

**SANITARY SEWER OVERFLOW and/or BASEMENT BACKUP
SATELLITE ENTITY INTERNAL SUMMARY**

Instructions: Use this form to document all sanitary sewer overflows and/or basement backup discharge occurrences. The following definitions apply:

Sanitary Sewer Overflow: the discharge of untreated sewage from the sanitary sewer collection system to a surface water, storm sewer or ditch, or the ground, due to the circumstances identified below.

Basement Backup: the discharge of untreated sewage into the lower level of a building due to the circumstances identified below.

Use one form per occurrence. A single occurrence may be longer than one day if the circumstance(s) causing the overflow and/or basement backup results in a discharge duration longer than 24 hours. If there is a start and restart of the overflow and/or basement backup within 24 hours and it is caused by the same circumstance(s), report it as a single occurrence. If discharge occurrences are separated by more than 24 hours, they should be reported as separate occurrences. If multiple overflows and/or basement backups occur resulting from the same circumstance, report it as a single occurrence.

The satellite entity must maintain all documentation and/or supporting information pertaining to information provided in this form on record and provide it to the MWRD if/when requested.

Satellite Entity: City of Highland Ridge

Sanitary Sewer Overflow and/or Basement Backup Details:

- Sanitary Sewer Overflow → Dry Weather Wet Weather (provide information below)
 Basement Backup → Dry Weather Wet Weather (provide information below)

Start Date (mm/dd/yy): 05/03/15 Time: 9:45 AM PM Duration (hours and minutes): 2:15

Estimated Volume (gallons): 1,350 Location (manhole number, address/major intersection, attach spreadsheet for multiple locations): MH 6-34, Lincoln and Main

Pump Used: No Yes Pump Capacity: n/a GPM

Circumstances Causing the Sanitary Sewer Overflow and/or Basement Backup (check all that apply):

- Rain Power Outage Collapsed Sewer Lift Station Failure
 Snow melt Equipment failure Blocked Sewer Forcemain Break
 Widespread Flooding Fats, Oils, Grease Roots Other (explain below)

Explain why the sanitary sewer overflow and/or basement backup occurred. For example, describe what equipment failed, what caused the power outage, or what caused the basement backup. Flooding should only be indicated as a cause if there is significant flooding caused by high river, stream or lake water levels, not just localized high water in the street.

Intense rainfall

Wet Weather Event Information (if applicable):

Start Date: 05/03/15 Time : 8:15 AM PM End Date: 05/03/15 Time : 3:45 AM PM

Amount of Rainfall (inches): 3.26 Amount of Snow Melt (Inches): 0.00 Contributing Soil Conditions (saturated, frozen, soil type): Damp; 1.5" of rain over previous 3 days

Peak 1-Hour Intensity (inches): 1.93 Rain Gauge Location: Public works garage

Where Did the Discharge from the Overflow and/or Basement Backup Go? (check all that apply)

- On the ground and absorbed into the soil

- Ditch: Name of surface water it drains into: _____
- Storm Sewer: Name of surface water it drains into: North Branch of Chicago River
- Surface water direct discharge: _____
- Basement Backup (number and use, i.e. residential, commercial, of buildings affected): _____
- Other (explain): _____

Actions to Correct This Occurrence and Prevent Future Overflows and/or Basement Backups:

1. Describe what actions were taken to minimize the volume of wastewater discharged from the overflow and/or basement backup reported on this form.

The Merrick Lane wet-weather storage facility was pumped down prior to the storm, and the gate valve at the facility remained fully open during the event to maximize utilization of storage volume.

2. Describe if the occurrence reported on this form is part of an area subject to frequent and/or patterns of occurrences and if investigations have been or are planned to be conducted to determine the cause of the frequent and/or patterns of occurrences.

Yes, this manhole is in one of the previously identified high-priority areas and is currently being investigated to locate sources of I/I. Smoke testing and dye tracing in this area is planned for summer 2015.

3. Describe what corrective actions are planned to prevent or minimize future sanitary sewer overflows and/or basement backups.

Money has been budgeted to rehabilitate manholes and mainline sewers in this area in 2016 and 2017. Following the I/I source investigations, notifications will be sent to private property owners to encourage the disconnection of private sector sources.

Final Determination for the Cause of the Overflow(s) and/or Basement Backup(s): (check one)

- Private Property Sewer → Explain: _____
- Municipal Sewer → Explain: During the peak of the rain event, flow exceeded the mainline sewer capacity, causing it to surcharge and overflow.

Report Completed By:

Name: _____
 Title: _____
 Street Address: _____
 City: _____ ZIP: _____
 Phone: _____
 Email: _____

Authorized Satellite Entity Representative:

Name: _____
 Title: _____
 Street Address: _____
 City: _____ ZIP: _____
 Phone: _____
 Email: _____

 Authorized Satellite Entity Signature

May 6, 2015

 Date