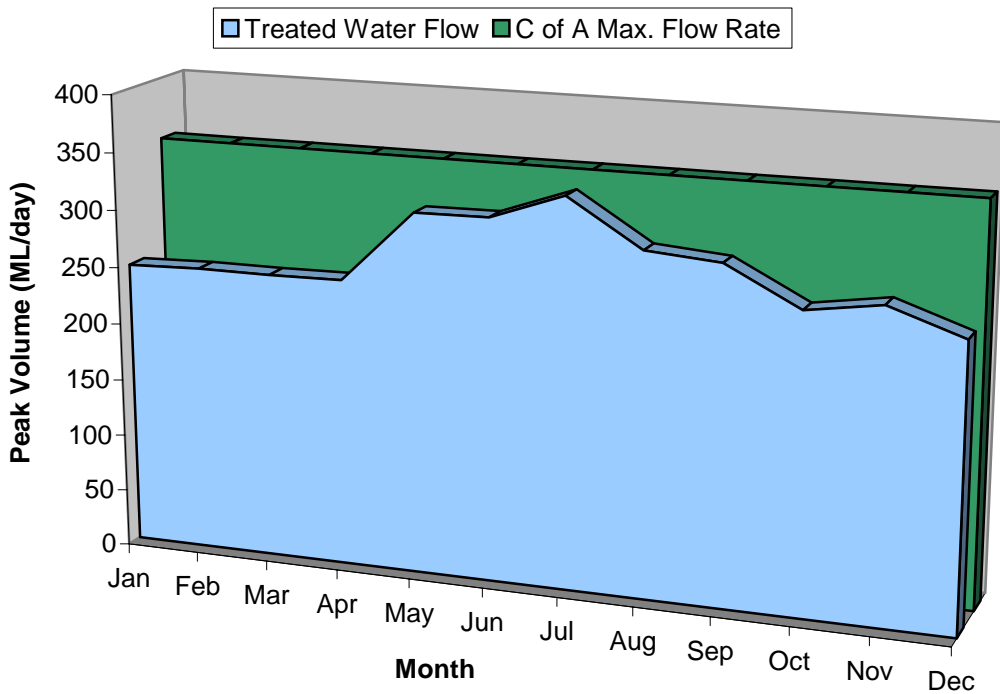
2006 Raw Water Daily Flow Rates (ML/day)				
Month	Avg	Max.	Min.	Peak
Jan	203.50	230.40	171.70	288.70
Feb	192.98	212.60	174.80	286.60
March	183.81	206.30	150.10	310.90
April	192.56	227.60	166.20	320.72
May	189.55	233.70	144.20	353.80
June	234.13	281.10	177.70	352.27
July	231.78	269.10	199.50	376.30
Aug	224.61	261.70	191.00	294.35
Sept	202.36	246.10	158.80	294.42
Oct	172.72	198.20	146.60	323.57
Nov	176.72	219.30	153.00	304.65
Dec	188.86	237.90	150.60	298.51
ANNUAL	199.45	281.10	144.20	376.30

1ML/day = 1,000,000 litres per day
 Permit To Take Water 02-P-3027 permits the taking of 454 ML/day from Lake Ontario

Maximum Daily Treated Water Volumes for 2006 – Lorne Park WTP



Peak Instantaneous Daily Treated Water Volumes for 2006 – Lorne Park WTP



Monthly Daily Treated Water Flow Rates for 2006 – Lorne Park WTP

2006 Treated Water Daily Flow Rates (ML/day)				
Month	Avg	Max.	Min.	Peak
Jan	179.77	214.80	137.90	293.00
Feb	165.07	194.20	145.20	270.00
March	157.99	186.40	131.40	248.00
April	178.07	214.80	152.30	243.38
May	173.59	253.40	118.30	273.79
June	211.87	259.90	162.70	293.00
July	204.74	246.70	161.10	341.00
Aug	199.59	242.80	157.20	293.00
Sept	178.59	219.90	128.40	293.00
Oct	153.77	182.90	114.90	225.00
Nov	144.99	186.80	0.1502	258.00
Dec	179.71	222.70	140.70	293.00
ANNUAL	177.40	259.90	0.1502	341.00

