

Committee Members

Councillor G. Beach,
Chair
Councillor H. Noble
Councillor L. Severson
Mayor D.L. Henderson,
Ex-Officio

Areas of Responsibility

Operations
Community Services
Fire
Museum
Library Board
Cemetery Board
St. Lawrence Lodge
Mgmt. Board
L,L&G Health Unit

CRCA
Airport Board
Arena Advisory Board
Visual/Performing Arts
Committee
PLMG
BMAAC
Brockville Municipal
Non-Profit Housing
Committee

AGENDA

Page

STAFF REPORTS

- | | |
|-------|---|
| 3-16 | 1. 2010-003-01
Water & Wastewater Treatment
Quarterly Report
(Oct. – Dec. 2009) |
| 17-20 | 2. 2010-004-01
Request For Stop Sign At Development Drive And Development
Drive |
| 21-24 | 3. 2010-005-01
Request For No Parking Zone
On George Street At The Marrianna Apartments |
| 25-27 | 4. 2010-007-01
Night Closure Of Blockhouse Island Parkway |

NEW BUSINESS - MEMBERS OF COUNCIL

- | | |
|-------|--|
| 29-31 | 1. Correspondence from Michael Toms
Public Safety - Blockhouse Island |
| 33 | 2. Update of LAS Town Hall Session
Councillor Noble |

January 8, 2010

REPORT TO OPERATIONS COMMITTEE – JANUARY 20, 2010

2010-003-01

**WATER & WASTEWATER TREATMENT
QUARTERLY REPORT
(OCT. – DEC. 2009)**

**CONAL COSGROVE, P. ENG.
DIRECTOR OF OPERATIONS
MELODIE HOBBS, C.E.T.
W & WW TREATMENT SUPERVISOR**

RECOMMENDED

THAT Report 2010-003-01 Water & Wastewater Treatment Quarterly Report (Oct. – Dec. 2009) be received for information purposes.

PURPOSE

This report covers the months of October, November and December 2009. The intent of the report is to keep the Committee, Council, and the public current with performance and major operational aspects of both the Water Treatment Plant/Trunk Distribution System and the Water Pollution Control Centre (wastewater treatment system), including any notable highlights, MOE Inspections and adverse conditions.

BACKGROUND

This report is submitted Quarterly, and this report represents the fourth quarter of 2009.

ANALYSIS/OPTIONS

A. WATER TREATMENT PLANT & TRUNK WATER DISTRIBUTION SYSTEM

The City continues to be in compliance with the Water Treatment Plant's Certificate of Approval (C of A), in addition to the Ontario Safe Drinking Water Act and Regulations. Please refer to Attachment A – Brockville Drinking Water System Performance Assessment Report to review the treatment and bacteriological sampling results.

Adverse Water Quality Incidents: No adverse water quality incidents to report for the 4th Quarter.

Items of Note:**1. Main Plant**

- Fluoride analyzer, treated water pH probe, UV reactor 201 repaired/replaced.
- High Lift PLC expansion completed by ISI Controls. PLC will be energized and programmed once new High Lift pump isolation valves and actuators are installed.
- Main Plant Pump #1 and #2 check and isolation valves replaced. Work completed by WT/WD Staff. Electrical connection and SCADA programming of actuator will be scheduled once Council approves 2010 Capital Budget.
- Energy efficient induction lighting installed on the exterior of the main plant and in main office areas under 2009 Capital Budget.
- New 3" sump pump installed in filter building.
- Problem with standby portable generator – no power to 120/240 volt panel. A new transformer ordered - replacement is scheduled for the first week of January 2010.
- All 2009 Capital projects completed.

2. Township of Elizabethtown-Kitley Distribution System:

- Repairs to flush cabinets were completed.

3. Trunk Water Distribution System:

- Water Tower: The water tower was drained, cleaned, inspected and disinfected – work completed by contractor. Twenty-four hour coverage was required during the isolation. The water tower cleaning report indicates interior painting will be required. Exterior touch-up painting was completed in November.
- First Avenue Booster Station: East pump and motor removed from service and mechanical seal replaced due to failure of the old seal. The station security alarming was connected to the PLC to allow alarms to communicate to the SCADA at the WTP.
- Ferguson Drive: WD/Engineering reviewed the new Pressure Relief Valve (PRV) operation to ensure no adverse effects on water quality in the Ferguson Drive area , Zone 2 Pumps and overhead tank which would result from water re-circulating from Zone 2 to Zone 1.
- Lead Sampling: Lead sampling was completed and all reports submitted to the MOE. Review of the sample results indicate that Brockville and Elizabethtown-Kitley qualify for reduced sampling and no corrosion controls measures are required (see attached memos from J. Buckland).

- Parkedale Reservoir: VFD installation for Zone 2 Pump 1 completed. PLC programmed and the VFD is in service. With the VFD in operation the motor operates on average at 75% of total load, therefore it is estimated the power consumption at this station should be reduced by 15% to 25% per month or approximately \$750.00 - \$1,000.00 in energy savings per month. WT Staff also adjusted the settings on the actuator for Zone 2 Pump 2 to alleviate water hammer in the Zone 2 system.
4. Low Lift Pump Station:
- Energy efficient induction lighting installed on the exterior of the Low Lift.
 - New MCC unit installed and change over completed.
 - Zebra control system drained and isolated; ready for spring season.
5. Drinking Water Quality Management System:
- Initial DWQMS internal audit was conducted. Areas for improvement have been identified and implementation will be conducted throughout 2010.

B. WASTEWATER TREATMENT PLANT

Please refer to Attachment B – Brockville WPCC Sewage Plant Performance Assessment Report for all Operational Data for the Quarter. In regards to compliance of carbonaceous 5-day Biochemical Oxygen Demand (CBOD₅), as of the end of December the 12 month revolving average effluent characteristics (concentration and loading) for CBOD₅ are 48.12 mg/L and 869.30 kg/day respectively and remain out of compliance with the Certificate of Approval.

