



May 8, 2013

File: 11868-A

Ashley Parker
Aquatera Utilities Inc.
100-10901 100 ST
GRANDE PRAIRIE AB T8V 2M9

Dear Mr. Johnston:

**RE: Licence under the *Water Act*
For the Purpose of Municipal Use
at NW 24-070-06-W6 from the Wapiti River**

Enclosed is Licence No. 00277161-00-00 authorizing the diversion of up to 14,192,000.0 cubic metres of water annually from the source of water for municipal use for the Aquatera Regional Waterworks System.

The *Water Act* provides a right to appeal this decision. Notice of appeal must be submitted no later than 30 days after receipt of this notice to:

Chair
Environmental Appeals Board
3RD FLOOR, PEACE HILLS TRUST TOWER
10011 – 109 ST
EDMONTON, AB T5J 3S8
Telephone: 780 427-6207
Fax: 780 427-4693

Please notify Environment and Sustainable Resource Development in writing, should there be a change in the ownership of the land to which this licence is attached, or if there is an increase in water use.

If you have any questions, please contact Craig Melin at 780-624-6148.

Sincerely,

Cheryl Tweten
Water Application Coordinator
Regulatory Approvals Centre

Enclosure

cc: Bernd Manz, Aquatera Utilities Inc.
George Neuohr, ESRD
Alina Wolanski, ESRD
Carolyn Pfau, ESRD
Craig Melin, Northern Region, Peace River Office



**LICENCE TO DIVERT WATER
PROVINCE OF ALBERTA
WATER ACT, R.S.A. 2000, c.W-3, as amended**

LICENCE NO.: 00277161-00-00

FILE NO.: 11868-A

PRIORITY NO.: 2011-05-02-003

EFFECTIVE DATE: June 3, 2013

EXPIRY DATE: June 2, 2038

SOURCE OF WATER: Wapiti River

POINT OF DIVERSION: as defined in the attached terms and conditions

POINT OF USE: the Works of Aquatera Utilities Inc. for the

Aquatera Regional Waterworks System

LICENSEE: Aquatera Utilities Inc.

Pursuant to the *Water Act*, R.S.A. 2000, c.W-3, as amended, a licence is issued to the Licensee to:

operate a works to divert up to 14,192,000 cubic metres of water annually at a maximum rate of diversion of 0.867 cubic metres per second from the source of water for the purpose of municipal use for the Aquatera Regional Waterworks System,

subject to the attached terms and conditions.

Designated Director under the Act:


Gary Sasseville

Date Signed: May 3, 2013

DEFINITIONS

- 1.0 All definitions from the Act and the Regulations apply except where expressly defined in this licence.
- 1.1 In all parts of this licence:
- (a) "Act" means the Water Act, RSA 2000, c. W-3, as amended;
 - (b) "Application" means the written submissions to the Director in respect of Application No. 001-00277161 and any subsequent applications for amendments of Licence No. 00277161-00-00;
 - (c) "Aquatera Diversion Works" means the infrastructure in place to divert water from the Wapiti River on the NW 24-070-06-W6, located at *Universal Transverse Mercator (UTM) coordinates Zone/Sector 11 U - Northing 6104696 and Easting 386200*, through the 'Ex. 600 steel intake' referred to in the plan in report 00227490-R001 titled *Existing Site Plan - Figure No. 2.1 in the Aquatera Utilities Inc. Raw Water Supply Study Final Report* prepared by Stantec Consulting Ltd. dated 04 May 2005, referred to as 'New # 3 Intake' in the plan 11868-31 *Site Plan Showing Pumphouse, Intakes & Gravel Bar* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 1 of 4) and referred to in the plan 11868-33 titled *River Intake Structure No. 3* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 3 of 4);
 - (d) "Aquatera Regional Waterworks System" means the waterworks system owned by Aquatera Utilities Inc., operating under *Environmental Protection and Enhancement Act* Approval No. 722-02-00, as amended, that serves the following areas:
 - (i) City of Grande Prairie,
 - (ii) Town of Sexsmith,
 - (iii) Hamlet of Clairmont,
 - (iv) Hamlet of Wedgewood, and
 - (v) expansion areas within the County of Grande Prairie No. 1 as identified in the '*County of Grande Prairie No. 1 2010 Ownership Map*', as amended, prepared by Accurate Assessment Group Ltd. dated November 5, 2010, identified in Plan No. 11868-P035, forming part of the application;

