



2020 Management Plan Internal Audit Report

Every year the Wastewater Division is required to perform an internal audit on the Sanitary Sewer Management Plan to determine the effectiveness of the management plan. Every five years the Division is required to complete a comprehensive report of the last five years effectiveness of the Sanitary Sewer Management Plan.

Changes to the Management Plan from the 2020 Audit are as follows:

- Key contacts information was updated to change Ben Ford title to Wastewater Superintendent as well as add Steve Kollman as the new Wastewater Supervisor.
- Throughout the plan it refers to the Water Superintendent. This was changed to Wastewater Superintendent.
- Organizational chart was updated to reflect the current Wastewater Division not the Water Division.
- SL-Rat inspection for use as a pipe inspection tool was added to the Operations and Maintenance Program.
- Pipe footages as well as pumping horsepower was updated at Walden Glen lift station in the System Evaluation and Capacity Assurance. The type of flow meter Murray City owns was updated in this section as well.
- Updated Defect Reporting form is now attached in Appendix A.
- All Standard Operating Procedures (SOP'S) were evaluated and updated as needed. All new SOP's are now included in the Management Plan.

Comprehensive Report.

The past four years Audits all consisted of minor changes with updates to Standard Operating Procedures as well as key contacts. 2020 audit was the most comprehensive with the changes but still did not change the overall body and objective of the Management Plan. In spring of 2020 the Water and Wastewater Divisions for Murray City were split into two Divisions with a Superintendent for each division. This update reflects the change in key contacts for the report as well as changed the verbiage from Water Superintendent to Wastewater Superintendent throughout the plan. All other minor changes to the report are documented in the 2020 audit above.

All documentation for the operations and maintenance records of the plan is thoroughly documented within City Works work order system. All necessary and applicable records are being maintained



according to the Management Plan. No major deficiencies have been identified in any of the previous year's audits. Management plan as a whole is an active representation of how Murray City Wastewater Division functions and operates.

The last city caused basement backup occurred on 2/13/2020. This effected one home and was caused by a protruding liner sticking out of a neighboring lateral, within a manhole that prohibited the lateral from properly flowing. Since this backup occurred the division has trained again and emphasized our lateral inspection policy which states that any liner must be viewed and approved by the onsite inspector to make sure it does not protrude into the city main or manhole in any way. Outside of this basement backup 2 other documented SSO's occurred in 2020 within the city. One break was a sewer main that was bored through by a contractor at 151 East 5300 south. This break remained confined to the trench until the repair on the main was made. The other SSO was on a private lateral at 309 east 4500 south. This was also a sewer break which remained in the trench until the repair was made. Prior to 2020 the last SSO to enter the environment was on 5/14/2016 and occurred at Fairbourne lift station. This SSO was determined to be an act of vandalism as a large 10''X10'' piece of wood was put into the sewer system and plugged the inlet pipe that flows into Fairbourne lift station. Murray City remains vigilant in our cleaning and inspection program in order to try and eliminate any potential defect within the sewer system before it could cause an SSO. No SSO trends are noticed at this time therefore no changes are deemed necessary to our SSO protocol.

This report along with the updated Management plan will be available for review on Murray City's website.

Report prepared by:

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