Items of Note:

1. Main Pumping Station:
- HVAC: Mechanical contractor completed a ventilation assessment and are making the necessary repairs, including a new explosion proof heater and a new permanent platform for servicing the equipment in the screen room.
 - Pump #2: The new pump, motor and VFD have been commissioned.
 - Bar Screen: The bar screen rake arm broke and required emergency repair. A local contractor assisted WPCC staff in the repairs, and the screen was fully functional within two days.
 - Bypasses: No bypasses this quarter.
2. Pumping Stations:
- Thomas Street Pumping Station: During the month of October there were at least four blocked mains in this area due to a severely deteriorated sewer on Thomas Street. The City's Engineering Department arranged for the relining of a portion of the sewer.

- West End Pumping Station: During exercising of the diesel generator there was a problem with the switching mechanism. Operations Staff have recommended we install an emergency transfer switch in order to operate the station with the portable standby generator. This will be addressed through the pumping station upgrades.
 - Communication: All pumping stations have been upgraded from BKCS to LDDS circuits except for Elizabeth Street Pumping Station – 2010.
3. Centrifuges: The rebuilt bowl and scroll from Centrifuge #301 was returned and has been reinstalled in Centrifuge #302.
 4. Land Application Program: The 2009 Organic Soil Conditioning Report has been submitted to the MOE. A copy was also sent to the landowners and hauling contractor.
 5. Disinfection: A new degassing system has been installed on Sodium Hypochlorite Pump #2.
 6. TSSA Digester Gas Audit: On November 10th, 2009 TSSA performed an audit on the WPCC digester gas system. Staff are working on 6 Orders, and are preparing a report due back to TSSA by January 28, 2010.
 7. Power Outages: There were multiple power outages at the WPCC Administration Building, Oxford Avenue Pumping Station and the WPCC to facilitate the changeover of new Hydro and Bell service to the plant.


POLICY IMPLICATIONS


No policy implications at this time.


FINANCIAL CONSIDERATIONS

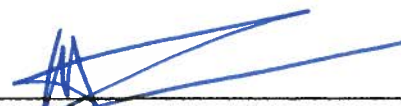
No financial considerations at this time.

CONCLUSION


C.J. Cosgrove, P. Eng.
Director of Operations


D. Cyr
Director of Finance


M. J. Hobbs, C.E.T.
Supervisor, W & WW Treatment


B. Casselman
City Manager

ATTACHMENT A

BROCKVILLE DRINKING WATER SYSTEM PERFORMANCE ASSESSMENT REPORT

CITY OF BROCKVILLE				ELIZABETHTOWN-KITLEY										BACTERIOLOGICAL SAMPLING									
Month	Total Volume Treated (ML)	Avg. Daily Flow (ML/d)	Avg. F12 Residual (mg/L)	WDS Avg. FCR (mg/L)	Total Flow (ML)	Avg. Daily Flow (ML/d)	WDS Avg. FCR (mg/L)	BROCKVILLE WDS			ELZK WDS												
								EC	TC	HPC	EC	TC	HPC										
2009 OCT	340.06	10.97	0.44	1.06	3.51	0.11	1.01	43 out of 43 Safe	43	43 out of 43 Safe	27 out of 27 Safe	12	12 out of 12 Safe	8 out of 8 Safe									
NOV	325.61	10.85	0.50	0.95	7.39	0.25	0.84	44 out of 44 Safe	44	44 out of 44 Safe	28 out of 28 Safe	12	12 out of 12 Safe	8 out of 8 Safe									
DEC	322.04	10.39	0.47	1.00	8.52	0.28	0.88	54 out of 54 Safe	54	54 out of 54 Safe	35 out of 35 Safe	15	15 out of 15 Safe	10 out of 10 Safe									

FCR - Free Chlorine Residual
WDS - Water Distribution System
EZK - Township of Elizabethtown-Kitley
EC - E. coli
TC - Total Coliform
HPC - Heterotrophic Plate Count
ML - Million Litres

ATTACHMENT B

BROCKVILLE WATER POLLUTION CONTROL CENTRE SEWAGE PLANT PERFORMANCE ASSESSMENT REPORT

MUNICIPALITY:	BROCKVILLE	YEAR:	2009
PROJECT:	BROCKVILLE	WATER COURSE:	ST. LAWRENCE RIVER
PROJECT NUM.:		DESIGN CAPACITY:	21,800 X 1000 m3/d
WORKS NUM.:	120000122	PEAK DESIGN CAPACITY:	54,500 X 1000 m3/d

DESCRIPTION: A PRIMARY TREATMENT FACILITY, COMPLETE WITH TWO PRIMARY ANAEROBIC DIGESTERS
TWO CENTRIFUGES FOR SLUDGE THICKENING AND UTILIZING POLYMER FOR PHOSPHORUS REMOVAL
AND SODIUM HYPOCHLORITE FOR EFFLUENT DISINFECTION.

