

PRIVATE LATERAL PROGRAM QUESTIONNAIRE – DRAFT # 2, March 1, 2006

The WEF Collection System Committee is primarily interested in successfully operating programs for work performed on the privately-owned portion of the lateral line; e.g., building service connection. 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.

Program descriptions of private lateral 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: Bill Carter_____

Date: April 6, 2006_____

1. General Information

Utility Name & Location: Johnson County Wastewater, Johnson County, KS_____

Contact Name & Details: Aaron Witt, Collection System Engineer_____

Utility Characteristics: 240,000EDU__ Number of Customers
 _____ Number of Taps
 2000_____ Total Miles of Public Sanitary Sewers (separated sewers and combined sewers)
 _____ 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)
 County Gov. 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: Usually
 (check all that apply) Required Exists

_____ Exists At building

_____ Exists At ROW

_____ Exists At easement

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.

N/A Lateral Maintenance (e.g., cleaning, root control, etc.):

N/A Lateral Repair (e.g., point repairs, etc.):

N/A 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?):

All of the above. Disconnected sump pits/sump pump redirected to home exterior, curb, or storm inlet as required by City. Exterior foundation drains were not disconnected.

 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.):

For new and replacement service lines

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

New Connection Enforcement Mechanisms:

The City will not issue a building permit without a sewer connection permit.

4. Lateral Program Implementation (Private I/I)

Implementation Date: _____ Why implemented? Basement Backups, SSO _____
(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: _____ Why Ended? _____

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) _____

Johnson County Code of Regulations for Private Infiltration and Inflow

5. Lateral Program Funding (Private I/I)

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

Funding Description: _____

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: _____

Private I/I Removal – Regs set a “Max Amount” for each type of source removed. _____

Backup Prevention Program (BUPP) – Homeowner receives at least 2 bids _____

Construction Details: Are standard details/specifications used? Are electronic copies available? Y - Manual _____

Describe/List 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? _____
 Brochures Are electronic copies available? _____
 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.)
Letter Other (Specify) Are electronic copies available?

Additional Description of Material(s): No longer publicized, but word of mouth. If rehab areas where private sources have not been removed, will do PR and conduct building inspections, then implement program. Electronic copy (CD) of entire Private I/I Program available to utilities that contact JCW. Includes codes, letters, specs, door hangers, etc. _____

8. Lessons Learned

What Would You Do Differently? JCW probably took on too much liability/responsibility by being so strict with the specifications on how each source was removed. In future will use specs as guidelines, but put the solution on the homeowner and plumbing contractor like the BUPP program. Main goal being that the source is disconnected from the sanitary sewer. _____

What Performance Measures Are/Were Used? Flow Monitoring, Reinspection of removed sources 5 year after disconnect. Tracking of number of dry/wet weather backup calls. _____
(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: Helped with the volume/frequency of backups/overflows, but has not eliminated all problems. _____

9. Follow-Up Electronic Submittal

Willing to Send Electronic Materials to WEF Collection System Committee for Inclusion in Virtual Library? _____
(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 website address, telephone number or email address [preferably not a name due to possible privacy concerns] for inclusion in the WEF Private Lateral Virtual Library)? _____

WEF Tracking List of Materials: _____
