Asset Management

Moving from Big Data to Implementation

Steve Oosting, P.E.
Without Asset Management

What’s under there?
Implementing Your Asset Management Program

Part One: Keeping It Simple
Keeping It Simple

Level of Service Goals

- Collect the Waste Water
- DO NOT Collect the Soil
- Clean the Waste Water

Asset Management Goal

- Desired Level of Service at the Minimum Life Cycle Cost
Keeping It Simple
What development looks like

What are the needs? The System

- Inventory
- Risk of Failure
- Criticality
- Capacity

What Do We Own?
In What Condition Are Our Assets?
How Do We Prioritize?
Can We Process Enough Water?

How will we meet the needs? The Actions
Keeping It Simple

What development looks like

What are the needs? The System

- Inventory
- Risk of Failure
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What Do We Own?
In What Condition Are Our Assets?
How Do We Prioritize?
Can We Process Enough Water?

How will we meet the needs? The Actions

- O&M
- Capital Improvements
- Financial Strategy

Keeping Up With Maintenance
Planning for the Big Needs
How Will We Pay for Everything?
Keeping It Simple

What does implementation look like?

Set Rates
Take Actions
10 yr. Action Plan
Record Info.
Current Risks
Implementing Your Asset Management Program

Part Two: Overcoming the Barriers
Overcoming the Barriers

Too Much Else To Do – Not Enough Time

• Spread Too Thin / Not Enough Time
• Other Areas of Responsibility
• Is Preventative Maintenance a Priority?
Overcoming the Barriers  

Too Much Else To Do – Not Enough Time

NPDES Permits: Staffing Level Determinations

*Maintenance Staff.* The permittee shall provide an adequate staff to carry out the operation, maintenance, repair, and testing functions required to ensure compliance with the terms and conditions of this permit. The level of staffing needed shall be determined by taking into account the work involved in operating the sewer system and treatment works, planning for and conducting maintenance, and complying with this permit.
Overcoming the Barriers

Management Systems Are Too Complicated
Our Staff Won’t Use It
Overcoming the Barriers  R&R

Out of Sight = Out of Mind
Overcoming the Barriers

Coordination

- Roads
- Other Utilities
- Other Departments/Agencies
Overcoming the Barriers

Inflexible Plans

• Physical Needs
  • Pavement Deterioration
  • New Sewer Inspections

• Financial Abilities
  • Construction Costs
  • Revenue from New Connections
Overcoming the Barriers

OMR&R

Lack of Funding

- Public Pressure to Reduce Costs
- Understanding Asset Management
- Communication Plan – Keep it Simple
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