

PRIVATE PROPERTY PROGRAM QUESTIONNAIRE

The Water Environment Federation® (WEF®), through its Collection System Committee (CSC), is interested in documenting information pertaining to successfully operating programs for work performed on the privately-owned portion of the wastewater lateral line; e.g., building service connection. We are collecting policy descriptions, enabling resolutions or ordinances, funding details, public education/information materials, standard design or construction details, etc., for programs that have proven to be successful. By participating in this questionnaire, you are agreeing that your information may be added to the Private Property Virtual Library (PPVL), an on-line database on WEF®'s website (www.wef.org/PrivateProperty). The PPVL is intended to be a resource for other wastewater utilities seeking information or advice about private property programs.

While we are interested in "planned" programs, we want to first concentrate on programs demonstrated to be effectively implemented. Planned programs will be included in the PPVL after the program has been implemented and actual experience with the program is available. Program descriptions of private lateral programs that were previously implemented, but considered "failed" or only "partially successful," will be included as a "lessons learned" component of the PPVL if the reasons for the problems with the program are identified.

When starting the PPVL program, the initial questionnaire was designed to be an "interview-type" questionnaire. This second version of the PPVL Questionnaire has been revised and re-formatted to serve as a "mail-out" questionnaire. Upon completion of the questionnaire by participating utilities, a CSC representative may, if needed, conduct a follow-up telephone interview to confirm or clarify the information provided.

1. General Information

Date: Aug 25, 09
 Utility Name: City Of Edmonton Drainage Services
 Street Address: 9803 102A Ave
 Mailing Address: 6th Floor Century Pl
 City: Edmonton State: Alberta Zip Code: T5J 3A3
 Agency Website Address: www.edmonton.ca EPA Region: _____
 Contact Name: Andy Bowen Title: Director, Drainage Operations
 Telephone: 780-496-2898 E-mail: andy.bowen@edmonton.ca

Utility Characteristics:

800,000 Number of customers (i.e. approximate population served)
207,337 Number of taps (i.e. approximate number of connection points)
1851 Total miles of public sanitary sewers (separated and combined sewers)
582 Miles of public combined sewers (sanitary only, not including storm sewers) *Estimate % of system that is combined if total miles is unavailable or unknown*

Are basements (thus potential sump pump connections) typical in your area? Yes No
 Utility type: Government Special purpose district Private utility Other: _____

2. Lateral Definition

Private Lateral Definition: (Check definition that best applies.)

Building to ROW/Easement Line Only
Please note if/how utility treats laterals in easements differently than laterals in ROWs: _____

Building to Tap on Sewer Main Line
 Other (specify details): Property line to building.
Please note if/how utility treats residential building laterals differently than commercial building laterals – this may affect responses to subsequent questions: _____

Cleanouts: (Check all that apply.)

| Required | Usually Exists | |
|-------------------------------------|-------------------------------------|-------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | At building |
| <input type="checkbox"/> | <input type="checkbox"/> | At ROW |
| <input type="checkbox"/> | <input type="checkbox"/> | At easement |

When completing public sewer rehabilitation, does your utility include rehabilitation for the following elements? (Check all that apply. If "Yes", define ownership – "Public" or "Private".)

- Lateral tie-in to public (i.e. the sewer connection) Yes No Public Private
Lower lateral (i.e. connection to the ROW) Yes No Public Private
Upper lateral (i.e. ROW to the house) Yes No Public Private

3. Private Property Program Description

Check all that apply and describe the program as appropriate. (Note it is not necessary to complete each item under this section. For example, most utilities have some type of "New Connection Permitting" and "New Connection Enforcement Mechanisms". Only include those programs in this questionnaire if your utility has a particular successful program that other utilities may want to emulate.)

Private Lateral Maintenance (e.g. cleaning, root control, etc.)

Implementation Information:

- Implementation Date: (Responsibility of the owner)
- Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____
- Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): _____

Program Funding Information:

- Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- Funding description: _____
- Describe any special program to assist customers who may have difficulty paying the required fees.

Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____
- Construction description: _____
- Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

Lateral Repair (e.g. point repairs, etc.)

Implementation Information:

- Implementation Date: As required
- Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____
- Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): City responsible for the public portion of the pipe.

Program Funding Information:

- Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- Funding description: Capital replacement program
- Describe any special program to assist customers who may have difficulty paying the required fees. None
Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____
- b. Construction description: Open-cut or trenchless
- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

Lateral Replacement

Implementation Information:

- a. Implementation Date: _____
- b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) Public portion only.
- c. Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): Sewers Bylaw No. 9425 (posted on the City's website at: www.edmonton.ca

Program Funding Information:

- a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- b. Funding description: _____
- c. Describe any special program to assist customers who may have difficulty paying the required fees. None
Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____
- b. Construction description: _____
- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

I/I Control (Specify type: e.g. cleanout caps, sump pump disconnect, downspout/yard drain disconnect, backflow preventer installation, etc. If basements are typical in the area, where are building owners directed to connect the foundation or tile drain lines that have to be disconnected?)

