



100. Authorization to Operate Fire Hydrants

- a. Withdrawal of water from a fire hydrant for any purpose other than firefighting is prohibited, unless expressly authorized in writing by Tsuut'ina Nation Public Works (TNN-PW). TNN-PW may provide temporary authorization for the withdrawal of water from fire hydrants for construction purposes (such as dust control, grading, soil compaction and the construction of new landscapes prior to the issuing of a Final Acceptance Certificate), but not for irrigation purposes. The Contractor must contact TNN-PW to obtain a Hydrant Connection Unit (within this Section 100 referred to as "HCU") at the contact information set out in this document.
- b. If TNN-PW authorizes the use of a HCU by the Contractor, the Contractor must:
 - i. enter into a HCU rental agreement with **TNN-PW** and obtain a fire hydrant use permit;
 - ii. comply with all provisions of applicable Tsuut'ina Nation's Laws (as approved and amended) and the fire hydrant use permit, and pay any related deposits or fees;
 - iii. use only water from a fire hydrant for which the HCU rental agreement and permit is granted; and
 - iv. ensure that the HCU is properly connected to the fire hydrant and that the water meter is functioning at all times when water is being withdrawn through it.
 - v. If the Contractor uses the fire hydrant improperly or for a use not authorized under the HCU rental agreement, TNN-PW, in its sole discretion, may:
 1. cancel the HCU rental agreement;
 2. cancel the fire hydrant use permit;
 3. seek costs, and set off such costs against amounts owed under this Agreement, from the Contractor for damage caused by improper use of the fire hydrant, including, but not limited to:
 4. repairs to a fire hydrant or water main damaged by the Contractor; and
 5. repairs to any property of **TNN-PW** or to the property of third parties, including repairs made necessary because of a water main break as a result of improper use of the hydrant.
 - vi. **TNN-PW** may provide training for operation of fire hydrants to the Contractor at no cost if the Contractor makes a request, in writing, to **TNN-PW** for such training.
 - vii. The Contractor may also make application to **TNN-PW** for the purchase of bulk water for construction or other, non-fire, purposes by contacting **TNN-PW** at the contact information set out in this document.

101. Permission to Use Water for Construction

Water for "construction purposes" includes water required for dust control, grading and compaction purposes required in utility and road construction. It includes water used for the construction of new landscapes prior to the FAC and excludes water used for irrigation systems.

Authorized hydrant users must connect with an appropriate Hydrant Connection Unit (HCU)



when withdrawing water from a hydrant.

This may be either a Backflow and Meter Assembly (BMA) unit or a Meter Assembly (MA) unit with an approved air gap as detailed on Std. Dwg. 100.1001.001, Sheet #PW-1.

These units are available on a rental basis from Water Services as detailed in the "Notice to Hydrant Users" (latest edition).

The use and operation of any HCU shall be governed by Clause _____ of **TNN-PW** Standard General Conditions (latest edition).

Except for the below noted exceptions, all water taken from a hydrant shall pass through a HCU (Hydrant Connection Unit):

1. A hydrant connection used for fire fighting.
2. A hydrant connection used for flushing and chlorinating water main and water services. The minimum backflow protection shall be an Atmospheric Vacuum Breaker (AVB) which must not be in continuous operation for more than 12 hours. The AVB must be installed downstream of the last valve in such a manner that the AVB and hose connection are exposed to the atmosphere.

Development and Commercial Use

The Commercial customer or their authorized representative shall enter into a rental agreement with **TNN-PW** and pay the applicable deposits as detailed in the "Notice to Hydrant Users" (latest edition).

Commercial customers using construction water under a Servicing Agreement with the **Tsuut'ina Nation Civic Services (TNN-CS)** must use a HCU when taking water from the designated hydrant(s).

Prior to the issuance of the Final Completion Certificate (FAC) for water main, hydrants and service connections, the Developer, or their authorized representative, will pay for all associated costs including rental, damage, inspection and consumption fees.

The Developer is responsible to ensure the use of fire hydrants by all personnel engaged in the construction and maintenance of the subdivision is consistent with these requirements.

When permission is granted, a small diameter (i.e. 20 mm or 25 mm) connection from a designated hydrant may be permitted to fill an onsite storage tank. The 20mm or 25mm connection may run continuously to fill the tank and meet the contractor's requirements.

Use Restrictions

Hydrants shall not be used to fill vessels that contain chemical(s) or to which chemical(s) will be added.

No temporary connection shall be made to any hydrant on a closed looped system, (i.e. no



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206, 5 Richard Way SW
Calgary, AB T3E 7M8
403.258.4016
tazadevelopment@tsuutina.com

reservoir on the system) without the approval of the Engineer. The intermittent use of hydrants in a closed loop system may cause excessive pump cycling resulting in motor failure, increased energy costs and potential loss of water service for domestic use and/or fire protection use. The maximum flow rate that may be drawn from the hydrant for flushing shall be determined and approved by the Engineer

