

**SHORT TERM REQUIREMENTS ANNUAL SUMMARY REPORT
INFILTRATION & INFLOW CONTROL PROGRAM**

Reporting Period: January 1st to December 31st, 2015

Satellite Entity: City of Highland Ridge

Latest version of sanitary sewer atlas is dated: November 2013

1. Condition Assessment Investigation & Rehabilitation of High Risk Sewers: (reporting year only, unless otherwise noted)

A. (Complete for first full year of IICP only) To complete the Condition Assessment; is credit requested for prior documented work?

No Yes → Submit documentation of previous work and summarize in 1.B.

B. Public Sector Investigation (attach map showing where investigation was performed):

Inspection Activity	Linear Feet or Number	% of System	% Cumulative ¹
CCTV	91,000	18.2	46.5
Smoke Testing	70,000	14.0	25.0
Dye Testing	3,200	0.6	0.6
Manholes	460	23.0	45.0
Lift Stations	8	100.0	100.0

C. Public Sector High Priority Deficiencies: (submit a Status of High Priority Deficiencies Form and CIP for those not corrected)

	Main Line	Manhole	Appurtenances	X-Connection
Identified	4	5	0	3
Corrected ²	3	3	0	1

D. Private Sector Investigation:

Number of Properties	% of Total System	Internal	External	Int. & Ext.
325	2.5	220	65	40

E. Private Sector I/I Sources:

	Identified	Corrected	Cumulative Total Remaining
Downspout ³	2	1	1
Cleanout with Defective/Missing Cover ³	3	2	1
Area Drain	3	0	3
Storm Sump w/divert valve	2	0	2
Storm Sump to Sanitary	7	3	4
Combination Sump	3	0	3
Unsealed Sanitary Sump	2	0	2
Window Well Drain	5	2	3
Foundation Drain	4	0	4
Lateral	32	0	32
Other:	0	0	0

¹Include prior years, dating back to first year for which condition assessment credit applies

² Submit a Status of High Priority Deficiencies Form and Capital Improvement Plan (CIP) for identified deficiencies not corrected during the reporting year.

³ Submit a Status of High Priority Deficiencies Form for identified deficiencies not corrected during the reporting year

2. Narrative Description of Progress Made Towards Private Sector Program Development:

Two pilot subdivisions – Meadow Ridge and Willow Glen – have been selected to start a building inspection program to identify illegally connected sump pumps. Approximately 325 properties in these two study areas have been inspected, as noted above. The city has implemented an incentive program to subsidize the cost to homeowners if they voluntarily disconnect their illegal sumps. The city council is currently considering a new sewer use ordinance that would enforce disconnection and provide financial assistance to property owners.

3. Narrative Description of Progress Made Towards Long Term Operation and Maintenance Program Development:

A plan and budgetary costs for citywide CCTV and mainline cleaning cycles has been developed. Acoustic testing has been performed in high priority areas to prioritize cleaning, and pipes subject to heavy sedimentation have been put on a shorter re-inspection cycle. A rate study is underway to determine whether sewer rates will need to be adjusted to pay for remediation of identified public sector sources and subsidies for private sector remediation. The city has also purchased six (6) flow meters and is currently flow monitoring the Meadow Ridge and Willow Glen subdivisions to prioritize future private sector investigations and measure progress toward I/I reduction.

4. Summary of Sanitary Sewer Overflows (SSOs) and Basement Backups (BBs)^{1,2}

¹Include only Reportable Events, which are wet weather SSOs, dry weather SSOs, and BBs caused by public sewer surcharging and blockages under either wet or dry conditions. Do not include BBs caused by collapse/blockage of the private service lateral.

²See Sanitary Sewer Overflow and/or Basement Backup Satellite Entity Internal Summary for definition of "Occurrences" as used in table below.

	# of Occurrences in Dry Weather	# of Occurrences in Wet Weather	# of Occurrences for which cause is known	# of Occurrences outside of High Priority Sewer service areas	# of Occurrences for which cause has been eliminated
SSOs	0	7	7	1	0
BBs	3	85	85	6	2

A. If the causes for any SSOs/BBs for have not been determined, please provide the reason(s): There is one dry-weather BB that is still being investigated by the city and homeowner. It is currently suspected that a temporary blockage in the lateral or mainline sewer caused the backup, but both have been televised and were found to be clear of obstructions.

B. If areas where any SSOs/BBs occurred are served by sewers that have **not** been classified or reclassified as High Priority Sewers, please provide the reason(s): During the May 3 storm event, there was one SSO and 6 reported backups that occurred outside of a previously identified high-priority area due to a power failure at a downstream lift station. A new backup generator has been installed.

C. If there are causes for any SSOs/BBs that have not been eliminated, please provide the reason(s): Remaining SSOs and BBs were caused by excessive I/I. Identification and remediation of I/I sources is underway, and these causes will have been considered eliminated upon completion.

Attachments:

- Condition Assessment Prioritization Form and Map (required with first submittal of this report only)
- Map showing locations of Condition Assessment activities in reporting year (required every year; if credit for pre-IICP condition assessments is sought, map should show locations of pre-IICP assessments)
- Status of High Priority Deficiencies Form (required for years any High Priority Deficiencies have not yet been corrected, and for years immediately succeeding)
- CIP (required for years any public sector High Priority Deficiencies have not yet been corrected)

Certification:

I hereby certify that the information provided in the Annual Report is true and correct

Signature: _____ **Date:** February 17, 2016

Printed Name: _____ **Title:** _____

Telephone: _____ **Email:** _____