



**CANTON D'ALFRED ET PLANTAGENET
ORDRE DU JOUR
COMITÉ PLÉNIER**

**le mardi 15 octobre 2019, 19 h 00
TOWN HALL CONFERENCE ROOM**

Pages

1. OUVERTURE DE LA RÉUNION
2. ADOPTION DE L'ORDRE DU JOUR
3. DIVULGATIONS D'INTÉRÊTS PÉCUNIAIRES
4. SERVICE DE L'URBANISME
 - 4.1 Projet de règlement sur la conservation des forêts
 - 4.2 Cimetière Pitch Off
 - 4.3 Anco Homes - Entente de pré-service
 - 4.4 Droits de passage - information générale
5. SERVICE DES FINANCES
 - 5.1 MPAC - Aperçu de la stratégie d'engagement municipal
 - 5.2 F-15-2019 - plieuse-inséreuse et machine à affranchir
6. SERVICE DES TRAVAUX PUBLICS
 - 6.1 Gestion des déchets
 - 6.2 TP-16-2019 - JP2G offre de services d'arpentage
 - 6.3 Entrepreneurs pour les projets des Travaux publics.
 - 6.4 Contrôle des mauvaises herbes
 - 6.5 Dommages au trottoirs d'Alfred

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6.6.1 Nombres de sacs et responsabilité de l'entrepreneur

6.6.2 Processus de collecte - écoulements

7. SERVICE DE LA DIRECTION GÉNÉRALE

7.1 Cimetière anglican à Alfred

7.2 Politique concernant les demandes d'indemnisation pour dommages matériels

7.3 Zone inondable - lettre aux résidents

8. SERVICE DE RÉGLEMENTATION

8.1 Proposition de nouveaux règlements

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12.1 Rapport du Surintendant du Drainage pour le mois de septembre 2019.

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12.3 Contrat pour la peinture de la tour d'eau à Wendover

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12.6 IGS - Modifications à la tour d'eau Alfred

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14. CLÔTURE



**TOWNSHIP OF ALFRED AND PLANTAGENET
AGENDA
COMMITTEE OF THE WHOLE**

**Tuesday, October 15, 2019, 7:00 P.M.
TOWN HALL CONFERENCE ROOM**

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1. OPENING OF THE MEETING
2. ADOPTION OF THE AGENDA
3. DISCLOSURES OF PECUNIARY INTERESTS
4. PLANNING DEPARTMENT
 - 4.1 Proposed Forest Conservation By-law
 - 4.2 Pitch Off Cemetary
 - 4.3 Anco Homes - Pre-servicing agreement
 - 4.4 Right of way - general information
5. FINANCE DEPARTMENT
 - 5.1 MPAC - Municipal Engagement Strategy Overview
 - 5.2 F-15-2019 - inset folder and postage meter
6. PUBLIC WORKS DEPARTMENT
 - 6.1 Waste management
 - 6.2 TP-16-2019 - JP2G Surveying proposal
 - 6.3 Contractors for Public Works projects.
 - 6.4 Weed control
 - 6.5 Damages to new sidewalks in Alfred
 - 6.6 Garbage collection -

6.6.1 Quantity of bags collected and contractor's responsibility

6.6.2 Garbage pick-up process - leaking

7. GENERAL MANAGEMENT DEPARTMENT

7.1 Anglican Cemetery in Alfred

7.2 Policy regarding claims for compensation for material damages

7.3 Flood plains - letter to residents

8. BY-LAW ENFORCEMENT DEPARTMENT

8.1 New By-law proposals

8.1.1 Fences

8.1.2 Private entrances

9. CONSTRUCTION DEPARTMENT

10. RECREATION DEPARTMENT

10.1 Western Festival 2020 - Installation

10.2 Art, Culture and Heritage Policy

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10.3 Land acquisition for Marinas

11. FIRE DEPARTMENT

12. OTHER BUSINESS

12.1 Report from the Drainage Superintendent for the month of September 2019.

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12.2 Report from OCWA (Ontario Clean Water Agency) for the month of September 2019.

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12.3 Wendover Water Tower Painting contract

12.4 Water distribution system new connections

12.5 Fire Hydrant flushing warning

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**CORPORATION DU CANTON
D'ALFRED ET PLANTAGENET**

RAPPORT
Finances

Rapport plieuse-inséreuse et machine à affranchir

Rapport F-15-2019

DATE: 15 octobre / October 15th, 2019

INTRODUCTION

Le présent rapport propose l'achat d'une plieuse-inséreuse ainsi qu'une machine à affranchir.

COMMENTAIRES DU SERVICE

Nos contrats de location viennent à échéance à la fin octobre 2019 pour notre plieuse-inséreuse ainsi que notre machine à affranchir. Nous avons obtenu des prix de deux différentes entreprises pour des locations et des achats, tel que présenté dans l'annexe A. Nous déterminons que l'achat des machines est plus rentable à long terme.

Le règlement #2014-43 sur la procédure d'achat a été respecté en obtenant deux (2) offres écrites de différents fournisseurs.

Puisque cette dépense n'était pas budgétée pour 2019, nous recommandons qu'elle soit financée par la réserve fonds de roulement.

RECOMMANDATION

Le département des Finances recommande l'achat d'une plieuse-inséreuse ainsi qu'une machine à affranchir auprès de la compagnie Pitney Bowes selon le scénario d'achat #1 de l'annexe A.

Que le conseil municipal autorise cette dépense non-budgétée pour 2019 et qu'elle soit financée par la réserve fonds de roulement, du compte grand-livre #12-2000-9000.



