

**YEAR 2023 - 2024**

**Collection System Inflow & Infiltration (I & I) and  
Fats, Oils and Grease (FOG) Program Report**



**Community:** \_\_\_\_\_

**Report Prepared By:** \_\_\_\_\_

**Authorized Community Approval:**

**Print Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date Approved:** \_\_\_\_\_

I hereby certify that this report submittal was reviewed and authorized for submittal to WLSSD by the governing body of this community.

**Engineer Certification:**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a Licensed Professional Engineer under the laws of the State of Minnesota.

**Print Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**License #:** \_\_\_\_\_

## **SECTION I: 2023 INFLOW AND INFILTRATION ANNUAL REPORT**

### **2023 SANITARY SEWER OVERFLOW REPORT:**

List any sanitary sewer overflows (including reported basement backups) that occurred in 2023 (attach additional sheet if necessary): **\*\*It is a requirement of the Minnesota Pollution Control Agency (MPCA) and WLSSD that all sewage releases are reported to the Minnesota Duty Officer.**

	<u>Date</u>	<u>Location</u>	<u>MN Duty Report #</u>	<u>Follow-up Actions Taken</u>
1.				
2.				
3.				
4.				
5.				

### **2023 BUILDING/PLUMBING PERMITS ISSUED FOR NEW HOME CONSTRUCTION AND CONNECTIONS TO THE SANITARY SEWER SYSTEM:**

- Number of Building Permits Issued for New Home Constructions: \_\_\_\_\_
- Number of Plumbing Permits Issued for New Sewer Connections: \_\_\_\_\_

### **CURRENT COLLECTION SYSTEM OPERATOR CONTACT**

Contact Person: \_\_\_\_\_  
Contact Phone (Office): \_\_\_\_\_  
Contact Phone (Cell): \_\_\_\_\_  
Contact Email: \_\_\_\_\_

**INFLOW/INFILTRATION REDUCTION ACTIVITIES COMPLETED IN 2023:** *(attach additional sheet(s) if necessary)*

2023 Reduction Activity	Amount Completed	Location(s) or Basin(s)	Engineer's Estimate of I/I Reduction Achieved (GPD)	Total Funds Expended
Footing Drains Disconnected	Provide Number of Footing Drains Disconnected: _____			
Roof Drains Identified/ Disconnected	Provide Approximate Square Feet of Roof Area Disconnected: _____			
Service Laterals Lined/Replaced	Provide # of Laterals Lined/ Replaced: _____			
Sanitary/Storm Cross Connections Eliminated	Provide Number Eliminated: _____			

**INFLOW/INFILTRATION REDUCTION ACTIVITIES COMPLETED IN 2023 (continued):**

2023 Reduction Activity	Amount Completed	Location(s) or Basin(s)	Engineer's Estimate of I/I Reduction Achieved (GPD)	Total Funds Expended
Manholes Rehabilitated or Replaced	Provide # of Manholes Rehabilitated/ Replaced: _____			
Manholes Plugged or Sealed	Provide # of Manholes Plugged/Sealed: _____			
Sewer Line Rehabilitated or Replaced	Provide # Lineal Feet Rehabilitated/ Replaced: _____			
Other Reduction Projects Completed Not Listed Above:				

**INFLOW/INFILTRATION IDENTIFICATION ACTIVITIES COMPLETED IN 2023:** (attach additional sheet(s) if necessary)

2023 Identification Activity	Amount Completed	Targeted Area/ Basins	Detailed Description of Issues Identified and Timeline to Address	Total Funds Expended
Televising	<b>Provide # of Lineal Feet Televised:</b> <hr/> <b>Footage reviewed by:</b>			
Flow Monitoring				
Smoke Testing	<b>Provide # of Lineal Feet Smoke Tested:</b> <hr/>			
Dye Testing				
Other Identification Activities Completed Not Listed Above:				

**2023 RESIDENTIAL/COMMERCIAL CONNECTION INSPECTION COMPLIANCE SUMMARY:**

- **Total # Residential Connections in Community :** \_\_\_\_\_
- **Total # Commercial Connections in Community:** \_\_\_\_\_
  - **TOTAL :** \_\_\_\_\_

Inspection Type	Total Inspections Completed in 2023	2023 Inspections Result – <i>Compliant Properties</i>	2023 Inspections Result – <i>Properties w/ Corrections Required</i>	Inspection Method(s)
Sump pumps/ foundation drain compliance				
Sewer service lateral condition				

**ATTACH separately a sheet(s) summarizing the inspection information from the table above:**

- Addresses of sewer service laterals inspected during 2023:
  - found to be compromised and requiring repair;
  - found to be in compliance
- Address of structures inspected for sump pump/foundation drain compliance in 2023:
  - found to require sump pump installation;
  - found to require foundation drain disconnections other than through use of a sump pump;
  - found to be in compliance with sump pump/foundation drain disconnection program requirements

#### **SUMMARY OF KEY COLLECTION SYSTEM MAINTENANCE/REPLACEMENT ACTIVITIES:**

- Summarize key system maintenance/replacement activities completed during 2023 to improve or maintain the integrity of the collection system (e.g., system cleaning). If none, write “None”.

