# Annual Report on Compliance

# City of Bangor, Maine

Pursuant to the requirements of

United States and State of Maine v. City of Bangor Consent Decree

Civil Action No. 1:15-cv-00350-NT



January 31, 2016

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## **CERTIFICATION STATEMENT**

## CITY OF BANGOR, MAINE

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 fine and imprisonment for knowing violations.

Andrew Rudzinski

Director of Water Quality

Date

#### I. Introduction

The City of Bangor (the "City" or "Bangor") is pleased to submit this Annual Report on Compliance, pursuant to the requirements of the *United States and State of Maine v. City of Bangor Consent Decree*, Civil Action No. 1:15-cv-00350-NT, entered on November 13, 2015 (the "Consent Decree"), for the reporting period beginning on January 1, 2015, and ending on December 31, 2015. The Consent Decree supersedes a consent decree agreed to by the United States, the State of Maine, and the City in 1991 (the "1991 Consent Decree").

#### II. Status of Compliance

# A. Submittals Required by the Consent Decree during the Reporting Period

<u>Date Submitted</u>	<u>Deliverable</u>
May 15, 2015	April 2015 Biannual Compliance Report (per the 1991 Consent Decree) – CSO Flow Data
June 30, 2015	GIS Deliverable (per Par. 9.a of the Consent Decree)
September 3, 2015	Revision to GIS Deliverable, originally submitted on June 30, 2015
September 28, 2015	MS4 Permit Year 2 Report, 2013-2018 Permit Cycle (per Par. 10 of the Consent Decree)
Various	ADS Flow Monitoring Reports beginning with May 2015, within 10 days of the date of receipt of the report by the City (per Par. 22 of the Consent Decree)

## B. Identification of any Non-Compliance

No non-compliance with the requirements of the Consent Decree was identified for the 2015 reporting period.

## **III.** Compliance Activities

#### A. Measures Taken to Reduce CSO and SSO Volumes

#### 1. Capital Improvement Projects (CIP)

New Capehart Sewer Replacement Project (Airport Subsection): The New
Capehart Sewer Replacement project reached substantial completion on July 31,
2015. The City replaced approximately 6,000 linear feet of 8-inch vitrified clay
(VC) sewer line that was prone to infiltration with new polyvinyl chloride (PVC)

pipe on Mitchell Street, Langley Street, Bolling Drive, and cross country areas. The sewer mains were relocated from lawn areas to the middle of roadways, wherever possible. Additionally, 2,600 linear feet of private VC sewer laterals were replaced with new PVC within the public right-of-way as part of this project. Bolling Drive was listed as a trouble spot in the City's Maintenance Improvement Plan (MIP) because roots had penetrated the main line and the slope was flat, which were likely contributing factors to a sanitary sewer overflow (SSO) which occurred on Bolling Drive on January 14, 2012. This project is expected to mitigate extraneous flows as well as this trouble spot, as the new PVC pipe is not as prone to cracking and the slopes in the project area were steepened where possible. The first combined sewer overflow (CSO) outfall downstream of this project area is CSO 011 - Meadowbrook.

- Allen Court (Kenduskeag West Subsection): Approximately 134 linear feet of 8-inch diameter VC separated sanitary sewer was replaced using pipe bursting in the cross country area between Court Street and the Kenduskeag Stream. This sewer main had root intrusion through defects in the VC pipe which was a likely contributing factor to an SSO which occurred on that line on March 14, 2014. This project is expected to mitigate extraneous flows as well as this trouble spot. The first CSO downstream of this project area is CSO 009 Hammond.
- <u>Hammond Street Phase I Sewer Rehabilitation:</u> Approximately 900 linear feet of 24-inch by 18-inch brick sewer was replaced between Union Street and Ohio Street prior to a Maine Department of Transportation resurfacing project. The purpose of this project was to improve access, reduce inflow and infiltration (I/I), and upgrade the utility prior to the surface restoration project. The first CSO downstream of this project area is CSO 009 Hammond.
- Removed source of I/I from abandoned connection (Davis Brook Subsection):
   The sewer crew removed a source of inflow from a service connection for a former building located at 19 Bowdoin Street after verifying that it was abandoned. This first CSO downstream of this repair is CSO 003 Davis Brook.
- <u>Sewer Spot Repairs Contract (Various Subsections)</u>: Several defects identified during closed-circuit television (CCTV) work were repaired during 2015. These defects, found primarily through CCTV inspections, potentially allow infiltration into the collection system or become trouble spots that require frequent maintenance. A complete list of repairs, replacements, and upgrades identified through CCTV work, as well as the date repaired, is included in Appendix D (CCTV Repair Replacement and Upgrade Log). See Section III.C.3 (Repairs, Replacement, or Upgrades Identified by CCTV) of this report for additional information.

- Davis Court and First Street Utility Upgrades Project (Davis Brook Subsection): This project continued the sewer separation work performed as part of the Main Street 2014 Sewer Separation Project. Approximately 480 linear feet of brick sewer was replaced, and 600 linear feet of new storm drain was installed on Davis Court and First Street. The purpose of this project was to improve access, upgrade utilities downstream of a planned development area, and reduce I/I. The City took the opportunity to partner with the Bangor Water District, who upgraded their water main, to share costs related to contractor mobilization and surface restoration. The sewer and stormwater portion of the work reached substantial completion on November 13, 2015. Bangor's CSO 003 Davis Brook is immediately downstream of this project area.
- Park Street Sewer Repair (Kenduskeag East Subsection): City staff observed a leak at the base of the retaining wall behind City Hall. A sample was taken and analyzed to determine the source of the leak. The sample tested positive for *E. coli*. Follow-up CCTV work revealed a large hole in the sewer line. The City's current on-call contractor mobilized to the site and performed a spot repair. After the repair it was determined the line was still leaking, so the contractor replaced approximately 650 linear feet of brick sewer with new PVC sewer, and installed new manholes as there was formerly no access to the sewer. Flows that leaked from the sewer system flowed into a catch basin on City Hall property which is connected to the combined sewer system. Water was observed leaking from the bottom of the retaining wall after the repair was completed. Follow-up testing performed in late 2015 indicated that human *Bacteroides* were still present in the leak. Follow up investigations will be conducted in 2016. The first CSO outfall downstream of this project area is CSO 023 Central.
- Pearl Street Sewer Relining (Carr Brook Subsection): Approximately 177 feet of 12-inch diameter VC sewer that runs cross-country between Pearl Street and Fruit Street was rehabilitated using ultraviolet lining technologies. This line is located underneath buildings and had several cracks, roots, and breaks. This project was undertaken to decrease the possibility of a future collapse and to reduce extraneous flows. The first CSO outfall downstream of this project area is CSO 020 Carr Brook.
- Court Street Sewer Separation Project (Kenduskeag West Subsection): The
  City's consultant, AECOM, began design and preparation of contract documents
  for this project which is the second phase of a sewer separation project that was
  completed in 2014 in conjunction with demolition of the City's former Police
  Station (Phase I). In this second phase (Phase II) separation work will be
  continued upstream of the Phase I area and will separate approximately 650
  additional linear feet of combined sewer on Court Street, between Bean Court

and Boynton Street. The first CSO outfall downstream of this project area is CSO 009 – Hammond.

#### 2. Weir and Regulator Adjustments

• No weirs or regulators were adjusted during the reporting period.

#### 3. Other

- Conducted activities in preparation for submittal of the Phase II Long Term Control Plan (LTCP) due on January 31, 2017, as described in Section VI (LTCP) of this report.
- Posted the Consent Decree to the City of Bangor's website at
   <a href="http://www.bangormaine.gov/filestorage/318/350/7758/ENV\_ENFORCEMENT.PDF">http://www.bangormaine.gov/filestorage/318/350/7758/ENV\_ENFORCEMENT.PDF</a>. The City prepared standard language to use in contract documents notifying contractors that they need to familiarize themselves with the document and make it available to all subcontractors.
- Conducted Sewer System Evaluation Survey (SSES) in Dow and Airport Subsections as described in further detail in Section V (Sanitary System Evaluation Survey) of this report.
- Continued clearing cross country sewer easement areas.
- Performed visual inspection of cross country sewer easements twice, in the May/June and October 2015 timeframes.
- Inspected CSO tanks as follows: Davis Brook on June 8, 2015; Barkersville on June 18, 2015; Kenduskeag East on July 31, 2015.
- Repaired holes in Davis Brook CSO tank on August 3, 2015.
- Deployed flow meters in strategic locations around the City to collect flow data within the collection system to support the SSES and LTCP programs.
- Reviewed capacity requests for proposed development.
- Retained AECOM to assist with various collection system and treatment plant upgrades.
- Continued updating and maintaining the City's Geographic Information System (GIS) throughout the reporting period as projects were completed or as new information about infrastructure became available.

• Rebuilt an access road from the end of Garden Way and Drew Lane to improve CCTV and flushing equipment access to the cross country sewer located in the Meadowbrook Subsection just north of Interstate 95.

#### 4. Annual CSO Progress Report

The City of Bangor monitors flow at each of its CSO outfalls, either through the Supervisory Control and Data Acquisition (SCADA) system, a contract with ADS Environmental Services for electronic flow meters, or visual means. These data were used to prepare the Annual CSO Progress Report for 2014, which was submitted to MEDEP on February 27, 2015, pursuant to the requirements of the City's Maine Pollutant Discharge Elimination (MEPDES) permit ME0100781, dated May 26, 2011.

The CSO volumes and events for 2014 were provided to EPA on May 15, 2015, as part of the City's Biannual Compliance Report pursuant to the requirements of the 1991 Consent Decree, Par. 16(B).

The Annual CSO Progress Report for 2015 is due to MEDEP on March 1, 2016. A copy of the report will also be submitted to EPA.

#### **B.** Illicit Connections

#### 1. List of Illicit Connections

The following table lists the illicit connections that were discovered within the reporting period:

ID Number	Date Discovered	Address or Location	Estimated Flow and Type	Date Removed
15-1	4/7/15	Bangor Radiator on Maine Avenue	potential discharge from floor drains connected to storm line	4/8/15
15-2	4/29/15	363 Mt Hope Avenue	270 gpd sanitary flow from house improperly connected to storm line	5/7/15
15-3	5/7/15	61 Brewster Street	270 gpd sanitary flow from house improperly connected to storm line	5/8/15
15-4	11/13/15	62 Brewster Street	270 gpd sanitary flow from house improperly connected to storm line	11/19/15

**Table 1: Illicit Connections** 

#### 2. GIS Map of Each Illicit Connection

The locations of any illicit connections that were discovered within the reporting period are shown in Appendix A (Location Map of Illicit Connections).

#### C. Collection System Assessments and Maintenance

The length of the inspectable portion of the City's sewer collection system is approximately 723,454 feet, or 137 miles. The length of the remaining components of the sewer collection system, including interceptors, force mains, siphons, and leads, is approximately 77,332 linear feet, or 14 miles. Generally, interceptors, force mains, siphons, and leads are not able to be inspected using CCTV or flushed under normal operating circumstances using standard industry practices. There are approximately 3,244 public manholes in the collection system.

#### 1. CCTV Assessments

The City and/or its subcontractors completed CCTV inspections on 121,864 linear feet of sewer within the publicly owned sewer collection system in 2015, which is 16.8% of the inspectable portion of the sewer collection system. This amount includes repeat CCTV inspections. The total length of pipe CCTV'd excluding repeat inspections is 108,502 linear feet, or 15.0% of the inspectable portion of the sewer collection system. Refer to Appendix B (CCTV Inspection Log) for a complete listing of CCTV inspections completed during the reporting period.

#### 2. Manhole Assessments

The City and/or its subcontractors completed manhole inspections on 654 publicly owned sewer collection system manholes in 2015, which is 20.2% of the total number of public manholes in the system. This amount includes repeat inspections. The total number of manholes inspected excluding repeats is 611 manholes, or 18.8% of the total number of public manholes in the system. Refer to Appendix C (Manhole Inspection Log) for a complete listing of inspections completed during the reporting period.

#### 3. Repairs, Replacements, or Upgrades Identified by CCTV

Refer to Appendix D (CCTV Repair, Replacement, and Upgrade Log) for a listing of repairs, replacements, or upgrades that were identified during CCTV investigations, as well as a schedule for implementation for those repairs, replacements, or upgrades scheduled during the next reporting period.

#### 4. Cleaning

The City and/or its subcontractors cleaned 142,305 linear feet of pipe within the publicly owned sewer collection system in 2015, which is 19.7% of the length of the inspectable portion of the sewer collection system. The total length of pipe cleaned excluding repeat cleanings is 95,950 linear feet, or 13.3% of the inspectable portion of the sewer collection system. Refer to Appendix E, (Cleaning Log), for a complete listing of cleaning completed during the reporting period. This includes cleaning done in advance of CCTV work and performed as part of routine maintenance activities. Note that lines are not always cleaned in advance of CCTV work, as sometimes it is beneficial to perform a CCTV investigation on a pipe without prior cleaning.

#### D. Maintenance Improvement Plan (MIP)

As part of the City's annual MIP update, the City updates the following information and performance metrics on a yearly basis:

#### Plan Updates

- Organizational Structure, Information Management, Contacts
- Changes to System Maps
- Incorporation of Cleaning, Inspection, and Assessment Programs
- Changes to Sewer Use Ordinance or Fats, Oils, and Grease Program
- Changes to Pump Station Inspection and Maintenance Program
- Collection System Capacity Analysis Updates

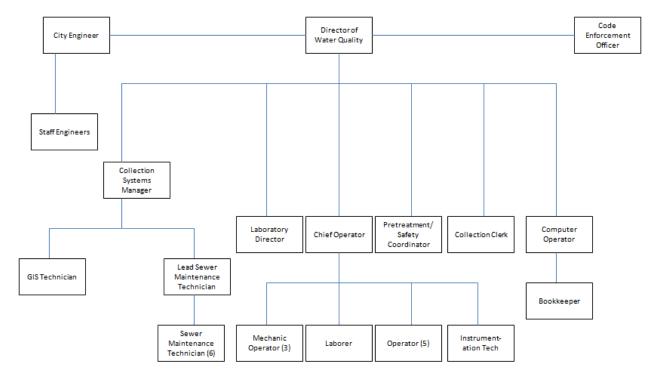
#### Performance Metrics

- SSOs
- Routine Cleaning and CCTV Assessment
- Pump Station Work Orders
- Fats, Oils, and Grease

The MIP update incorporates these changes where indicated and described below:

#### 1. Plan Updates

a) Organizational Structure, Information Management, Contacts



**Table 2: Organizational Structure** 

All requests and correspondence are channeled through the Director of Water Quality, who will either address the request or engage appropriate staff. The following provides a brief description of key positions serving the City's Wastewater Treatment Plant (WWTP) operations:

- Director of Water Quality: Oversees and supervises the operations of the wastewater treatment plant, the wastewater collection system, and the stormwater system.
- City Engineer: Oversees and supervises the operations of the Engineering Department and provides support to other departments as necessary regarding regulatory and technical issues.
- Staff Engineer: Assists with compliance activities and prepares reports. Designs, bids, and provides construction oversight for infrastructure upgrades.
- Collection Systems Manager: Manages all collection system field operations and maintenance activities except pumping stations, leads response to service calls, investigates and reports SSOs, and trains field crews.
- Sewer Maintenance Tech: Conducts staff operations and maintenance activities, mobilizes
  and responds to service calls, operates closed circuit television inspection unit, records and
  evaluates collected data on sewage and storm line systems and recommends improvements
  or repairs.

- Pretreatment/Safety Coordinator: Directs and monitors industrial pretreatment program, including sampling and inspection of permitted facilities; maintains written records and computer tracking system of licensed facilities to ensure compliance with Federal and State regulations. Serves as Safety Coordinator for the Department of Water Quality.
- GIS Technician: Responsible for utility mapping and attribution and communicating with various city departments to keep sewer collection system maps up to date. Provides field support.
- Code Enforcement: Conducts inspections related to Fats, Oils and Grease (FOG)
  requirements. Responsible for ensuring facilities come into compliance with City's policies
  regarding FOG.

#### b) Changes to System Maps

The collection system maps are updated continuously throughout the year as part of the City's ongoing GIS infrastructure mapping program. The GIS dataset containing sewer, stormwater, and other relevant features is provided to EPA annually on July 1 pursuant to Par. 9.a. of the Consent Decree.

#### c) Incorporation of Cleaning, Inspection, and Assessment Programs

The City established a goal in the MIP to clean, inspect, and assess 10% of its sewer collection system per year. The lists of pipe that were inspected and cleaned during the reporting period are included in Appendices B (CCTV Inspections) and E (Cleaning Log), respectively. The list of manholes that were inspected during the reporting period is included as Appendix C (Manhole Inspection Log).

# d) Changes to Sewer Use Ordinance or Fats, Oils, and Grease Program The sewer use ordinance was not amended during the reporting period. The Fats, Oils, and Grease Program is now administered by Code Enforcement rather than the Protreatment /Safety

Program is now administered by Code Enforcement rather than the Pretreatment/Safety Coordinator.

#### e) Changes to Pump Station Inspection and Maintenance Program

The Pump Station Inspection and Maintenance Program did not undergo any changes during the reporting period.