Josée Dallaire
Acting Treasurer \ Trésorière par intérim

ANNEXE A

COMPARATIF DE L'ACHAT VERSUS LA LOCATION D'UNE PLIEUSE/INSÉREUSE ET MACHINE À TIMBRES

Scénario	Fournisseurs	Modèle	Coût de location mensuel présentement	Coût de location annuel présentement	Coût de location mensuel proposé	Coût de location annuel proposé	Coût d'achat proposé	Contrat de service annuel - incluant location de compteur	COMPARATIF SUR 5 ANS
Présentement	Pitney Bowes	DM4C (location 5 ans)	\$ 298.14	\$ 3,577.68					\$ 17,888.40
		F3P3 (location 5 ans)	\$ 224.44	\$ 2,693.28					\$ 13,466.40
			\$ 522.58	\$ 6,270.96					\$ 31,354.80
Location #1	Pitney Bowes	DM400C			\$ 208.70	\$ 2,504.40			\$ 12,522.00
		RELAY 4500			\$ 360.19	\$ 4,322.28			\$ 21,611.40
					\$ 568.89	\$ 6,826.68			\$ 34,133.40
Location #2	Pitney Bowes	DM400C			\$ 208.70	\$ 2,504.40			\$ 12,522.00
		RELAY 3500			\$ 295.85	\$ 3,550.20			\$ 17,751.00
					\$ 504.55	\$ 6,054.60			\$ 30,273.00
Location #3	Francotyp-Postalia Canada Inc	FPI2725			\$ 251.60	\$ 3,019.20			\$ 15,096.00
		P65 PSD			\$ 151.50	\$ 1,818.00			\$ 9,090.00
					\$ 403.10	\$ 4,837.20			\$ 24,186.00
Location #4	Francotyp-Postalia Canada Inc	FPI2720			\$ 204.25	\$ 2,451.00			\$ 12,255.00
		P65 PSD			\$ 151.50	\$ 1,818.00			\$ 9,090.00
					\$ 355.75	\$ 4,269.00			\$ 21,345.00
Achat #1	Pitney Bowes	RELAY 4500 / DM400C				\$ 12,386.00	\$ 2,593.75	\$ 25,354.75	
Achat #2	Pitney Bowes	RELAY 3500 / DM400C				\$ 11,657.00	\$ 2,065.75	\$ 21,985.75	
Achat #3	Francotyp-Postalia Canada Inc	FPI2725					\$ 13,050.00	\$ 1,130.00	\$ 18,700.00
		P65 PSD			\$ 151.50	\$ 1,818.00			\$ 9,090.00
					\$ 151.50	\$ 1,818.00	\$ 13,050.00	\$ 1,130.00	\$ 27,790.00
Achat #4	Francotyp-Postalia Canada Inc	FPI2720					\$ 10,580.00	\$ 1,130.00	\$ 16,230.00
		P65 PSD			\$ 151.50	\$ 1,818.00			\$ 9,090.00
					\$ 151.50	\$ 1,818.00	\$ 10,580.00	\$ 1,130.00	\$ 25,320.00

Politique pour les arts, la culture et le patrimoine
Corporation du Canton d'Alfred et Plantagenet



En se dotant de cette politique, la Corporation du Canton d'Alfred et Plantagenet reconnaît que les arts, la culture et le patrimoine sont des facteurs importants qui favorisent une meilleure qualité de vie. Ils favorisent le sentiment d'appartenance et développent la fierté des citoyens et citoyennes dans leur communauté.

Mission :

La Corporation du Canton d'Alfred et Plantagenet a pour mission de travailler de concert avec la population et les groupes culturels, artistiques et patrimoniaux afin de rendre possible un éventail complet d'activités propres à améliorer la qualité de vie de tous les résidents et résidentes et à favoriser l'émergence d'un environnement harmonieux.

Objectifs généraux :

Sensibiliser la population et encourager la participation aux initiatives des artistes et des organismes culturels et patrimoniaux;

- Stimuler et soutenir le milieu artistique, culturel et patrimonial;
- Rassembler les gens de tous les âges autour des arts, de la culture et du patrimoine;
- Assurer la préservation de notre patrimoine;
- Favoriser l'émergence et la concrétisation des projets culturels, artistiques et patrimoniaux venant de la collectivité et assurer la concertation;
- Susciter, chez les citoyens et citoyennes, la fierté d'appartenance à notre communauté;

- Assurer que des outils de communication et de promotion soient mis en place et maintenus.

Le rôle de la municipalité et le partenariat :

La municipalité doit encourager et assurer le partenariat entre la communauté culturelle, artistique et patrimoniale et le milieu scolaire, les institutions religieuses, les organismes communautaires, la communauté des affaires, les ressources régionales, les médias et tous les niveaux de gouvernements.

Concertation et planification :

Le rôle de la municipalité est d'assurer un mécanisme de concertation qui répondra aux besoins de la collectivité. À cette fin, la Corporation du Canton d'Alfred et Plantagenet doit :

- Mettre sur pied un comité regroupant des membres du milieu de la culture, des arts et du patrimoine; (Voir annexe A)
- Donner un mandat clair au comité;
- Contribuer à maintenir les liens entre la collectivité et les groupes culturels, artistiques et patrimoniaux;
- Favoriser les échanges et la coopération entre les intervenants et les intervenantes du milieu culturel, artistique et patrimonial et la collectivité;
- Développer un plan stratégique et maintenir un calendrier des activités culturelles, artistiques et patrimoniales;
- Étudier les demandes de besoins financiers et assister à la recherche de financement (subventions et autres).

Moyens de soutien :

La Corporation du Canton d'Alfred et Plantagenet s'engage à :

- Mettre à la disposition des groupes, organismes et organisateurs d'événements, les infrastructures municipales et les ressources disponibles afin de faciliter la réalisation des activités culturelles, artistiques et patrimoniales (telles que salle du conseil, parcs, centres communautaires, bibliothèques, entre autres);

- Créer des partenariats avec les écoles et les paroisses en vue de partager des ressources et des infrastructures;
- Favoriser le réseautage;
- Assurer un service de soutien de la part de son personnel;
- Aider à la promotion et à la diffusion des activités culturelles, artistiques et patrimoniales;
- Favoriser la réalisation d'un guide des activités communautaires (guide Loisirs et culture);
- Voir à la création et au maintien de moyens de communication et de promotion (par ex : blog, site web, page Facebook, etc.).

Mécanisme de suivi :

Un mécanisme de suivi est nécessaire afin que la politique soit bien respectée. Ainsi, un plan d'action sera élaboré en collaboration avec le comité. La mise en œuvre de ce plan se fera sur quatre (4) ans.

Au début de chaque mandat du comité, ou avant si nécessaire, la présente politique fera l'objet d'une révision. (Plan directeur Loisirs, culture et tourisme 2019)

ANNEXE A

Comité des arts, de la culture et du patrimoine du Canton d'Alfred et Plantagenet

Section 1

OBJECTIFS ET RESPONSABILITÉS

1.1 Le comité des arts, de la culture et du patrimoine du Canton d'Alfred et Plantagenet a comme objectifs principaux :

- De travailler à l'élaboration d'une politique municipale;
- D'établir un plan stratégique pour une programmation artistique, culturelle et patrimoniale;
- De promouvoir les arts, la culture et le patrimoine;
- De proposer des partenariats entre les groupes artistiques, culturels et patrimoniaux et les gens d'affaires, les groupes communautaires, le conseil scolaire et les paroisses, entre autres;
- De promouvoir la salle du conseil, les parcs, les bibliothèques et les centres communautaires à des fins d'activités artistiques, culturelles et patrimoniales;
- D'étudier les besoins et conseiller quant aux demandes de la collectivité dans le domaine des arts, de la culture et du patrimoine afin d'offrir des opinions et des recommandations au conseil municipal.

1.2 Le comité sera le porte-parole officiel de l'opinion publique dans le processus décisionnel.

1.3 Le directeur ou la directrice des services de loisirs et le directeur ou la directrice des bibliothèques de la municipalité sont responsables de l'implantation de la politique.