- (e) "Continuous rate" means the water or wastewater flow through equipment that creates an uninterrupted output of flow measurement;
- (f) "Director" means an employee of the Government of Alberta designated as a Director under the Act;
- (g) "Downtime", as referenced in 4.3, means the period of time when equipment is not effectively functioning due to breakdown or any other unscheduled, unforeseen circumstance;
- (h) "Instream objective" is equal to the greater of either:
 - (i) a 15% reduction from natural flow, or
 - (ii) the lesser of either the natural flow or the 80% Exceedance Natural Flow,for the period of time specified;
- (i) "Natural flow" for the purpose of this Licence is the greater of:
 - (i) the rate of flow of water in the Wapiti River, within two kilometres upstream of the point of diversion, when determined by the Licensee; or
 - (ii) is the rate of flow of water in the Wapiti River at the Water Survey of Canada Station No. 07GE001; or
 - (iii) an estimate of the rate of flow of water in the Wapiti River provided by the Director.
- (j) "Point of diversion" means the raw water intake at the actual point of water removal from the Wapiti River through the Aquatera Diversion Works;
- (k) "Point of return" means the '600 effluent outfall' in the Wapiti River located in the NW 24-070-06 W6M, located at *Universal Transverse Mercator (UTM) coordinates Zone/Sector 11 U – Northing 6104849 and Easting386498*, as referred to in the plan in report 00227490-R001 titled *Existing Site Plan - Figure No. 2.1* in the *Aquatera Utilities Inc. Raw Water Supply Study Final Report* prepared by Stantec Consulting Ltd. dated 04 May 2005 and referred to in the plan 11868-28 titled *City of Grande Prairie Wastewater Treatment Project Effluent Outfall Line and Water Intake - Effluent Outfall Structure Details Revision No. 2/5* prepared by Stanley Associates Engineering Ltd. dated July, 1982;

- (l) "Point of use" means the areas in which the diverted water is used by the Licensee for the licensed purposes that are served by the Aquatera Regional Waterworks System;
- (m) "Rate of diversion" means the rate at which water is diverted from the source of water, measured at the raw water pump station pipeline to the water treatment plant at the Aquatera Utilities Inc. Water/Wastewater Treatment Facility;
- (n) "Rate of return" means the rate at which treated wastewater is returned directly to the Wapiti River via a pipeline and diffuser, measured cumulatively from both the:
 - (i) treated plant effluent lagoon well at the Aquatera Utilities Inc. Water/Wastewater Treatment Facility, or
 - (ii) final storage lagoon at the Aquatera Utilities Inc. Water/Wastewater Treatment Facility;
- (o) "Regulations" means the regulations, as amended, enacted under the authority of the *Act*;
- (p) "Service population" means the water user population within the City of Grande Prairie, Town of Sexsmith, Hamlet of Clairmont, Hamlet of Wedgewood and County of Grande Prairie No. 1 subdivisions and rural residential developments obtained from:
 - (i) the census data from the current Municipal Affairs Population List published on the Government of Alberta Municipal Affairs web site; or
 - (ii) the Licensee providing an estimate of the population that is accepted in writing by the Director;
- (q) "Treated wastewater" means the treated wastewater discharged from the Aquatera Utilities Inc. Water/Wastewater Treatment Facility, located at 5306 100 Street, within the SE 11-071-06-W6, within the City of Grande Prairie, to the point of return;
- (r) "Water Use Reporting System" means the secure internet website provided by Alberta Environment and Sustainable Resource Development at <http://www.environment.alberta.ca/1286.html> for submitting measuring and monitoring results electronically to the Director; and
- (s) "80% exceedance natural flow" means the rate of water flow in the Wapiti River such that the mean weekly historical rates of flow exceed the calculated value 80% of the time specified and is set out in Schedule 1 for the periods of time specified.