MONTH	FLOWS			BOD/CBOD			SUSPENDED SOLIDS			PHOSPHORUS			BACTI RESULTS			
	TOTAL FLOW 1000M3	AVG DAY FLOW 1000M3	MAX DAY FLOW 1000M3	AVG RAW BOD (mg/L)	CBOD (mg/L)	TOTAL LOADING EFF. BOD (kg/day)	PERCENT REMOVAL	AVG RAW SS (mg/L)	SS LOADING EFF. SS (kg/day)	TOTAL LOADING EFF. PHOS. (kg/day)	PERCENT REMOVAL	AVG RAW PHOS. (mg/L)	PHOS. LOADING EFF. PHOS. (mg/L)	FECAL COLIFORM (Organisms per 100 ml)	NUMBER OF SAMPLES	
DEC 09	628.37	20,270	32,364	107.29	43.43	880.33	59.5	129.75	24.50	496.62	81.1	2.56	0.61	12.36	76.2	N/R*
NOV 09	498.39	16,613	19,635	136.18	52.91	878.99	61.1	141.50	31.75	527.46	77.6	3.10	0.73	12.13	76.5	N/R*
OCT 09	474.80	15,316	22,831	148.38	54.38	832.88	63.4	151.13	40.00	612.64	73.5	3.15	0.96	14.70	69.5	N/R*
SEP 09	396.06	13,202	15,880	141.20	52.20	689.14	63.0	165.25	36.88	486.89	77.7	3.24	0.88	11.62	72.8	N/R*
AUG 09	478.59	15,438	18,059	139.40	52.90	816.67	62.1	153.40	37.60	580.47	75.5	2.84	0.83	12.81	70.8	N/R*
JUL 09	512.78	16,541	23,097	137.80	50.17	829.86	63.6	143.50	34.56	571.66	75.9	2.67	0.76	12.57	71.5	120
JUN 09	493.00	16,433	19,174	102.90	42.09	691.66	59.1	144.00	31.42	516.32	78.2	2.83	0.79	12.98	72.1	1,720
MAY 09	619.54	19,985	24,070	87.50	43.00	859.36	50.9	136.55	29.36	586.76	78.5	2.55	0.77	15.39	69.8	900
APR 09	738.70	24,623	39,053	61.62	39.08	962.27	36.6	106.77	25.62	630.84	76.0	2.03	0.64	15.76	68.5	2,300
MAR 09	649.81	20,962	28,317	76.55	45.25	948.53	40.9	101.23	25.93	543.54	74.4	2.18	0.63	13.21	71.1	1,000
FEB 09	614.14	21,934	35,817	77.58	48.73	1068.84	37.2	98.50	32.27	707.81	67.2	2.31	0.91	19.96	60.6	940
JAN 09	566.48	18,274	20,639	87.67	53.25	973.09	39.3	118.58	33.17	606.15	72.0	2.68	0.98	17.91	63.4	1,060
AVG		18,299		108.67	48.12	869.30	53.05	132.51	31.92	572.26	75.64	2.68	0.79	14.28	70.23	
MAX			39,053	148.38	54.38		63.59	165.25	40.00		81.12	3.24	0.98			
CRITERIA		21,800			35.00	763.00		45.00	981.00				1.00	22.00		

COMPLIANCE	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
STATISTICS FOR THE MONTH OF DECEMBER:																
2008	716.62	23,117														
2007	574.49	18,532														
2006	717.49	23,145														

MONTH	Total Loadings			
	TOTAL RAW BOD (kg/day)	TOTAL SS (kg/day)	TOTAL RAW P (kg/day)	TOTAL RAW P (kg/day)
DEC 09	2,175	2,630	52	
NOV 09	2,262	2,351	52	
OCT 09	2,273	2,315	48	
SEP 09	1,864	2,182	43	
AUG 09	2,152	2,368	44	
JUL 09	2,279	2,374	44	
JUN 09	1,691	2,366	47	
MAY 09	1,749	2,729	51	
APR 09	1,517	2,629	50	
MAR 09	1,605	2,122	46	
FEB 09	1,702	2,160	51	
JAN 09	1,602	2,167	49	
AVG	1,906	2,366	48	
MAX	2,279	2,729	52	

COMMENTS:

*As per our new C of A 5526-75GL3D issued on June 26th, 2009, we are currently not required to sample for bacti. We stopped sampling Fecal Coliform in August.

Note: As per our new C of A 5526-75GL3D issued on June 26th, 2009, we now measure BOD on raw influent

Interoffice MEMORANDUM

WATER & WASTEWATER TREATMENT
OPERATIONS DEPARTMENT

Date: 2009-11-06
To: Don Richards, Chief Operator – Water Treatment
From: Jill Buckland, Abatement/Lab Technician
Subject: CITY OF BROCKVILLE – LEAD SAMPLING RESULT
EVALUATION – ROUND #4

Lead Sampling Result Summary for the City of Brockville

Round #1 (Dec 15th 2007 – April 15th 2008):

Total # of Plumbing Samples: 68

Residential – 62 sampling locations

Commercial – 6 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 4

Therefore: 5.9% of samples were over the Lead standard of 10ug/l

Round #2 (June 15th 2008 – October 15th 2008):

Total # of Plumbing Samples: 69

Residential – 63 sampling locations

Commercial – 6 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 4

Therefore: 5.8% of samples were over the Lead standard of 10ug/l

Round #3 (December 15th 2008 – April 15th 2009):

Total # of Plumbing Samples: **66**

Residential – 60 sampling locations

Commercial – 6 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: **0**

Therefore: **0%** of samples were over the Lead standard of 10ug/l

Round #4 (June 15th 2009 – October 15th 2009):

Total # of Plumbing Samples: **66**

Residential – 60 sampling locations

Commercial – 6 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: **2**

Therefore: **3.0%** of samples were over the Lead standard of 10ug/l

Lead Sampling Result Evaluation

From SOP # 1410.4:

2.0 Once a total of two years of **STANDARD LEAD SAMPLING** is completed the Lead results can again be evaluated to determine if reduced sampling applies.

Condition 1: If in each of four consecutive periods (2 years) not more than 10 percent of all the samples taken from plumbing and tested for Lead exceeded the standard (10ug/l).

- 2.1 If condition 1 is met then the **REDUCED SAMPLING SCHEDULE** applies. See the REDUCED SAMPLING section for the schedule.
- 2.2 If condition 1 is not met then **STANDARD LEAD SAMPLING** continues as described above for another two consecutive periods (1 year). Again after the completion of another year of sampling the Lead results can be evaluated using the above **Condition 1** to determine if reduced sampling applies.

Conclusion:

Based on the lead sampling result summary for the last four rounds, Condition 1 was met. An evaluation of each round of lead results shows that not more than 10 percent, of all the samples taken from plumbing and tested for Lead, exceeded the Lead Standard of 10ug/l.

Therefore, the REDUCED SAMPLING SCHEDULE applies.

See the REDUCED SAMPLING SCHEDULE that follows.