1.4. Amendements : Le comité peut revoir la politique et proposer, au besoin, des amendements au conseil municipal.

Section 2.

FORMATION DU COMITÉ

2.1 Le comité sera nommé par le conseil municipal du Canton d'Alfred et Plantagenet et sera composé des membres suivants :

- a) deux (2) membres du conseil municipal du Canton d'Alfred et Plantagenet;
- b) un minimum de cinq (5) et un maximum de neuf (9) membres qui représentent une diversité de la communauté des arts, de la culture et du patrimoine;
- c) Le directeur ou la directrice des services de loisirs et le directeur ou la directrice des bibliothèques de la municipalité du Canton d'Alfred et Plantagenet agiront comme personnes-ressources.

Section 3.

NOMINATION DES MEMBRES AU COMITÉ

3.1 Les membres sont nommés par résolution du conseil municipal.

3.2 Un formulaire de nomination doit être soumis afin de devenir membre du comité.

3.3 Le conseil municipal peut mettre fin au mandat d'un membre du comité sur recommandation du comité.

3.4 Une personne dont le mandat est terminé par le conseil municipal ne peut faire appel à la décision.

3.5 La durée du mandat est de deux (2) ans et est renouvelable.

3.6 Les membres du comité doivent respecter le Code de conduite des membres du Conseil municipal. (Voir Annexe B). Règlement municipal 2019-32.

Section 4.

CHARTRE ORGANISATIONNELLE

4.1 Un président ou une présidente doit être nommé(e) par le comité.

4.2 Un secrétaire ou une secrétaire doit être nommé(e) par le comité.

4.3. Le quorum est atteint lorsque la “moitié plus un” des membres composant le comité sont présents.

4.4 Les membres du conseil municipal ne peuvent être nommés à la présidence du comité et n'ont pas droit de vote.

4.5 Le comité peut recruter des membres pour siéger au sein de sous-comités.

Section 5.

EXÉCUTIF

5.1 Le président planifie et dirige les réunions du comité. L'ordre du jour est préparé en collaboration avec le directeur ou la directrice des services de loisirs et/ ou le directeur ou la directrice des bibliothèques de la municipalité.

5.2 Le président agit comme porte-parole du comité.

5.3 Le président signe les procès-verbaux et tous les documents officiels du comité.

5.4 Le président demeure en liaison avec le directeur ou la directrice des services de loisirs et le directeur ou la directrice des bibliothèques de la municipalité.

5.5 Le secrétaire du comité rédige les procès-verbaux des réunions du comité et les fait parvenir au directeur ou à la directrice des services de loisirs et/ou au directeur ou à la directrice des bibliothèques de la municipalité pour approbation par le conseil municipal, suite à leur adoption par le comité.

Section 6

FRÉQUENCE DES RÉUNIONS

6.1 Les réunions auront lieu tous les deux mois. Le comité se réserve le droit de convoquer des réunions spéciales au besoin.

6.2 L'ordre du jour et le procès-verbal de la réunion précédente sont préparés et distribués aux membres du comité au moins trois (3) jours ouvrables avant la réunion. Les membres du comité qui désirent ajouter des items à l'ordre du jour doivent les soumettre avant les trois (3) jours ouvrables précédents la réunion.

Section 7.

RAPPORTS ET RECOMMANDATIONS

7.1 Toutes les recommandations sont présentées au directeur ou à la directrice des services de loisirs et/ou au directeur ou à la directrice des bibliothèques du Canton d'Alfred et Plantagenet, en ordre de priorité.

Section 8.

RESPONSABILITÉS DES MEMBRES

L'atmosphère régnant au sein du comité doit être positive et respectueuse, toujours dans un esprit de collaboration.

Les membres du comité s'engagent à participer régulièrement aux réunions et motiver toute absence dans le meilleur délai possible.

Le comité peut mettre en application le point 3.3 si un membre du comité :

- Est absent ou absente des réunions pour trois (3) rencontres consécutives, sans que son absence soit motivée au comité.
- Si, par sa participation, un membre est toujours négatif et nuit aux délibérations du comité.

Section 9

RÉMUNÉRATIONS

9.1 Les membres du comité ne sont pas rémunérés.

9.2 Les membres peuvent être remboursés pour des dépenses préapprouvées par la municipalité si ces dépenses sont attribuées aux fonctions de leur mandat.

Arts, Culture and Heritage Policy

Corporation of the Township of Alfred and Plantagenet



By adopting this policy, the Corporation of the Township of Alfred and Plantagenet recognizes that arts, culture and heritage are important factors that promote a better quality of life. They promote a sense of belonging and develop the pride of citizens in their communities.

Mission:

The Corporation of the Township of Alfred and Plantagenet has the mission to work with the population and cultural groups, arts and heritage to enable a full range of activities to improve the quality of life of all residents and foster the emergence of a harmonious environment.

General objectives:

Raise public awareness and encourage participation in initiatives by artists and cultural and heritage organizations;

- To stimulate and support the artistic, cultural and heritage community;
- Bring people of all ages together around arts, culture and heritage;
- Ensure the preservation of our heritage;
- Foster the emergence and realization of cultural, artistic and heritage projects from the community and ensure collaboration;
- Instill in citizens a sense of pride in belonging to our community;
- Ensure communication and promotion tools are in place and maintained.

The role of the municipality and the partnership:

The municipality must encourage and ensure partnership between the cultural, artistic and heritage community and the school community, religious institutions, community organizations, the business community, regional resources, media and all levels of government.

Consultation and Planning:

The role of the municipality is to provide a mechanism for consultation that will meet the needs of the community. To this end, the Municipality of the Township of Alfred and Plantagenet shall:

- Establish a committee of members from the cultural, arts and heritage community; (See Annex A)
- Provide a clear mandate to the committee;
- Contribute to maintaining community ties with cultural, artistic and heritage groups;
- Foster exchanges and cooperation between cultural, artistic and heritage stakeholders and the community;
- Develop a strategic plan and maintain a calendar of cultural, artistic and heritage activities;
- Reviews requests for financial requirements and assists in the search for funding (grants and other).

Means of support:

The Corporation of the Township of Alfred and Plantagenet is committed to:

- Make available to groups, organizations and event organizers, municipal infrastructure and resources to facilitate cultural, artistic and heritage activities (such as boardrooms, parks, community centres, libraries, etc.);
- Create partnerships with schools and parishes to share resources and infrastructure;
- Foster networking; and
- Provide support from staff;
- Assist in the promotion and dissemination of cultural, artistic and heritage activities;
- Promote the development of a guide to community activities (Leisure and Culture guide);

- See to the creation and maintenance of means of communication and promotion (e.g.: blog, website, Facebook page, etc.).

Monitoring mechanism:

A follow-up mechanism is necessary to ensure that the policy is properly respected. So an action plan will be developed in collaboration with the committee. This plan will be implemented over four (4) years.