GENERAL

- 2.0 The Licensee shall immediately report to the Director by telephone any contravention of the terms and conditions of this licence at 780-422-4505.
- 2.1 The terms and conditions of this licence are severable. If any term or condition of this licence is held invalid, the application of such term or condition to other circumstances and the remainder of this licence shall not be affected thereby.
- 2.2 The Licensee shall not deposit or cause to be deposited any substance in, on or around the source of water that has or may have the potential to adversely affect the source of water.
- 2.3 The licensee shall comply with the terms and conditions of the "Water Use Reporting System User Consent".

DIVERSION OF WATER

- 3.0 This licence is appurtenant to the following undertakings:
- (a) the diversion works at the actual point of intake through the Aquatera Diversion Works;
 - (b) the water supply pipeline referred to in *Figure No. 2.2 - Raw Water Pipeline Upgrade Phases* located in report 00227490-R001 titled *Aquatera Utilities Inc. Raw Water Supply Study Final Report* prepared by Stantec Consulting Ltd. dated 04 May 2005 to move water from the Wapiti River to the Aquatera Utilities Inc. Water/Wastewater Treatment Facility between the NW 24-070-06-W6 and SE 11-071-06-W6, forming part of the application; and
 - (c) the water distribution network in association with the Aquatera Regional Waterworks System.
- 3.1 The Licensee shall divert water only for the purpose specified in this licence.
- 3.2 The Licensee shall divert water only from the source of water specified in this licence.
- 3.3 The Licensee shall divert water only from the Point of Diversion.
- 3.4 The Licensee shall divert the water only to the Point of Use.

- 3.5 The works used to divert the water authorized by this licence shall include, at a minimum, all of the following:
- (a) the pipeline referred to as 'Ex. 600 steel intake' in the plan in report 00227490-R001 titled *Existing Site Plan - Figure No. 2.1* dated January 2005, in the *Aquatera Utilities Inc. Raw Water Supply Study Final Report* prepared by Stantec Consulting Ltd. dated 04 May 2005, referred to in the plan 11868-31 - 'New # 3 Intake' in the plan titled *Site Plan Showing Pumphouse, Intakes & Gravel Bar* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 1 of 4) and referred to in the plan 11868-32 - *Profile of 0+00 Grid Line from Pumphouse to S. Side of Wapiti River* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 2 of 4), forming part of the Application; and
 - (b) the intake structure referred to in the plan 11868-33 - *River Intake Structure No. 3* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 3 of 4) and referred to in the plan 11868-34 - *Details Water Intake #3, Caisson* prepared by the City of Grande Prairie dated October 28, 1987 (Sheet No. 4 of 4), located at *Universal Transverse Mercator (UTM) coordinates Zone/Sector 11 U - Northing 6104696, Easting 386200*, forming part of the Application.
- 3.6 Subject to 3.8, 3.9, 3.17 and 4.0, the Licensee shall not divert more than:
- (a) 9,000,000 cubic metres of water in any year when the service population is up to 75,000 people; or
 - (b) 11,500,000 cubic metres of water in any year when the service population is between 75,001 to 100,000 people; or
 - (c) 14,192,000 cubic metres of water in any year when the service population is greater than 100,001 people up to an estimated maximum service population of 136,675 people.
- 3.7 The Director may amend 3.6 based on a written request submitted by the Licensee to the Director along with supporting information explaining the volume of water currently being utilized for various purposes under this licence, and the need for a larger volume of water based on actual billing data, including, but not limited to, residential users, commercial users, and industrial users, truck fill loading stations, etc.
- 3.8 When reaching at least 90% of the water diversion volume of the service population in 3.6(a) or 3.6(b), the Licensee shall submit a written request to the Director requesting a transition to the next diversion volume along with reasons for the request, including:
- (a) the estimated service population;

- (b) breakdown of the volume of water currently being utilized for various purposes under this licence, based on current billing, including, but not limited to, residential use, commercial use, industrial use, truck fill loading stations; and
- (c) any other information required in writing by the Director.
- 3.9 The Licensee shall not transition from the diversion volumes in 3.6(a) to 3.6(b) or 3.6(b) to 3.6(c) without first obtaining the written authorization of the Director.
- 3.10 The Licensee shall not divert water, pursuant to this licence, at a rate of diversion greater than 0.867 cubic metres per second.
- 3.11 If the Licensee is diverting water from this and other licences concurrently, the Licensee shall not divert water under this or any other licence:
- (a) at a cumulative rate of diversion greater than 1.303 cubic metres per second, or
- (b) at a rate of diversion greater than the licensed rate as specified below:

Water Licence	Diversion Volume (cubic metres)	Maximum Licensed Rate of Diversion (cubic metres per second)
<i>Water Resources Act</i> Licence No. 12114 (Approval ID 00038080)	7,278,600	0.436
<i>Water Act</i> Licence No. 00277161-00-00 (Approval ID 00277161)	14,192,000	0.867
TOTAL	21,470,600	1.303

- 3.12 The Licensee shall maintain the meters at each of the following locations:

- (a) the point of diversion for this licence and all other points of diversion from *Water Resources Act* Licence No. 12114 so the volume of diversion can be measured concurrently; and

- (b) the point of return for this licence which includes the following treated wastewater discharge sources:
 - (i) pipeline leaving the treated plant effluent lagoon well located at the Aquatera Utilities Inc. Water/Wastewater Treatment Facility, and
 - (ii) pipeline leaving the final storage lagoon located at the Aquatera Utilities Inc. Water/Wastewater Treatment Facility,

both release into a pipeline which discharges into the Wapiti River.

3.13 The meters in 3.12 must measure on a continuous basis:

- (a) cumulatively, the quantity of all water diverted at the locations in 3.12(a);
- (b) cumulatively, the quantity of treated wastewater returned to the Wapiti River at the locations in 3.12(b);
- (c) the instantaneous rate of diversion at each location in 3.12(a); and
- (d) the instantaneous rate of return at each location in 3.12(b).

3.14 The Licensee shall:

- (a) calibrate; and
- (b) maintain

each measuring device referred to in 3.12 and 3.13 in accordance with manufacturer's specifications.

3.15 During the diversion of water pursuant to this Licence, the Licensee shall:

- (a) determine the natural flow:
 - (i) on a weekly basis at a minimum,

(ii) using one of the following methods:

- (A) by obtaining the Water Survey of Canada Station No. 07GE001 rate of flow data available on the Alberta Environment and Sustainable Resource Development website; or
- (B) by obtaining the rate of flow of water value from the Director, when the Water Survey of Canada Station No. 07GE001 is not recording natural flows and if the Director has such data; or
- (C) by an alternate method authorized in writing by the Director, as requested by the Licensee or determined by the Director;

and

(b) calculate the instream objective on a weekly basis.

3.16 The Director may amend this licence to change the instream objective or the 80% Exceedance Natural Flow values in Schedule 1 upon a minimum of 12 months written notice to the Licensee.

3.17 The Licensee shall divert water authorized by this licence only when the natural flow passing the point of diversion meets or exceeds the instream objective while water is being diverted under:

- (a) this licence; or
- (b) *Water Resources Act Licence No. 12114*; or
- (c) both.

3.18 At all times when water is being diverted pursuant to 3.17, the Licensee shall:

- (a) maximize the return of treated wastewater to the Wapiti River or other water bodies in accordance with the terms and conditions of approvals issued under the *Environmental Protection and Enhancement Act* for the specific communities covered by those approvals; and
- (b) return a total monthly volume of treated wastewater equal to or greater than 50% of the total monthly volume of water diverted pursuant to this licence, to the Wapiti River.

- 3.19 The treated wastewater referred to in 3.18 does not include treated wastewater that is diverted elsewhere pursuant to an authorization issued under the *Water Act*.

CONDITIONS FOR DIVERSIONS WHEN NATURAL FLOW IS BELOW THE INSTREAM OBJECTIVE

- 4.0 Notwithstanding 3.17, the Licensee shall not divert water when the natural flow passing the point of diversion is less than the instream objective, unless water is diverted at or less than the rate of diversion determined under 4.1.

- 4.1 Notwithstanding 3.17, the Licensee shall not divert greater than 5% of the natural flow, cumulatively under *Water Resources Act Licence No. 12114* and this licence, when the natural flow passing the point of diversion is less than the instream objective while water is being diverted under:

(c) *Water Resources Act Licence No. 12114* or

(d) this licence, or

(e) both licences.

- 4.2 When diverting water pursuant to 4.0 and 4.1, the Licensee shall:

(a) continuously return treated wastewater to the Wapiti River at the point of return;

(b) at a rate of return equal to or greater than 100% of the rate of diversion pertaining to Licence No. 00277161-00-00, as amended or renewed, except for instances in 4.3.

