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WATER POLLUTION CONTROL**MEMORANDUM**

To: Gregg Mandsager, City Administrator

Cc: Nancy Lueck, Finance Director

From: Jon Koch, Director WPCP

Date: July 11th, 2013

Re: ISCO 2150 Portable Open Channel Flow Meter

INTRODUCTION: The Stormwater and Collection/Drainage departments need an open channel meter to measure stormwater flow through gravity sanitary sewers as part of I & I (Inflow and Infiltration) detection. I & I detection is necessary to ensure complete separation of the sanitary and stormwater system as mandated by the EPA consent order.

BACKGROUND: I & I is a term used to describe stormwater Inflow and Infiltration. Inflow stormwater enters sanitary sewers from roof drains, basement sump pumps, yard drains and other inappropriate connections. Infiltration stormwater enters sanitary lines through defective pipe joints, broken pipes and elevated groundwater levels. These sources need to be eliminated to ensure efficient treatment and avoid sanitary sewer overflows.

GPM Sales and Service of Iowa City have a demo model ISCO 2150 at a greatly reduced price. A new unit with software is priced at \$8496.50.

RECOMMENDATION/RATIONALE: Staff recommends the purchase of a demo model ISCO 2150 Flow Module, Flowlink software up-grade and street level installation tools for \$5668.50 from GPM Sales and Service. GPM is the only regional ISCO dealer and the City already uses proprietary Flowlink software for multiple portable samplers; therefore, no other bids were obtained. Funding will come from delaying the budgeted purchase of a sampler for \$5000 with the remaining \$668.50 coming from miscellaneous operating supplies in the Stormwater budget.