

**Capacity, Management, Operations and  
Maintenance (CMOM) Program  
Management Plan**

**ANNUAL SUMMARY REPORT  
(January 1, 2021 to December 31, 2021 )**

Prepared by



**TUSCOLA**

**City of Tuscola  
214 North Main Street  
Tuscola, Illinois 61953**

**Capacity, Management, Operations and  
Maintenance (CMOM) Program  
Management Plan**

**ANNUAL SUMMARY REPORT  
(January 1, 2021 to December 31, 2021 )**

**I. Collection System Information**

Total Actual Annual Precipitation for Reporting Year	<u>46.76</u> inch
Historical Annual Average Precipitation	<u>40.66</u> inch
Service Area	<u>1280</u> acres
Service Population	<u>4636</u>
Total Sanitary Sewers Length	<u>52.07</u> miles
Total Force Main Length	<u>6.93</u> miles
Number of Air Release Valves	<u>2</u>
Number of Lift Stations	<u>5</u>
Average Flow for Reporting Year	<u>1.6</u> MGD
Peak Monthly Flow for Reporting Year	<u>4.2</u> MGD

**II. Inspection Summary**

Sanitary Sewers Cleaning	<u>8508</u> ft	<u>3</u> % of System
Force Main Cleaning	<u>0</u> ft	<u>    </u> % of System
Root Removal	<u>0</u> ft	<u>    </u> % of System
Sewer Televising	<u>150</u> ft	<u>.05</u> % of System
Number of Manhole Inspected	<u>58</u>	<u>11</u> % of System
Number of Lift Station Inspected	<u>5</u>	<u>100</u> % of System
Number of Air Release Valves Inspected	<u>0</u>	<u>    </u> % of System
Number of Grease Trap Inspected	<u>0</u>	<u>    </u> % of System

List Other Inspections Performed (Smoke Testing, Dye, etc.)

_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System
_____	_____	_____	_____ % of System

Are Critical Structures Identified?  Y  N  NA  
 If yes, provide list.

_____	_____
_____	_____
_____	_____
_____	_____

**III. Defects Identification**

Number of Sanitary Sewer Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N
Number of Manhole Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N
Number of Lift Station Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N
Number of Critical Structures Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N
Number of Air Release Valves Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N
Number of Grease Trap Defects Identified	<u>0</u>	Details Attached	<input type="checkbox"/> Y <input type="checkbox"/> N

**IV. Performance Indicators**

Number of Sanitary Sewer Failures	<u>0</u>		Failures/sewer miles
Number of Lift Station Failures - Electrical	<u>0</u>		Failures/no. of lift station
Number of Lift Station Failures - Mechanical	<u>0</u>		Failures/no. of lift station
Number of Sanitary Sewer Overflows	<u>0</u>		Incidences/ sewer miles
Number of Basement Backups	<u>0</u>		Backups/ sewer miles
Number of Complaints Received	<u>33</u>	<u>.63</u>	Complaints/ sewer miles
Number of Complaints Resolved	<u>33</u>	<u>.63</u>	Complaints/ sewer miles

Other Issues

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**V. Sanitary Sewer Overflow (SSO) Reported**

Are SSOs reported to the IEPA?       Y  N  NA  
 If yes, provide list.

Date	Location	Cause <sup>1</sup>	Estimated Volume
	None in 13 years		

Notes:

1. Attach SSO Report Form for each event.

Were there any SSOs that occurred last year that are not listed above? If yes, list:

No

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**VI. Inflow and Infiltration**

Is inflow and infiltration (I/I) significant during the reporting year?  Y  N  NA  
If yes, describe.

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Did I/I created problems/ affected performance of collection system, lift stations, or treatment plant during the reporting year?  Y  N  NA  
If yes, describe.

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Describe any I/I changes from the previous year.  
None

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Describe efforts to address I/I problems.  
N/A

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## VII.Repair Summary

Description	Quantity	Cost	Notes
Manhole Repairs		\$	
Manhole Replacements		\$	
Sewer Spot Repairs	3	\$ 2,525.00	
Sewer Lining		\$	
Sewer Replacement		\$	
Pump Repairs (major items)	2	\$ 3,701.00	
Pump Replacement	1	\$ 34,205.00	
Generator Repairs (major items)		\$	
Building Repairs (major items)	2	\$ 10,024.00	
Other Repairs			
Wind Turbine Maintenance Contract		\$ 7,200.00	
RTU for Wind Turbine		\$ 2,869.00	
Blower Repair		\$ 21,380.00	
Irrigator Repair		\$ 7,786.00	
		\$	