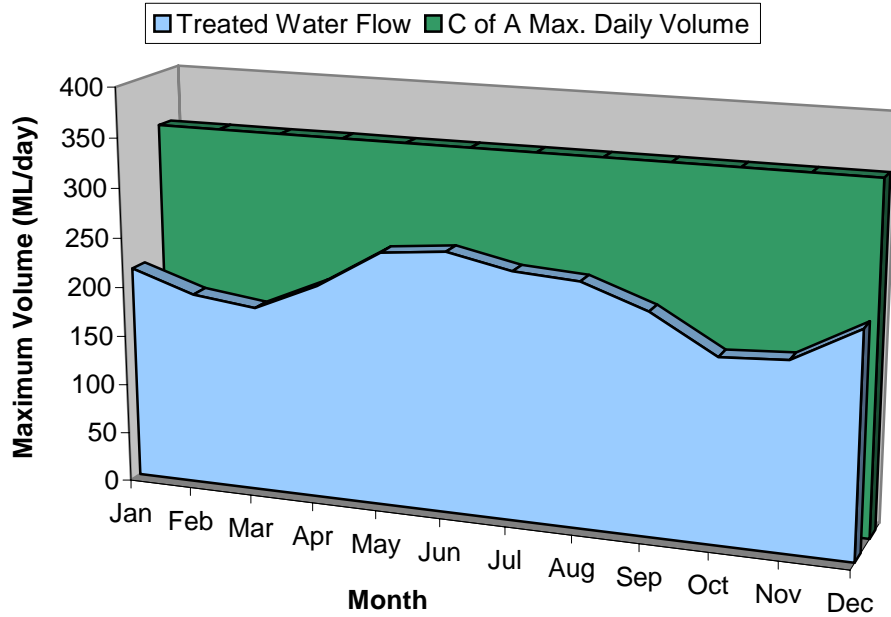
1ML/day = 1,000,000 litres per day

Certificate of Approval number 0175-543U3S allows a maximum rated treatment capacity of 347 ML/day

Total Treated Water Volume does not include treated water used for backwashing.

d. Requirements of ‘Certificates of Approval’

Maximum Daily Treated Water Volume for 2006 - Lorne Park WTP (ML/day)



In accordance with the Certificate of Approval states the maximum volume shall not exceed 347 ML/day (347,000m³/day)

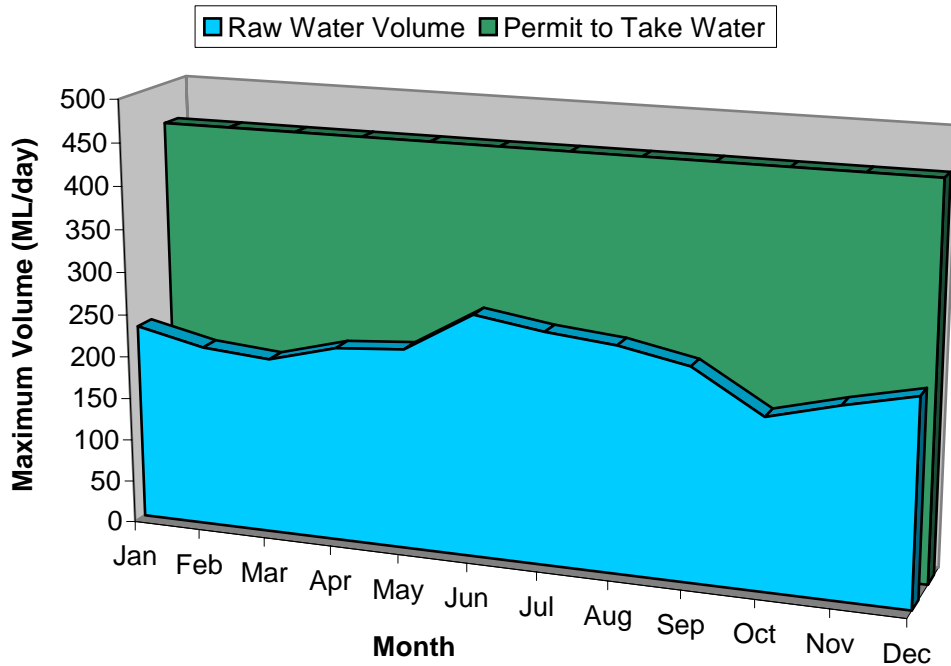
Month	Maximum Daily Treated Water Volume (ML/day)
Jan	214.80
Feb	194.20
March	186.40
April	214.80
May	253.40
June	259.90
July	246.70
Aug	242.80
Sept	219.90
Oct	182.90
Nov	186.80
Dec	222.70

1ML/day = 1,000,000 litres per day

Certificate of Approval number 0175-543U3S allows a maximum rated treatment capacity of 347 ML/day

e. Compliance Summary of 'PTTW' Conditions

Monthly Daily Raw Water Flow Rates for 2006 – Lorne Park WTP



Comparison of monthly raw water flow rates into the Lorne Park WTP to the allowed takings as per the PTTW Conditions

Month	Maximum Daily Raw Water Volume Takings (ML/day)
Jan	230.40
Feb	212.60
March	206.30
April	227.60
May	233.70
June	281.10
July	269.10
August	261.70
Sept	246.10
Oct	198.20
Nov	219.30
Dec	237.90

1ML/day = 1,000,000 litres per day
 Permit To Take Water 02-P-3027 permits the taking of 454 ML/day from Lake Ontario