Implementation Information:

- a. Implementation Date: _____
- b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____
- c. Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): _____

Program Funding Information:

- a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- b. Funding description: _____
- c. Describe any special program to assist customers who may have difficulty paying the required fees.
Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____
- b. Construction description: _____
- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

- Lateral Reconnects (Specify conditions: e.g. when utility relocates main, etc. Specify special situations: e.g. sewer under building(s) requiring building plumbing changes or extensive lateral relocation.)

Implementation Information:

- a. Implementation Date: _____
- b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____
- c. Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): _____

Program Funding Information:

- a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- b. Funding description: _____
- c. Describe any special program to assist customers who may have difficulty paying the required fees.

Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____
- b. Construction description: _____
- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

- Lateral Inspections (Specify conditions: e.g. point of sale, special utility project, etc.)

Implementation Information:

- a. Implementation Date: CCTV and auguring as required, Fee of \$185. assessed to owner if blockage is located on private property.
- b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____
- c. Ongoing program? Yes No
If no, what is the end date? _____ Why did the program end? _____
- d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)
 Resolution Ordinance State Enabling Legislation Other (please specify): Sewers Bylaw No. 9425

Program Funding Information:

- a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____
- b. Funding description: _____
- c. Describe any special program to assist customers who may have difficulty paying the required fees.

Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____

b. Construction description: _____

- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

- New Connection Permitting (e.g. special coordination with Building Codes, etc. Be sure to specify the type and amount of fees imposed.)

Implementation Information:

a. Implementation Date: As required

b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____

c. Ongoing program? Yes No

If no, what is the end date? _____ Why did the program end? _____

d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)

Resolution Ordinance State Enabling Legislation Other (please specify): Sewers Bylaw No. 9425

Program Funding Information:

a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): _____

b. Funding description: _____

c. Describe any special program to assist customers who may have difficulty paying the required fees. None Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): The public portion only. The owner is responsible for the private portion of the pipe.

b. Construction description: _____

c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

- New Connection Enforcement Mechanisms:

Implementation Information:

a. Implementation Date: _____

b. Why implemented? (e.g. consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.) _____

c. Ongoing program? Yes No

If no, what is the end date? _____ Why did the program end? _____

d. What Legal Authority was required to implement the Lateral Program? (Check all that apply. If possible, attach an electronic copy for the PPVL. Scan hard copy if necessary.)

Resolution Ordinance State Enabling Legislation Other (please specify): Sewers Bylaw No.9425

Program Funding Information:

a. Who pays? (Check all that apply. "Other" could include grants, loans, low and moderate income programs, block development grants, etc.) Utility Property Owner Other (please specify): Public portion only

b. Funding description: _____

c. Describe any special program to assist customers who may have difficulty paying the required fees.

Eligible Customers: Low income Senior citizens Other (please specify): _____

Program Construction Information:

- a. Who does the work? (Check all that apply.) Utility Internal Forces Utility Selects and Pays Contractor Property Owner Property Owner but only from Utility List Other (please specify): _____

b. Construction description: _____

- c. Are standard details/specifications used? Yes No If yes, describe/list details: _____

Additional Program Description: _____

4. Public Education/Information Program

How is your Lateral Program publicized? (Check all that apply. If possible, attach electronic copies for the PPVL.)

- Door hangers Bill stuffers Meetings Brochures
 Customer Specific (e.g. provide property owner with CCTV still shot of lateral interior, field mark/locate [flag or cone] program, provide picture of field location in case flag or cone is removed, etc.)
 Other (please specify): During the Building Permit Application process.

Additional description(s) of material(s): _____

5. Lessons Learned

What would you do differently? _____

6. Performance Indicators

What performance measures are/were used? (e.g. plant flow reduction, CSO/SSO reduction, basement backup reduction, service call reduction, sewer moratorium lifted, etc.) _____

Describe results of Lateral Program on these performance measures: _____

7. General Questions for Possible Future PPVL Inclusion

If your utility is responsible for complying with NPDES MS4 requirements, is there an associated private property effort underway? (Please check one.) Yes No Planned

Do you have private pump stations connected to your systems? (Check all that apply.)

Private pump stations (e.g. apartment complexes, industries, etc.) Yes No

Residential connections (e.g. grinder pumps, low pressure systems, etc.) Yes No

Do you install backflow preventers after a sanitary sewer overflow (SSO) or "basement backup" occurs? (Check all that apply.)

Required by our insurance company Yes No

Only if requested by the customer Yes No

Routinely installed as a utility "best management practice" Yes No

Do not install any backflow preventer Yes No

How do you control I/I at the connection point between the public system and private system? Please describe: NA

8. Follow-Up Electronic Submittal

After completing this questionnaire, please email the completed Word file to Laurie Chase, PPVL Project Chair, at laurie.chase@stantec.com.

Please be sure to attach electronic files (PDF versions preferred but not required) for any materials that other utilities could use as an example or a starting point to implement their own program.