**VIII. CMOM Activity Checklist**

CMOM Activity	Completed	
	Y	N
Review/Update System Inventory	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sewer Map Up-to-Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parts Inventory Reviewed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ordinances Reviewed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Budget Review for CMOM Activities Minutes Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fees/Rates Reviewed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Safety Training Completed/Current	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Review Critical Structure List	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Review Major Emergency Response Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Review SSO Response Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Code Compliance Inspections Completed (Include Details for Revisions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lift Station Flow Monitoring Records Reviewed	<input checked="" type="checkbox"/>	<input type="checkbox"/>



**Public Works Committee  
Minutes and Report to Council  
3:00 p.m., March 23, 2021**

Roll Call:     Alan Shoemaker  
                  Troy Rund  
                  Mayor Dan Kleiss  
                  Drew Hoel  
                  Alta Long

- Hoel reported that a Toro Workman utility vehicle and Toro ZTR mower in the Park Department and a 2007 Ford F450 in the Street Department were the only equipment items scheduled for replacement in the upcoming budget year. Two of those items are carry-overs from the current budget, and the Workman replacement may even occur yet this budget year. After discussion concerning maintenance policies, committee members concurred with the replacement recommendations.
- Municipal Buildings Department. Long reviewed the proposed budget, showing no substantive changes over the current year.
- Streets & Alleys. Long reviewed the proposed budget.
  - Annual oil & chip pavement maintenance is again proposed to come from Motor Fuel Tax funds
  - Additional \$20,000 for pavement striping
  - Solar electricity production projected in budget
  - Replacement of gutters and door seals at Street Shed - +\$5,000
  - Discussion concerning possible locations, layouts and costs of building to replace old street shed. Insurance for old building and estimated cost of demolition and new building included in budget, which is shared between streets and police budget.
- Park and Pool. Long reviewed the proposed budgets for each department. Committee members discussed and agreed that we should begin preparation to open the restrooms at the parks and to open the swimming pool on schedule. Full council will discuss. Hoel provided an update on the OSLAD grant project at the park and the pending deadlines for completion. Hoel also discussed the timing and funding of the dog park project. Committee members discussed pool operations and the need to be flexible with ever-changing COVID guidelines. Other than grant income and expense for park project, no substantive changes in proposed budget.
- Water. Long presented the proposed budget and reviewed some small changes to operating costs.
  - Committee members discussed the status of ongoing efforts to identify water loss, including the status of the Joint Water Agency and West Prairie Water Company losses. Improvements being studied include SCADA upgrades across entire Joint Agency and new Tuscola meter station. Those costs are estimated within budget.
  - Water and sewer infrastructure are possible eligible costs under the recently approved federal stimulus.
  - Hoel discussed possible DCEO Public Infrastructure grant for water main replacements up to \$550,000. Deadline for permits and applications are upcoming. Committee members directed Hoel to pursue and bring to full council.

- Recent water leak under Rt. 36 needs some immediate engineering review. Hoel and Cruzan believe we can abandon this small line that is now redundant, but valves and blocking need to be reviewed for long-term stability without flow. Additional repair costs estimated at up to \$20,000.
- Sewer. Long reviewed the proposed budget and changes to operating costs.
  - Hoel reviewed the Annual Summary Report for the Capacity, Management, Operations and Maintenance (CMOM) Program Management Plan for the Sewer Department. This is a required report to the Illinois EPA which tracks several performance measures and maintenance items. Committee members reviewed the plan and summary report. After discussion, committee members approved the CY2020 Summary Report.
  - Several repairs to the South Sewer Plant building are included – overhead doors, flooring, windows and exterior doors.
  - Some replacement lift station pumps are included to deal with excessive “disposable wipes” and other fabrics.
- Long reviewed the status of the GIS implementation and the ability of crews to locate infrastructure facilities onsite with GPS equipment, upload that information from the field, and retrieve it from the field with tablets or other portable devices. This is a tremendous increase in capability at very little additional cost, and it will constantly increase our shared knowledge and record keeping of infrastructure facilities over time.
- Personnel costs are not shown in the draft budgets of any of the departments, yet. These numbers will be inserted before a final draft but after Mayor Kleiss and the Finance and Administration Committee formulate a recommendation.
- Hoel is in discussions with engineering consultant concerning possible Capital Improvements plan. This could include pavement, water, and sewer projects and the financial planning in support of them.

Meeting adjourned 4:48 p.m.