



**Public Works Department**

117 N Molalla Avenue

PO Box 248

Molalla, Oregon 97038

Phone: (503) 829-6855

Fax: (503) 829-3676

February 24, 2022

Mike Pinney, PE, Sr. Environmental Engineer  
Oregon DEQ – Northwest Region  
700 NE Multnomah St, Suite 600  
Portland, OR 97232

**RE: 2021 ANNUAL INFLOW & INFILTRATION REPORT**

This report provides an annual summary of some of the more important I/I reduction actions the City of Molalla has taken for the 2021 calendar year, in accordance with City's Inflow and Infiltration Assessment and Reduction Plan and NPDES Permit No. 101514.

The City cleaned 11502 linear feet, replaced 8 failed sewer laterals in town, bringing the number of Grouted Manholes to 125 with completion of the grouting project.

Please feel free to contact me (503) 759-0220 if you have any questions.

Regards,

Andy Peters  
Public Works Division Manager

Cc: Dan Huff, City Manager  
Mac Corthell, Community Development Director

Project/Task	Description & Information
Manhole Inspections and Grouting	<p>The City also completed phase 3 of its Manhole Grouting Program, bringing the observed manhole infiltration to the following condition:                      Grouted (125) (See Map at the end of this report)                      Major Infiltration (15)                      Minor Infiltration (5)                      This last round of grouting included all leaking manholes under the ODOT Highways in town.</p>
System Assessment	<p>The cycle of system assessment ended in 2017 with the City’s Smoke Testing, and the comprehensive Flow Poking assessment in 2018. Efforts in 2021 centered on continuing to make repairs found by analyzing CCTV results and actively digging up leaks, as described in the remainder of this report. A new cycle of assessment begins in 2022.</p>
Sewer Line Cleaning	<p>Sewer CMOM Cleaning in 2021 was conducted as follows:</p> <p>WO# 16344; Problem Sewers and Dead-End Mains (NW quadrant)                      COMPLETED 11/18/2021</p> <ul style="list-style-type: none"> <li>• Industrial Way</li> <li>• Storey Dr</li> <li>• Andrian</li> <li>• Kalugin</li> <li>• The Bypass line at Lynn Ln</li> <li>• Toliver &amp; Leroy</li> <li>• Trinity</li> <li>• Wedgewood</li> <li>• Kae Ct</li> <li>• W. Heintz</li> <li>• Carol Ct</li> <li>• West Lane</li> <li>• Ridings</li> <li>• Prince</li> <li>• Dixon</li> </ul> <p><b>Total: 4437LF</b></p> <p>WO# 16046; Problem Sewers and Dead-End Mains (SE quadrant)                      South of Molalla Ave, East of the Union Pacific RR Tracks.                      COMPLETED 10/4/2021</p> <ul style="list-style-type: none"> <li>• E. 3<sup>rd</sup></li> <li>• Eckart, the Moose Lodge</li> <li>• Hood St</li> <li>• Hood Ct</li> <li>• S. Cole</li> <li>• E 8th</li> <li>• Mathias Ct</li> </ul> <p><b>Total: 2045LF</b></p> <p>WO# 16045; Problem Sewers and Dead-End Mains (SW quadrant)                      South of Molalla Ave, West of the Union Pacific RR Tracks,</p>

---

---

and South of the 15-inch concrete line that runs from Molalla Ave directly to the WWTP;

COMPLETED 09/30/2021

- Fountain Valley Center (off Industrial Way)
- Commercial -- Done

**Total: 600LF**

WO# 15869; Clean and maintain Problem Laterals - fall

- Peterkin's downtown (low flows cause backups);

COMPLETED 10/07/2021

**Total: 395LF**

WO# 15697; Problem Sewers and Dead-End Mains (NE quadrant)

North of Molalla Ave, East of the Union Pacific RR Tracks.

COMPLETED 10/5/2021

- Thunderbird
- Glory
- Bronco
- Miller
- Faurie
- E Christopher
- W Christopher
- Affaltor

**Total: 2250LF**

WO# 16268 Cleaned Sewer Main TL\_F\_2 - TL\_F\_20 – TL\_F\_3

Completed 10/12/21

- Ridings

**Total: 470LF**

WO# 13573 Clean Sewer Main TL\_C\_9 – TL\_C\_30

Completed 2/25/21

- Christopher – Shirley

**Total: 356LF**

WO# 16246 Clean Sewer Main on Leroy from TL\_9 – TL\_F\_27

Completed 9/21/21

**Total: 949LF**

**Total Sewer Cleaning 2021: 11502 LF**

CCTV Inspections and Repairs The City replaced 8 sewer laterals identified:

1. WO# 760 Toliver
2. WO# 416 Metzler
3. WO# 202 E 3rd
4. WO# 110 Berkley
5. WO# 633 E Heintz
6. WO# 219 Lola
7. WO# 203 Swiegle
8. Wo# 404 Ridings

CCTV Inspection

WO# 12560 Scandia Property BC\_A1\_2,BC\_A1\_8,BC\_A1\_15, BC\_A1\_9,BC\_A1\_9, BC\_A1\_10, BC\_A1\_11, BC\_A1\_12, BC\_A1\_13,BC\_A1\_4 Completed 1300'LF

WO# 12470 BC\_A\_39, BC\_A4\_1, BC\_A4\_2 to east end 236 Ridings Completed 900'LF

I/I Budget In Fiscal Year 2021-2022, the City budgeted a total of \$705,000 for infiltration and inflow repairs. To date the City has expended over \$29,000 and completed Project #6, however costs turned out to be significantly lower than expected due to a pipe in better condition than expected. The balance will be rolled forward in to FY 22-23 to contribute to the next projects.

I/I Projects The folloing is an update on the 7 high priority projects from the WWMP (as noted in the Consent Decree).

- Project 1: Completed 2019
- Project 2: Completed 2020
- Project 3: Half of this Project will be completed with Project 4 in 2022
- Project 4: at 70% design, construction begins this summer. The other half is TBD
- Project 5: TBD
- Project 6: Completed 2021
- Project 7: Completed 2019

For reference, the project descriptions are:

1. Replace/Rehabilitate existing 8-inch sewer along Fenton Avenue from TL\_B\_19 to TL\_B\_20.
2. Replace/Rehabilitate existing 8-inch sewer along Patrol Street from

- TL\_B\_2 to TL\_B\_27.
3. Replace/Rehabilitate existing 8-inch sewer along Lola Avenue from TL\_A\_33 to TL\_A\_25.
4. Replace/Rehabilitate existing 8-inch sewer from TL\_A\_22 to TL\_A\_21 along East 2nd [Avenue/Street] to TL\_A\_16 on Eckerd Avenue.
5. Replace/Rehabilitate existing 8-inch sewer along S. Swiegle from BC\_A3\_17 to BC\_A3\_7.
6. Replace/Rehabilitate existing 8-inch sewer beginning at the S. Molalla Pump Station, continuing to manhole BC\_A1\_2, and terminating at the clean-out located east of manhole BC\_A1\_3.
7. Replace/Rehabilitate existing 8-inch sewer along Fenton Avenue from TL\_B\_20 to TL\_B\_22.

2021 Sanitary Manhole Infiltration Status





State of Oregon  
Department of  
Environmental  
Quality

# Inflow and Infiltration Reduction Annual Report

(Submit a separate form for each satellite collection system)

Year: 2021

Facility Name: City of Molalla

DEQ File #: 57613

Facility Location: 12424 S. Toliver Rd Molalla, OR 97038

Permit #: 101514

Miles of Common Sewer: 32.95

EPA ID#: OR-002238-1

Number of Pump Stations: 5

Date of most recent I and I Study: 2018

Number of storm caused SSOs last year: 0

Flow	Design Values	Observed Last Year
Average Dry Weather Flow	1.1 MGD	.599 MGD
Average Wet Weather Flow	2.3 MGD	1.358 MGD
Maximum Month Wet Weather Flow	3.1 MG	60.665 MG
Peak Day Flow	8.5 MGD	4.876 MGD

### Inspection, Maintenance, and Construction Activities

Enter activities completed in prior 5 years, completed last year, planned for upcoming year

Activity	Last 5 Years		Last Year		Planned	
Smoke Testing* (miles & percent of total)	32.95	100%	0	0	0	0
Cleaning & TV inspection* (miles & percent of total)	31.30	95%	1	3%	2.30	7%
Cleaning w/o TV inspection* (miles & percent of total)	32.95	100%	2.2	6%	3	10%
Main line repaired ( miles & percent of total)	.01	.03%	.0056	.02%	0	0
Main line replaced ( miles & percent of total)	.55	1.7%	0	0	.31	1%
Manholes repaired (number & percent of total)	116	20%	20	4%	0	0
Manholes replaced (number & percent of total)	0	0	0	0	6	1%
Cross-connections** (number discovered & eliminated)	0	0	0	0	0	0

\* - Do not double report activities done in the same section during the same time period.

\*\* - Include storm drains, area drains, and roof drains.

**ATTACHMENTS: Please attach additional information regarding collection system repair and replacement work done last year and planned for the current year.**

### Signature Requirement

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Official: 

Name and Title (Please Print): Andy Peters

Date of Signature: 2/28/22 Telephone: 503-829-6855