- 4.3 Condition 4.2 does not apply:

(a) when the requirements in 4.2(a) and 4.2(b) are not met for no more than 12 consecutive hours because of downtime, or

(b) during construction of the new wastewater treatment plant for a specified time, with:

(i) prior notification to the Director, a minimum of one week prior to the treated wastewater release being interrupted, and

(ii) authorized in writing by the Director, or

- (c) major equipment upgrades or replacement for a specified time, with:
 - (i) prior notification to the Director, a minimum of one week prior to the work being undertaken, and
 - (ii) authorized in writing by the Director.

MONITORING AND REPORTING

5.0 Unless otherwise authorized in writing by the Director, the Licensee shall:

- (a) measure the total volume of water diverted each day using the meter specified in 3.12;
- (b) measure the total volume of water diverted each month using the meter specified in 3.12;
- (c) measure the rate of diversion on a continuous basis using the meter specified in 3.12;
- (d) measure the total volume of treated wastewater returned directly to the Wapiti River each day using the meter specified in 3.12;
- (e) measure the total volume of treated wastewater returned directly to the Wapiti River each month using the meter specified in 3.12;
- (f) measure the rate of return of treated wastewater returned directly to the Wapiti River on a continuous basis using the meter specified in 3.12;
- (g) determine or measure the natural rate of flow in the Wapiti River:
 - (i) at the Water Survey of Canada Station No. 07GE001 on a weekly basis when operating,
 - (ii) by obtaining the weekly value from the Director when the Water Survey of Canada Station No. 07GE001 is not operating, or
 - (iii) by an alternate method authorized in writing by the Directorduring diversion; and

- (h) record on a weekly basis which licence, or combination of licences, the diversion of water is being undertaken from the Wapiti River at the point of diversion.

5.1 When diverting water pursuant to 4.0, the Licensee shall:

- (a) measure the total volume of water diverted each hour using the meter specified in 3.12;
- (b) measure the total volume of treated wastewater returned directly to the Wapiti River each hour using the meter specified in 3.12; and
- (c) calculate the maximum instantaneous difference between the rate of diversion and rate of return on an hourly basis.

5.2 The Licensee shall:

- (a) record; and
- (b) retain

all of the following information for a minimum of 5 years after being collected:

- (i) the place, date and time of all monitoring and measuring,
- (ii) the results obtained pursuant to 5.0 and 5.1, and
- (iii) the name of the individual who conducted the monitoring, measuring and sampling stipulated in (i) and (ii).

5.3 The Licensee shall report to the Director the results of the measuring and monitoring required in:

- (a) 5.0(a), 5.0(b), 5.0(d), 5.0(e), 5.0(h), and
- (b) when diverting water pursuant to 4.0, also 5.1 (a), 5.1 (b) and 5.1 (c)

using the "Water Use Reporting System" and any other information required in writing by the Director.

5.4 The Licensee shall submit the report required in 5.3 to the Director on or before the end of the month following the month in which the information is based upon was collected.

5.5 At all times when:

- (a) diverting water pursuant to 4.0 to 4.3; and
- (b) continuous treated wastewater return flow ceases for water diverted under this licence

the Licensee shall compile a Low Flow Pump Inoperable Report which shall include, at a minimum, all of the following information:

- (i) the identification of the final effluent pump(s) and/or lagoon pump(s) being shut down;
- (ii) the time and duration the final effluent pump(s) and/or lagoon pump(s) were shut down;
- (iii) the reason for the treated wastewater return flow ceasing;
- (iv) what action was taken to prevent this from occurring again;
- (v) the monitoring and reporting information collected in 5.1; and
- (vi) any other information required in writing by the Director.

5.6 The Licensee shall submit the Low Flow Pump Inoperable Report to the Director on or before the end of the month following the month in which the incident occurred unless otherwise authorized in writing by the Director.

5.7 If the Low Flow Pump Inoperable Report is found deficient by the Director, the Licensee shall correct all deficiencies identified in writing by the Director, within the timeline specified in writing by the Director.

REGIONAL WATERWORKS EXPANSION PLANS

6.0 At least 90 days prior to adding the following to the Aquatera Regional Waterworks System:

(a) a Town; or

(b) a Hamlet;

the Licensee shall notify the Director in writing of the proposed expansion areas.