#### f) Collection System Capacity Analysis Updates

The City maintains a hydraulic model of selected portions of its collection system, in part to assist in evaluating available capacity in the collection system. The model was developed using the EPA Stormwater Management Model (SWMM) module and periodically updated by the City's previous consultant, CH2M Hill. In preparation for the City's CSO Phase II LTCP submittal (due January 31, 2017), the City's consultant, AECOM, obtained and worked with the City's existing SWMM model, as follows:

- Reviewed the SWMM model provided by the City's previous consultant
- Extended the model network further upstream in selected areas
- Started to refine the subcatchment delineation in preparation for the calibration update
- Established a multi-phased flow metering program to collect flow data for the model calibration
- Updated the model to include recently constructed sewer separation projects
- Reviewed and selected the typical year used in the SWMM analysis
- Updated the model with control structure weir adjustments made since the last model update

SWMM model update work will continue during the 2016 reporting period.

#### 2. Performance Metrics

#### a) SSOs

For a detailed listing of SSO events that occurred during the reporting period, refer to Appendix F (SSO Event Log).

**Table 3: Summary of MIP Progress Parameters** 

Total Number of SSOs	23
Estimated Total Volume of SSOs (of 9 events where volume was known)	Greater than 16,000 gallons
Number of dry weather SSOs	4
Number of wet weather SSOs	17
Number of SSOs where weather was either unknown or irrelevant to type of incident	4
Number of SSOs caused primarily by Pipe Blockage (Debris, Grease)	1
Number of SSOs caused primarily by Pipe Failure	1
Average Response time to SSOs or Service Calls	Within one hour of notification

#### b) Routine Cleaning and CCTV Assessment

For the total amount of collections system pipe that was inspected by CCTV and cleaned during the reporting period, refer to Appendices C (CCTV Inspection Log) and F (Cleaning Log), respectively.

#### c) Pump Station Work Orders

There were 64 pump station work orders completed during the reporting period.

#### d) Fats, Oils, and Grease

During the reporting period, the City's Plumbing Inspector inspected the installation of 20 grease control devices.

The City continued outreach to facilities that were believed to have inadequate grease controls. Letters were sent to 18 facilities in an effort to bring the facilities into compliance with the City's FOG policies. As a result of follow-up activities, two facilities were found not to be required to have grease controls; four facilities were found to have already had grease controls in place, but had failed to note it on their victualers licensing applications; and nine establishments received permits for and installed grease controls. The remaining three facilities are currently working with Code Enforcement. It is anticipated that these facilities will be brought into compliance in 2016.

#### IV. Sanitary Sewer Overflows (SSOs)

#### A. Chronological List of SSOs

There were 23 SSOs that occurred during 2015. Refer to Appendix F (SSO Event Log) for a complete listing of any SSOs that occurred within the reporting period, as well as details regarding each incident.

#### B. GIS Map of Each SSO

Location maps of SSOs that occurred within the reporting period are included as Appendix G (Location Map of Sanitary Sewer Overflows).

## V. Sanitary System Evaluation Survey (SSES)

## A. SSES Report

During the reporting period, as described below, SSES investigations began in the Airport and Dow Subsections.

#### 1. Airport Subsection

As identified in the SSES Phase II SOW, approved by EPA and MEDEP on March 24, 2015, the Airport Subsection was the subject of flow isolation work initiated in the spring of 2015.

#### a) All Known Sources of Inflow and Infiltration

#### (1) List of Public and Private Sources Identified

The following table lists each identified source of I/I discovered as a result of the SSES investigations conducted during the reporting period, along with a determination of whether or not the source is considered to be public, private, or potentially both.

Table 4: All Known Sources of Inflow and Infiltration, Airport Subsection

Location of Source – From Manhole	Location of Source – To Manhole	Location of Source - Street	Type of Source (Pipe segment, Catch Basin, Roof drain, etc.)	Mechanism (Inflow, Infiltration, or Both)	Origin of Source (Public, Private, or Both)
AP024	AP023	Godfrey Blvd Cross Country	Pipe Segment	Infiltration	Public
AP025	AP024	Godfrey Blvd	Pipe Segment	Infiltration	Public
AP202	AP203	Mitchell St Cross Country	Pipe Segment	Infiltration	Public
AP406	AP405	Johnson St Cross Country	Pipe Segment	Infiltration	Public
AP408	AP407	Johnson St	Pipe Segment	Infiltration	Public
AP409	AP408	Johnson St	Pipe Segment	Infiltration	Public
AP412	AP411	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
AP413	AP412	Texas Ave Cross Country	Pipe Segment	Infiltration	Public & Private
AP414	AP413	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
AP414A	AP414	Texas Ave Cross Country	Pipe Segment	Infiltration	Public & Private
AP415	AP414A	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
AP416	AP415	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
AP430	AP405	Florida Ave	Pipe Segment	Infiltration	Public

Location of Source – From Manhole	Location of Source – To Manhole	Location of Source - Street	Type of Source (Pipe segment, Catch Basin, Roof drain, etc.)	Mechanism (Inflow, Infiltration, or Both)	Origin of Source (Public, Private, or Both)
		Cross Country			
AP440	AP408	Florida Ave	Pipe Segment	Infiltration	Public
AP441	AP440	Florida Ave	Pipe Segment	Infiltration	Public
AP470	AP411	Maine Ave	Pipe Segment	Infiltration	Public
AP603	AP602	Maine Ave Parking Lot	Pipe Segment	Infiltration	Public
AP604	AP603	Polk St Cross Country	Pipe Segment	Infiltration	Public
AP605	AP604	Polk St Cross Country	Pipe Segment	Infiltration	Public
AP700	AP603	Utah Ave Cross Country	Pipe Segment	Infiltration	Public
AP701	AP700	Utah Ave Cross Country	Pipe Segment	Infiltration	Public
AP702	AP701	Utah Ave Cross Country	Pipe Segment	Infiltration	Public
AP703	AP702	Utah Ave	Pipe Segment	Infiltration	Public
AP740A	AP700	Utah Ave Cross Country	Pipe Segment	Infiltration	Public
AP754	AP753	Griffin Rd Cross Country	Pipe Segment	Infiltration	Public
AP755	AP754	Griffin Rd Cross Country	Pipe Segment	Infiltration	Public
AP756	AP755	Griffin Rd Cross Country	Pipe Segment	Infiltration	Public
AP757	AP756	Griffin Rd Cross Country	Pipe Segment	Infiltration	Public
AP758	AP757	Griffin Rd	Pipe Segment	Infiltration	Public

#### (2) Scope of Investigation

The City's consultant, AECOM, subcontracted with the Ted Berry Company to perform SSES field investigations. Flow isolation work began on April 14, 2015, and ended on May 19, 2015, which was considered to be the seasonal high groundwater period. Data was collected generally between the hours of 11:00 p.m. and 5:00 a.m. Typically, the upstream manhole of each manhole to manhole segment was plugged. The flow was measured in the downstream manhole of each segment using pre-calibrated weirs.

A total of 43,494 linear feet of sewer pipe in the Airport Subsection was analyzed during 2015. The flow isolation data was normalized by AECOM to calculate infiltration as gallons per day per inchmile of pipe. Further CCTV analysis during the seasonal high groundwater period was performed for any pipe segment that had an infiltration rate higher than 4,000 gallons per day per inch-mile.

Areas that were not included in the investigation were those that were scheduled for replacement under the City's 5-year CIP or pipe segments being replaced as part of the New Capehart Sewer Rehabilitation Project. Some of the planned flow isolation work in the Airport Subsection (totaling approximately 9,500 linear feet) could not be completed prior to the close of the seasonal high groundwater period and is scheduled to be completed during the spring of 2016 high groundwater period.

#### (3) Potential Impact Areas

Excess flows from the Airport Subsection could ultimately contribute to CSOs at the Meadowbrook, Kenduskeag West, Davis Brook, or Barkersville outfall locations. In the recent past, SSOs in the Airport Subsection have occurred either solely or in part due to wet weather on Utah Avenue, the Public Works property on Maine Avenue, the New Capehart neighborhood (Bolling Drive and cross country areas), Griffin Road, and Maxwell Lane. Excess flows from the Airport Subsection could ultimately overwhelm and contribute to wet weather capacity related SSOs in the Kenduskeag Interceptor sewers, the Meadowbrook Subsection, the Kenduskeag West Subsection, the May Street Subsection, the Davis Brook Subsection, the Davis Brook CSO tank, the Penobscot Interceptor sewer, or any portions of the collection system that are hydraulically influenced by any of these areas.

#### b) Private Sources of Excessive Inflow and Infiltration

While the flow isolation work identified locations where potential private sources of infiltration could be occurring, the potential private sources have not yet been verified to belong to a specific address. All I/I sources discovered to date as part of the SSES work have been included in Table 4. Further analysis of private sources to determine excessive I/I will be conducted once the SSES work for the entire subsection has been completed.

#### c) Exfiltration

#### (1) List of Known or Suspected Locations

As a follow up to IDDE sampling, samples collected by City staff in the Domestic Canal (located on a parcel owned by the Airport northeast of the intersection of Godfrey Boulevard and Maine Avenue) showed evidence of *E. coli* and human *Bacteroides*. It was suspected that the source of the

contamination was exfiltration coming from a break in the sewer line near the canal. (See subsection (2) below).

#### (2) Methodology Used to Identify Exfiltration

As part of its IDDE program, the City conducted dye testing of several nearby buildings to try to determine if the source of contamination was an illicit connection. After verifying that all buildings were properly connected to a sanitary sewer line, the City CCTV'd the sewer line and observed that a break in the sewer line may be allowing flows to escape into the canal through groundwater.

## $(3) \ Assessment \ of \ Inflow \ and \ Infiltration \ Mitigation \ as \ Remedial \ Measures$

City staff met to discuss the scope of the repair, and to revisit a conceptual plan of a sewer reroute that would abandon a redundant, unused portion of the system and reduce infiltration. The City determined it could move forward with that concept and began the process of mobilizing the small spot repair contractor and contacting the lessee operating a compressed natural gas facility on the property that the existing sewers crossed in multiple locations. During the last weeks of 2015, the contractor began the process of ordering materials and manhole structures necessary for the repair, which is anticipated to be completed during the first quarter of 2016.

#### (4) Additional Necessary Remedial Measures

After the repair is completed, the City will conduct follow up testing as part of its IDDE program to confirm whether the source of contamination has been eliminated or if any further repairs are needed.

#### 2. Dow Subsection

As identified in the SSES Phase II SOW, approved by EPA and MEDEP on March 24, 2015, the Dow Subsection was the subject of flow isolation work initiated in the spring of 2015.

#### a) All Known Sources of Inflow and Infiltration

#### (1) List of Public and Private Sources Identified

The following table lists each identified source of I/I discovered during the SSES investigation during the reporting period, along with a determination of whether or not the source is considered to be public, private, or potentially both.

Location of Source – From Manhole	Location of Source – To Manhole	Location of Source - Street	Type of Source (Pipe segment, Catch Basin, Roof drain, etc.)	Mechanism (Inflow, Infiltration, or Both)	Origin of Source (Public, Private, or Both)
DW018	DW017	Maine Ave	Pipe Segment	Infiltration	Public
DW022	DW021	General Aviation Parking Lot	Pipe Segment	Infiltration	Public

Table 5: All Known Sources of Inflow and Infiltration, Dow Subsection

Location of Source – From Manhole	Location of Source – To Manhole	Location of Source - Street	Type of Source (Pipe segment, Catch Basin, Roof drain, etc.)	Mechanism (Inflow, Infiltration, or Both)	Origin of Source (Public, Private, or Both)
DW201	DW200	Nason Ave Cross Country	Pipe Segment	Infiltration	Public
DW203	DW202	Nason Ave Cross Country	Pipe Segment	Infiltration	Private
DW204	DW203	Nason Ave Cross Country	Pipe Segment	Infiltration	Private
DW251	DW250	Mildred Ave	Pipe Segment	Infiltration	Private
DW252	DW251	Mildred Ave	Pipe Segment	Infiltration	Public & Private
DW255	DW203	Mildred Ave	Pipe Segment	Infiltration	Public & Private
DW017	DW450	Maine Ave	Pipe Segment	Infiltration	Public
DW451	DW450	Equipment Maintenance Parking Lot	Pipe Segment	Infiltration	Public
DW022	DW600	General Aviation Parking Lot	Pipe Segment	Infiltration	Public
DW606	DW605	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
DW607	DW606	Texas Ave Cross Country	Pipe Segment	Infiltration	Public
DW609	DW608	University Dr	Pipe Segment	Infiltration	Public
DW610	DW609	University Dr	Pipe Segment	Infiltration	Public
DW611	DW610	Venture Way Cross Country	Pipe Segment	Infiltration	Public
DW612	DW611	Venture Way Cross Country	Pipe Segment	Infiltration	Public
DW650	DW022	General Aviation	Pipe Segment	Infiltration	Public

Location of Source – From Manhole	Location of Source – To Manhole	Location of Source - Street	Type of Source (Pipe segment, Catch Basin, Roof drain, etc.)	Mechanism (Inflow, Infiltration, or Both)	Origin of Source (Public, Private, or Both)
		Parking Lot			
DW660	DW600	General Aviation Parking Lot	Pipe Segment	Infiltration	Public
DW661	DW660	General Aviation Parking Lot	Pipe Segment	Infiltration	Public

#### (2) Scope of Investigation

The City's consultant, AECOM, subcontracted with the Ted Berry Company to perform SSES field investigations. Flow isolation work began on April 14, 2015, and ended on May 19, 2015, which was considered to be the seasonal high groundwater period. Data was collected generally between the hours of 11:00 p.m. and 5:00 a.m. Typically, the upstream manhole of each manhole to manhole segment was plugged. The flow was measured in the downstream manhole of each segment using pre-calibrated weirs.

A total of 21,927 linear feet of sewer pipe in the Dow Subsection was analyzed during 2015. The flow isolation data was normalized by AECOM to calculate infiltration as gallons per day per inchmile of pipe. Further CCTV analysis during the seasonal high groundwater period was performed for any pipe segment that had an infiltration rate higher than 4,000 gallons per day per inch-mile.

Areas that were not included in the investigation were those that were scheduled for replacement under the City's 5-year CIP. Some planned flow isolation work in the Dow Subsection (totaling 10,400 linear feet) could not be completed due to the close of the seasonal high groundwater period, and is scheduled to be completed during the spring of 2016 high groundwater period.

#### (3) Potential Impact Areas

Excess flows from the Dow Subsection could ultimately contribute to CSOs at the Barkersville outfall location. In the recent past, a SSO in the Dow Subsection has occurred in part due to wet weather on the Dow trunk sewer near the interchange of Interstate 395 and Route 202. Excess flows from the Dow Subsection could ultimately overwhelm and contribute to wet weather capacity related SSOs in the Barkersville Subsection, the Penobscot Interceptor, or any portions of the collection system that are hydraulically influenced by these areas.

#### b) Private Sources of Excessive Inflow and Infiltration

While the flow isolation did locate places where potential private sources of infiltration could be occurring, the potential private sources have not yet been verified to belong to a specific address. All I/I sources discovered to date as part of the SSES work have been included in Table 4. Further

analysis of private sources to determine excessive I/I will be conducted once the SSES work for the entire subsection has been completed.

#### c) Exfiltration

(1) List of Known or Suspected Locations

No known or suspected exfiltration issues in the Dow Subsection were identified.

(2) Methodology Used to Identify Exfiltration

Not applicable.

(3) Assessment of Inflow and Infiltration Mitigation as Remedial Measures

Not applicable.

(4) Additional Remedial Measures

Not applicable.

#### B. SSES Next Phase Scope of Work (SOW)

The Phase III SSES SOW is due on January 31, 2017.

## VI. CSO Long-Term Control Plan (LTCP)

The LTCP for the next phase of CSO Control is due on January 31, 2017. The City and AECOM held several meetings throughout the reporting period to discuss progress in preparation for the 2017 LTCP submittal. As part of this effort, AECOM is working on updating the SWMM model as was described in Section III.D.1.f. In addition to the SWMM updates, work began on a review of wet weather operations at the WWTP and CSO storage tanks and trends in annual CSO discharge volumes and activations.

## VII. Compliance Activities Planned for Following Reporting Period

The following activities, in no particular order, are planned for the next reporting period in order to achieve compliance with the requirements of the Consent Decree and reduce CSO and SSO volumes:

- Locate and redirect illicit connections as part of Municipal Separate Storm Sewer System (MS4) permit compliance activities.
- Continue work under the City's Sewer Spot Repair Contract to prioritize and repair trouble spots and other defects in the collection system.
- Begin preliminary work on a Biotower Upgrade at the WWTP.
- Begin preliminary work on the Hammond Street Phase II Sewer Rehabilitation Project.

- Begin preliminary work on sewer rehabilitation work on Middle Street and Cross Street.
- Continue work with consultant on modeling, to determine if capacity is available to make further adjustments on CSO weirs and regulator structures.
- Clean, perform CCTV inspections, and identify upgrades, repairs, or replacements needed in the collection system, covering a minimum of 10% of the collection system per year. Areas of focus for the next reporting period include the Airport, Dow, Carr Brook, Kenduskeag East, Davis Brook, and Barkersville Subsections.
- Continue collection system maintenance activities such as easement clearing and easement inspections.
- Discontinue cross connection piping that could potentially allow stormwater into the sanitary sewer on McLaughlin Street and Thirteenth and Fourteenth Street.
- Submit the Annual CSO Progress Report to DEP and EPA, due on or before March 1, 2016.
- Conduct limited SSES work specific to a future CSO project in the Kenduskeag East Subsection, and finish SSES work in Airport and Dow Subsections prior to December 31, 2016, including identification of private sources and framework for a public education plan.
- Conduct follow-up investigations in the Park Street area.
- Complete the new sewer installation in the Domestic Canal area in the Airport Subsection and conduct follow-up investigations as necessary.
- Submit plans of the Court Street Sewer Separation project, due on or before January 31, 2016 for review and approval.
- Complete construction of the Court Street Sewer Separation project on or before December 31, 2016.
- Prepare Phase II LTCP submittal due January 31, 2017.
- Prepare phase 3 SSES SOW due January 31, 2017.
- Inspect CSO tanks twice annually, during high tide.

