

**Pool Administration**

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## Condition-Based Sewer Maintenance

*Use of Conditional Based Maintenance as a best practice may effect a 33% discount on your General Liability coverage.*

In recent years, condition-based maintenance for wastewater collection systems using acoustic assessments has grown and is now available to collection system managers in Colorado. This new maintenance model uses acoustics to rapidly score and prioritize sewer pipes based on their individual flow condition. In this approach pipes are assessed with acoustics and categorized as GOOD, FAIR, POOR, or BLOCKED based on the level of obstruction that is detected within the pipe. This data can then be combined with Level 1 manhole inspections and compiled into GIS dashboards allowing collection system managers to characterize the flow condition of the entire collection system annually and develop a maintenance plan based on this data rather than simply cleaning a section of the system on a rotational schedule.

**With this approach, collection system managers can focus more on the following:**

- 1) Identify which pipes are of the highest risk to backups and direct personnel and equipment to these pipes in the system
- 2) View the flow performance of the entire collection system every year
- 3) Reduce efforts of cleaning pipes that are already clean
- 4) Maintain accurate documentation in a cloud-based GIS system
- 5) Significantly reduce water usage to maintain the overall collection system

The CSD Pool has reviewed the annual condition-based maintenance program provided by RH Borden and has approved it as an acceptable Best Practice alternative methodology for sewer maintenance as well as determined it to be fully compliant with the CSD Pool Sanitation Maintenance Warranty Program.

CSD Pool members will receive a 5% group purchase discount on equipment and services purchased from RH Borden. Purchases also qualify for Safety and Loss Prevention Grant reimbursement of up to 50% of the cost.

### Colorado Special District Property and Liability Pool

Signed: Joseph DePaepe

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Role: Colorado Special Districts Property and Liability Pool

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