This Policy will be revised at the beginning of each Committee term, or sooner if necessary. (2019 Recreation, Culture and Tourism Master Plan)

ANNEX A

Alfred and Plantagenet Township Arts, Culture and Heritage Committee

Section 1.

OBJECTIVES AND RESPONSIBILITIES

1.1 The main objectives of the Committee on Arts, Culture and Heritage of the Township of Alfred and Plantagenet are to:

- Work to develop municipal policy;
- Establish a strategic plan for artistic, cultural and heritage programming;
- To promote arts, culture and heritage;
- To propose partnerships between artistic, cultural and heritage groups and business, community, school board and parishes, among others;
- Promote the boardroom, parks, libraries and community centres for artistic, cultural and heritage activities;
- To review and advise on community requests for arts, culture and heritage to provide advice and recommendations to City Council.

1.2 The Committee will be the official voice of public opinion in the decision-making process.

1.3 The Director of Recreation Services and the Director of Libraries of the municipality are responsible for implementing the policy.

1.4. Amendments: The Committee shall review the policy and propose amendments to City Council as required.

Section 2.

FORMATION OF THE COMMITTEE

2.1 The Committee shall be appointed by the Municipal Council of the Township of Alfred and Plantagenet and shall consist of the following members:

- (a) two (2) members of Council of the Township of Alfred and Plantagenet;
- (b) a minimum of five (5) and a maximum of nine (9) members who represent a diversity of the arts, culture and heritage community;
- c) The Director of Recreation Services and the Director of Libraries for the Municipality of the Township of Alfred and Plantagenet will act as resource persons.

Section 3.

APPOINTMENT OF COMMITTEE MEMBERS

3.1 Members shall be appointed by resolution of the Municipal Council.

3.2 An appointment form must be submitted in order to become a member of the committee.

3.3 The Council may terminate the term of a member of the Committee on the recommendation of the Committee.

3.4 A person whose term of office has been terminated by Council shall not appeal the decision.

3.5 The term of office shall be two (2) years and shall be renewable.

3.6 Committee members must adhere to the Code of Conduct for Council Members. (See Appendix B). By-law 2019-32.

Section 4.

ORGANIZATIONAL CHARTER

4.1 A Chair shall be appointed by the Committee.

4.2 A Secretary shall be appointed by the Committee.

4.3. A quorum shall consist of “half plus one” of the members of the committee.

4.4 Members of Council shall not be appointed as Chair of the Committee and shall not be entitled to vote.

4.5 The committee may recruit members to serve on subcommittees.

Section 5.

EXECUTIVE

5.1 The Chair plans and conducts committee meetings. The agenda is prepared in collaboration with the Director of Recreation Services and/or the Director of Libraries of the municipality.

5.2 The chair acts as the spokesperson for the committee.

5.3 The chair shall sign the minutes and all official documents of the committee.

5.4 The Chair remains in contact with the Director of Recreation Services and the Director of Libraries of the municipality.

5.5 The secretary drafts the minutes of the committee meetings and forwards them to the Director of Recreation Services and/or the Director of Libraries of the municipality for approval by Council, following their adoption by the committee.

Section 6

FREQUENCY OF MEETINGS

6.1 Meetings will be held every two months. The Committee reserves the right to call special meetings as required.

6.2 The agenda and minutes of the previous meeting shall be prepared and distributed to the members of the Committee at least three (3) working days prior to the meeting. Committee members wishing to add items to the agenda must submit them before the three (3) working days preceding the meeting.

Section 7.

REPORTS AND RECOMMENDATIONS

7.1 All recommendations shall be presented to the Director of Recreation Services and/or the Director of Libraries in the Township of Alfred and Plantagenet in order of priority.

Section 8.

RESPONSIBILITIES OF THE MEMBERS

The atmosphere in the committee must be positive and respectful, always in a spirit of collaboration.

The members of the committee undertake to participate regularly in the meetings and to provide reasons for any absence as soon as possible.

The Committee may terminate a member, as per section 3.3, if a member of the Committee:

- is absent without cause for three (3) consecutive meetings,
- If, through its participation, a member is always negative and interferes with the committee's deliberations.

Section 9

REMUNERATION

9.1 Committee members are not paid.

9.2 Members may, with council approval, be reimbursed for expenses attributed to the functions of their mandate.

Leroux Consultant

Eric Leroux

655, Rue Albert Plantagenet, Ontario K0B 1L0

Cell: (613) 223-9824

September 30th, 2019

File Reference 2019-0900

Ms. Annie Rochefort

Township of Alfred-Plantagenet

P.O. Box 350

Plantagenet, Ontario

K4K 1P7

RE: Drainage Superintendent Duties

Dear Ms. Rochefort

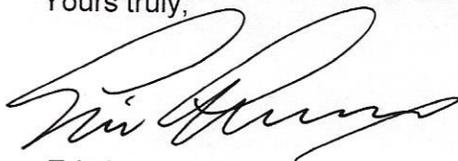
Please find enclosed a brief description of work performed for the period between from September 1st to September 30th, 2019.

General Drainage concerns

- 1) I continued to oversee erosion control repairs along the unopen Division road section for the neighbouring landowner closing back the eroded ditch to get back to the original watershed levels. Some rock check dams were built in the streams to hold any sediment washing downstream and is maintained by the land owner when and if needed to be cleaned. This work is still in progress.
- 2) I have received all the final draft copies of the Michel Viau municipal drain to be sent to all of the landowners in watershed and also agencies. An invitation to attend meeting to consider the engineers report will also be part of the package as this is part of the process to adopt changes thru the Ontario Drainage Act. Land owners do have a specific appeal period if they chose to do so after the meeting to consider. Owners as to send their appeals at the municipal clerk to be heard at a court of revision to be held at the municipality at a later date also under a specific timeline. The send outs have been prepared at the very end of September, early October and sent in the first week of October with invitations for a special meeting to be held on November 7th 2019.

