

PRIVATE PROPERTY PROGRAM QUESTIONNAIRE

The WEF Collection System Committee is primarily interested in successfully operating programs for work performed on the privately-owned portion of the lateral line and inflow/infiltration sources located on private properties. We want to assemble 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. This specific program documentation will be made available to other wastewater utilities through a virtual private property program on-line library.

While we are interested in "planned" programs, we want to first concentrate on programs that have been demonstrated to have been effectively implemented. Planned programs will be included in the virtual library after the program has been implemented and actual experience with the program is available.

Descriptions of private property programs that were previously implemented, but considered "failed" or only "partially successful" will be included if the reasons for the problems with the program have been identified and can be included as a "lessons learned" component of the virtual library.

Interview Conducted by WEF Representative: Name: _____
Date: 2/16/07 _____

1. General Information

Utility Name & Location: City of Auburn Hills, Department of Public Works, 1500 Brown Road, Auburn Hills, MI
48326

Contact Name & Details: Phil Westmoreland, Orchard Hiltz & McCliment, Inc. 34000 Plymouth Road, Livonia, MI
48150 p: (734) 466-4590 f: (734) 522-6427

Utility Characteristics: 5300 Number of Customers
_____ Number of Taps
_____ Total Miles of Public Sanitary Sewers (separated sewers and combined sewers)
None Miles of Public Combined Sewers (sanitary only, not including storm sewers)
(estimate % of system that is combined if total miles is unavailable or unknown)
Yes Are basements (thus potentially sump pump connections) typical in your area?
(indicate yes or no)
Municipal Utility Type (municipal government, special purpose district, private utility, etc.)

2. Lateral Definition

Private Lateral Definition: _____ Building to ROW/Easement Line Only
(check definition that applies)

(Note if (& how) utility treats laterals in easements differently than laterals in ROWs)
X Building To Tap on Sewer Main Line
_____ Other (Specify details) _____

(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 Exists
X _____ At building
_____ _____ At ROW _____

3. Lateral Program Description

Type of Lateral Program (check all that apply and describe program – try to be brief in program description, but add separate sheets as needed). If utility operates more than one private lateral program, it may be preferable to complete a separate questionnaire form for the remaining questions for each of those private lateral programs.

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

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

_____ Lateral Replacement:

X 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 area, where are building owners directed to connect the foundation or tile drain lines that have to be disconnected?):

Performed a downspout extension program and a footing drain / sump pump disconnection program. Backflow preventers were installed on the sanitary sewer lead in the homes to prevent future sewer back-ups. All sump pump discharges were connected to the storm sewer system in the streets.

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

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

_____ New Connection Permitting (e.g., special coordination with Building Codes, etc.):

_____ New Connection Enforcement Mechanisms:

4. Lateral Program Implementation

Implementation Date: 2000 Why implemented? Abatement order to reduce SSOs & eliminate basement flooding
(e.g., consent order/decreed, reduce CSOs/SSOs, obtain capacity to alleviate sewer moratorium, more cost-effective than "old" program, etc.)

Ongoing Program? _____ Or End Date: 2006 Why Ended? 99% of the homes were disconnected and metering results showed the City below their town outlet capacity.

What Legal Authority was Required to Implement the Lateral Program? _____ Resolution
(check all that apply, inquire if electronic copy is available for virtual library; inquire if utility type [i.e., municipality vs. district] affects the necessary legal authority) _____ Ordinance
_____ State Enabling Legislation
_____ Other (Specify) Abatement order issued

by MDEQ

5. Lateral Program Funding

Who Pays: Utility Property Owner Other (Specify): grant
(other could include grants, loans, low & moderate income programs, block development grants, etc.; inquire if electronic copy is available for virtual library)

Funding Description: City's general fund with EPA grant for final metering analysis.

6. Program Construction

Who Does the Work: Utility Internal Forces Utility Selects & Pays Contractor
 Property Owner Property Owner But Only From Utility List
 Other (Specify): _____

Construction Description: Disconnection of footing drains from sanitary sewer lead within the home. Construction of a new sump pump system and discharge to the storm sewer in the City street.

Construction Details: Are standard details/specifications used? Are electronic copies available?

Describe/List Details: Bid documents, technical specifications and typical details.

7. Public Education/Information Program

How is Lateral Program Publicized? Door hangers Are electronic copies available? _____
 Bill stuffers Are electronic copies available? _____
 Meetings Are electronic copies available? Yes
 Brochures Are electronic copies available? Yes
 Customer Specific Are electronic copies available? _____
(e.g., provide property owner with CCTV still shot of lateral interior, field mark/locate [flag or cone] problem, provide picture of field location in case flag or cone is removed, etc.)
 Other (Specify) Are electronic copies available? _____

Additional Description of Material(s): _____

8. Lessons Learned

What Would You Do Differently? _____

What Performance Measures Are/Were Used? Metering before and after disconnections.
 (e.g., plant flow reduction, CSO/SSC reduction, basement backup reduction, service call (roots, etc.,) reduction, sewer moratorium lifted, etc.,) Describe results of Lateral Program on those performance measures:

Lessons Learned: Extremely effective at eliminating the excess flows in the system. Public education and relations are critical.

9. Follow-Up Electronic Submittal

Willing to Send Electronic Materials to WEF Collection System Committee for Inclusion in Virtual Library? X
 (list all items utility agrees to send below should future follow-up reminders be needed)

Is utility willing to provide a contact (e.g., either web site address, telephone number or email address [preferably not a name due to possible privacy concerns] for inclusion in the WEF Private Lateral Virtual Library)?

Yes

WEF Tracking List of Materials:

Document Type	Document Description	File Name
.doc	PPVL Questionnaire	Virtual Library Questionnaire – Auburn Hills
.pdf	Notice to residents with information on voluntary footing drain disconnection program funded by the City	BO vol request 1-03
.pdf	Footing drain disconnection construction log	CONSTRUCTION LOG
.pdf	Resident information sheet	info sheet
.pdf	Foundation (footing) drain disconnection inspection form	inspection form
.pdf	Foundation drain contractor prequalification interview questions	interview questions

.pdf	Sump pump and check valve maintenance requirements	maint flyer
.pdf	Foundation drain contractor prequalification questionnaire, minimum requirements, and responsibilities and obligations	pre-qual info plumber
.pdf	Letter to realtors regarding seller's disclosure requirement	Realtors notice 3-02
.doc	Resident acceptance letter following foundation drain disconnection	RESIDENT ACCEPTANCE FORM
.pdf	Foundation drain disconnection program information notice to residents	vol request 3-02