Note that certain of the above-described tasks planned for the next reporting period may be subject to adjustment due to changing priorities, (including, among other things, the need to prioritize

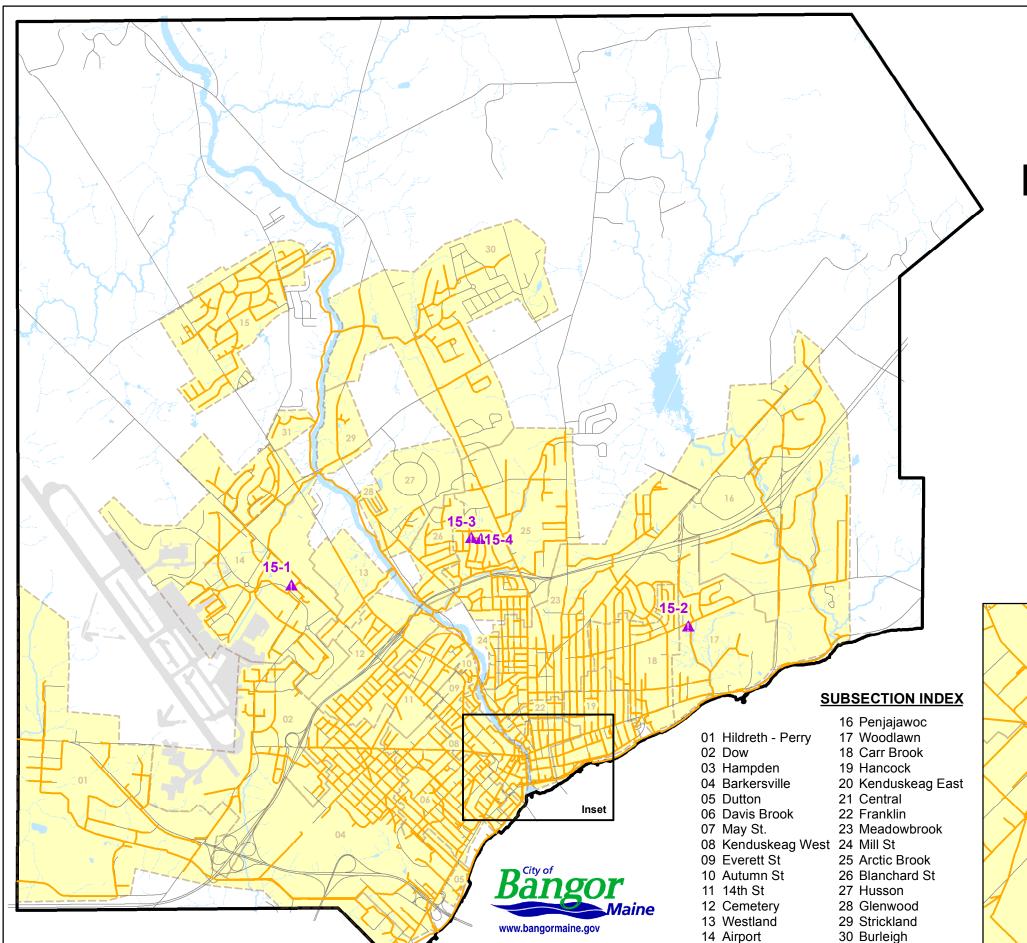
# Annual Report on Compliance

CY2015

emergency repairs) and to take advantage of opportunities that may arise to align capital projects with other utility or roadway resurfacing work.

## **Appendices**

- A. Location Maps of Illicit Connections
- **B.** Location Maps of Sanitary Sewer Overflows
- C. CCTV Inspection Log
- D. Manhole Inspection Log
- E. CCTV Repair, Replacement, and Upgrade Log
- F. Cleaning Log
- G. SSO Event Log



Jan 2016 by JPSB/AES

15 Capehart

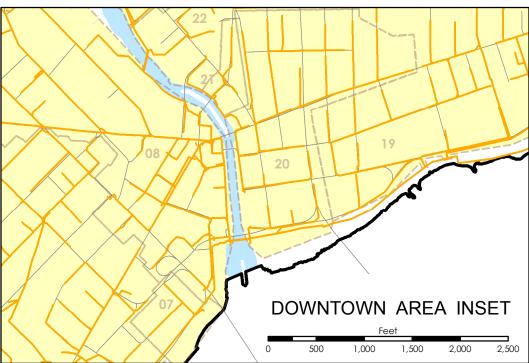
31 Cardinal Way

# APPENDIX A: LOCATION MAP OF ILLICIT CONNECTIONS

Jan. 1, 2015 - Dec. 31, 2015

## Legend

- IDDE Location
- Sewer Pipes
- Sewer Subsections



				D	Lucatific et . f
lman casta		Div - C-	lanate f	Repeat	Justification for
Inspection	Cubaaatian	Pipe Segment ID	Length of	Inspection	Repeat Inspection
Date	Subsection		Inspection (FT)	(this CY)	(by Reason Code)*
1/29/2015	AIRPORT	AP421	26.7	NO	N/A
1/29/2015	AIRPORT	AP422	162.5	NO	N/A
2/20/2015	AIRPORT	AP421	111.2	YES	D
2/20/2015	AIRPORT	AP422	184.5	YES	C
2/23/2015	AIRPORT	AP420	239.1	NO	N/A
2/23/2015	AIRPORT	AP421	26.0	YES	E
3/12/2015	AIRPORT	AP380	125.4	NO	N/A
3/12/2015	AIRPORT	AP415A	109.5	NO	N/A
3/13/2015	AIRPORT	AP430	335.1	NO	N/A
3/13/2015	AIRPORT	AP533	146.9	NO	N/A
3/13/2015	AIRPORT	AP535	8.2	NO	N/A
3/16/2015	AIRPORT	AP430	46.6	YES	D
3/30/2015	AIRPORT	AP329	243.9	NO	N/A
3/30/2015	AIRPORT	AP330	235.0	NO	N/A
3/31/2015	AIRPORT	AP470	226.0	NO	N/A
3/31/2015	AIRPORT	AP715	64.4	NO	N/A
3/31/2015	AIRPORT	AP736	287.1	NO	N/A
3/31/2015	AIRPORT	AP737	294.4	NO	N/A
4/2/2015	AIRPORT	AP309	88.3	NO	N/A
4/2/2015	AIRPORT	AP709	357.3	NO	N/A
4/6/2015	AIRPORT	AP622	37.5	NO	N/A
4/14/2015	AIRPORT	AP622	118.3	YES	E
4/30/2015	AIRPORT	AP515	358.8	NO	N/A
4/30/2015	AIRPORT	AP516	135.9	NO	N/A
5/1/2015	AIRPORT	AP740	108.0	NO	N/A
5/1/2015	AIRPORT	AP740A	122.6	NO	N/A
5/1/2015	AIRPORT	AP740A	129.6	YES	С
5/4/2015	AIRPORT	AP702	6.4	NO	N/A
5/4/2015	AIRPORT	AP702	22.0	YES	E
5/18/2015	AIRPORT	AP406	203.3	NO	N/A
5/18/2015	AIRPORT	AP407	117.9	NO	N/A
5/18/2015	AIRPORT	AP408	66.4	NO	N/A
5/18/2015	AIRPORT	AP409	277.3	NO	N/A
5/19/2015	AIRPORT	AP412	175.9	NO	N/A
5/19/2015	AIRPORT	AP413	185.4	NO	N/A
5/19/2015	AIRPORT	AP414	249.1	NO	N/A
5/19/2015	AIRPORT	AP414A	309.8	NO	N/A
5/19/2015	AIRPORT	AP415	158.7	NO	N/A
5/19/2015	AIRPORT	AP416	151.2	NO	N/A
5/19/2015	AIRPORT	AP430	54.8	YES	E
5/19/2015	AIRPORT	AP440	322.2	NO	N/A
5/19/2015	AIRPORT	AP441	276	NO	N/A
5/19/2015	AIRPORT	AP470	62.4	YES	Н
5/20/2015	AIRPORT	AP024	296.5	NO	N/A
5/20/2015	AIRPORT	AP025	77.2	NO	N/A
5/20/2015	AIRPORT	AP025	226.4	YES	Е
5/20/2015	AIRPORT	AP263	29.2	NO	N/A
5/20/2015	AIRPORT	AP263	127.0	YES	E

Inspection   Date   D					Repeat	Justification for
Date         Subsection         ID         Inspection (FT)         (this CY)         (by Reason Code)*           5/20/2015         AIRPORT         AP604         334.6         NO         N/A           5/20/2015         AIRPORT         AP605         561.4         NO         N/A           5/20/2015         AIRPORT         AP200         352.3         NO         N/A           5/21/2015         AIRPORT         AP203         165         NO         N/A           5/21/2015         AIRPORT         AP201         6         YES         E           5/21/2015         AIRPORT         AP701         6         YES         E           5/21/2015         AIRPORT         AP702         10.1         YES         H           5/21/2015         AIRPORT         AP702         23.4         YES         E, H           5/21/2015         AIRPORT         AP702         23.4         YES         E, H           5/21/2015         AIRPORT         AP702         23.4         YES         E, H           5/21/2015         AIRPORT         AP703         39.8         NO         N/A           5/21/2015         AIRPORT         AP755         398.8         YES	Inspection		Pipe Segment	Length of	· -	Repeat Inspection
S/20/2015   AIRPORT   AP60S   S61.4   NO   N/A   S/20/2015   AIRPORT   AP70O   352.3   NO   N/A   S/21/2015   AIRPORT   AP20O   352.3   NO   N/A   S/21/2015   AIRPORT   AP20A   38.7   NO   N/A   S/21/2015   AIRPORT   AP20A   38.7   NO   N/A   S/21/2015   AIRPORT   AP20A   38.7   NO   N/A   S/21/2015   AIRPORT   AP70L   6   YES   E   S/21/2015   AIRPORT   AP70L   159   NO   N/A   S/21/2015   AIRPORT   AP70L   159   NO   N/A   S/21/2015   AIRPORT   AP702   23.4   YES   E   H   S/21/2015   AIRPORT   AP702   23.4   YES   E   H   S/21/2015   AIRPORT   AP70D   37.66   NO   N/A   S/21/2015   AIRPORT   AP70D   37.66   NO   N/A   S/21/2015   AIRPORT   AP70A   130   YES   H   S/21/2015   AIRPORT   AP75A   39.8   NO   N/A   S/21/2015   AIRPORT   AP755   20.3   NO   N/A   S/21/2015   AIRPORT   AP755   98.8   YES   E   S/21/2015   AIRPORT   AP755   98.8   YES   E   S/21/2015   AIRPORT   AP756   76.3   NO   N/A   S/21/2015   AIRPORT   AP756   76.3   NO   N/A   S/21/2015   AIRPORT   AP758   136.3   NO   N/A   S/21/2015   AIRPORT   AP758   136.3   NO   N/A   S/21/2015   AIRPORT   AP662   405.9   NO   N/A   S/21/2015   AIRPORT   AP663   277.6   NO   N/A   S/21/2015   AIRPORT   AP663   274.4   YES   E   S/21/2015   AIRPORT   AP660   274.4   YES   E   S/21/2015   AIRPORT   AP660   274.4   YES   E   S/21/2015   A	Date	Subsection	ID	_	(this CY)	(by Reason Code)*
S/20/2015   AIRPORT   AP700   352.3   NO   N/A     S/21/2015   AIRPORT   AP203   165   NO   N/A     S/21/2015   AIRPORT   AP203   165   NO   N/A     S/21/2015   AIRPORT   AP204   38.7   NO   N/A     S/21/2015   AIRPORT   AP701   6   YES   E     S/21/2015   AIRPORT   AP701   159   NO   N/A     S/21/2015   AIRPORT   AP702   10.1   YES   H     S/21/2015   AIRPORT   AP702   23.4   YES   E, H     S/21/2015   AIRPORT   AP703   76.6   NO   N/A     S/21/2015   AIRPORT   AP703   76.6   NO   N/A     S/21/2015   AIRPORT   AP703   76.6   NO   N/A     S/21/2015   AIRPORT   AP704   39.8   NO   N/A     S/21/2015   AIRPORT   AP754   39.8   NO   N/A     S/21/2015   AIRPORT   AP755   20.3   NO   N/A     S/21/2015   AIRPORT   AP755   98.8   YES   E     S/21/2015   AIRPORT   AP756   76.3   NO   N/A     S/21/2015   AIRPORT   AP756   76.3   NO   N/A     S/21/2015   AIRPORT   AP757   252   NO   N/A     S/21/2015   AIRPORT   AP758   136.3   NO   N/A     S/21/2015   AIRPORT   AP758   136.3   NO   N/A     S/21/2015   AIRPORT   AP758   AP758   AP758   AP758   AP758     S/21/2015   AIRPORT   AP758   AP758   AP758   AP758   AP758     S/21/2015   AIRPORT   AP662   405.9   NO   N/A     S/21/2015   AIRPORT   AP661   413.1   NO   N/A     S/21/2015   AIRPORT   AP661   413.1   NO   N/A     S/21/2015   AIRPORT   AP660   338.8   NO   N/A     S/21/2015   AIRPORT   AP660   338.8   NO   N/A     S/21/2015   AIRPORT   AP660   338.8   NO   N/A     S/21/2015   AIRPORT   AP444   79.8   NO   N/A     S/21/2015   AIRPORT   AP450   274.4   YES   E     S/21/2015   AIRPORT   AP450   274.4   YES   E     S/21/2015   AIRPORT   AP481   69.8   NO   N/A     S/21/2015   AIRPORT   AP481   69.8   NO   N/A     S/21/2015   AIRPORT   AP481   69.8   NO   N/A     S/21/2015   AIRPORT   AP482   372.3   NO   N/A     S/21/2015	5/20/2015	AIRPORT	AP604	354.6	NO	N/A
S/21/2015   AIRPORT   AP203   165   NO	5/20/2015	AIRPORT	AP605	561.4	NO	N/A
S/21/2015   AIRPORT   AP204   38.7   NO	5/20/2015	AIRPORT	AP700	352.3	NO	N/A
S/21/2015   AIRPORT   AP701   6	5/21/2015	AIRPORT	AP203	165	NO	N/A
5/21/2015         AIRPORT         AP701         159         NO         N/A           5/21/2015         AIRPORT         AP702         10.1         YES         H           5/21/2015         AIRPORT         AP702         23.4         YES         E, H           5/21/2015         AIRPORT         AP703         76.6         NO         N/A           5/21/2015         AIRPORT         AP740A         130         YES         H           5/21/2015         AIRPORT         AP754         39.8         NO         N/A           5/21/2015         AIRPORT         AP755         20.3         NO         N/A           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           6/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/2/2015         AIRPORT         AP662         405.9         NO         N/A	5/21/2015	AIRPORT	AP204	38.7	NO	N/A
S/21/2015   AIRPORT   AP702   10.1   YES	5/21/2015	AIRPORT	AP701	6	YES	E
S/21/2015   AIRPORT   AP702   23.4   YES   E, H	5/21/2015	AIRPORT	AP701	159	NO	N/A
5/21/2015         AIRPORT         AP703         76.6         NO         N/A           5/21/2015         AIRPORT         AP740A         130         YES         H           5/21/2015         AIRPORT         AP754         39.8         NO         N/A           5/21/2015         AIRPORT         AP755         20.3         NO         N/A           5/21/2015         AIRPORT         AP755         98.8         YES         E           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/21/2015         AIRPORT         AP662         405.9         NO         N/A           6/21/2015         AIRPORT         AP661         277.6         NO         N/A           6/2/2015         AIRPORT         AP663         227.6         NO         N/A           6/2/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP460         338.8         NO         N/A	5/21/2015	AIRPORT	AP702	10.1	YES	Н
S/21/2015   AIRPORT   AP703   76.6   NO   N/A		AIRPORT	AP702	23.4	YES	E, H
5/21/2015         AIRPORT         AP740A         130         YES         H           5/21/2015         AIRPORT         AP754         39.8         NO         N/A           5/21/2015         AIRPORT         AP755         20.3         NO         N/A           5/21/2015         AIRPORT         AP755         98.8         YES         E           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           5/21/2015         AIRPORT         AP757         252         NO         N/A           6/1/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/1/2015         AIRPORT         AP661         413.1         NO         N/A           6/1/2015         AIRPORT         AP663         277.6         NO         N/A           6/1/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A <tr< td=""><td></td><td>AIRPORT</td><td>AP703</td><td>76.6</td><td>NO</td><td>N/A</td></tr<>		AIRPORT	AP703	76.6	NO	N/A
5/21/2015         AIRPORT         AP754         39.8         NO         N/A           5/21/2015         AIRPORT         AP755         20.3         NO         N/A           5/21/2015         AIRPORT         AP755         98.8         YES         E           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           5/21/2015         AIRPORT         AP757         252         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/1/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP4017         491.5         NO         N/A           7/6/2015         AIRPORT         AP440         79.8         NO         N/A			AP740A	130	YES	i -
5/21/2015         AIRPORT         AP755         20.3         NO         N/A           5/21/2015         AIRPORT         AP755         98.8         YES         E           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           5/21/2015         AIRPORT         AP757         252         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP440         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
5/21/2015         AIRPORT         AP755         98.8         YES         E           5/21/2015         AIRPORT         AP756         76.3         NO         N/A           5/21/2015         AIRPORT         AP757         252         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/8/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td></t<>						•
S/21/2015   AIRPORT   AP756   76.3   NO   N/A			+		_	· · · · · · · · · · · · · · · · · · ·
5/21/2015         AIRPORT         AP757         252         NO         N/A           5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP640         39.8         NO         N/A           7/6/2015         AIRPORT         AP440         79.8         NO         N/A           7/8/2015         AIRPORT         AP450         29.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
5/21/2015         AIRPORT         AP758         136.3         NO         N/A           6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         227.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP441         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A <t< td=""><td></td><td></td><td></td><td></td><td>_</td><td>•</td></t<>					_	•
6/1/2015         AIRPORT         AP662         405.9         NO         N/A           6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/13/2015         AIRPORT         AP541         10.98         NO         N/A <tr< td=""><td></td><td></td><td>+</td><td>136.3</td><td>NO</td><td>· · · · · · · · · · · · · · · · · · ·</td></tr<>			+	136.3	NO	· · · · · · · · · · · · · · · · · · ·
6/2/2015         AIRPORT         AP661         413.1         NO         N/A           6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP4017         491.5         NO         N/A           7/6/2015         AIRPORT         AP440         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP481         109.8         NO         N/A           7/8/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E						
6/2/2015         AIRPORT         AP663         277.6         NO         N/A           6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP440         176.7         NO         N/A           7/8/2015         AIRPORT         AP441         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E <tr< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td></tr<>						•
6/3/2015         AIRPORT         AP660         338.8         NO         N/A           7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP481         209.8         YES         E <tr< td=""><td>• • •</td><td></td><td>+</td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></tr<>	• • •		+			· · · · · · · · · · · · · · · · · · ·
7/6/2015         AIRPORT         AP017         491.5         NO         N/A           7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td></t<>						•
7/6/2015         AIRPORT         AP444         79.8         NO         N/A           7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A      <						•
7/6/2015         AIRPORT         AP450         274.4         YES         E           7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP6513         337.2         NO         N/A						
7/6/2015         AIRPORT         AP450         90.9         NO         N/A           7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A						•
7/8/2015         AIRPORT         AP442         176.7         NO         N/A           7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A						
7/8/2015         AIRPORT         AP481         69.8         NO         N/A           7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP630         244.8         NO         N/A <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
7/8/2015         AIRPORT         AP530         241.7         NO         N/A           7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A     <						1
7/8/2015         AIRPORT         AP541         109.8         NO         N/A           7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/14/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/15/2015         AIRPORT         AP631         295.4         NO         N/A			+			·
7/13/2015         AIRPORT         AP443         122.7         NO         N/A           7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/14/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A						
7/13/2015         AIRPORT         AP443         87.1         YES         E           7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A						1
7/13/2015         AIRPORT         AP481         209.8         YES         E           7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A						· ·
7/13/2015         AIRPORT         AP482         372.3         NO         N/A           7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A						
7/13/2015         AIRPORT         AP513         349.8         NO         N/A           7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP440         60.2         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E     <			+			
7/13/2015         AIRPORT         AP651         337.2         NO         N/A           7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/17/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E     <						
7/13/2015         AIRPORT         AP723         167.9         NO         N/A           7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A     <						•
7/13/2015         AIRPORT         AP741         103.8         NO         N/A           7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						· · · · · · · · · · · · · · · · · · ·
7/14/2015         AIRPORT         AP630         244.8         NO         N/A           7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/14/2015         AIRPORT         AP631         295.4         NO         N/A           7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/15/2015         AIRPORT         AP050         203.1         NO         N/A           7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						· · · · · · · · · · · · · · · · · · ·
7/15/2015         AIRPORT         AP602         181.9         NO         N/A           7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						i i
7/15/2015         AIRPORT         AP704         293.8         NO         N/A           7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/17/2015         AIRPORT         AP400         60.2         NO         N/A           7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/17/2015         AIRPORT         AP419         13.0         NO         N/A           7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/17/2015         AIRPORT         AP420         31.8         YES         E           7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/17/2015         AIRPORT         AP420         237.3         YES         E           7/20/2015         AIRPORT         AP419         313.0         YES         E           9/29/2015         AIRPORT         AP280         164.2         NO         N/A						
7/20/2015 AIRPORT AP419 313.0 YES E 9/29/2015 AIRPORT AP280 164.2 NO N/A						
9/29/2015 AIRPORT AP280 164.2 NO N/A						ł
	10/5/2015	AIRPORT	AP280 AP212	202.4	NO NO	N/A N/A

