

# Appendix C

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ANNUAL NPDES REPORT  
2008 MINNEAPOLIS STORMWATER MANAGEMENT PROGRAM & 2007 ACTIVITIES

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*Appendix C*

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**Appendix C: Public Comment**

***During the Public Comment Period, one written comment was received. There were no comments presented at the Public Hearing.***

**The written comment was as follows:**

If you have 6 crews of 2 people each for cleaning storm water pipes and they cleaned 4.91 miles of pipe and it only cost \$3,473 per mile (less than \$15,000) seems like there is a disconnect. Where are the people and truck costs?

If you have 2 crews of 2 people each to televise pipe and they televised 1.17 miles at 1.19 per foot (\$7.351.34) where are the people and truck costs?

**Minneapolis Public Works prepared the following response:**

This question pertains to wording of the DRAFT Annual Report, **Section II., Storm Drain System Operational Management and Maintenance** (Performance Measures).

For the first part of the question, the draft language stated, "Miles of storm drain cleaned per year: 4.91 miles @ \$3,473/mile".

The final version has been corrected to state, "Miles of storm drain cleaned per year utilizing hydro-jet washing: 4.91 miles @ \$3,473/mile."

Hydro-jet washing is one component of storm drain system cleaning. It is done with two people at roughly \$40/hour and a truck at roughly \$20/hour, and is only used for certain small diameter pipes that have relatively small amounts of sand build-up in them. Additionally, cleaning the storm drain system consists of removing trash from catch basins, shoveling sand/grit from large diameter pipes, and removing trash and other solid debris from inside pipes.

For the second part of the question, the Annual Report (both the draft and the final versions) states, "Miles of storm drain televised per year: 1.17 miles @\$1.19".

The unit cost is for running a remote-controlled camera through a pipe. We do this work with two people and a truck, again at a cost of roughly \$40/hour for each person and roughly \$20/hour for a truck. The unit cost of \$1.19 per foot does not include cleaning, engineering evaluation or any other investigatory work.