

Sewer Inspection and Cleaning Plan

The purpose of developing the Sewer Cleaning and Inspection and Prioritization (SCIP) Model is to establish technical methods and procedures for incorporating business risk into the decision model for the subject activities. Business risk will follow the Bureau's approach utilizing a triple bottom line analysis. It is intended that every pipe in the system will be assigned a recommended inspection frequency based on risk. The recommended frequency of inspection for each pipe will be driven by the ,

Assumptions:

1. All manholes in the system will be inspected within 5 years of submission of the cleaning and inspection plan, completion date January 2018.
2. Mainline inspections include wye connections for laterals only.
3. Force Mains are included in the Pump Station Reliability Plan and are not part of this analysis.

Establish Business Process for Inspection and Cleaning Activities

- Stakeholder Involvement and Needs Identification (SPCR, BOM, Maintenance Engineering, ASM)
- Why are inspections conducted?
 - Preventative Maintenance
 - No Previous Inspections
 - Determine Asset Condition Information and Remaining Useful Life related to Structural Condition
 - Avoid and/or mitigate Operational Problems related to Sanitary Sewer Releases
 - Roots
 - I/I
 - Grease Management
 - Hot Spot Area
 - Investigations
 - Post Repair QA/QC and Asset Condition Reset
 - Support CIP Projects
 - Third Party Project Support (Tri Met, ODOT, etc)
- Why are sewers cleaned?
 - Preventative Maintenance (Facilitate CCTV Inspection)
 - Operational Problems
 - Sediment Accumulation