- 3) I received a request from a landowner to get a trapper in the area of the Conrad Colle main drain. The owner gave me information on where the problem was, and I told him that it was too far from the municipal drain to be assessed. He will have to deal with this problem privately and hire the trapper to rid his ditch of a nuisance beaver. He had already spoken to a trapper and would take care of this issue.
- 4) The trapper I called to rid the Roydon James municipal drain of a nuisance beaver performed the work needed to be able to open the beaver dam with a small excavator and have the water levels back to its normal height on the middle to low section of the watercourse. After the contractor had removed the dam holding back a section of the drain, I could see three more small dams a little higher on the watercourse. I opened these dams by hand as access by the small excavator was risky to sink the machine being in a soft area. I had a feeling that I should continue to walk further on the drain after removing the last dam I could see. The area has lots of high vegetation and it is hard to see far. I walked approximately 100 meters to discover two other dams holding many acres of water on the land. This issue will be having to be dealt with in the upcoming months, as I could see fresh nuisance beaver activity.
- 5) We are presently reviewing and updating the landowner information and mailing list for the Cobb's Lake Creek watershed to be prepared as soon as the engineer's final draft is ready to be sent to the landowners being invited to the meeting to consider the report that will be held in the Municipality of Clarence-Rockland being the initiator of the procedure because the drain is in the Clarence-Rockland municipality. The watershed of the Dickinson Creek owner's outlets in the Cobb's Lake Creek drain and it is for that reason that Alfred-Plantagenet has to do the research in their area of the watershed.
- 6) I have requested for two engineers to provide us with proposals to realign approximately 200 meters at the upper section of the Jean-Jacques Séguin municipal drain being requested by the farm land owner. The cost of this process will be entirely payable by the owner initiating the procedures.

Hoping the above is to your satisfaction, I remain.
Yours truly,



Eric Leroux
Leroux Consultant

OPERATIONS AND COMPLIANCE RELIABILITY INDICES

Legend					
✓	●	▲	✗	Y/N	N/A
Achieved	On Target	Caution	Not Achieved	Yes/No	Not Applicable

	Target	J-F	M-A	M-J	J-A	S	N-D
Health & Safety							
Number of Incidents or Near Miss Reported	0	●	▲	●	●	●	
<i>Actual Result</i>		0	1	0	0	0	
Drinking Water							
Inspections Ratings (YTD)	100%	●	●	●	●	●	
<i>Actual Result</i>		98.17%					
AWQI's	0	●	●	●	●	●	
<i>Actual Result</i>		0	0	0	0	0	
Number of Non-Compliances	0	●	●	●	●	●	
<i>Actual Result</i>		0	0	0	0	0	
Number of Watermain Breaks	0	●	●	●	●	●	
<i>Actual Result</i>		0	0	0	0	0	
Number of Boil Water Advisories	0	●	●	●	●	●	
<i>Actual Result</i>		0	0	0	0	0	
Water Main Flushing	100%	N	N	●	●	●	
<i>Target Achieved</i>		N/A	N/A	yes	yes	yes	
Wastewater							
Number of Non-Compliances	0	●	✗	●	✗	✗	
<i>Actual Result</i>		0	3	0	1	1	
Number of Bypasses, Overflows or Reported Spills	0	●	●	●	●	●	
<i>Actual Result</i>		0	0	0	0	0	
Number of Sanitary Sewer Back-ups	0	●	✗	●	✗	●	
<i>Actual Result</i>		0	STEP	0	1	0	
Sanitary Collection System Flushing Completion as per PM Program	100%	N	N	●	●	●	
<i>Target Achieved</i>		N/A	N/A	yes	yes	yes	
Sludge Hauled to Certified Field or Municipal Land field		N/A	N/A	N/A	N/A	N/A	
Preventive Maintenance							
Work Orders Completed	>95%	✓	✓	✓	✓	✓	
<i>Target Achieved</i>		Yes	Yes	Yes	Yes	Yes	

OCWA Operations Report Card

For the Township of Alfred-Plantagenet
Water and Wastewater Facilities

Prescott Russell Cluster Operations
September, 2019



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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September Operations Report - 2019

1.0 FACILITY LISTINGS

1.1 Water Treatment & Distribution

Facility	Appurtenances
6057W Alfred/Lefaiivre Water Treatment Plant	1 Raw Water Low Lift Station 1 WTP (Actiflo Process) 1 Conventional WTP
6057D Alfred/Lefaiivre Water Distribution System 5642 Plantagenet Water Distribution	2 Water Storage Towers 1 Water Booster Station (St-Isidore) An Area Water Distribution System supplying Alfred, Lefaiivre, Plantagenet and directed to St-Isidore
5078 Wendover Water Treatment Plant	1 Low Lift Station 1 Water Storage Tower 1 Conventional WTP

1.2 Wastewater Treatment & Collection

Facility	Appurtenances
5974 Alfred Lagoon and Collection System	1 Two Cell Facultative Lagoon 1 Sewage Pumping Station
5891 Plantagenet Lagoon and Collection System	1 Single Cell Facultative lagoon 2 Sewage Pumping Stations
5646 Wendover Sewage Plant and Collection System	1 Sewage Pumping Station 2 Odor Control Chambers 1 (Rotating Biological Contactor) RBC Sewage Treatment Plant 215 STEP Sewage Collection Tanks

2.0 COMPLIANCE

2.1 Water Treatment and Distribution

Most Recent MOE Compliance Inspection Report - Rating

ORG	Facility	Inspection Date	Report Period	Inspector Name	MOE CIR Rating	Inspection Report Received	Inspection Report Reply Submitted
6057	Alfred/Lefaivre WTP and WD	05/11/2018	2018	Dan White	98.34%	January 28 th	Feb. 13 th
5078	Wendover WTP and WD	05/11/2018	2018	Dan White	98.17%	January 28 th	Feb. 13 th

Annual Reports (Water)

Annual Reports covering the period of January 1st – December 31st 2017 required under the Drinking Water Systems Regulation (O. Reg. 170/03) of the Safe Drinking Water Act: Water Taking, Section 11 and Schedule 22 Reports, were completed and submitted by February 27th, 2018 and March 22nd 2018

Adverse Water Quality Incidents (AWQI's)

Date	Facility	AWQI#	ISSUE	Date Resolved
No adverse incidents occurred during September 2019				

2.2 Wastewater Treatment & Collection

Most recent MOE Inspections

ORG	Facility	Inspection Date	Report Period	Inspector Name	Inspection Report Received	Inspection Report Reply Submitted
5974	Alfred lagoon and collection system	July 28 th 2015	2015-2016	Jean Veilleux	November 2 nd	N/A
5891	Plantagenet lagoon and collection system	July 28 th 2015	2012-2016	Jean Veilleux	November 2 nd	N/A
5646	Wendover sewage treatment plant and collection	August 24 th 2016	2016-2017	Jean Veilleux	March 15 th 2017	April 26 th 2017

Annual Reports (Wastewater)

The 2018 Annual Reports required under the Amended Environmental Compliance Approvals were completed and issued by March 31st, 2019.

Non Compliance, Reportable Spills and Bypasses

Facility	Event	Date Reported
Wendover WPCP	Monthly average Final Effluent Total Phosphorus	October 10, 2019

3.1 Operations and Compliance Reliability

A one page operation and compliance reliability dashboard is attached under Attachment I indicating the performance and targets for the reporting period.