SAMPLING POINTS REQUIRED UNDER REDUCED SAMPLING SCHEDULE:

Water System	Pop. Served by drinking water system	No. of sampling points that serve private residences	No. of sampling points that DO NOT serve private residences	No. of sampling points in Distribution System
EZK	100-499	5	1	1
Brockville	10,000-49,000	30	3	4

Frequency: Under the reduced sampling schedule the frequency of sampling events is reduced to two sampling events every third 12-month period after the last set of samples were taken (every 3 years).

The samples required must be taken during each of the following periods in the relevant 12-month period:

1. The period from December 15th to April 15th.
2. The period from June 15th to October 15th.

The next round of lead sampling, at the reduced number of sampling locations, will need to take place during the periods of December 15th, 2011 – April 15th, 2012 and June 15th, 2012 – October 15th, 2012.

Corrosion Control Evaluation

From SOP # 1410.4:

Corrosion Control applies to a large Municipal residential system **if**,

- Condition 1:** In two of the three most recent periods more than 10 percent of all samples taken from plumbing and tested for Lead exceed the Standard for Lead (10ug/l); **and**
- Condition 2:** In each of the two periods mentioned above the number of samples that exceed the standard for Lead (10ug/l) is at least two.

Summary:

- Round #2 (June 15th 2008 – October 15th 2008): **5.8%** of samples were over the Lead standard of 10ug/l
- Round #3 (December 15th 2008 – April 15th 2009): **0%** of samples were over the Lead standard of 10ug/l
- Round #4 (June 15th 2009 – October 15th 2009): **3.0%** of samples were over the Lead standard of 10ug/l

Conclusion:

Corrosion control measures are not necessary. In no instance did any two of the three most recent periods have more than 10% of all samples taken from the plumbing and tested for Lead exceed the standard of 10ug/l.

Interoffice MEMORANDUM

WATER & WASTEWATER TREATMENT
OPERATIONS DEPARTMENT

Date: 2009-11-06
To: Don Richards, Chief Operator – Water Treatment
From: Jill Buckland, Abatement/Lab Technician
Subject: Elizabethtown-Kitley – LEAD SAMPLING RESULT
EVALUATION - ROUND #4

Lead Sampling Result Summary for Elizabethtown-Kitley

Round #1 (Dec 15th 2007 – April 15th 2008):

Total # of Plumbing Samples: 11

Residential – 10 sampling locations

Commercial – 1 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 0

Therefore: 0% of samples were over the Lead standard of 10ug/l

Round #2 (June 15th 2008 – October 15th 2008):

Total # of Plumbing Samples: 11

Residential – 10 sampling locations

Commercial – 1 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 1

Therefore: 9.1% of samples were over the Lead standard of 10ug/l

Round #3 (December 15th 2008 – April 15th 2009):

Total # of Plumbing Samples: 12

Residential – 11 sampling locations

Commercial – 1 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 0

Therefore: 0% of samples were over the Lead standard of 10ug/l

Round #4 (June 15th 2009 – October 15th 2009):

Total # of Plumbing Samples: 11

Residential – 10 sampling locations

Commercial – 1 sampling locations

Total # of sampling locations with a result over the Lead Standard of 10ug/l: 0

Therefore: 0% of samples were over the Lead standard of 10ug/l

Lead Sampling Result Evaluation

From SOP # 1410.4:

2.0 Once a total of two years of **STANDARD LEAD SAMPLING** is completed the Lead results can again be evaluated to determine if reduced sampling applies.

Condition 1: If in each of four consecutive periods (2 years) not more than 10 percent of all the samples taken from plumbing and tested for Lead exceeded the standard (10ug/l).

- 2.1 If condition 1 is met then the **REDUCED SAMPLING SCHEDULE** applies. See the REDUCED SAMPLING section for the schedule.
- 2.2 If condition 1 is not met then **STANDARD LEAD SAMPLING** continues as described above for another two consecutive periods (1 year). Again after the completion of another year of sampling the Lead results can be evaluated using the above **Condition 1** to determine if reduced sampling applies.

Conclusion:

Based on the lead sampling result summary for the last four rounds, Condition 1 was met. An evaluation of each round of lead results shows that not more than 10 percent, of all the samples taken from plumbing and tested for Lead, exceeded the Lead Standard of 10ug/l.

Therefore, the REDUCED SAMPLING SCHEDULE applies.

See the REDUCED SAMPLING SCHEDULE that follows.

SAMPLING POINTS REQUIRED UNDER REDUCED SAMPLING SCHEDULE:

Water System	Pop. Served by drinking water system	No. of sampling points that serve private residences	No. of sampling points that DO NOT serve private residences	No. of sampling points in Distribution System
EZK	100-499	5	1	1
Brockville	10,000-49,000	30	3	4

Frequency: Under the reduced sampling schedule the frequency of sampling events is reduced to two sampling events every third 12-month period after the last set of samples were taken (every 3 years).

The samples required must be taken during each of the following periods in the relevant 12-month period:

1. The period from December 15th to April 15th.
2. The period from June 15th to October 15th.

The next round of lead sampling, at the reduced number of sampling locations, will need to take place during the periods of December 15th, 2011 – April 15th, 2012 and June 15th, 2012 – October 15th, 2012.

Corrosion Control Evaluation

From SOP # 1410.4:

Corrosion Control applies to a large Municipal residential system if,

- Condition 1:** In two of the three most recent periods more than 10 percent of all samples taken from plumbing and tested for Lead exceed the Standard for Lead (10ug/l); **and**
- Condition 2:** In each of the two periods mentioned above the number of samples that exceed the standard for Lead (10ug/l) is at least two.

Summary:

- Round #2 (June 15th 2008 – October 15th 2008): **9.1%** of samples were over the Lead standard of 10ug/l
- Round #3 (December 15th 2008 – April 15th 2009): **0%** of samples were over the Lead standard of 10ug/l
- Round #4 (June 15th 2009 – October 15th 2009): **0%** of samples were over the Lead standard of 10ug/l

Conclusion:

Corrosion control measures are not necessary. In no instance did any two of the three most recent periods have more than 10% of all samples taken from the plumbing and tested for Lead exceed the standard of 10ug/l.