				Repeat	Justification for		
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection		
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*		
10/5/2015	AIRPORT	AP263	223.1	YES	D		
10/5/2015	AIRPORT	AP264	271.9	NO	N/A		
10/5/2015	AIRPORT	AP265	39.5	NO	N/A		
10/5/2015	AIRPORT	AP290	156.4	NO	N/A		
10/5/2015	AIRPORT	AP291	37.6	NO	N/A		
10/6/2015	AIRPORT	AP209	6.8	NO	N/A		
10/6/2015	AIRPORT	AP210	382.8	NO	N/A		
10/6/2015	AIRPORT	AP211	164.6	NO	N/A		
10/26/2015	AIRPORT	AP281	86.9	NO	N/A		
10/26/2015	AIRPORT	AP282	155.9	NO	N/A		
10/26/2015	AIRPORT	AP283	226.7	NO	N/A		
10/27/2015	AIRPORT	AP284	106.3	NO	N/A		
10/27/2015	AIRPORT	AP285	189.6	NO	N/A		
10/28/2015	AIRPORT	AP260	133.8	NO	N/A		
10/28/2015	AIRPORT	AP270	132.3	NO	N/A		
10/28/2015	AIRPORT	AP271	166.6	NO	N/A		
10/28/2015	AIRPORT	AP286	326.8	NO	N/A		
10/29/2015	AIRPORT	AP205	65.6	NO	N/A		
10/29/2015	AIRPORT	AP240	82.4	NO	N/A		
10/29/2015	AIRPORT	AP241	115.1	NO	N/A		
10/29/2015	AIRPORT	AP261	134.9	NO	N/A		
10/29/2015	AIRPORT	AP262	172.0	NO	N/A		
10/30/2015	AIRPORT	AP242	278.5	NO	N/A		
10/30/2015	AIRPORT	AP243	43.9	NO	N/A		
11/2/2015	AIRPORT	AP207	266.4	NO	N/A		
11/2/2015	AIRPORT	AP208	197.7	NO	N/A		
11/2/2015	AIRPORT	AP209	10.5	YES	E		
11/2/2015	AIRPORT	AP209	247.1	YES	Е		
11/2/2015	AIRPORT	AP250	249.0	NO	N/A		
11/2/2015	AIRPORT	AP251	283.1	NO	N/A		
11/3/2015	AIRPORT	AP206	348.7	NO	N/A		
12/7/2015	AIRPORT	AP421	262.2	YES	C		
12/10/2015	AIRPORT	AP503	20.1	NO	N/A		
12/10/2015	AIRPORT	AP520	335.3	NO	N/A		
12/10/2015	AIRPORT	AP521	186.7	NO	N/A		
12/10/2015	AIRPORT	AP522	234.5	NO	N/A		
12/17/2015	AIRPORT	AP522	261.5	YES	D		
12/28/2015	AIRPORT	AP330	237.2	YES	D		
1/22/2015	ARCTIC BROOK	AB017	239.8	NO	N/A		
2/12/2015	ARCTIC BROOK	AB609	255.9	NO	N/A		
2/12/2015	ARCTIC BROOK	AB610	483.0	NO	N/A		
2/12/2015	ARCTIC BROOK	AB650	30.9	NO	N/A		
2/12/2015	ARCTIC BROOK	AB655	203.6	NO	N/A		
2/12/2015	ARCTIC BROOK  ARCTIC BROOK	AB605A	2.3	NO	N/A		
2/13/2015	ARCTIC BROOK  ARCTIC BROOK	AB605A AB606	39.0	NO	N/A		
2/13/2015	ARCTIC BROOK  ARCTIC BROOK	AB606 AB607	56.9	NO	N/A		
2/13/2015	ARCTIC BROOK	AB110	22.3		N/A		
				NO	N/A N/A		
2/17/2015	ARCTIC BROOK	AB111	132.1	NO	•		
2/17/2015	ARCTIC BROOK	AB151	38.5	NO	N/A		

				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*
2/18/2015	ARCTIC BROOK	AB142	13.6	NO	N/A
2/18/2015	ARCTIC BROOK	AB142	52.4	YES	E
2/18/2015	ARCTIC BROOK	AB142	187.4	YES	E
2/23/2015	ARCTIC BROOK	AB130	208.7	NO	N/A
2/23/2015	ARCTIC BROOK	AB135	311.9	NO	N/A
2/24/2015	ARCTIC BROOK	AB131	238.9	NO	N/A
2/24/2015	ARCTIC BROOK	AB160	409.0	NO	N/A
3/18/2015	ARCTIC BROOK	AB161	86.2	NO	N/A
3/18/2015	ARCTIC BROOK	AB210	185.3	NO	N/A
3/18/2015	ARCTIC BROOK	AB211	9.0	NO	N/A
4/27/2015	ARCTIC BROOK	AB402	80.4	NO	N/A
4/27/2015	ARCTIC BROOK	AB402	80.9	NO	N/A
5/13/2015	ARCTIC BROOK	AB240	46.9	NO	N/A
5/21/2015	ARCTIC BROOK	AB108	344.9	NO	N/A
6/3/2015	ARCTIC BROOK	AB141	20.1	NO	N/A
8/25/2015	ARCTIC BROOK	AB083	356.9	NO	N/A
8/25/2015	ARCTIC BROOK	AB085	442.3	NO	N/A
8/26/2015	ARCTIC BROOK	AB081	141.8	NO	N/A
8/26/2015	ARCTIC BROOK	AB082	192.0	NO	N/A
9/8/2015	ARCTIC BROOK	AB123	66.6	NO	N/A
9/8/2015	ARCTIC BROOK	AB124	106.1	NO	N/A
9/8/2015	ARCTIC BROOK	AB136	9.9	NO	N/A
9/8/2015	ARCTIC BROOK	AB137	92.0	NO	N/A
9/9/2015	ARCTIC BROOK	AB121	292.3	NO	N/A
9/9/2015	ARCTIC BROOK	AB122	146.2	NO	N/A
9/9/2015	ARCTIC BROOK	AB124	41.0	YES	E
9/10/2015	ARCTIC BROOK	AB250	51.5	NO	N/A
9/11/2015	ARCTIC BROOK	AB251	5.0	NO	N/A
9/25/2015	ARCTIC BROOK	AB109	215.1	NO	N/A
9/25/2015	ARCTIC BROOK	AB140	261.1	NO	N/A
9/28/2015	ARCTIC BROOK	AB350	0.4	NO	N/A
9/29/2015	ARCTIC BROOK	AB104	200.8	NO	N/A
9/29/2015	ARCTIC BROOK	AB105	15.3	NO	N/A
9/29/2015	ARCTIC BROOK	AB106	332.3	NO	N/A
9/29/2015	ARCTIC BROOK	AB107	113.6	NO	N/A
10/2/2015	ARCTIC BROOK	AB208	130.6	NO	N/A
10/9/2015	ARCTIC BROOK	AB208 AB209	392.4	NO	N/A
11/4/2015	ARCTIC BROOK	AB132	328.8	NO	N/A
11/4/2015	ARCTIC BROOK	AB200	107.4	NO	N/A
11/4/2015	ARCTIC BROOK	AB200	217.1	NO	N/A
11/4/2015	ARCTIC BROOK	AB202 AB203	40.0	NO	N/A
11/4/2015	ARCTIC BROOK  ARCTIC BROOK	AB203 AB204	278.6	NO	N/A
11/4/2015	ARCTIC BROOK  ARCTIC BROOK	AB204 AB220	169.6	NO	N/A
11/4/2015	ARCTIC BROOK  ARCTIC BROOK	AB220 AB221	196.8	NO	N/A
11/4/2015	ARCTIC BROOK  ARCTIC BROOK	AB221 AB205	73.6	NO	N/A
11/6/2015	ARCTIC BROOK  ARCTIC BROOK	AB205 AB206	291.8	NO	N/A
			249.4		
11/6/2015	ARCTIC BROOK	AB207		NO	N/A
11/6/2015	ARCTIC BROOK	AB260	23.4	NO	N/A
11/6/2015	ARCTIC BROOK	AB261	69.0	NO	N/A

				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*
11/9/2015	ARCTIC BROOK	AB302	8.8	NO	N/A
11/9/2015	ARCTIC BROOK	AB302	154.4	YES	E
11/9/2015	ARCTIC BROOK	AB604	72.9	NO	N/A
11/10/2015	ARCTIC BROOK	AB060	53.2	NO	N/A
11/10/2015	ARCTIC BROOK	AB061	275.0	NO	N/A
11/10/2015	ARCTIC BROOK	AB062	168.3	NO	N/A
11/10/2015	ARCTIC BROOK	AB063	62.8	NO	N/A
11/10/2015	ARCTIC BROOK	AB065	187.2	NO	N/A
11/10/2015	ARCTIC BROOK	AB301	670.1	NO	N/A
11/12/2015	ARCTIC BROOK	AB070	182.4	NO	N/A
11/12/2015	ARCTIC BROOK	AB070	182.9	YES	E
11/12/2015	ARCTIC BROOK	AB071	32.7	NO	N/A
11/13/2015	ARCTIC BROOK	AB053	53.5	NO	N/A
11/13/2015	ARCTIC BROOK	AB054	215.7	NO	N/A
11/13/2015	ARCTIC BROOK	AB055	12.9	NO	N/A
11/13/2015	ARCTIC BROOK	AB070	338.0	YES	E
11/13/2015	ARCTIC BROOK	AB071	37.5	YES	E
11/13/2015	ARCTIC BROOK	AB140	70.5	YES	E
11/17/2015	ARCTIC BROOK	AB101	146.1	NO	N/A
11/17/2015	ARCTIC BROOK	AB102	28.1	NO	N/A
11/17/2015	ARCTIC BROOK	AB120	290.1	NO	N/A
11/17/2015	ARCTIC BROOK	AB241	22.3	NO	N/A
11/18/2015	ARCTIC BROOK	AB075	13.7	NO	N/A
11/18/2015	ARCTIC BROOK	AB076	269.4	NO	N/A
11/18/2015	ARCTIC BROOK	AB590	12.2	NO	N/A
11/19/2015	ARCTIC BROOK	AB056	218.9	NO	N/A
11/19/2015	ARCTIC BROOK	AB057	150.1	NO	N/A
11/19/2015	ARCTIC BROOK	AB073	139.9	NO	N/A
11/19/2015	ARCTIC BROOK	AB427	18.2	NO	N/A
11/19/2015	ARCTIC BROOK	AB428	84.0	NO	N/A
11/19/2015	ARCTIC BROOK	AB429	55.5	NO	N/A
11/20/2015	ARCTIC BROOK	AB422	57.7	NO	N/A
11/20/2015	ARCTIC BROOK	AB423	228.5	NO	N/A
11/20/2015	ARCTIC BROOK	AB424	219.7	NO	N/A
11/20/2015	ARCTIC BROOK	AB425	113.5	NO	N/A
11/20/2015	ARCTIC BROOK	AB426	155.8	NO	N/A
11/20/2015	ARCTIC BROOK	AB435	6.5	NO	N/A
11/20/2015	ARCTIC BROOK	AB435 AB436	64.1	NO	N/A
11/20/2015	ARCTIC BROOK	AB490	92.6	NO	N/A
11/23/2015	ARCTIC BROOK	AB430 AB570	360.8	NO	N/A
11/23/2015	ARCTIC BROOK	AB800	159.4	NO	N/A
11/23/2015	ARCTIC BROOK	AB800 AB801	223.1	NO	N/A
11/23/2015	ARCTIC BROOK	AB801 AB802	179.3	NO	N/A
11/23/2015	ARCTIC BROOK	AB821	298.0	NO	N/A
11/23/2015	ARCTIC BROOK	AB821 AB822	309.1	NO	N/A
11/23/2015	ARCTIC BROOK	AB822	398.1	YES	E
11/24/2015	ARCTIC BROOK	AB622 AB623	156.8	NO NO	N/A
11/24/2015	ARCTIC BROOK  ARCTIC BROOK	AB623 AB623	214.1	YES	E E
11/24/2015	ARCTIC BROOK  ARCTIC BROOK	AB623 AB624	228.5	NO NO	N/A
11/24/2013	ANCTIC BROOK	AD024	220.3	NU	IN/A