4.0 DRINKING WATER QUALITY MANAGEMENT STANDARD (DWQMS)

DWQMS version 2.0 was released by the MOECC in April 2017 and all drinking water systems subject to the DWQMS will need to be accredited to the new Standard prior to the first audit (internal or external) in 2019. We have changed the Alfred/Lefaivre DWQMS over to version 2.0. Met with Valérie Parisien and Josée Dallaire on March 13th to complete the management review and to deliver the new version of operational plan. The plan was endorsed by the municipality on May 14th 2019.

The Alfred/Lefaivre DWQMS was submitted to SAI global on May 16th 2019. The overall effectiveness of the Township of Alfred/Plantagenet Quality Management System is considered effective with no non-conformances. The 2019 on-site audit was conducted on May 27th and no non-conformances were identified.

5.0 MAINTENANCE / CAPITAL / VALUE ADDED

5.1 Water Treatment and Distribution

Facility	Date	Description
Distribution systems	September	Dead ends were flushed in all villages

5.2 Wastewater Treatment and Collection

Facility	Date	Description
Alfred lagoon	Sept. 3 rd	Completed fall discharge at lagoon, sampling pilot for Viola completed, waiting for report
Wendover STEP	September	Met with Roger Grant at 3477 Principal concerning broken/clogged discharge pipe, Jacques Lalande dealing with him directly for repairs.
Wendover WPCP	September 12 th	Scum pump rebuilt (unforeseen) \$8,500.00
Wendover STEP	Oct. 3 rd	Meeting with Roch and Geneviève at 3459 Principal to discuss drainage issue/flooding

6.0 COMMUNICATIONS

6.1 Water Treatment & Distribution

Facility	Date	Complaint/Incident	Actions Taken
Plantagenet distribution	Sept. 9 th	Low pressure at 200 Main st.	Visited residence, pressure at street OK, plumbing screens to be cleaned by tenant.

6.2 Wastewater Treatment and Collection

Facility	Date	Complaint/Incident	Actions Taken

7.0 Health & Safety

- Health and Safety is a top priority at OCWA, with a goal of ensuring the Agency is a safe place for all employees, regardless of job description or work location. To support the continual improvement of OCWA’s Occupational Health and Safety System, OCWA has developed a near miss reporting process that will identify opportunities to reduce exposure to risk and improve OCWA’s OHSS and Programs with a focus on preventing workplace health and safety incidents. The table below indicates whether a health and safety incident or near miss was reported during the quarter.

Incident or Near Miss	Date	Description
Nothing to report		

8.0 RECOMMENDATIONS / GENERAL COMMENTS

8.1 Water Treatment and Distribution

- ASPEC Automation was at the water treatment plants several times in the past months to perform various repairs and PLC maintenance
- MISCO commented on tower inspection, do not agree with all recommendations, we asked for a plan from them to repair.

8.2 Wastewater Treatment and Collection

Appendix I

Performance Assessment Report - Lefavre Drinking Water System

From: 01/01/2019 to 31/12/2019

	01/2019	02/2019	03/2019	04/2019	05/2019	06/2019	07/2019	08/2019	09/2019	10/2019	11/2019	12/2019	<-Total-->	<-Avg-->	<-Max-->	<-Min-->
Raw Flows :																
Total - Raw Water Old Plant (m³)	15232	12841	13671	22224	17355	22591	25472	23890	21887				175163			
Total - Raw Water Actiflo (m³)	12436	9405	14972	15027	11506	15116	20709	17213	22171				138555			
Total - Raw Water Flow Total (m³)	27668	22246	28643	37251	28861	37707	46181	41103	44058				313718			
Avg - Raw Water Flow Total (m³/d)	892.5	794.5	924.0	1241.7	931.0	1256.9	1489.7	1325.9	1468.6					1147.2		
Total Treated Flows :																
Total - Treated Water Lefavre (m³)	2366	2230	2321	2304	2691	3348	3654	3116	2619				24649			
Total - Treated Water Plantagenet (m³)	9736	7811	8548	2979		3658	9458	8837	8076				59103			
Total - Treated Water St-Isidore (m³)	7604	6637	8025	9085	8089	8653	10604	8950	7431				75078			
Total - Treated Water Alfred (m³)	15498	13768	15920	25403		9061	20454	18261	17005				135370			
Total - Treated Water (m³)	35204	30446	32493	37467	34991	35660	44170	39164	35131				324726			
Average Treated Flows :																
Avg - Treated Water Lefavre (m³/d)	76.32	79.64	74.87	76.8	86.81	111.6	117.87	100.52	87.3					90.2		
Avg - Treated Water Plantagenet (m³/d)	314.06	278.96	275.74	99.3		261.29	305.1	285.06	269.2					261.1		
Avg - Treated Water St-Isidore (m³/d)	245.29	237.04	258.87	302.8	260.94	288.43	342.06	288.71	247.7					274.6		
Avg - Treated Water Alfred (m³/d)	499.94	491.72	513.55	614.27		647.21	659.81	589.06	566.83					572.8		
Maximum Treated Flows :																
Max - Treated Water Lefavre (m³/d)	93	101	95	100	128	230	230	137	112						230	
Max - Treated Water Plantagenet (m³/d)	472	313	320	332		336	401	357	351						472	
Max - Treated Water St-Isidore (m³/d)	450	285	520	715	650	360	600	360	323						715	
Max - Treated Water Alfred (m³/d)	786	600	831	2031		814	964	759	794						2031	
Maximum Turbidity:																
Filter #1A (NTU)	0.19	0.8	0.25	0.15	0.14	0.2	0.05	0.13	0.08						0.8	
Filter #1B (NTU)	0.25	0.29	0.26	0.1	0.05	0.17	0.04	0.08	0.05						0.29	
Filter #2A (NTU)	0.28	0.29	0.31	0.18	0.05	0.16	0.04	0.21	0.07						0.31	
Filter #2B (NTU)	0.29	0.22	0.31	0.14	0.05	0.18	0.04	0.03	0.11						0.31	
Filter #1 Actiflo (NTU)	0.13	0.16	0.13	0.24	0.26	0.21	0.16	0.41	0.22						0.41	
Filter #2 Actiflo (NTU)	0.21	0.21	0.21	0.34	0.28	0.21	0.06	0.44	0.23						0.44	
Treated Water (NTU)	0.26	0.22	0.26	0.27	0.29	0.28	0.22	0.21	0.24						0.29	
Chemical Parameters:																
Nitrite - Treated Water Lefavre (mg/L)	<	0.1		<	0.1		<	0.1							<	0.1
Nitrate - Treated Water Lefavre (mg/L)		0.2			0.5			0.4								0.5
THM - Distribution Water Lefavre (µg/l)		45.3			63			40								63
THM - Distribution Water Alfred (µg/l)					49			35								49
THM - Distribution Water Plantagenet (µg/l)		33.1														33.1
Chlorine Residuals:																
Min Free Cl2 Resid - Treated Water Lefavre (mg/L)	2.52	2.4	1.97	1.76	2.08	1.89	2	1.8	1.87							1.76
Max Free Cl2 Resid - Treated Water Lefavre (mg/L)	2.81	2.75	2.75	2.75	2.76	2.46	2.61	2.6	2.75						2.81	
Min Free Cl2 Resid - Distribution Water Lefavre (mg/L)	2.14	1.82	2.16	1.78	1.96	1.87	1.69	1.66	1.82							1.66
Max Free Cl2 Resid - Distribution Water Lefavre (mg/L)	2.71	2.44	2.58	2.75	2.35	2.16	2.58	2.41	2.29						2.75	
Min Combined Cl2 Resid - Distribution Water Alfred (mg/L)	2.38	2.25	2.17	1.78	2.25	2.02	1.62	1.96	2.06							1.62
Max Combined Cl2 Resid - Distribution Water Alfred (mg/L)	2.78	2.71	2.69	2.67	2.6	2.44	2.59	2.48	2.69						2.78	
Min Combined Cl2 Resid - Distribution Water Plantagenet (mg/L)	1.09	2.1	0.86	1.6	2.16	1.71	1.56	1.57	1.42							0.86
Max Combined Cl2 Resid - Distribution Water Plantagenet (mg/L)	2.82	2.78	2.6	2.68	2.81	2.51	2.59	2.25	2.52						2.82	
Bacti Samples Collected:																
Raw Water (# collected)	5	4	4	5	4	4	5	4	5				40			
Treated Water Lefavre (# collected)	5	4	4	5	4	4	5	4	5				40			
# of TC/EC exceedances - Treated Water Lefavre	0	0	0	0	0	0	0	0	0				0			
Distribution Water Lefavre (# collected)	15	12	12	15	12	12	15	11	15				119			
Distribution Water Alfred (# collected)	5	4	4	5	4	4	5	4	5				40			
Distribution Water Plantagenet (# collected)	15	8	12	15	12	12	15	12	15				116			
# of TC/EC exceedances - Distribution Water Lefavre	0	0	0	0	0	0	0	0	0				0			
# of TC/EC exceedances - Distribution Water Alfred	0	0	0	0	0	0	0	0	0				0			