January 8, 2010

REPORT TO OPERATIONS COMMITTEE – January 20, 2010

**2010-004-01
REQUEST FOR STOP SIGN
AT DEVELOPMENT DRIVE
AND DEVELOPMENT DRIVE**

**C. J. COSGROVE, P. ENG.
DIRECTOR OF OPERATIONS
P. E. RAABE, P. ENG.
MUNICIPAL ENGINEER**

RECOMMENDED

THAT the yield sign on Development Drive in the southbound direction at Development Drive be removed; and

THAT a stop sign be placed on Development Drive in the southbound direction at Development Drive; and

THAT Schedule “V” of By-law 21-93 be revised accordingly and;

THAT Schedule “I” of By-law 21-93 be revised accordingly.

PURPOSE/BACKGROUND

The Operations Department, Engineering Division, was contacted by a local business located on Development Drive requesting the yield sign at the intersection of Development Drive and Development Drive be removed and replaced by a stop sign to control traffic movements. When the yield signs were implemented, the traffic volume in this area was very low. With the addition of WSI and other businesses, the intersection has seen a significant increase in traffic. The businesses in the area feel that a stop sign will reduce the number of near misses and/or traffic incidents and improve the safety of the intersection.

ANALYSIS/OPTIONS

According to the Highway Traffic Manual, yield signs are used where the normal right-of-way rule does not provide safe, convenient and efficient traffic movements and where a stop sign would be too restrictive. Vehicles approaching the sign must yield the right-of-way to oncoming vehicles or vehicles on the intersecting street. They are typically used on roads where traffic volumes are low, visibility is good and operating speeds are low.

Stop signs are used to clearly assign right-of-way at the intersection. In general, Stop signs should only be used where traffic engineering studies considering such factors as traffic speed, traffic volumes, restricted sight lines and collision experience indicate that the use of Stop sign is warranted.

Although the City does not have traffic volumes or collision data for the intersection, it can

be concluded that with the expansion to Alcan and development of Waste Services Inc. since the yield sign was installed, the traffic on Development Drive has increased significantly and thereby increasing the potential of traffic collisions. Therefore, it is recommended that a stop sign be installed at the intersection to improve its safety.

POLICY IMPLICATIONS


The installation of a stop sign should follow the guidelines and warrants of the Ontario Traffic Manual. An amendment to the City's Traffic By-Law 21-93 requires Council's authorization.


FINANCIAL CONSIDERATIONS


Annually Public Works budgets for the installation of a variety of signs throughout the City including; stop, yield, parking, directional, and more. There are sufficient funds in the Public Works proposed 2010 Operating Budget in account 3390-3620 to accommodate the estimated cost of \$200 to supply and install the necessary sign.

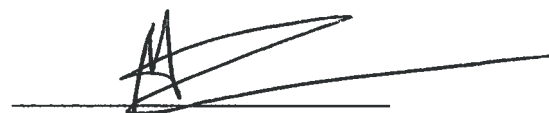
CONCLUSION

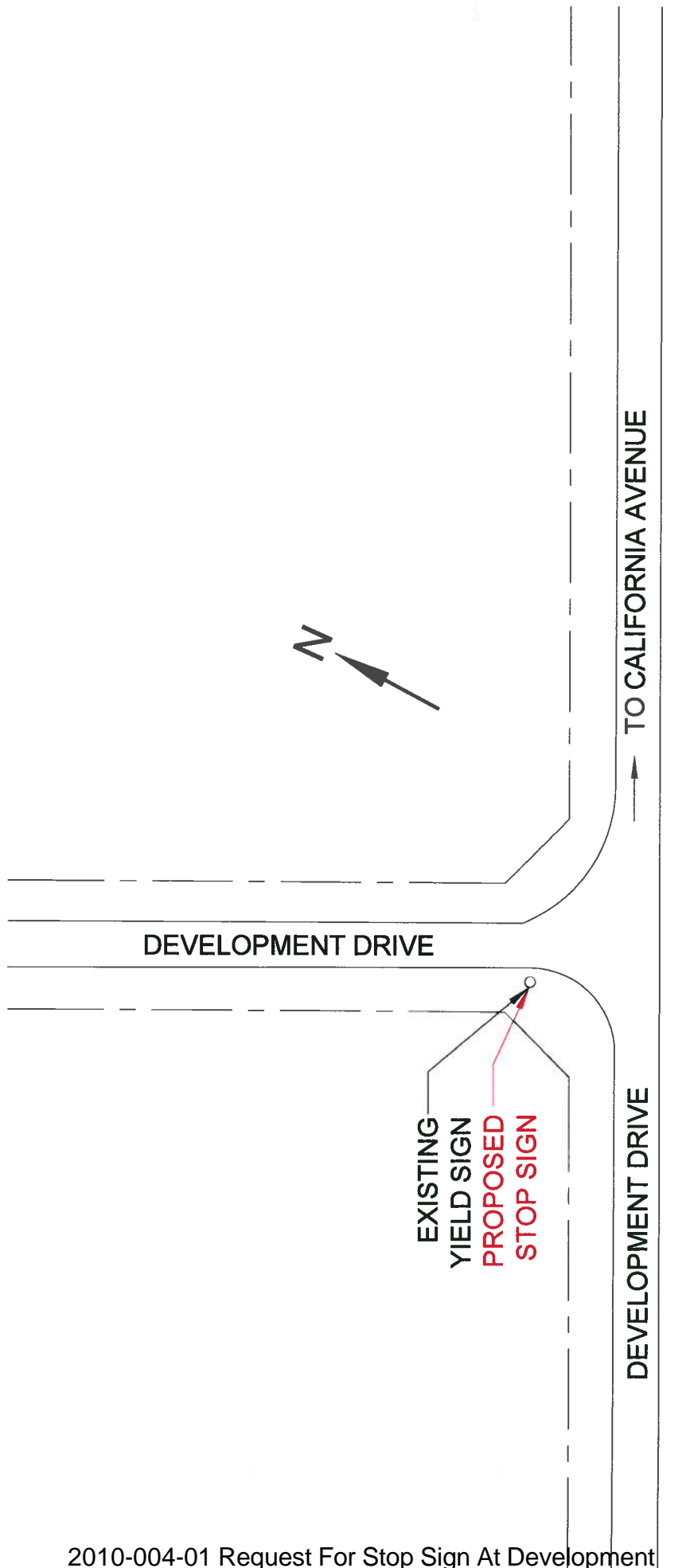
It is recommended that a stop sign be installed at the above noted location to control traffic movements at the intersection.