Inspection Date	Subsection	Pipe Segment ID	Length of Inspection (FT)	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
11/30/2015	ARCTIC BROOK	AB550	2.6	NO	N/A
11/30/2015	ARCTIC BROOK	AB551	389.8	NO	N/A
11/30/2015	ARCTIC BROOK	AB560	272.7	NO	N/A
11/30/2015	ARCTIC BROOK	AB620	19.1	NO	N/A
11/30/2015	ARCTIC BROOK	AB621	24.0	NO	N/A
11/30/2015	ARCTIC BROOK	AB621	11.9	YES	E
11/30/2015	ARCTIC BROOK	AB622	70.2	NO	N/A
11/30/2015	ARCTIC BROOK	AB622	53.9	YES	E
11/30/2015	ARCTIC BROOK	AB630	120.4	NO	N/A
11/30/2015	ARCTIC BROOK	AB803	174.8	NO	N/A
12/1/2015	ARCTIC BROOK	AB023	101.1	NO	N/A
12/1/2015	ARCTIC BROOK	AB024	42.7	NO	N/A
12/1/2015	ARCTIC BROOK	AB025	177.6	NO	N/A
12/1/2015	ARCTIC BROOK	AB026	107.9	NO	N/A
12/1/2015	ARCTIC BROOK	AB027	87.5	NO	N/A
12/1/2015	ARCTIC BROOK	AB028	188.6	NO	N/A
12/1/2015	ARCTIC BROOK	AB029	109.3	NO	N/A
12/1/2015	ARCTIC BROOK	AB031	306.4	NO	N/A
12/1/2015	ARCTIC BROOK	AB032	211.1	NO	N/A
12/1/2015	ARCTIC BROOK	AB033	156.4	NO	N/A
12/1/2015	ARCTIC BROOK	AB501	86.7	NO	N/A
12/1/2015	ARCTIC BROOK	AB508	117.8	NO	N/A
12/2/2015	ARCTIC BROOK	AB504	354.0	NO	N/A
12/2/2015	ARCTIC BROOK	AB505	439.4	NO	N/A
12/2/2015	ARCTIC BROOK	AB508	114.2	YES	E
12/2/2015	ARCTIC BROOK	AB512	238.8	NO	N/A
12/2/2015	ARCTIC BROOK	AB513	1.7	NO	N/A
12/4/2015	ARCTIC BROOK	AB058	274.1	NO	N/A
12/4/2015	ARCTIC BROOK	AB430	304.6	NO	N/A
12/4/2015	ARCTIC BROOK	AB502	212.8	NO	N/A
12/4/2015	ARCTIC BROOK	AB503	114.7	NO	N/A
12/7/2015	ARCTIC BROOK	AB355	49.6	NO	N/A
12/7/2015	ARCTIC BROOK	AB356	85.9	NO	N/A
12/11/2015	ARCTIC BROOK	AB030	63.9	NO	N/A
12/14/2015	ARCTIC BROOK	AB651	5.9	NO	N/A
12/14/2015	ARCTIC BROOK	AB651	147.4	YES	E
12/15/2015	ARCTIC BROOK	AB621	296.1	YES	C
12/13/2015	ARCTIC BROOK	AB052	330.4	NO NO	N/A
	ARCTIC BROOK	AB056	59.1	YES	E E
12/18/2015 12/30/2015	ARCTIC BROOK	AB023	296.3	NO NO	N/A
					-
1/8/2015 1/9/2015	BARKERSVILLE	BV715	44.9	NO NO	N/A
	BARKERSVILLE	BV820	424.9	NO NO	N/A
1/12/2015	BARKERSVILLE	BV033	246.2	NO NO	N/A
1/12/2015	BARKERSVILLE	BV034	26.5	NO	N/A
1/12/2015	BARKERSVILLE	BV034	76.2	YES	E N/A
1/13/2015	BARKERSVILLE	BV028	686.6	NO NO	N/A
1/26/2015	BARKERSVILLE	BV725	5.0	NO	N/A
2/6/2015	BARKERSVILLE	BV331	98.1	NO	N/A
2/6/2015	BARKERSVILLE	BV332	135.8	NO	N/A

2/9/2015 3/16/2015 3/18/2015 3/18/2015 5/15/2015 5/18/2015 5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 11/3/2015 12/28/2015 4/1/2015 12/28/2015 12/28/2015 12/28/2015 12/28/2015 12/28/2015	BARKERSVILLE BARKERSVILLE BARKERSVILLE BARKERSVILLE BARKERSVILLE	BV340 BV476 BV476 BV477	182.7 383.2 10.5	NO NO	N/A
3/18/2015 3/18/2015 5/15/2015 5/15/2015 5/18/2015 5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 4/1/2015 12/28/2015 12/28/2015	BARKERSVILLE BARKERSVILLE BARKERSVILLE	BV476		NO	NI/A
3/18/2015 5/15/2015 5/18/2015 5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 4/1/2015 12/28/2015 12/28/2015	BARKERSVILLE BARKERSVILLE	_	10.5		N/A
5/15/2015 5/18/2015 5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015 12/28/2015	BARKERSVILLE	B\//177	10.5	YES	E
5/18/2015 5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015		DV4//	22.4	NO	N/A
5/18/2015 8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015	DVDNEDC/IIIL	BV478	299.6	NO	N/A
8/4/2015 8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV029	159.9	NO	N/A
8/4/2015 8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015 12/28/2015	BARKERSVILLE	BV030	332.8	NO	N/A
8/4/2015 8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV017	246.1	NO	N/A
8/5/2015 8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV018	255.1	NO	N/A
8/5/2015 10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV019	263.6	NO	N/A
10/1/2015 10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV020	114.3	NO	N/A
10/1/2015 11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV021	64.8	NO	N/A
11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV425	379.8	NO	N/A
11/3/2015 12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV435	238.0	NO	N/A
12/28/2015 12/28/2015 4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV466	434.0	NO	N/A
4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV479	234.5	NO	N/A
4/1/2015 4/1/2015 12/28/2015	BARKERSVILLE	BV480	44.3	NO	N/A
4/1/2015 12/28/2015	BLANCHARD ST	BS502	251.7	NO	N/A
12/28/2015	BLANCHARD ST	BS502	253.8	YES	C
	BLANCHARD ST	BS018	298.3	NO	N/A
	BLANCHARD ST	BS019	260.2	NO	N/A
12/28/2015	BLANCHARD ST	BS301	274.4	NO	N/A
12/28/2015	BLANCHARD ST	BS302	296.1	NO	N/A
12/28/2015	BLANCHARD ST	BS303	289.8	NO	N/A
12/28/2015	BLANCHARD ST	BS800	159.8	NO	N/A
12/28/2015	BLANCHARD ST	BS801	345.6	NO	N/A
12/31/2015	BLANCHARD ST	BS020	214.1	NO	N/A
12/31/2015	BLANCHARD ST	BS021	231.8	NO	N/A
1/14/2015	BURLEIGH	BU024	180.5	NO	N/A
1/14/2015	BURLEIGH	BU800	33.1	NO	N/A
1/14/2015	BURLEIGH	BU801	270.4	NO	N/A
1/14/2015	BURLEIGH	BU802	273.1	NO	N/A
1/14/2015	BURLEIGH	BU803	285.9	NO	N/A
1/15/2015	BURLEIGH	BU542	369.4	NO	N/A
1/15/2015	BURLEIGH	BU550	204.1	NO	N/A
1/15/2015	BURLEIGH	BU551	305.1	NO	N/A
1/15/2015	BURLEIGH	BU560	110.7	NO	N/A
1/15/2015	BURLEIGH	BU570	171.6	NO NO	N/A N/A
<u> </u>		BU571	118.8	NO	N/A
1/15/2015 1/15/2015	BURLEIGH BURLEIGH	BU572	272.1	NO	N/A
		BU552			N/A
1/16/2015	BURLEIGH	BU552 BU553	304.8 393.6	NO NO	N/A N/A
1/16/2015	BURLEIGH	BU554	421.1	NO	N/A
1/16/2015 2/9/2015	BURLEIGH				· .
<u> </u>		BU300	368.6	NO	N/A
2/9/2015	BURLEIGH		2/7 0	NO	NI/A
2/10/2015	BURLEIGH	BU301	347.0	NO NO	N/A
2/10/2015	BURLEIGH BURLEIGH	BU301 BU302	347.1	NO	N/A
2/10/2015 2/10/2015	BURLEIGH	BU301			

Inspection Date	Subsection	Pipe Segment ID	Length of Inspection (FT)	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
2/10/2015	BURLEIGH	BU306	297.6	NO	N/A
2/11/2015	BURLEIGH	BU012	73.9	NO	N/A
2/11/2015	BURLEIGH	BU307	398.4	NO	N/A
2/11/2015	BURLEIGH	BU400	414.2	NO	N/A
2/11/2015	BURLEIGH	BU500	293.4	NO	N/A
2/12/2015	BURLEIGH	BU310	345.3	NO	N/A
2/12/2015	BURLEIGH	BU311	348.5	NO	N/A
2/12/2015	BURLEIGH	BU312	207.6	NO	N/A
7/9/2015	BURLEIGH	BU036	66.2	NO	N/A
7/9/2015	BURLEIGH	BU037	1.7	NO	N/A
8/3/2015	BURLEIGH	BU607	293.7	NO	N/A
1/7/2015	CAPEHART	OC100	338.6	NO	N/A
1/8/2015	CAPEHART	OC006	203.9	NO	N/A
5/21/2015	CAPEHART	OC014	153.3	NO	N/A
6/2/2015	CAPEHART	OC035	312.3	NO	N/A
3/16/2015	CARR BROOK	CB145	214.0	NO	N/A
3/17/2015	CARR BROOK	CB145	58.2	YES	D
3/17/2015	CARR BROOK	CB145	58.8	YES	D
3/18/2015	CARR BROOK	CB145	46.2	YES	E
7/7/2015	CARR BROOK	CB451	89.3	NO	N/A
7/14/2015	CARR BROOK	CB506	262.5	NO	N/A
7/16/2015	CARR BROOK	CB211	146.9	NO	N/A
7/16/2015	CARR BROOK	CB211	33.7	YES	E
7/20/2015	CARR BROOK	CB403	348.1	NO	N/A
12/1/2015	CARR BROOK	CB032	100.0	NO	N/A
12/4/2015	CARR BROOK	CB851	322.0	NO	N/A
12/4/2015	CARR BROOK	CB851	82.6	YES	E
12/7/2015	CARR BROOK	CB850	189.5	NO	N/A
12/11/2015	CARR BROOK	CB211	184.4	YES	D
1/12/2015	CEMETERY	CM581	194.6	NO	N/A
1/13/2015	CEMETERY	CM580	302.9	NO	N/A
1/23/2015	CEMETERY	CM671	237.4	NO	N/A
1/23/2015	CEMETERY	CM672	218.4	NO	N/A
7/10/2015	CEMETERY	CW015	215.2	NO	N/A
8/10/2015	CEMETERY	CM011	218.7	NO	N/A
8/10/2015	CEMETERY	CM012	226.5	NO	N/A
8/10/2015	CEMETERY	CM013	125.4	NO	N/A
1/2/2015	DAVIS BROOK	DB305A	185.0	NO	N/A
1/6/2015	DAVIS BROOK	DB303A DB304A	17.6	NO	N/A
1/6/2015	DAVIS BROOK	DB304A	7.3	NO	N/A
1/6/2015	DAVIS BROOK	DB305	95.3	YES	E
1/6/2015	DAVIS BROOK	DB305A	6.3	YES	E
1/13/2015	DAVIS BROOK  DAVIS BROOK	DB900	233.0	NO NO	N/A
4/10/2015	DAVIS BROOK	DB804	273.8	NO	N/A
1. 1.	DAVIS BROOK  DAVIS BROOK	DB702A	73.0	NO	N/A
5/13/2015		DB702A DB804		YES	N/A G
5/15/2015	DAVIS BROOK		319.8		
7/17/2015	DAVIS BROOK	DB721	209.0	NO	N/A
7/20/2015 8/5/2015	DAVIS BROOK DAVIS BROOK	DB380 DB407	126.2 54.5	NO NO	N/A N/A

Inspection Date	Subsection	Pipe Segment ID	Length of Inspection (FT)	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
8/14/2015	DAVIS BROOK	DB306	362.0	NO	N/A
8/14/2015	DAVIS BROOK	DB307	66.3	NO	N/A
9/9/2015	DAVIS BROOK	DB303	19.7	NO	N/A
10/26/2015	DAVIS BROOK	DB850	67.0	NO	N/A
10/26/2015	DAVIS BROOK	DB851	192.7	NO	N/A
10/26/2015	DAVIS BROOK	DB852	310.6	NO	N/A
10/29/2015	DAVIS BROOK	DB024A	193.0	NO	N/A
10/30/2015	DAVIS BROOK	DB024	38.2	NO	N/A
11/3/2015	DAVIS BROOK	DB851A	175.8	NO	N/A
2/26/2015	DOW	DW606	120.3	NO	N/A
2/26/2015	DOW	DW614	202.5	NO	N/A
2/26/2015	DOW	DW660	196.8	NO	N/A
2/26/2015	DOW	DW661	201.3	NO	N/A
2/27/2015	DOW	DW020	236.8	NO	N/A
2/27/2015	DOW	DW021	121.2	NO	N/A
2/27/2015	DOW	DW022	351.8	NO	N/A
2/27/2015	DOW	DW600	142.4	NO	N/A
3/2/2015	DOW	DW212	222.6	NO	N/A
3/2/2015	DOW	DW214	264.9	NO	N/A
3/2/2015	DOW	DW275	317.5	NO	N/A
3/2/2015	DOW	DW276	270.1	NO	N/A
3/2/2015	DOW	DW280	31.2	NO	N/A
3/2/2015	DOW	DW281	135.5	NO	N/A
3/2/2015	DOW	DW282	31.0	NO	N/A
3/4/2015	DOW	DW282	336.4	NO	N/A
3/4/2015	DOW	DW450	46.8	NO	N/A
3/5/2015	DOW	DW017	162.1	NO	N/A
3/5/2015	DOW	DW600	3.1	YES	E
3/5/2015	DOW	DW601	92.3	NO	N/A
3/5/2015	DOW	DW601A	162.0	NO	N/A
3/5/2015	DOW	DW601A	210.2	NO	N/A
3/9/2015	DOW	DW002	270.8	NO	N/A
3/9/2015	DOW	DW018	265.1	NO	N/A
	DOW		100.4	NO	N/A
3/9/2015 3/9/2015	DOW	DW256 DW450	81.5	YES	E E
3/10/2015	DOW	DW007	340.3		
				NO	N/A
3/10/2015	DOW	DW008	337.5	NO	N/A
3/10/2015		DW009	254.3	NO	N/A
3/10/2015	DOW	DW015	75.6	NO	N/A
3/10/2015	DOW	DW300	10.3	NO	N/A
3/10/2015	DOW	DW450	103.4	YES	E
3/11/2015	DOW	DW006	277.2	NO	N/A
3/11/2015	DOW	DW301	16.2	NO	N/A
3/11/2015	DOW	DW450	2.6	YES	C
3/11/2015	DOW	DW451	175.3	NO	N/A
3/11/2015	DOW	DW500	198.4	NO	N/A
3/11/2015	DOW	DW501	0.5	NO	N/A
3/11/2015	DOW	DW550	80.0	NO	N/A
3/12/2015	DOW	DW604	75.2	NO	N/A

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				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*
3/13/2015	DOW	DW100	12.4	NO	N/A
3/26/2015	DOW	DW450	168.1	YES	С
3/27/2015	DOW	DW016	239.4	NO	N/A
3/27/2015	DOW	DW016A	173.8	NO	N/A
3/27/2015	DOW	DW019	274.5	NO	N/A
3/27/2015	DOW	DW603	117.2	NO	N/A
3/27/2015	DOW	DW604	102.1	YES	С
4/16/2015	DOW	DW612A	89.3	NO	N/A
4/16/2015	DOW	DW612A	108.4	YES	E
4/16/2015	DOW	DW613	206.1	NO	N/A
5/22/2015	DOW	DW601A	167.6	YES	Н
5/22/2015	DOW	DW606	122.2	YES	Н
5/22/2015	DOW	DW607	241.4	NO	N/A
5/22/2015	DOW	DW608	464.4	NO	N/A
5/22/2015	DOW	DW609	343.6	NO	N/A
5/22/2015	DOW	DW610	208.3	NO	N/A
5/22/2015	DOW	DW611	250.1	NO	N/A
5/22/2015	DOW	DW612	350.6	NO	N/A
5/26/2015	DOW	DW022	353.3	YES	Н
5/26/2015	DOW	DW250	227.9	NO	N/A
5/26/2015	DOW	DW251	261.8	NO	N/A
5/26/2015	DOW	DW252	385.5	NO	N/A
5/26/2015	DOW	DW252A	75.4	NO	N/A
5/26/2015	DOW	DW600	14.9	YES	Н
5/26/2015	DOW	DW600	139.9	YES	E, H
5/26/2015	DOW	DW650	369.1	NO	N/A
5/26/2015	DOW	DW660	197.6	YES	Н
5/26/2015	DOW	DW661	201	YES	Н
5/27/2015	DOW	DW018	270.3	YES	Н
5/27/2015	DOW	DW201	222.7	NO	N/A
5/27/2015	DOW	DW202	83.4	NO	N/A
5/27/2015	DOW	DW203	332.7	NO	N/A
5/27/2015	DOW	DW204	270.1	NO	N/A
5/27/2015	DOW	DW255	261.6	NO	N/A
5/27/2015	DOW	DW255A	43.6	NO	N/A
5/27/2015	DOW	DW259	184.7	NO	N/A
5/27/2015	DOW	DW450	173.2	YES	Н
5/27/2015	DOW	DW451	176.3	YES	Н
5/27/2015	DOW	DW452	134.7	NO	N/A
6/1/2015	DOW	DW213	25.1	NO	N/A
6/1/2015	DOW	DW270	398.8	NO	N/A
7/1/2015	DOW	DW400	356.0	NO	N/A
7/1/2015	DOW	DW501	41.0	YES	E
7/6/2015	DOW	DW211	270.7	NO	N/A
7/7/2015	DOW	DW209	168.6	NO	N/A
7/8/2015	DOW	DW302	240.7	NO	N/A
	DOW	DW350	174.1	NO	N/A
7/14/2015					
7/14/2015 1/23/2015	FOURTEENTH ST	FS501	174.6	NO	N/A

