First Nations Health Authority
Health through wellness

# Submission for Water Distribution Modifications

Water system: Date:

Project name:

Submitted by:

Representing:

Address:

Telephone(s): E-mail:

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Describe proposed works*:

Location (choose all that apply): ☐ Nation-owned, on-reserve ☐ Nation-owned, off-reserve ☐ CP ☐ Private ☐ Other

Funding: ☐ ISC ☐ Nation ☐ External ☐ Other Anticipated start date:

* List length of each pipe size, class, type – e.g. *80m of 100mm ø C-900 DR18 PVC watermain*

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**Modified Distribution System**

☐ Watermain replacement ☐ Watermain extension ☐ Other (specify):

| | | | |
|---|---|---|---|
| Existing serviced lots: | New hydrants: | New air valves: | New PRVs: |
| Newly serviced lots: | New gate valves: | New blow-offs: | New flow meters: |

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| | |
|---|---|
| Will the new main be flushed, pressure tested, and disinfected? | ☐ Yes ☐ No ☐ Unknown |
| Do all watermains have 3 metres ***horizontal separation*** from sewers and ditches? If NO, propose protection measures on plans and complete **Schedule A or B**. | ☐ Yes ☐ No ☐ Unknown |
| At sewer/storm crossings, and wherever 3 m ***horizontal separation*** is not possible, are all watermains at least 450 mm (18 inches) ***above***? If NO, propose protection measures on plans and complete **Schedule A or B**. | ☐ Yes ☐ No ☐ Unknown |
| Will all *service connections* meet these separation guidelines? | ☐ Yes ☐ No ☐ Unknown |
| Do drains, blow-offs or hydrants permit flushing at low points and dead-ends? | ☐ Yes ☐ No ☐ Unknown |
| Does the location of valves permit effective flushing? | ☐ Yes ☐ No ☐ Unknown |
| Do valves, hydrants or services provide air relief at high points? | ☐ Yes ☐ No ☐ Unknown |

**Schedule A: Conflicts** (See larger table on following page and refer to the *Guideline: Sewer-Watermain Conflicts* for details.)

| # | Street name | Station | Conflict | | Horizontal separation (m) | Vertical separation (mm) *c* | Proposed protective measures |
|---|---|---|---|---|---|---|---|
| | | | Contam *a* | Type *b* | | | |
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

*a* Contaminants: **S** = sanitary, **D** = stormwater or drainage, **C** = combined or grey, **O** = other liquid, **F** = forcemain, **G** = gravity
*b* Types: **X** = crossing, **1** = parallel lines in common trench, **2** = parallel lines in separate trenches
*c* Vertical separation = elevation of bottom of water – elevation of top of *contaminant* (<0 if contaminant is above water)

**Submission Package:**

| **Supporting document checklist:** | **Enclosed** |
|---|---|
| Cover letter (e.g., to explain the context of your Submission) | ☐ |
| **Plans and Drawings:** (11x17 or 8½x11 preferred, pdf accepted) | ☐ |
| 1. Location map (regional setting, including communities, lakes, rivers, roads, etc.)<br>» "how to get there" | ☐ |
| 2. Site plan (intake, treatment, storage tanks, watermains, valves, hydrants, clean-outs,<br>– include contaminant sources like sanitary sewers, lagoons, tanks, etc. on this plan.) | ☐ |
| List any additional plans, drawings, reports, etc. below: | |
| | ☐ |
| | ☐ |

Please scan and e-mail the submission package along with any questions to:
**Your local FNHA Environmental Health Officer** and/or a provincial FNHA Public Health Engineer: phe@fnha.ca

Please allow a minimum of 15 days for review of Water Distribution Modifications. The works may be inspected by First Nations Health Authority staff during or following construction if requested by the First Nation.

**Schedule B: More Conflicts** (Refer to the Guideline: Sewer-Watermain Conflicts for details.)

| # | Street name | Station | Conflict | | Horizontal separation (m) | Vertical separation (mm) *c* | Proposed protective measures |
|---|---|---|---|---|---|---|---|
| | | | Contam *a* | Type *b* | | | |
| **1.** | | | | | | | |
| **2.** | | | | | | | |
| **3.** | | | | | | | |
| **4.** | | | | | | | |
| **5.** | | | | | | | |
| **6.** | | | | | | | |
| **7.** | | | | | | | |
| **8.** | | | | | | | |
| **9.** | | | | | | | |
| **10.** | | | | | | | |
| **11.** | | | | | | | |
| **12.** | | | | | | | |

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