C.J. Cosgrove, P.Eng.
Director of Operations


P.E. Raabe, P.Eng.
Municipal Engineer


D. Cyr
Director of Finance


B. Casselman
City Manager





January 7, 2010

REPORT TO OPERATIONS COMMITTEE – January 20, 2010

**2009-005-01
REQUEST FOR NO PARKING ZONE
ON GEORGE STREET AT THE
MARRIANNA APARTMENTS**

**C. J. COSGROVE, P. ENG.
DIRECTOR OF OPERATIONS
P. E. RAABE, P. ENG.
MUNICIPAL ENGINEER**

RECOMMENDED

THAT the 2 Hour Complimentary Parking on the south side of George Street, from 24.0 metres east of Clarissa Street to 37.5 metres east of Clarissa Street be removed and;

THAT a No Parking Zone be created on George Street, from 24.0 meters east of Clarissa Street to 37.5 metres east of Clarissa Street and;

THAT Schedule "13" Subsection 74 of By-law 119-89 be amended accordingly and;

THAT Schedule "1" Subsection 72 of By-law 119-89 be amended accordingly.

PURPOSE/BACKGROUND

In 2008, the parking on George Street from Perth Street to Clarissa Street was revised. The revision included moving the 2 Hour Complimentary Parking from the north side of the street to the south side to increase the number of parking spaces and in doing so, creating a No Parking Zone on the north side. Since the change, the Property Manager from the Marianna Apartments, has identified some concerns with the new parking configuration. The Operations Department, Engineering Division, was contacted by the Property Manager requesting a no parking zone be implemented at the above noted location. The Board of Directors for the apartment building has concerns with the drop-off/pick-up of elderly residents at this location as well as parking in front of a fire hydrant and garbage pick-up.

ANALYSIS/OPTIONS

After reviewing the site, the Engineering Division has made the following observations. The building is primarily a residence for people who are elderly. The area of the proposed no parking zone is the primary location for the drop-off and pick-up of residents. When there is a vehicle parked in front of the walk-way, it makes it more difficult for an elderly person to be picked up. In addition, when parked in this location, they are blocking a fire hydrant. It is also a concern for the pick up of garbage for the building. When vehicles are parked at this location, especially in the winter months, difficulties are created for the pick up of garbage. By creating a no parking zone in this area, one parking space will be lost. Please refer to the photos and sketch provided with this report. Since George Street is located within the City's 2-Hour Complimentary Parking Zone, the DBIA have been consulted and are in agreement with the proposed revisions.

POLICY IMPLICATIONS

Amendment to the City's Parking By-Law 119-89 requires Council's authorization.

FINANCIAL CONSIDERATIONS


Annually Public Works budgets for the installation of a variety of signs throughout the City including; stop, yield, parking, directional, and more. There are sufficient funds in the Public Works 2010 Proposed Operating Budget in account 3390-3620 to accommodate the estimated cost of \$500 to supply and install the necessary sign.

CONCLUSION

It is recommended that a No Parking Zone be implemented at the above noted location.