1/23/2015 5/4/2015 1/26/2015 1/29/2015 1/29/2015 1/29/2015 3/30/2015 12/8/2015 4/1/2015 3/26/2015 4/1/2015 5/11/2015 5/13/2015 5/13/2015 5/13/2015	FOURTEENTH ST  HANCOCK  HILDRETH-PERRY  HILDRETH-PERRY  HILDRETH-PERRY  HILDRETH-PERRY  HILDRETH-PERRY  HILDRETH-PERRY  HUSSON  KENDUSKEAG EAST  KENDUSKEAG EAST	FS503  HK293  HP608  HP605  HP606  HP607  HP051  HP227  HS401  KE201  KE260  KE301  KE302  KE250  KE250A  KE251	305.4 168.6 246.4 283.1 294.4 276.8 280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO	N/A
1/26/2015 1/29/2015 1/29/2015 1/29/2015 3/30/2015 12/8/2015 4/1/2015 3/26/2015 4/1/2015 5/11/2015 5/13/2015 5/13/2015	HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP608 HP605 HP606 HP607 HP051 HP227 HS401 KE201 KE260 KE301 KE302 KE302 KE250 KE250	246.4 283.1 294.4 276.8 280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO N	N/A
1/29/2015 1/29/2015 1/29/2015 3/30/2015 12/8/2015 4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015	HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP605 HP606 HP607 HP051 HP227 HS401 KE201 KE260 KE301 KE302 KE302 KE250 KE250	283.1 294.4 276.8 280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO N	N/A
1/29/2015 1/29/2015 3/30/2015 12/8/2015 4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	HILDRETH-PERRY HILDRETH-PERRY HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP606 HP607 HP051 HP227 HS401 KE201 KE260 KE260 KE301 KE302 KE250 KE250	294.4 276.8 280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO N	N/A
1/29/2015 3/30/2015 12/8/2015 4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	HILDRETH-PERRY HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP607 HP051 HP227 HS401 KE201 KE260 KE260 KE301 KE302 KE250 KE250A	276.8 280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO YES NO NO	N/A N/A N/A N/A N/A N/A N/A N/A N/A
3/30/2015 12/8/2015 4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	HILDRETH-PERRY HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP051 HP227 HS401 KE201 KE260 KE260 KE301 KE302 KE250 KE250	280.1 308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO NO NO NO NO VES NO NO	N/A N/A N/A N/A N/A G N/A
12/8/2015 4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	HILDRETH-PERRY HUSSON KENDUSKEAG EAST	HP227 HS401 KE201 KE260 KE260 KE301 KE302 KE250	308.7 273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO NO NO NO YES NO	N/A N/A N/A N/A G N/A
4/1/2015 3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	HUSSON KENDUSKEAG EAST	HS401 KE201 KE260 KE260 KE301 KE302 KE250 KE250A	273.0 118.5 235.0 104.7 139.7 649.7 202.5	NO NO NO YES NO	N/A N/A N/A G N/A
3/26/2015 3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	KENDUSKEAG EAST	KE201 KE260 KE260 KE301 KE302 KE250	118.5 235.0 104.7 139.7 649.7 202.5	NO NO YES NO	N/A N/A G N/A
3/26/2015 4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	KENDUSKEAG EAST	KE260 KE260 KE301 KE302 KE250	235.0 104.7 139.7 649.7 202.5	NO YES NO NO	N/A G N/A
4/1/2015 5/11/2015 5/11/2015 5/13/2015 5/13/2015	KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST	KE260 KE301 KE302 KE250 KE250A	104.7 139.7 649.7 202.5	YES NO NO	G N/A
5/11/2015 5/11/2015 5/13/2015 5/13/2015	KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST	KE301 KE302 KE250 KE250A	139.7 649.7 202.5	NO NO	N/A
5/11/2015 5/13/2015 5/13/2015	KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST	KE302 KE250 KE250A	649.7 202.5	NO	·
5/13/2015 5/13/2015	KENDUSKEAG EAST KENDUSKEAG EAST KENDUSKEAG EAST	KE250 KE250A	202.5		N/A
5/13/2015	KENDUSKEAG EAST KENDUSKEAG EAST	KE250A		NO	
	KENDUSKEAG EAST		20.7		N/A
5/13/2015		KF251	38.7	NO	N/A
J/ 1J/ 4U1J	KENDUSKEAG EAST		3.6	NO	N/A
5/14/2015		KE251	213.0	YES	E
10/6/2015	KENDUSKEAG EAST	KE261	311.3	NO	N/A
10/12/2015	KENDUSKEAG EAST	KE261	38.4	YES	E
10/13/2015	KENDUSKEAG EAST	KE261	354.7	YES	D
10/14/2015	KENDUSKEAG EAST	KE261	306.9	YES	G
10/16/2015	KENDUSKEAG EAST	KE262	112.2	NO	N/A
11/19/2015	KENDUSKEAG EAST	KE261	7.3	YES	D
11/19/2015	KENDUSKEAG EAST	KE261A	301.8	NO	N/A
11/19/2015	KENDUSKEAG EAST	KE262	160.2	YES	D
1/7/2015	KENDUSKEAG WEST	KW005	43.5	NO	N/A
2/13/2015	KENDUSKEAG WEST	KW004	95.3	NO	N/A
3/6/2015	KENDUSKEAG WEST	KW065	69.0	NO	N/A
3/6/2015	KENDUSKEAG WEST	KW200	51.7	NO	N/A
3/6/2015	KENDUSKEAG WEST	KW201	381.1	NO	N/A
3/30/2015	KENDUSKEAG WEST	KW281	162.2	NO	N/A
5/14/2015	KENDUSKEAG WEST	KW380	37.3	NO	N/A
5/18/2015	KENDUSKEAG WEST	KW901	146.0	NO	N/A
8/18/2015	KENDUSKEAG WEST	KW102	448.3	NO	N/A
8/18/2015	KENDUSKEAG WEST	KW102	342.2	NO	N/A
8/18/2015	KENDUSKEAG WEST	KW103	14.7	NO	N/A
8/18/2015	KENDUSKEAG WEST	KW160	99.9	NO	N/A
8/18/2015	KENDUSKEAG WEST	KW160L01	28.4	NO	N/A
8/20/2015	KENDUSKEAG WEST	KW201	6.8	YES	IN/A E
<u> </u>				NO NO	N/A
8/20/2015 8/20/2015	KENDUSKEAG WEST KENDUSKEAG WEST	KW202 KW203	369.6 17.0	NO NO	N/A N/A
9/23/2015	KENDUSKEAG WEST	KW004	187.6	YES	D D
<del> </del>	KENDUSKEAG WEST				N/A
9/23/2015		KW302 KW005A	82.2	NO NO	
9/24/2015	KENDUSKEAG WEST		262.5	NO NO	N/A
9/25/2015	KENDUSKEAG WEST	KW003	113.0	NO	N/A
9/25/2015	KENDUSKEAG WEST	KW003A	84.2	NO	N/A
9/25/2015 9/28/2015	KENDUSKEAG WEST KENDUSKEAG WEST	KW004 KW005	187.7 255.8	YES YES	D D

				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*
9/28/2015	KENDUSKEAG WEST	KW070	67.0	NO	N/A
10/15/2015	KENDUSKEAG WEST	KW101	94.5	NO	N/A
10/16/2015	KENDUSKEAG WEST	KW101	785.9	YES	E
1/2/2015	MEADOWBROOK	MB960	295.0	NO	N/A
1/2/2015	MEADOWBROOK	MB961	187.1	NO	N/A
1/2/2015	MEADOWBROOK	MB962	208.7	NO	N/A
1/2/2015	MEADOWBROOK	MB963	264.7	NO	N/A
1/16/2015	MEADOWBROOK	MB366	97.3	NO	N/A
1/16/2015	MEADOWBROOK	MB367	97.3	NO	N/A
2/4/2015	MEADOWBROOK	MB964	296.6	NO	N/A
2/4/2015	MEADOWBROOK	MB965	177.2	NO	N/A
2/6/2015	MEADOWBROOK	MB710	260.4	NO	N/A
2/6/2015	MEADOWBROOK	MB711	124.7	NO	N/A
2/6/2015	MEADOWBROOK	MB775	219.0	NO	N/A
2/6/2015	MEADOWBROOK	MB776	419.7	NO	N/A
4/3/2015	MEADOWBROOK	MB416	238.5	NO	N/A
4/6/2015	MEADOWBROOK	MB416	255.8	YES	Е
4/6/2015	MEADOWBROOK	MB701	46.7	NO	N/A
4/7/2015	MEADOWBROOK	MB862	217.7	NO	N/A
4/7/2015	MEADOWBROOK	MB863	225.6	NO	N/A
4/7/2015	MEADOWBROOK	MB864	103.5	NO	N/A
4/8/2015	MEADOWBROOK	MB860	98.0	NO	N/A
4/8/2015	MEADOWBROOK	MB861	195.2	NO	N/A
4/9/2015	MEADOWBROOK	MB416	172.7	YES	E
4/9/2015	MEADOWBROOK	MB831	247.5	NO	N/A
4/9/2015	MEADOWBROOK	MB832	234.3	NO	N/A
4/9/2015	MEADOWBROOK	MB865	337.6	NO	N/A
4/9/2015	MEADOWBROOK	MB866	324.9	NO	N/A
4/10/2015	MEADOWBROOK	MB812	346.3	NO	N/A
4/10/2015	MEADOWBROOK	MB813	331.1	NO	N/A
4/10/2015	MEADOWBROOK	MB835	275.6	NO	N/A
4/10/2015	MEADOWBROOK	MB836	120.4	NO	N/A
4/10/2015	MEADOWBROOK	MB855	227.4	NO	N/A
4/10/2015	MEADOWBROOK	MB856	121.3	NO	N/A
4/10/2015	MEADOWBROOK	MB857	247.1	NO	N/A
4/10/2015	MEADOWBROOK	MB858	56.4	NO	N/A
4/13/2015	MEADOWBROOK	MB704	240.9	NO	N/A
4/13/2015	MEADOWBROOK	MB705	207.1	NO	N/A
4/13/2015					N/A
4/13/2015	MEADOWBROOK	MB931	60.7 90.0	NO NO	N/A N/A
<u> </u>	MEADOWBROOK	MB932			
4/13/2015	MEADOWBROOK	MB933	259.3	NO NO	N/A
4/13/2015	MEADOWBROOK	MB934	229.7	NO NO	N/A
4/14/2015	MEADOWBROOK	MB706	189.7	NO NO	N/A
4/15/2015	MEADOWBROOK	MB757	223.2	NO	N/A
4/15/2015	MEADOWBROOK	MB759	2.0	NO	N/A
4/21/2015	MEADOWBROOK	MB505	140.4	NO	N/A
4/21/2015	MEADOWBROOK	MB506	300.2	NO	N/A
4/21/2015	MEADOWBROOK	MB507	300.8	NO	N/A
4/21/2015	MEADOWBROOK	MB508	280.3	NO	N/A

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				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*
4/21/2015	MEADOWBROOK	MB509	187.9	NO	N/A
4/21/2015	MEADOWBROOK	MB530	23.6	NO	N/A
4/22/2015	MEADOWBROOK	MB502	74.1	NO	N/A
4/22/2015	MEADOWBROOK	MB503	97.3	NO	N/A
4/22/2015	MEADOWBROOK	MB504	239.5	NO	N/A
4/22/2015	MEADOWBROOK	MB515	121.3	NO	N/A
4/22/2015	MEADOWBROOK	MB530	35.2	YES	С
4/24/2015	MEADOWBROOK	MB531	25.1	NO	N/A
4/24/2015	MEADOWBROOK	MB531	35.7	YES	Е
5/1/2015	MEADOWBROOK	MB356	67.2	NO	N/A
7/7/2015	MEADOWBROOK	MB263	416.2	NO	N/A
7/14/2015	MEADOWBROOK	MB915	85.7	NO	N/A
7/21/2015	MEADOWBROOK	MB353	103.4	NO	N/A
7/21/2015	MEADOWBROOK	MB360	26.3	NO	N/A
7/21/2015	MEADOWBROOK	MB370	287.8	NO	N/A
7/21/2015	MEADOWBROOK	MB550	375.4	NO	N/A
7/21/2015	MEADOWBROOK	MB551	275.4	NO	N/A
7/21/2015	MEADOWBROOK	MB552	71.2	NO	N/A
7/22/2015	MEADOWBROOK	MB552	6.7	YES	E
7/22/2015	MEADOWBROOK	MB553	8.6	NO	N/A
7/22/2015	MEADOWBROOK	MB560	2.8	NO	N/A
7/22/2015	MEADOWBROOK	MB561	44.9	NO	N/A
7/27/2015	MEADOWBROOK	MB018	176.2	NO	N/A
7/27/2015	MEADOWBROOK	MB019	192.5	NO	N/A
7/27/2015	MEADOWBROOK	MB020	115.7	NO	N/A
7/27/2015	MEADOWBROOK	MB021	211.9	NO	N/A
7/27/2015	MEADOWBROOK	MB500	73.8	NO	N/A
7/27/2015	MEADOWBROOK	MB758	82.5	NO	N/A
7/27/2015	MEADOWBROOK	MB758	94.1	YES	E
7/28/2015	MEADOWBROOK	MB017	268.9	NO	N/A
7/28/2015	MEADOWBROOK	MB501	148.7	NO	N/A
7/29/2015	MEADOWBROOK	MB950	261.2	NO	N/A
7/30/2015	MEADOWBROOK	MB956	351.7	NO	N/A
7/30/2015	MEADOWBROOK	MB966	182.4	NO	N/A
7/30/2015	MEADOWBROOK	MB985	43.9	NO	N/A
7/30/2015	MEADOWBROOK	MB986	269.7	NO	N/A
7/30/2015	MEADOWBROOK	MB990	238.5	NO	N/A
8/11/2015	MEADOWBROOK	MB304	74.2	NO	N/A
8/11/2015	MEADOWBROOK	MB305	186.5	NO	N/A
8/11/2015	MEADOWBROOK	MB306	29.0	NO	N/A N/A
	MEADOWBROOK	MB307		NO	N/A
8/12/2015 8/12/2015	MEADOWBROOK	MB308	23.0 133.1	NO	N/A
8/12/2015	MEADOWBROOK	MB309	56.1	NO	N/A
8/12/2015		MB310	345.1	NO	N/A
	MEADOWBROOK MEADOWBROOK	MB301		NO NO	·
8/13/2015	MEADOWBROOK MEADOWBROOK		90.5	NO NO	N/A
8/13/2015	MEADOWBROOK	MB400	173.2		N/A
8/13/2015	MEADOWBROOK	MB401	314.3	NO	N/A
8/13/2015	MEADOWBROOK	MB402	11.6	NO	N/A
8/14/2015	MEADOWBROOK	MB300	72.7	NO	N/A

Inspection Date	Subsection	Pipe Segment ID	Length of Inspection (FT)	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
8/17/2015	MEADOWBROOK	MB302	213.2	NO	N/A
8/17/2015	MEADOWBROOK	MB303	198.6	NO	N/A
8/17/2015	MEADOWBROOK	MB403	18.8	NO	N/A
8/17/2015	MEADOWBROOK	MB415	13.6	NO	N/A
8/26/2015	MEADOWBROOK	MB026	19.2	NO	N/A
8/26/2015	MEADOWBROOK	MB027	121.9	NO	N/A
8/26/2015	MEADOWBROOK	MB028	110.7	NO	N/A
8/26/2015	MEADOWBROOK	MB029	36.1	NO	N/A
8/26/2015	MEADOWBROOK	MB030	207.1	NO	N/A
8/26/2015	MEADOWBROOK	MB700	4.7	NO	N/A
9/10/2015	MEADOWBROOK	MB009	99.7	NO	N/A
11/17/2015	MEADOWBROOK	MB326	388.0	NO	N/A
11/17/2015	MEADOWBROOK	MB327	57.1	NO	N/A
11/18/2015	MEADOWBROOK	MB755	220.0	NO	N/A
1/5/2015	PENJAJAWOC	PJ042	106.3	NO	N/A
1/5/2015	PENJAJAWOC	PJ043	202.1	NO	N/A
1/5/2015	PENJAJAWOC	PJ044	189.4	NO	N/A
1/5/2015	PENJAJAWOC	PJ045	167.6	NO	N/A
1/5/2015	PENJAJAWOC	PJ046	157.4	NO	N/A
1/5/2015	PENJAJAWOC	PJ047	171.2	NO	N/A
1/6/2015	PENJAJAWOC	PJ041	244.7	NO	N/A
4/16/2015	WOODLAWN	WL505	343.2	NO	N/A
4/28/2015	WOODLAWN	WL600	224.8	NO	N/A
4/29/2015	WOODLAWN	WL016	256.1	NO	N/A
4/29/2015	WOODLAWN	WL017	130.2	NO	N/A
4/29/2015	WOODLAWN	WL018	64.1	NO	N/A
4/29/2015	WOODLAWN	WL050	458.5	NO	N/A
4/29/2015	WOODLAWN	WL400	289.6	NO	N/A
5/5/2015	WOODLAWN	WL021	139.1	NO	N/A
5/6/2015	WOODLAWN	WL021	369.9	YES	С
5/6/2015	WOODLAWN	WL023	301.3	NO	N/A
5/6/2015	WOODLAWN	WL024	301.2	NO	N/A
5/6/2015	WOODLAWN	WL025	280.8	NO	N/A
5/6/2015	WOODLAWN	WL500	5.6	NO	N/A
11/6/2015	WOODLAWN	WL531	95.6	NO	N/A
TOTAL CCTV'D	(FT)		121,864		