*New flow meters installed in summer 2019 may lead to temporary discrepancies in flows. These will be adjusted accordingly.

Performance Assessment Report - Wendover Drinking Water System

From : 01/01/2019 to 31/12/2019

	01/2019	02/2019	03/2019	04/2019	05/2019	06/2019	07/2019	08/2019	09/2019	10/2019	11/2019	12/2019	<-Total-->	<-Avg-->	<-Max-->	<-Min-->
Raw Flows:																
Total - Raw Water (m³)	14823	13980	16811	15734	18163	19379	19918	14192	11794				144794			
Avg - Raw Water (m³/d)	478	499	542	524	585.9	645.97	642.52	545.85	491.42					551		
Max - Raw Water (m³/d)	586	593	622	644	870	974	830	664	585						974	
Treated Flows:																
Total - Treated Water (m³)	11958	10657	11582	11161	11864	14846	15580	13371	9716				110735			
Avg - Treated Water (m³/d)	385.74	380.61	373.61	372.03	382.71	494.87	502.58	431.32	404.83					414		
Max - Treated Water (m³/d)	450	429	435	466	569	720	630	541	486						720	
Turbidity:																
Min Turbidity - Filter #1 (NTU)	0.02	0.03	0.02	0.02	0.04	0.02	0.01	0	0							0
Max Turbidity - Filter #1 (NTU)	0.39	0.32	0.19	0.27	0.27	0.29	0.68	0.56	0.58						0.68	
Min Turbidity - Filter #2 (NTU)	0.02	0.15	0.04	0.03	0.03	0.04	0.01	0.03	0.04							0.01
Max Turbidity - Filter #2 (NTU)	0.36	0.43	0.41	0.12	0.28	0.26	0.67	0.68	0.58						0.68	
Min Turbidity - Treated Water (NTU)	0.07	0.06	0.09	0.06	0.12	0.15	0.07	0.03	0.05							0.03
Max Turbidity - Treated Water (NTU)	0.44	0.56	0.4	0.42	0.57	0.37	0.34	0.65	0.07						0.65	
Chemical Parameters:																
Nitrite - Treated Water (mg/L)	<	0.1		<	0.1		<	0.1							<	0.1
Nitrate - Treated Water (mg/L)		0.2		0.4			0.2								0.4	
THM - Distribution Water (µg/l)		45.4		64			53							54.1		
HAA - Distribution Water (µg/l)		39.3		77.2			71.2							62.6		
Chlorine Residuals:																
Min Free Cl2 Resid - Treated Water (mg/L)	1.06	1.76	2.27	1.59	0.89	1.09	0.74	0.54	1							0.54
Max Free Cl2 Resid - Treated Water (mg/L)	2.63	2.69	2.76	2.64	3.58	2.71	3.76	3.74	3.43						3.76	
Min Free Cl2 Resid - Distribution Water (mg/L)	1.07	0.75	1.27	1.28	0.84	0.96	0.81	0.77	0.77							0.75
Max Free Cl2 Resid - Distribution Water (mg/L)	1.69	1.87	2.15	2.00	2.48	1.56	1.01	1.08	1.39						2.48	
Bacteriological Samples Collected:																
# of samples - Raw Water	4	4	4	5	4	4	5	4	5				21			
# of samples - Treated Water	4	4	4	5	4	4	5	4	5				21			
# of TC/EC exceedances - Treated Water	0	0	0	0	0	0	0	0	0				0			
# of samples - Distribution Water	12	12	12	15	12	12	15	12	15				63			
# of TC/EC exceedances - Distribution Water	0	0	0	0	0	0	0	0	0				0			