C.J. Cosgrove, P.Eng.
Director of Operations



P.E. Raabe, P.Eng.
Municipal Engineer



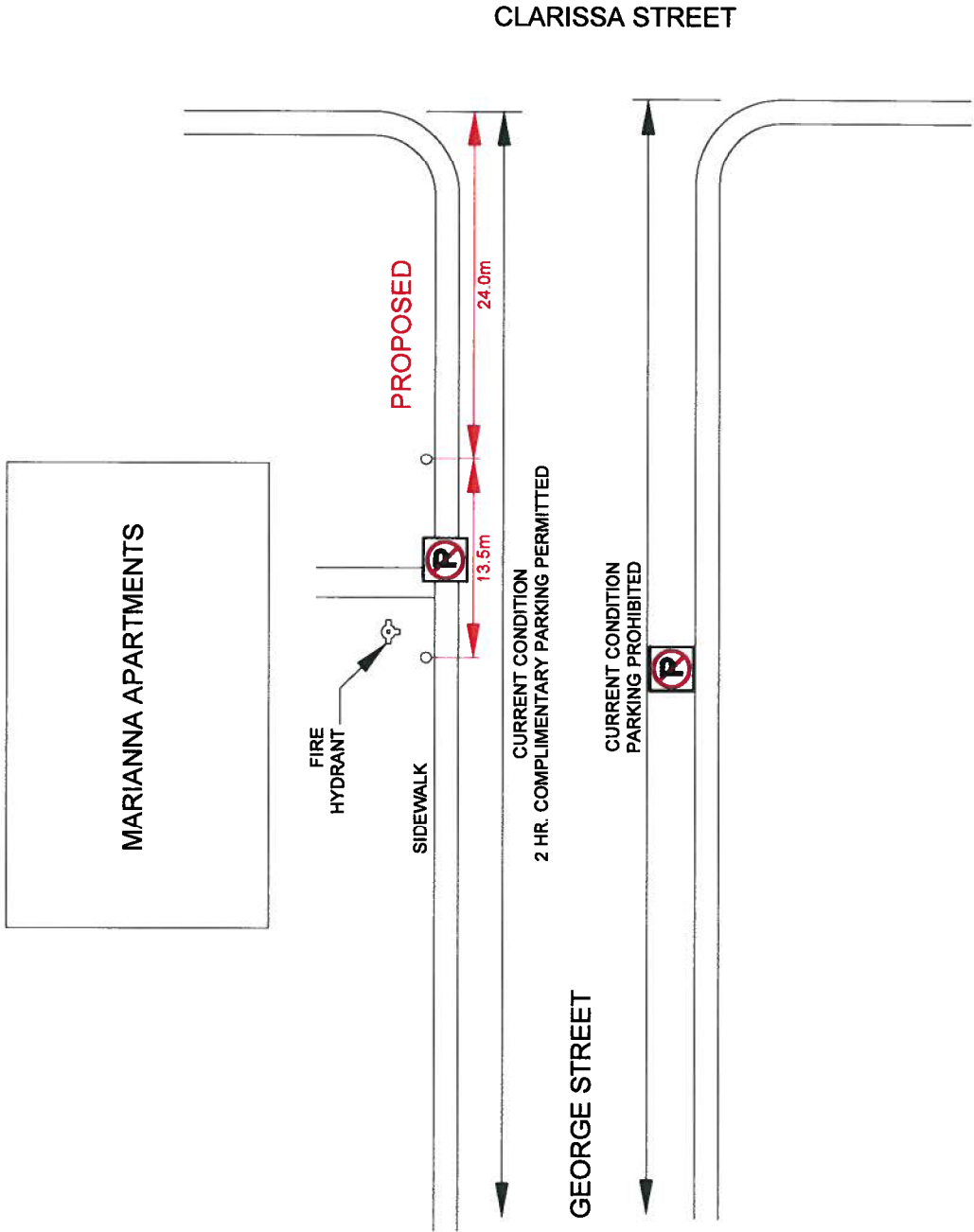
D. Cyr
Director of Finance



B. Casselman
City Manager



S.M. Seale
City Clerk





January 11. 2010

REPORT TO OPERATIONS COMMITTEE – JANUARY 20, 2010

**2010-007-01
NIGHT CLOSURE OF BLOCKHOUSE
ISLAND PARKWAY**

**C.J. COSGROVE, P.ENG.
DIRECTOR OF OPERATIONS**

RECOMMENDATION

THAT Council endorse the closure of Blockhouse Island Parkway to vehicular traffic between 9 pm and 6 am from Labour Day to Victoria Day weekend.

PURPOSE

To endorse the closure of Blockhouse Island Parkway to vehicular traffic over the night time hours in response to increasing concerns regarding public safety and property damage.

BACKGROUND

Attachment 1 to this report is a memo from Chief Adrian Geraghty of the Brockville Police Services recommending closure of the gate at the entrance to Blockhouse Island Parkway between 9 pm and 6 am to restrict vehicular access to response to complaints and incidents concerning public safety and property damage.

Currently, the gate is closed by seasonal harbour staff between 11 pm and 6:30 am from Victoria Day weekend to Labour Day.

Blockhouse Island is accessible to pedestrians at all times as the gate restricts vehicular access only.

ANALYSIS


While it is regretful that restricted access to Blockhouse Island has to be considered, it is recommended that the nightly closure of Blockhouse Island Parkway be endorsed given the reasons cited by Chief Geraghty.

POLICY IMPLICATIONS

None

FINANCIAL CONSIDERATIONS

None


C.J. Cosgrove, P.Eng.
Director of Operations


B. Casselman
City Manager


D. Cyr
Director of Finance

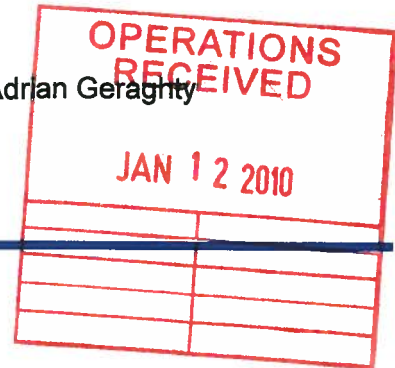


INTERNAL CORRESPONDENCE

To: Conal Cosgrove
Director of Operations

From: Chief Adrian Geraghty

Date: December 17, 2009



RE: Blockhouse Island

Dear Conal,

As per our brief discussion at the SMT meeting on Tuesday, December 15, 2009, reference the closure of the gate to Blockhouse Island.

During the past year, we have investigated several motor vehicle complaints on Blockhouse Island, which included careless driving, burnouts, property damage, to name a few.

Just last weekend, we investigated a complaint which resulted in a careless driving charge and property damage.

Several complaints have been received from citizens who continue to walk their dogs on just a casual walk around the island late in the evening and are concerned about the vehicle traffic.

The Brockville Police Service are suggesting that the gate leading to Blockhouse Island be closed at 9:00 p.m. and remain closed until 6:00 – 7:00 a.m. each day.

This will allow our citizens to enjoy their walk around the island not fearing for their lives.

Yours truly,

Chief Adrian Geraghty

tc

Sandra Seale

From: Henry Noble [hnrynbl@hotmail.com]
Sent: January 15, 2010 11:40 AM
To: Barb Robinson; Sandra Seale; Tracy Brons
Subject: THIS IS THE DOCUMENT TO ATTACH TO THE OPS AGENDA PER MY ADDED ITEM

From: brobinson@brockville.com
To: hnrynbl@hotmail.com
Date: Fri, 15 Jan 2010 11:34:24 -0500
Subject: FW: Public Safety

For the Operations Agenda

From: Henry Noble [mailto:hnrynbl@hotmail.com]
Sent: January 15, 2010 11:30 AM
To: Barb Robinson
Subject: FW: Public Safety

From: [REDACTED]
To: mkalivas@ripnet.com; bruce.fullarton@sympatico.ca; louse_severson4@sympatico.ca; journal@sympatico.ca; hnrynbl@hotmail.com; stuwilliams82@hotmail.com; gordbeach@hotmail.com; jearle@brockville.com; themayor@brockville.com
Subject: Public Safety
Date: Thu, 17 Dec 2009 16:42:34 -0500

Dear Councillors,

Thank you for noting the concerns that we face in the Block House Island area. We are aware that you face many significant challenges as part of your governance of the city and appreciate very much your support.