				Repeat	Justification for
Inspection		Pipe Segment	Length of	Inspection	Repeat Inspection
Date	Subsection	ID	Inspection (FT)	(this CY)	(by Reason Code)*

- \* Reason Codes used in the justification for repeat inspections are as follows:
- A Discovered recent plugs or other buildups
- B Removed protruding service that previously prevented camera from passing, thus allowing reinspection of the pipe segment
- C Removed material or other obstructions in pipes or manholes, thus allowing reinspection of the pipe segment
- D Inspected new work, or assisted contractor preparing to perform work
- E Reinspected pipe segment in order to attempt to obtain an inspection of the entire pipe segment, due to removal of blockages, utilization of another access point, or reconfiguration of camera equipment.
- G Reinspected to perform dye testing, further assess potential work needed, or evaluate progression of defect severity
- H Inspected as part of SSES work to attempt to discover sources of infiltration, likely during a high groundwater period

Date of Inspection	Subsection	Manhole ID	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
2/23/2015	AIRPORT	AP420	NO	N/A
2/23/2015	AIRPORT	AP421	NO	N/A
3/23/2015	AIRPORT	AP604	NO	N/A
4/2/2015	AIRPORT	AP308	NO	N/A
4/6/2015	AIRPORT	AP705	NO	N/A
4/6/2015	AIRPORT	AP706	NO	N/A
4/6/2015	AIRPORT	AP707	NO	N/A
4/14/2015	AIRPORT	AP320	NO	N/A
4/14/2015	AIRPORT	AP321	NO	N/A
4/14/2015	AIRPORT	AP321A	NO	N/A
4/14/2015	AIRPORT	AP721	NO	N/A
4/14/2015	AIRPORT	AP722	NO	N/A
4/22/2015	AIRPORT	AP350	NO	N/A
4/22/2015	AIRPORT	AP351	NO	N/A
4/22/2015	AIRPORT	AP352	NO	N/A
4/22/2015	AIRPORT	AP353	NO	N/A
4/22/2015	AIRPORT	AP354	NO	N/A
4/22/2015	AIRPORT	AP356	NO	N/A
4/23/2015	AIRPORT	AP413	NO	N/A
4/23/2015	AIRPORT	AP414	NO	N/A
4/23/2015	AIRPORT	AP414A	NO	N/A
4/23/2015	AIRPORT	AP415	NO	N/A
4/23/2015	AIRPORT	AP415A	NO	N/A
4/23/2015	AIRPORT	AP416	NO	N/A
4/23/2015	AIRPORT	AP417	NO	N/A
4/23/2015	AIRPORT	AP418	NO	N/A
4/23/2015	AIRPORT	AP419	NO	N/A
4/23/2015	AIRPORT	AP420	YES	Α
4/23/2015	AIRPORT	AP420A	NO	N/A
4/23/2015	AIRPORT	AP481	NO	N/A
4/23/2015	AIRPORT	AP482	NO	N/A
4/24/2015	AIRPORT	AP411	NO	N/A
4/24/2015	AIRPORT	AP412	NO	N/A
4/24/2015	AIRPORT	AP440	NO	N/A
4/24/2015	AIRPORT	AP441	NO	N/A
4/24/2015	AIRPORT	AP442	NO	N/A
4/24/2015	AIRPORT	AP443	NO	N/A
4/24/2015	AIRPORT	AP445	NO	N/A
4/24/2015	AIRPORT	AP450	NO	N/A

			Donast	lustification for
Date of			Repeat Inspection (this	Justification for Repeat Inspection
Inspection	Subsection	Manhole ID	CY)	(by Reason Code)*
4/24/2015	AIRPORT	AP451	NO NO	N/A
4/24/2015	AIRPORT	AP460	NO	N/A
4/24/2015	AIRPORT	AP461	NO	N/A
4/24/2015	AIRPORT	AP470	NO	N/A
4/24/2015	AIRPORT	AP471	NO	N/A
4/24/2015	AIRPORT	AP471 AP472	NO	N/A
4/24/2015	AIRPORT	AP472 AP480	NO	N/A
4/24/2015	AIRPORT	AP406	NO	N/A
			_	N/A
4/27/2015	AIRPORT	AP407	NO NO	N/A
4/27/2015	AIRPORT	AP408		N/A
4/27/2015	AIRPORT	AP409	NO	
4/27/2015	AIRPORT	AP410	NO	N/A N/A
4/27/2015	AIRPORT	AP430	NO	·
4/27/2015	AIRPORT	AP520	NO	N/A
4/27/2015	AIRPORT	AP521	NO	N/A
4/27/2015	AIRPORT	AP522	NO	N/A
4/27/2015	AIRPORT	AP532	NO	N/A
4/27/2015	AIRPORT	AP533	NO	N/A
4/27/2015	AIRPORT	AP534	NO	N/A
4/27/2015	AIRPORT	AP534A	NO	N/A
4/27/2015	AIRPORT	AP545	NO	N/A
4/28/2015	AIRPORT	AP023	NO	N/A
4/28/2015	AIRPORT	AP024	NO	N/A
4/28/2015	AIRPORT	AP025	NO	N/A
4/28/2015	AIRPORT	AP026	NO	N/A
4/28/2015	AIRPORT	AP027	NO	N/A
4/28/2015	AIRPORT	AP050	NO	N/A
4/28/2015	AIRPORT	AP051	NO	N/A
4/28/2015	AIRPORT	AP052	NO	N/A
4/28/2015	AIRPORT	AP070	NO	N/A
4/28/2015	AIRPORT	AP071	NO	N/A
4/28/2015	AIRPORT	AP072	NO	N/A
4/28/2015	AIRPORT	AP402	NO	N/A
4/28/2015	AIRPORT	AP403	NO	N/A
4/28/2015	AIRPORT	AP404	NO	N/A
4/28/2015	AIRPORT	AP405	NO	N/A
4/29/2015	AIRPORT	AP620	NO	N/A
4/29/2015	AIRPORT	AP622	NO	N/A
4/29/2015	AIRPORT	AP630	NO	N/A

Date of Inspection	Subsection	Manhole ID	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
4/29/2015	AIRPORT	AP631	NO	N/A
4/29/2015	AIRPORT	AP650	NO	N/A
4/29/2015	AIRPORT	AP651	NO	N/A
4/29/2015	AIRPORT	AP652	NO	N/A
4/29/2015	AIRPORT	AP653	NO	N/A
4/29/2015	AIRPORT	AP660	NO	N/A
4/29/2015	AIRPORT	AP661	NO	N/A
4/29/2015	AIRPORT	AP662	NO	N/A
4/29/2015	AIRPORT	AP663	NO	N/A
4/30/2015	AIRPORT	AP703	NO	N/A
4/30/2015	AIRPORT	AP704	NO	N/A
4/30/2015	AIRPORT	AP705	YES	Α
4/30/2015	AIRPORT	AP706	NO	N/A
4/30/2015	AIRPORT	AP707	YES	Α
4/30/2015	AIRPORT	AP709	NO	N/A
4/30/2015	AIRPORT	AP715	NO	N/A
4/30/2015	AIRPORT	AP721	YES	Α
4/30/2015	AIRPORT	AP722	YES	Α
4/30/2015	AIRPORT	AP723	NO	N/A
4/30/2015	AIRPORT	AP730	NO	N/A
4/30/2015	AIRPORT	AP731	NO	N/A
4/30/2015	AIRPORT	AP735	NO	N/A
4/30/2015	AIRPORT	AP736	NO	N/A
4/30/2015	AIRPORT	AP744	NO	N/A
4/30/2015	AIRPORT	AP745	NO	N/A
5/1/2015	AIRPORT	AP605	NO	N/A
5/1/2015	AIRPORT	AP606	NO	N/A
5/1/2015	AIRPORT	AP607	NO	N/A
5/1/2015	AIRPORT	AP740	NO	N/A
5/1/2015	AIRPORT	AP740A	NO	N/A
5/1/2015	AIRPORT	AP741	NO	N/A
5/1/2015	AIRPORT	AP742	NO	N/A
5/1/2015	AIRPORT	AP743	NO	N/A
5/1/2015	AIRPORT	AP750	NO	N/A
5/1/2015	AIRPORT	AP751	NO	N/A
5/1/2015	AIRPORT	AP752	NO	N/A
5/1/2015	AIRPORT	AP753	NO	N/A
5/1/2015	AIRPORT	AP754	NO	N/A
5/1/2015	AIRPORT	AP755	NO	N/A

Date of Inspection	Subsection	Manhole ID	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
5/1/2015	AIRPORT	AP756	NO	N/A
5/1/2015	AIRPORT	AP757	NO	N/A
5/1/2015	AIRPORT	AP758	NO	N/A
5/1/2015	AIRPORT	AP759	NO	N/A
5/4/2015	AIRPORT	AP020	NO	N/A
5/4/2015	AIRPORT	AP021	NO	N/A
5/4/2015	AIRPORT	AP022	NO	N/A
5/4/2015	AIRPORT	AP510	NO	N/A
5/4/2015	AIRPORT	AP511	NO	N/A
5/4/2015	AIRPORT	AP512	NO	N/A
5/4/2015	AIRPORT	AP513	NO	N/A
5/4/2015	AIRPORT	AP516	NO	N/A
5/4/2015	AIRPORT	AP600	NO	N/A
5/4/2015	AIRPORT	AP601	NO	N/A
5/4/2015	AIRPORT	AP602	NO	N/A
5/4/2015	AIRPORT	AP603	NO	N/A
5/4/2015	AIRPORT	AP604	YES	Α
5/4/2015	AIRPORT	AP700	NO	N/A
5/4/2015	AIRPORT	AP701	NO	N/A
5/5/2015	AIRPORT	AP500	NO	N/A
5/5/2015	AIRPORT	AP503	NO	N/A
5/5/2015	AIRPORT	AP504	NO	N/A
5/5/2015	AIRPORT	AP505	NO	N/A
5/5/2015	AIRPORT	AP505A	NO	N/A
5/5/2015	AIRPORT	AP506	NO	N/A
5/5/2015	AIRPORT	AP506A	NO	N/A
5/5/2015	AIRPORT	AP507	NO	N/A
5/5/2015	AIRPORT	AP508	NO	N/A
5/5/2015	AIRPORT	AP509	NO	N/A
5/5/2015	AIRPORT	AP530	NO	N/A
5/5/2015	AIRPORT	AP531	NO	N/A
5/5/2015	AIRPORT	AP531A	NO	N/A
5/5/2015	AIRPORT	AP540	NO	N/A
5/5/2015	AIRPORT	AP541	NO	N/A
5/5/2015	AIRPORT	AP541A	NO	N/A
5/5/2015	AIRPORT	AP542	NO	N/A
5/6/2015	AIRPORT	AP009	NO	N/A
5/6/2015	AIRPORT	AP012	NO	N/A
5/6/2015	AIRPORT	AP014	NO	N/A

			Banast	luchification for
Date of			Repeat Inspection (this	Justification for Repeat Inspection
Inspection	Subsection	Manhole ID	CY)	(by Reason Code)*
5/6/2015	AIRPORT	AP015	NO NO	N/A
5/6/2015	AIRPORT	AP016	NO	N/A
5/6/2015	AIRPORT	AP017	NO	N/A
5/6/2015	AIRPORT	AP018	NO	N/A
5/6/2015	AIRPORT	AP019	NO	N/A
5/6/2015	AIRPORT	AP400	NO	N/A
5/6/2015	AIRPORT	AP401	NO	N/A
5/7/2015	AIRPORT	AP008	NO	N/A
5/7/2015	AIRPORT	AP202	NO	N/A
5/7/2015	AIRPORT	AP204	NO	N/A
5/7/2015	AIRPORT	AP230	NO	N/A
5/7/2015	AIRPORT	AP231	NO	N/A
5/7/2015	AIRPORT	AP232	NO	N/A
5/7/2015	AIRPORT	AP233	NO	N/A
5/7/2015	AIRPORT	AP350	YES	A
5/7/2015	AIRPORT	AP351	YES	Α
5/7/2015	AIRPORT	AP352	YES	Α
5/7/2015	AIRPORT	AP353	YES	Α
5/7/2015	AIRPORT	AP354	YES	А
5/7/2015	AIRPORT	AP356	YES	Α
5/18/2015	AIRPORT	AP308	YES	Α
5/18/2015	AIRPORT	AP324	NO	N/A
5/18/2015	AIRPORT	AP325	NO	N/A
5/18/2015	AIRPORT	AP326	NO	N/A
5/18/2015	AIRPORT	AP327	NO	N/A
5/18/2015	AIRPORT	AP328	NO	N/A
5/18/2015	AIRPORT	AP329	NO	N/A
5/18/2015	AIRPORT	AP330	NO	N/A
5/18/2015	AIRPORT	AP331	NO	N/A
5/18/2015	AIRPORT	AP332	NO	N/A
5/18/2015	AIRPORT	AP346	NO	N/A
5/18/2015	AIRPORT	AP360	NO	N/A
5/19/2015	AIRPORT	AP300	NO	N/A
5/19/2015	AIRPORT	AP301	NO	N/A
5/19/2015	AIRPORT	AP302	NO	N/A
5/19/2015	AIRPORT	AP303	NO	N/A
5/19/2015	AIRPORT	AP304	NO	N/A
5/19/2015	AIRPORT	AP305	NO	N/A
5/19/2015	AIRPORT	AP305A	NO	N/A

Date of Inspection	Subsection	Manhole ID	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
5/19/2015	AIRPORT	AP305B	NO	N/A
5/19/2015	AIRPORT	AP306	NO	N/A
5/19/2015	AIRPORT	AP307	NO	N/A
5/19/2015	AIRPORT	AP340	NO	N/A
5/19/2015	AIRPORT	AP341	NO	N/A
5/19/2015	AIRPORT	AP342	NO	N/A
5/19/2015	AIRPORT	AP343	NO	N/A
5/19/2015	AIRPORT	AP344	NO	N/A
5/19/2015	AIRPORT	AP345	NO	N/A
12/21/2015	AIRPORT	AP325	YES	В
12/21/2015	AIRPORT	AP326	YES	В
12/21/2015	AIRPORT	AP327	YES	В
12/21/2015	AIRPORT	AP328	YES	В
12/21/2015	AIRPORT	AP329	YES	В
12/21/2015	AIRPORT	AP330	YES	В
12/21/2015	AIRPORT	AP331	YES	В
12/21/2015	AIRPORT	AP332	YES	В
12/21/2015	AIRPORT	AP343	YES	В
12/21/2015	AIRPORT	AP344	YES	В
12/21/2015	AIRPORT	AP345	YES	В
12/21/2015	AIRPORT	AP346	YES	В
12/21/2015	AIRPORT	AP360	YES	В
12/22/2015	AIRPORT	AP280	NO	N/A
12/22/2015	AIRPORT	AP281	NO	N/A
12/22/2015	AIRPORT	AP282	NO	N/A
12/22/2015	AIRPORT	AP283	NO	N/A
12/22/2015	AIRPORT	AP284	NO	N/A
12/22/2015	AIRPORT	AP285	NO	N/A
12/22/2015	AIRPORT	AP286	NO	N/A
12/22/2015	AIRPORT	AP290	NO	N/A
12/22/2015	AIRPORT	AP291	NO	N/A
12/22/2015	AIRPORT	AP309	NO	N/A
12/22/2015	AIRPORT	AP310	NO	N/A
12/22/2015	AIRPORT	AP311	NO	N/A
12/22/2015	AIRPORT	AP322	NO	N/A
12/22/2015	AIRPORT	AP323	NO	N/A
12/22/2015	AIRPORT	AP340	YES	В
12/22/2015	AIRPORT	AP341	YES	В
12/22/2015	AIRPORT	AP342	YES	В

Date of Inspection	Subsection	Manhole ID	Repeat Inspection (this CY)	Justification for Repeat Inspection (by Reason Code)*
12/22/2015	AIRPORT	AP370	NO	N/A
12/22/2015	AIRPORT	AP371	NO	N/A
12/22/2015	AIRPORT	AP372	NO	N/A
12/23/2015	AIRPORT	AP211	NO	N/A
12/23/2015	AIRPORT	AP212	NO	N/A
12/23/2015	AIRPORT	AP263	NO	N/A
12/23/2015	AIRPORT	AP264	NO	N/A
12/23/2015	AIRPORT	AP265	NO	N/A
1/15/2015	ARCTIC BROOK	AB110	NO	N/A
1/30/2015	ARCTIC BROOK	AB150	NO	N/A
1/30/2015	ARCTIC BROOK	AB160	NO	N/A
1/30/2015	ARCTIC BROOK	AB161	NO	N/A
1/30/2015	ARCTIC BROOK	AB208	NO	N/A
1/30/2015	ARCTIC BROOK	AB209	NO	N/A
1/30/2015	ARCTIC BROOK	AB210	NO	N/A
2/4/2015	ARCTIC BROOK	AB130	NO	N/A
2/4/2015	ARCTIC BROOK	AB131	NO	N/A
2/4/2015	ARCTIC BROOK	AB206	NO	N/A
2/4/2015	ARCTIC BROOK	AB207	NO	N/A
2/4/2015	ARCTIC BROOK	AB233	NO	N/A
2/4/2015	ARCTIC BROOK	AB234	NO	N/A
2/4/2015	ARCTIC BROOK	AB235	NO	N/A
2/5/2015	ARCTIC BROOK	AB106	NO	N/A
2/6/2015	ARCTIC BROOK	AB230	NO	N/A
2/6/2015	ARCTIC BROOK	AB231	NO	N/A
2/6/2015	ARCTIC BROOK	AB232	NO	N/A
2/12/2015	ARCTIC BROOK	AB480	NO	N/A
2/12/2015	ARCTIC BROOK	AB490	NO	N/A
2/18/2015	ARCTIC BROOK	AB006	NO	N/A
5/13/2015	ARCTIC BROOK	AB240	NO	N/A
12/18/2015	ARCTIC BROOK	AB052	NO	N/A
12/18/2015	ARCTIC BROOK	AB053	NO	N/A
12/18/2015	ARCTIC BROOK	AB055	NO	N/A
12/18/2015	ARCTIC BROOK	AB065	NO	N/A
12/21/2015	ARCTIC BROOK	AB054	NO	N/A
12/21/2015	ARCTIC BROOK	AB070	NO	N/A
12/21/2015	ARCTIC BROOK	AB071	NO	N/A
12/21/2015	ARCTIC BROOK	AB072	NO	N/A
12/21/2015	ARCTIC BROOK	AB075	NO	N/A