Performance Assessment Report - Wendover WPCP

From: 01/01/2019 to 31/12/2019

	01/2019	02/2019	03/2019	04/2019	05/2019	06/2019	07/2019	08/2019	09/2019	10/2019	11/2019	12/2019	<--Total-->	<--Avg-->	<--Max-->
Raw Flows:															
Total - Raw Sewage (m³)	12915	11991	17973	26704	19757	16221	16263	13525	12831				148180		
Avg - Raw Sewage (m³/d)	416.61	428.25	579.77	890.13	637.32	540.7	524.61	436.29	427.7					542.38	
Max - Raw Sewage (m³/d)	483	581	755	1565	728	627	593	521	467						1565
Final Effluent Flows:															
Total - Treated Effluent (m³)	10784	10425	16595	23926	18774	15734	15590	16150	15543				143521		
Avg - Treated Effluent (m³/d)	347.87	372.32	535.32	797.53	605.61	524.47	502.9	520.97	518.1					525.01	
Max - Treated Effluent (m³/d)	432	465	834	1385	716	742	638	745	832						1385
Raw Sewage															
# of samples	1	1	1	1	1	1	1	1	1				9		
Avg cBOD5 - Raw Sewage (mg/L)	33	41	89	51	69	50	81	73	72					62.11	89
Avg BOD5 - Raw Sewage (mg/L)	82	67	77	81	75	67	113	73	73					78.67	113
Avg TSS - Raw Sewage (mg/L)	160	184	185	150	175	94	105	105	215					152.56	215
Avg TP - Raw Sewage (mg/L)	4.38	3.28	5.82	4	5.5	4.53	11.8	6.34	9.13					6.09	11.8
Avg TKN - Raw Sewage (mg/L)	32.1	23.8	44	29.7	48.6	37.5	52.8	59	84.6					45.79	84.6
Final Effluent															
# of samples	5	4	4	5	4	4	5	4	4				39		
Avg cBOD5 - Treated Effluent (mg/L)	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3					< 3.00	< 1565
Loading cBOD5 - Treated Effluent (kg/d)	< 1,044	< 1,117	< 1,606	< 2,393	< 1,817	< 1,573	1,509	1,56	1,55					< 1.57	< 2,393
Avg TSS - Treated Effluent (mg/L)	29.6	27.5	21	10.8	11.5	10.75	15.8	20.3	22.5					18.86	29.6
Loading TSS - Treated Effluent (kg/d)	10,297	10,239	11,242	8,61	6,965	5,638	7,946	10,6	11,66					9,765	11,66
Avg TP - Treated Effluent (mg/L)	0.63	0.713	0.708	0.4	0.315	0.255	0.408	0.63	0.72					0.53	0.72
Loading TP - Treated Effluent (kg/d)	0.219	0.265	0.379	3.2	0.191	0.134	0.205	0.33	0.37					0.59	3.2
Avg TAN - Treated Effluent (mg/L)	6.874	5.302	6.032	3.608	2.895	2.208	2.764	6.103	5.09					4.54	6.874
Loading TAN - Treated Effluent (kg/d)	2,391	1,974	3,229	2,877	1,753	1,158	1,39	3,18	5,09					2,56	5,09
Avg NO3-N - Treated Effluent (mg/L)	21.34	14.9	14,675	10,76	14,55	17,4	17,68	13,5	17,9					15,86	21,34
Avg NO2-N - Treated Effluent (mg/L)	< 0.12	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1					< 0.10	< 0.12
Disinfection:															
GMD E. Coli - Treated Effluent (cfu/100mL)	2	2.52	2	1,741	2,828	2	2	2,632	2					2,16	2,828

Performance Assessment Report - Plantagenet Lagoon

From: 01/01/2019 to 31/12/2019

	01/2019	02/2019	03/2019	04/2019	05/2019	06/2019	07/2019	08/2019	09/2019	10/2019	11/2019	12/2019	<-Total-->	<-Avg-->	<-Max-->
Raw Flows:															
Total - Raw Sewage (m³)	20423	16762	25201	41003	27933	21030	19743	18632	19823				103389		
Avg - Raw Sewage (m³/d)	659	599	813	1367	901.06	701	636.87	601.03	660.77					859	
Max - Raw Sewage (m³/d)	709	692	1057	2004	1650	770	679	655	712						2004.00
Raw Sewage															
# of samples	1	1	1	1	1	1	1	1	1				5		
Avg BOD5 - Raw Sewage (mg/L)	287.0	202.0	176.0	57.0	163	277	156	225	324					177.0	
Avg TSS - Raw Sewage (mg/L)	350.0	235.0	155.0	95.0	140	180	120	170	215					195.0	
Avg TP - Raw Sewage (mg/L)	5.0	7.1	4.9	2.3	3.43	4.65	7.71	7.13	7.1					4.5	
Avg TKN - Raw Sewage (mg/L)	41.7	64.8	40.3	19.3	25.4	32.6	58	55.3	56.3					38.3	
Lagoon Effluent															
# of samples				3	5								3		
Avg cBOD5 - Treated Effluent (mg/L)				14.0	11.4									14	
Avg BOD5 - Treated Effluent (mg/L)				15.3	15.2									15.3	
Avg TSS - Treated Effluent (mg/L)				27.3	31.8									27.3	
Avg TP - Treated Effluent (mg/L)				0.7	0.562									0.75	
Avg TAN - Treated Effluent (mg/L)				9.6	5.288									9.6	
Avg NO3-N - Treated Effluent (mg/L)				< 0.1	< 0.16									< 0.1	
Avg NO2-N - Treated Effluent (mg/L)				< 0.1	< 0.1									< 0.1	

Performance Assessment Report - Alfred Lagoon

From: 01/01/2019 to 31/12/2019

	01/2019	02/2019	03/2019	04/2019	05/2019	06/2019	07/2019	08/2019	09/2019	10/2019	11/2019	12/2019	<-Total-->	<-Avg-->	<-Max-->
Raw Flows:															
Total - Raw Sewage (m³)	12316	10896	17622	29656	24303	16017	12787	12199	11457				147253		
Raw Sewage (m³/d)	397.29	389.14	568.45	988.53	783.97	533.9	412.48	393.52	381.9					538.80	
Raw Sewage (m³/d)	518	451	834	1382	1343	636	438	558	394						1382
Raw Sewage															
# of samples - Raw Sewage	1	1	1	1	1	1	1	1	1				9		
Avg cBOD5 - Raw Sewage (mg/L)	151	204	274	141	*	112	150	176	134					167.75	274
Avg TSS - Raw Sewage (mg/L)	190	560	280	200	140	120	160	380	140					241.11	560
Avg TP - Raw Sewage (mg/L)	6.58	7.59	0.97	4.67	3.8	5.39	6.36	8.45	4.17					5.33	8.45
Avg TKN - Raw Sewage (mg/L)	52.7	62.7	8	35.2	30.9	39.8	53.7	62.4	36.9					42.48	62.7
Lagoon Effluent															
# of samples - Treated Effluent				5	4	4	5	4					22		
Avg cBOD5 - Treated Effluent (mg/L)				< 4.8	10.5	< 9.5	3.6	4.8						< 6.64	
Avg TSS - Treated Effluent (mg/L)				13.8	36.5	26.5	9.8	16.5						20.62	
Avg TP - Treated Effluent (mg/L)				0.46	0.952	1.13	0.81	0.84						0.8376	
Avg TKN - Treated Effluent (mg/L)				7.7	9.075	6.6	3.9	3.25						6.105	
Avg NO3-N - Treated Effluent (mg/L)				< 0.1	< 0.425	< 0.125	0.24	0.1						< 0.198	
Avg NO2-N - Treated Effluent (mg/L)				< 0.1	< 0.1	< 0.1	0.1	0.1						< 0.1	

*As per the facility's CoFA, raw wastewater sampling is a quarterly requirement, thus missing the cBOD result in May is not a compliance related parameter.