Due to the ongoing and vigilant efforts of Brockville Police we have seen a significant return to use of Block House Island in the evening by citizens. Senior citizens are going for walks. Families are walking their pets. Children are playing. The island is coming back to life.

For the past few years people have been too afraid to walk in the area at night. Street racers, drug users and vandals had made the area their personal playground. A number of them still try to intimidate members of the public by "revving" their engines when approaching walkers and by driving by people quickly to scare them. Some of them drive by while giving us that special "salute". One individual, known to Police and many of us, will stop his truck at

night opposite the Boardwalk and "rev" his engine while staring at us. However, we will not and can not allow ourselves to be intimidated.

Despite the efforts of the street racers to the contrary, the situation has changed dramatically and for the better, over the past year and a half. That said, please make no mistake, the trouble-makers responsible are not about to give up. With the advent of Winter weather they began using the area a few weeks ago as a slalom course. We personally witnessed a several vehicles lose control and mount curbs at high speed. Another vehicle nearly hit a tree. Two vehicles narrowly escaped a head on collision. In two instances people walking in the area had to move away quickly.

These individuals are not "boys being boys" doing donuts in the first snowfall of an industrial parking lot. These individuals are not decent citizens who hit a patch of ice despite their best safe-driving efforts. These are stunt racing trouble-makers. They use cell phones and police scanners. They set-up four or more cars around the perimeter of Block Island and Water Street to monitor Police activity. They flash their headlights to signal the "all clear" for racing and put their four way flashers on to signal the approach of Police.

Finally, last weekend, I personally witnessed the inevitable. A street racer, well known to us, entered Block House Island a little after 10:00 p.m. He did so at a high rate of speed - at least three times the posted speed limit. He quickly lost control of his truck, jumped the curb and struck a light standard. The truck was too badly damaged to drive. This individual had been making a practice of "fish tailing" and "drifting" his vehicle repeatedly for the past few weeks. The rest of the time he used the area as a race course.

Fortunately, no one was injured, this time. However, not ten minutes before, a woman was walking two dogs exactly where the accident occurred - fifteen minutes before that a young couple with a baby carriage had been in the same spot.

That is the challenge we face. I believe if someone identifies a problem they should offer some solutions, otherwise they are merely complaining. Therefore, may I, respectfully, suggest the following:

Suggestion:

Declare the approaches to (parking spaces) and Block House Island proper a Community Policing Zone.

Rationale:

This alerts the public to employ greater vigilance and would allow Brockville Police to levy higher fines on those who break the law. This action

would not hinder the use or enjoyment of the area, in any way, by law abiding citizens.

Suggestion:

Post "No Loitering" signs on the approaches to (parking spaces) and Block House Island Proper.

Rationale:

This would allow Brockville Police to selectively remove known trouble-makers while allowing law abiding citizens the unhindered freedom to enjoy the area safely.

Suggestion:

Close the gates to Block Island year round at 11:00 o'clock.

Rationale:

This would deny the trouble makers access to the parking area and Block House Island proper. With the exception of the odd, and I do mean odd taxi driver going for a drive between shifts, the area is not used by public automobile traffic past 11 o'clock at night. Closing the gate would not stop anyone from enjoying the area by walking around the Island - as they do when the gate is closed during the boating season.

Thank you for your kind consideration of our concerns. We love Brockville and wish it to prosper. For that to happen the area must not only be safe, but perceived to be safe by its citizens. Brockville Police are doing all that they may to correct the situation. They can not be continually present to monitor the trouble-makers. Please consider giving them the necessary tools to make the area safe for all.

Please do not hesitate to contact me if you wish further information. Thank you.

Yours, respectfully

Michael Toms

[Redacted signature]

Town Hall Sessions

2009-2010

Whether you are municipal staff or an elected official, join us to learn about existing and new program/service offerings from AMO/LAS. These no-cost sessions are your chance to learn how to leverage our experience, programs, and leadership so you can do more for your municipality.

Session Schedule:

9am - 10:15 – Monitor Energy and Plan to Succeed with LAS' EMT and Energy Management Planning Tool

We will introduce our new Energy Planning Tool (EPT) and outline how it will help your organization meet the regular reporting requirements outlined in the *Green Energy Act*. We will also demonstrate our successful Energy Management Tool (EMT) and discuss how this web-based software can help municipalities of all sizes save money through active monitoring and benchmarking of electricity, natural gas, and water accounts. The tool can also help municipalities meet corporate environmental stewardship goals including GHG reductions.

10:30 – 11:15 – Leveraging the Green Energy Act - LAS Solar Photovoltaic Project

LAS now offers a turnkey renewable energy project solution to all interested municipalities. Discover how the installation of solar PV arrays on an existing municipal facility can provide a long-term revenue source for your organization by selling green energy into the Ontario electricity grid. This program also provides a great opportunity to educate your community about the benefits of sustainability and green power.

11:15 – 12:00pm – LAS Natural Gas and Electricity Program

More than 160 municipalities take part in the LAS Electricity and Natural Gas Procurement Programs. This session will provide current members with an update of both programs (including program savings), and will also provide an overview of program benefits and the enrollment process for municipalities that do not yet participate.

Networking lunch provided!

1:00 – 2:00pm - Municipal Information & Data Analysis System (MIDAS)

Learn about recent upgrade to MIDAS, including the integration of the graphic/reports and mapping sections, and the incorporation of Microsoft's Virtual Earth into the GIS software. MIDAS is a web-based query and analysis tool that converts raw Financial Information Return (FIR) data into meaningful reports, graphic presentations, thematic mapping, and cartographic printing. MIDAS is a tool that can benefit all municipalities as it makes municipal benchmarking convenient and fast.

2:00 – 3:00pm - Federal Gas Tax Program Update

This update will advise you of the relevant changes to the Federal Gas Tax funding arrangement for the period of 2010 to 2014, and will provide an update on the focus and purpose of the program going forward. Hear about some progressive projects that are helping municipalities undertake solid, informed infrastructure financial planning.