#### **INFLOW AND INFILTRATION QUANTITATIVE PEAK FLOW ANALYSIS**

- Utilizing the precipitation and flow data supplied monthly by WLSSD, provide an analysis of peak flow increase or reduction achieved based on I/I reduction activities carried out in 2023 with comparisons made between 2022 and previous years.

**SANITARY SEWER USE ORDINANCE:**

- ☐ The WLSSD Inflow and Infiltration Ordinance requires individual municipal sewer service lateral and sump pump or foundation drain programs to be enforceable no later than February 15, 2022. Attach a copy of the section of the current sewer use ordinance for your community that addresses service lateral and sump pump or foundation drain compliance.

**INFLOW AND INFILTRATION PUBLIC AWARENESS/EDUCATION EFFORTS:**

- ☐ Describe or attach any educational information, informational meetings or presentations provided to the public concerning inflow and infiltration over the past 12 months.

**COLLECTION SYSTEM/BASIN MAP**

- ☐ Attach a current recent map/diagram of the community sanitary sewer collection system if any changes to the system in the past 12 months.

**CAPITAL IMPROVEMENTS PLAN (CIP)**

- ☐ If applicable, attach the section of the Capital Improvement Plan (CIP) for your community with regard to wastewater utilities that identifies future capital projects and schedule.



**COMMUNITY DEVELOPMENT PLANS:**

- Provide a brief narrative describing any substantial commercial, industrial, or residential developments or major sewer extensions that could occur within the next 12 months that could result in significant increases of wastewater flows along with which sewer basins would be impacted.

## SECTION II: 2024 INFLOW AND INFILTRATION REDUCTION WORK PLAN

2024 PLANNED INFLOW AND INFILTRATION REDUCTION/IDENTIFICATION ACTIVITIES: (attach additional sheet(s) if necessary)

Project	Project Type (select one)	Description of Project Need and Location/Basin	Amount Budgeted/Cost Estimate	Engineer's Estimate of I/I Reduction (GPD)
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			

2024 PLANNED INFLOW AND INFILTRATION REDUCTION/IDENTIFICATION ACTIVITIES (continued):

Project	Project Type (circle one)	Description of Project Need and Location/Basin	Amount Budgeted/Cost Estimate	Engineer's Estimate of I/I Reduction (GPD)
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			
	Reduction or Identification			

**SECTION III: 2023 – 2024 Fats, Oils and Grease (FOG) Program Summary**

- SUMMARY OF 2023 FOG INSPECTIONS:**

- A. In the table below, provide a summary of inspection activities and findings; including any non-compliant facilities (attach additional sheet(s) if necessary).
- B. Attach copies of completed inspection forms for each facility inspected in 2023

FOG Generator Name	Date of Inspection(s)	Inspector	FOG Equipment in Place? <i>(YES/NO)</i>	Type of Equipment in Place <i>(Grease Trap/Grease Interceptor/None)</i>	FOG Quantity Generated <i>(High/Medium/Low)</i>	Generator in Compliance with FOG Ordinance <i>(YES/NO)</i>

- SUMMARY OF 2023 FOG INSPECTIONS (Continued):

FOG Generator Name	Date of Inspection(s)	Inspector	FOG Equipment in Place? (YES/NO)	Type of Equipment in Place (Grease Trap/Grease Interceptor/None)	FOG Quantity Generated (High/Medium/Low)	Generator in Compliance with FOG Ordinance (YES/NO)

**COMMUNITY FOG GENERATOR INVENTORY:**

- Provide or attach an updated list of known FOG generators within your community and their current compliance status with local ordinance requirements regulating FOG discharge.

**ONGOING INSPECTIONS OF FOG ESTABLISHMENTS:**

- What is the intended plan for 2024 and beyond within your community to communicate with FOG generators and to complete routine inspections to determine they are taking proper measures to prevent FOG from entering the wastewater collection system?

## NEW OR EXPANDED FOG GENERATORS

- Identify (if any) new or expanded FOG generators that have occurred within your community in the past 12 months (attach additional sheet(s) if necessary).

New or Expanded FOG Generator Name	Facility Type	FOG Equipment in Place? (YES/NO)	Type of Equipment in Place (Grease Trap/Grease Interceptor/None)	FOG Quantity Generated (High/Medium/Low)	Generator in Compliance with FOG Ordinance (YES/NO)

## FOG ENFORCEMENT ACTIVITIES:

- Describe enforcement actions (if any) taken against generators with regard to compliance with your FOG Ordinance, including the name of the generator, the enforcement action taken, and the end outcomes.

**FOG VARIANCES:**

- Provide documentation for any variances granted to a FOG generating facility pursuant to section 3.1.3.H of the WLSSD FOG Ordinance. *(A municipal customer may grant a variance or conditional waiver if a FOG generating facility demonstrates to satisfaction of the municipality that any FOG discharge is negligible and will have insignificant impact on the sewer system (FOG generating facility must demonstrate that the discharge from its activities contains less than 100 mg/l of FOG.)*

**FOG PUBLIC AWARENESS/EDUCATION ACTIVITIES:**

- Attach copies of information distributed to residences or commercial establishments concerning FOG over the past 12 months.