6.1 The Licensee shall obtain a Letter of Authorization from the Director prior to connecting the Aquatera Regional Waterworks System to additional Towns or Hamlets.

6.2 The Licensee shall provide any additional information requested by the Director following receipt of the notification in 6.0.

6.3 The Licensee shall provide a map to the Director showing the water service areas by the following dates:

(a) June 1, 2015;

(b) June 1, 2020;

(c) June 1, 2025;

(d) June 1, 2030; and

(e) June 1, 2035.

INTAKE RELOCATION PROPOSAL

7.0 On or before December 31, 2014, the Licensee shall assess the need to upgrade, enhance or construct a new raw water intake at the point of diversion in the Wapiti River.

7.1 Based on the information gathered pursuant to 7.0 the Licensee shall prepare an Intake Relocation Proposal report to the Director outlining the options of relocating the raw water intake at the point of diversion closer to the Licensee's point of return.

7.2 The Intake Relocation Proposal report in 7.1 shall include an engineering assessment outlining various design options of:

- (a) returning the treated wastewater to the Wapiti River at the closest practical point downstream of the point of diversion; or
- (b) relocating the raw water intake closer to the effluent outfall location to assess, at a minimum, all of the following information:
 - (i) to minimize any potential habitat loss from the withdrawal of water under:
 - (A) *Water Resources Act* Licence No. 12114, or
 - (B) this licence, or
 - (C) both licences;
 - (ii) so it will not threaten contamination of the Wapiti River water supply for this licence or other licensees on the Wapiti River; and
 - (iii) any other information required in writing by the Director.

7.3 The Licensee shall submit two copies of the Intake Relocation Proposal report to the Director on or before December 31, 2014.

7.4 If the Intake Relocation Proposal report is found deficient by the Director, the Licensee shall correct all deficiencies as outlined in writing by the Director within 120 days of the deficiency letter.

WATER CONSERVATION PROGRAM

8.0 The Licensee shall prepare an Annual Water Conservation Plan every calendar year.

8.1 The Licensee's Water Conservation Plan shall include, at a minimum, all of the following information:

- (a) seasonal methods and strategies to reduce water usage when the Wapiti River natural flow is greater than the instream objective at the point of diversion;

- (b) seasonal methods and strategies to reduce water usage when the Wapiti River natural flow is less than the instream objective at the point of diversion;
 - (c) public education plan;
 - (d) performance measures; and
 - (e) any other information required in writing by the Director.
- 8.2 The Licensee shall implement the initiatives of the most recent Water Conservation Plan unless otherwise authorized in writing by the Director.
- 8.3 The Licensee shall submit a Water Conservation Summary Report:
- (a) on or before February 28th of each year following the year in which the information on which the report is based was collected; or
 - (b) within a time period specified by the Director.
- 8.4 The Water Conservation Summary Report shall include, at a minimum, all of the following information:
- (a) results of implementing the Water Conservation Plan in the previous year;
 - (b) Water Conservation Plan details of the previous year; and
 - (c) any other information required in writing by the Director.

AQUATIC HEALTH OF THE WAPITI RIVER

- 9.0 If at any time the Director determines that the aquatic environment of the Wapiti River is or will be adversely effected by the Licensee's operations, the Director may amend this Licence on his own initiative as outlined below:
- (a) amend conditions 3.17, 4.0, 4.1, 4.2, 4.3 and 4.4 as appropriate to mitigate potential or actual adverse effects;

- (b) by informing the Licensee in writing of any proposed licence amendments; and
- (c) allowing the Licensee up to six months to implement the licence amendments requested by the Director.

WATER MANAGEMENT PLAN FOR THE WAPITI RIVER

10.0 The Licensee shall participate as a stakeholder in the development of the Wapiti River Water Management Plan including, at a minimum, all of the following:

- (a) providing financial support;
- (b) in-kind support;
- (c) scientific guidance; and
- (d) general input to Alberta Environment and Sustainable Resource Development in cooperation with other stakeholders of the Wapiti River Water Management Plan.

10.1 Within one year of completion of any Water Management Plan for the Wapiti River, the Licensee shall submit a complete application for a licence amendment indicating:

- (a) how they will implement the recommendations of the Water Management Plan, including meeting the instream objective conditions, included but not limited to, Schedule 1 and the section titled 'Conditions for Diversions when Natural Flow is Below the Instream Objective';
- (b) a proposed implementation timeline; and
- (c) providing any other information requested in writing by the Director

to ensure diversions of water from the source of water are in accordance with the Wapiti River Water Management Plan.

WAPITI RIVER MONITORING AND MITIGATION APPROACH PROGRAM

11.0 The Licensee shall prepare the Wapiti River Long Term Monitoring Program which looks at a long term monitoring program for the Wapiti River and to monitor the cumulative effects operations have on the water quality and aquatic ecosystem health.

- 11.1 The Approval holder shall submit the Wapiti River Long Term Monitoring Program proposal to the Director for approval, on or before December 31, 2014, unless authorized in writing by the Director.
- 11.2 If the Wapiti River Long Term Monitoring Program proposal is found deficient by the Director, the Licensee shall correct all the deficiencies as outlined by the Director within 120 days of the deficiency letter.
- 11.3 The Licensee shall implement the Wapiti River Long Term Monitoring Program proposal as authorized in writing by the Director.

COMPLAINT INVESTIGATION

12.0 The Licensee shall:

- (a) investigate all written complaints accepted by the Director relating to allegations of surface water and groundwater interference as a result of the diversion of the water or operation of the works; and
- (b) provide a written report to the Director, within a time specified in writing by the Director, detailing the results of the investigation relating to the complaint accepted by the Director in 12.0(a).
- 12.1 The Licensee shall satisfy the Director that the report submitted pursuant to 12.0(b) has identified remedial and/or mitigative measures relating to the alleged interference.

Date Signed: May 3, 2013



Designated Director under the Act
Gary Sasseville

SCHEDULE 1

**Aquatera Regional Waterworks System
 80% Exceedance Natural Flow**

Week	80% Exceedance Natural Flow (cubic meters per second)	Week	80% Exceedance Natural Flow (cubic meters per second)
01-Jan to 07-Jan	10.97	02-Jul to 08-Jul	131.18
08-Jan to 14-Jan	10.42	09-Jul to 15-Jul	106.32
15-Jan to 21-Jan	10.40	16-Jul to 22-Jul	75.02
22-Jan to 28-Jan	10.05	23-Jul to 29-Jul	67.55
29-Jan to 04-Feb	9.64	30-Jul to 05-Aug	57.17
05-Feb to 11-Feb	9.67	06-Aug to 12-Aug	54.04
12-Feb to 18-Feb	9.42	13-Aug to 19-Aug	47.33
19-Feb to 25-Feb	9.15	20-Aug to 26-Aug	40.81
26-Feb to 04-Mar	9.08	27-Aug to 02-Sep	35.93
05-Mar to 11-Mar	9.01	03-Sep to 09-Sep	37.63
12-Mar to 18-Mar	9.35	10-Sep to 16-Sep	34.46
19-Mar to 25-Mar	9.44	17-Sep to 23-Sep	32.23
26-Mar to 01-Apr	9.53	24-Sep to 30-Sep	29.91
02-Apr to 08-Apr	11.96	01-Oct to 07-Oct	29.66
09-Apr to 15-Apr	16.54	08-Oct to 14-Oct	30.84
16-Apr to 22-Apr	31.16	15-Oct to 21-Oct	31.74
23-Apr to 29-Apr	57.13	22-Oct to 28-Oct	33.20
30-Apr to 06-May	94.63	29-Oct to 04-Nov	29.50
07-May to 13-May	109.71	05-Nov to 11-Nov	23.09
14-May to 20-May	162.87	12-Nov to 18-Nov	20.68
21-May to 27-May	176.31	19-Nov to 25-Nov	16.67
28-May to 03-Jun	220.49	26-Nov to 02-Dec	16.35
04-Jun to 10-Jun	245.97	03-Dec to 09-Dec	13.96
11-Jun to 17-Jun	193.97	10-Dec to 16-Dec	14.18
18-Jun to 24-Jun	175.31	17-Dec to 23-Dec	12.71
25-Jun to 01-Jul	146.43	24-Dec to 31 Dec	11.74