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12/21/2015	ARCTIC BROOK	AB355	NO	N/A	
12/21/2015	ARCTIC BROOK	AB356	NO	N/A	
12/21/2015	ARCTIC BROOK	AB360	NO	N/A	
12/21/2015	ARCTIC BROOK	AB420	NO	N/A	
12/21/2015	ARCTIC BROOK	AB421	NO	N/A	
12/21/2015	ARCTIC BROOK	AB422	NO	N/A	
12/21/2015	ARCTIC BROOK	AB423	NO	N/A	
12/21/2015	ARCTIC BROOK	AB424	NO	N/A	
12/21/2015	ARCTIC BROOK	AB425	NO	N/A	
12/21/2015	ARCTIC BROOK	AB426	NO	N/A	
12/21/2015	ARCTIC BROOK	AB427	NO	N/A	
12/21/2015	ARCTIC BROOK	AB428	NO	N/A	
12/21/2015	ARCTIC BROOK	AB435	NO	N/A	
12/21/2015	ARCTIC BROOK	AB440	NO	N/A	
12/21/2015	ARCTIC BROOK	AB452	NO	N/A	
12/21/2015	ARCTIC BROOK	AB454	NO	N/A	
12/21/2015	ARCTIC BROOK	AB456	NO	N/A	
12/21/2015	ARCTIC BROOK	AB470	NO	N/A	
12/21/2015	ARCTIC BROOK	AB471	NO	N/A	
12/22/2015	ARCTIC BROOK	AB107	NO	N/A	
12/22/2015	ARCTIC BROOK	AB108	NO	N/A	
12/22/2015	ARCTIC BROOK	AB109	NO	N/A	
12/22/2015	ARCTIC BROOK	AB124	NO	N/A	
12/22/2015	ARCTIC BROOK	AB132	NO	N/A	
12/22/2015	ARCTIC BROOK	AB135	NO	N/A	
12/22/2015	ARCTIC BROOK	AB136	NO	N/A	
12/22/2015	ARCTIC BROOK	AB137	NO	N/A	
12/22/2015	ARCTIC BROOK	AB140	NO	N/A	
12/22/2015	ARCTIC BROOK	AB141	NO	N/A	
12/22/2015	ARCTIC BROOK	AB300	NO	N/A	
12/22/2015	ARCTIC BROOK	AB350	NO	N/A	
12/22/2015	ARCTIC BROOK	AB351	NO	N/A	
12/22/2015	ARCTIC BROOK	AB352	NO	N/A	
12/22/2015	ARCTIC BROOK	AB353	NO	N/A	
12/22/2015	ARCTIC BROOK	AB354	NO	N/A	
12/22/2015	ARCTIC BROOK	AB370	NO	N/A	
12/22/2015	ARCTIC BROOK	AB380	NO	N/A	
12/22/2015	ARCTIC BROOK	AB511	NO	N/A	
12/22/2015	ARCTIC BROOK	AB560	NO	N/A	

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12/22/2015	ARCTIC BROOK	AB561	NO	N/A
12/23/2015	ARCTIC BROOK	AB028	NO	N/A
12/23/2015	ARCTIC BROOK	AB028 AB081	NO	N/A
12/23/2015	ARCTIC BROOK	AB081 AB082	NO	N/A
12/23/2015	ARCTIC BROOK  ARCTIC BROOK	AB082 AB083	NO	N/A
12/23/2015	ARCTIC BROOK  ARCTIC BROOK	AB085	NO	N/A
				N/A
12/23/2015	ARCTIC BROOK	AB100	NO NO	N/A
12/23/2015	ARCTIC BROOK	AB101	-	N/A
12/23/2015	ARCTIC BROOK	AB102	NO	-
12/23/2015	ARCTIC BROOK	AB103	NO	N/A
12/23/2015	ARCTIC BROOK	AB120	NO	N/A
12/23/2015	ARCTIC BROOK	AB121	NO	N/A
12/23/2015	ARCTIC BROOK	AB122	NO	N/A
12/23/2015	ARCTIC BROOK	AB123	NO	N/A
12/23/2015	ARCTIC BROOK	AB200	NO	N/A
12/23/2015	ARCTIC BROOK	AB201	NO	N/A
12/23/2015	ARCTIC BROOK	AB202	NO	N/A
12/23/2015	ARCTIC BROOK	AB203	NO	N/A
12/23/2015	ARCTIC BROOK	AB220	NO	N/A
12/23/2015	ARCTIC BROOK	AB221	NO	N/A
12/23/2015	ARCTIC BROOK	AB236	NO	N/A
12/23/2015	ARCTIC BROOK	AB241	NO	N/A
12/23/2015	ARCTIC BROOK	AB250	NO	N/A
12/23/2015	ARCTIC BROOK	AB251	NO	N/A
12/23/2015	ARCTIC BROOK	AB510	NO	N/A
12/23/2015	ARCTIC BROOK	AB550	NO	N/A
12/23/2015	ARCTIC BROOK	AB551	NO	N/A
12/23/2015	ARCTIC BROOK	AB570	NO	N/A
12/23/2015	ARCTIC BROOK	AB620	NO	N/A
12/23/2015	ARCTIC BROOK	AB621	NO	N/A
12/23/2015	ARCTIC BROOK	AB622	NO	N/A
12/23/2015	ARCTIC BROOK	AB630	NO	N/A
12/23/2015	ARCTIC BROOK	AB750	NO	N/A
12/23/2015	ARCTIC BROOK	AB751	NO	N/A
12/23/2015	ARCTIC BROOK	AB752	NO	N/A
12/23/2015	ARCTIC BROOK	AB760	NO	N/A
12/23/2015	ARCTIC BROOK	AB800	NO	N/A
12/23/2015	ARCTIC BROOK	AB801	NO	N/A
12/23/2015	ARCTIC BROOK	AB802	NO	N/A

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12/23/2015	ARCTIC BROOK	AB803	NO	N/A
12/23/2015	ARCTIC BROOK  ARCTIC BROOK	AB820	NO	N/A
12/23/2015	ARCTIC BROOK  ARCTIC BROOK	AB821	NO	N/A
12/23/2015	ARCTIC BROOK  ARCTIC BROOK	AB821 AB822	NO	N/A
		BV023	NO	N/A
1/29/2015	BARKERSVILLE			N/A
1/29/2015	BARKERSVILLE	BV029	NO	
1/29/2015	BARKERSVILLE	BV715	NO	N/A
1/29/2015	BARKERSVILLE	BV725	NO	N/A
2/6/2015	BARKERSVILLE	BV332	NO	N/A
2/9/2015	BARKERSVILLE	BV410	NO	N/A
2/9/2015	BARKERSVILLE	BV411	NO	N/A
2/9/2015	BARKERSVILLE	BV412	NO	N/A
2/9/2015	BARKERSVILLE	BV450	NO	N/A
2/9/2015	BARKERSVILLE	BV453	NO	N/A
2/10/2015	BARKERSVILLE	BV451	NO	N/A
2/10/2015	BARKERSVILLE	BV477	NO	N/A
2/10/2015	BARKERSVILLE	BV478	NO	N/A
2/10/2015	BARKERSVILLE	BV520	NO	N/A
2/10/2015	BARKERSVILLE	BV545	NO	N/A
3/14/2015	BARKERSVILLE	BV476	NO	N/A
3/17/2015	BARKERSVILLE	BV475	NO	N/A
12/28/2015	BARKERSVILLE	BV479	NO	N/A
12/28/2015	BLANCHARD STREET	BS300	NO	N/A
12/28/2015	BLANCHARD STREET	BS301	NO	N/A
12/28/2015	BLANCHARD STREET	BS302	NO	N/A
12/28/2015	BLANCHARD STREET	BS303	NO	N/A
1/30/2015	BURLEIGH	BU023	NO	N/A
1/30/2015	BURLEIGH	BU800	NO	N/A
1/30/2015	BURLEIGH	BU801	NO	N/A
1/30/2015	BURLEIGH	BU802	NO	N/A
1/30/2015	BURLEIGH	BU803	NO	N/A
2/12/2015	BURLEIGH	BU541	NO	N/A
2/13/2015	BURLEIGH	BU540	NO	N/A
2/13/2015	BURLEIGH	BU542	NO	N/A
2/13/2015	BURLEIGH	BU550	NO	N/A
2/13/2015	BURLEIGH	BU551	NO	N/A
2/13/2015	BURLEIGH	BU560	NO	N/A
2/13/2015	BURLEIGH	BU570	NO	N/A
2/13/2015	BURLEIGH	BU571	NO	N/A

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2/17/2015	BURLEIGH	BU552	NO	N/A	
2/17/2015	BURLEIGH	BU553	NO	N/A	
2/17/2015	BURLEIGH	BU554	NO	N/A	
2/27/2015	BURLEIGH	BU450	NO	N/A	
2/27/2015	BURLEIGH	BU451	NO	N/A	
2/27/2015	BURLEIGH	BU452	NO	N/A	
2/27/2015	BURLEIGH	BU453	NO	N/A	
2/27/2015	BURLEIGH	BU454	NO	N/A	
2/27/2015	BURLEIGH	BU455	NO	N/A	
2/27/2015	BURLEIGH	BU460	NO	N/A	
2/27/2015	BURLEIGH	BU462	NO	N/A	
2/20/2015	CARR BROOK	CB021	NO	N/A	
2/20/2015	CARR BROOK	CB400	NO	N/A	
2/20/2015	CARR BROOK	CB401	NO	N/A	
2/20/2015	CARR BROOK	CB402	NO	N/A	
2/20/2015	CARR BROOK	CB403	NO	N/A	
2/20/2015	CARR BROOK	CB800	NO	N/A	
2/23/2015	CARR BROOK	CB017	NO	N/A	
2/23/2015	CARR BROOK	CB018	NO	N/A	
2/23/2015	CARR BROOK	CB036	NO	N/A	
2/23/2015	CARR BROOK	CB037	NO	N/A	
2/23/2015	CARR BROOK	CB210	NO	N/A	
2/24/2015	CARR BROOK	CB130	NO	N/A	
2/24/2015	CARR BROOK	CB135	NO	N/A	
3/23/2015	CARR BROOK	CB016	NO	N/A	
3/23/2015	CARR BROOK	CB031	NO	N/A	
3/23/2015	CARR BROOK	CB750	NO	N/A	
1/23/2015	CEMETERY	CM671	NO	N/A	
1/23/2015	CEMETERY	CM672	NO	N/A	
1/29/2015	CEMETERY	CM571	NO	N/A	
1/29/2015	CEMETERY	CM781	NO	N/A	
2/29/2015	CEMETERY	CM581	NO	N/A	
2/30/2015	CEMETERY	CM580	NO	N/A	
2/10/2015	DAVIS BROOK	DB960	NO	N/A	
2/10/2015	DAVIS BROOK	DB961	NO	N/A	
2/17/2015	DAVIS BROOK	DB552	NO	N/A	
2/17/2015	DAVIS BROOK	DB553	NO	N/A	
5/13/2015	DAVIS BROOK	DB021	NO	N/A	
5/13/2015	DAVIS BROOK	DB702	NO	N/A	

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5/15/2015	DAVIS BROOK	DB380	NO	N/A	
5/15/2015	DAVIS BROOK	DB803	NO	N/A	
12/21/2015	DAVIS BROOK	DB017	NO	N/A	
12/21/2015	DAVIS BROOK	DB018	NO	N/A	
12/21/2015	DAVIS BROOK	DB470	NO	N/A	
12/21/2015	DAVIS BROOK	DB471	NO	N/A	
12/21/2015	DAVIS BROOK	DB472	NO	N/A	
12/21/2015	DAVIS BROOK	DB605	NO	N/A	
12/21/2015	DAVIS BROOK	DB611	NO	N/A	
12/21/2015	DAVIS BROOK	DB620	NO	N/A	
12/21/2015	DAVIS BROOK	DB700	NO	N/A	
2/9/2015	DOW	DW350	NO	N/A	
2/9/2015	DOW	DW351	NO	N/A	
2/11/2015	DOW	DW614	NO	N/A	
2/17/2015	DOW	DW240	NO	N/A	
2/17/2015	DOW	DW255	NO	N/A	
2/17/2015	DOW	DW256	NO	N/A	
3/24/2015	DOW	DW284	NO	N/A	
3/24/2015	DOW	DW285	NO	N/A	
3/24/2015	DOW	DW286	NO	N/A	
3/24/2015	DOW	DW287	NO	N/A	
3/24/2015	DOW	DW290	NO	N/A	
3/24/2015	DOW	DW291	NO	N/A	
3/24/2015	DOW	DW292	NO	N/A	
3/25/2015	DOW	DW203	NO	N/A	
3/25/2015	DOW	DW250	NO	N/A	
3/25/2015	DOW	DW251	NO	N/A	
4/15/2015	DOW	DW605	NO	N/A	
4/15/2015	DOW	DW606	NO	N/A	
4/15/2015	DOW	DW607	NO	N/A	
4/15/2015	DOW	DW608	NO	N/A	
4/15/2015	DOW	DW609	NO	N/A	
4/15/2015	DOW	DW610	NO	N/A	
4/15/2015	DOW			N/A	
4/15/2015	DOW	DW612	NO	N/A	
4/15/2015	DOW	DW613	NO	N/A	
4/15/2015	DOW	DW613A	NO	N/A	
4/15/2015	DOW	DW670	NO	N/A	
4/16/2015	DOW	DW020	NO	N/A	

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4/16/2015	DOW	DW021	NO	N/A	
4/16/2015	DOW	DW022	NO	N/A	
4/16/2015	DOW	DW500	NO	N/A	
4/16/2015	DOW	DW501	NO	N/A	
4/16/2015	DOW	DW550	NO	N/A	
4/16/2015	DOW	DW551	NO	N/A	
4/16/2015	DOW	DW552	NO	N/A	
4/16/2015	DOW	DW553	NO	N/A	
4/16/2015	DOW	DW554	NO	N/A	
4/16/2015	DOW	DW600	NO	N/A	
4/16/2015	DOW	DW601	NO	N/A	
4/16/2015	DOW	DW601A	NO	N/A	
4/16/2015	DOW	DW601B	NO	N/A	
4/16/2015	DOW	DW602	NO	N/A	
4/16/2015	DOW	DW603	NO	N/A	
4/16/2015	DOW	DW604	NO	N/A	
4/16/2015	DOW	DW612A	NO	N/A	
4/16/2015	DOW	DW650	NO	N/A	
4/16/2015	DOW	DW660	NO	N/A	
4/16/2015	DOW	DW661	NO	N/A	
4/17/2015	DOW	DW018	NO	N/A	
4/17/2015	DOW	DW019	NO	N/A	
4/17/2015	DOW	DW300	NO	N/A	
4/17/2015	DOW	DW301	NO	N/A	
4/17/2015	DOW	DW302	NO	N/A	
4/17/2015	DOW	DW303	NO	N/A	
4/17/2015	DOW	DW304	NO	N/A	
4/17/2015	DOW	DW305	NO	N/A	
4/17/2015	DOW	DW306	NO	N/A	
4/17/2015	DOW	DW307	NO	N/A	
4/17/2015	DOW	DW308	NO	N/A	
4/17/2015	DOW	DW350	YES	А	
4/17/2015	DOW	DW351	YES	Α	
4/20/2015	DOW	DW009	NO	N/A	
4/20/2015	DOW	DW011	NO	N/A	
4/20/2015	DOW	DW012	NO	N/A	
4/20/2015	DOW	DW013	NO	N/A	
4/20/2015	DOW	DW014	NO	N/A	
4/20/2015	DOW	DW015	NO	N/A	

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4/20/2015	DOW	DW016	NO	N/A
4/20/2015	DOW	DW016A	NO	N/A
4/20/2015	DOW	DW017	NO	N/A
4/20/2015	DOW	DW209	NO	N/A
4/20/2015	DOW	DW211	NO	N/A
4/20/2015	DOW	DW212	NO	N/A
4/20/2015	DOW	DW213	NO	N/A
4/20/2015	DOW	DW214	NO	N/A
4/20/2015	DOW	DW270	NO	N/A
4/20/2015	DOW	DW275	NO	N/A
4/20/2015	DOW	DW276	NO	N/A
4/20/2015	DOW	DW280	NO	N/A
4/20/2015	DOW	DW281	NO	N/A
4/20/2015	DOW	DW282	NO	N/A
4/20/2015	DOW	DW283	NO	N/A
4/20/2015	DOW	DW284	YES	А
4/20/2015	DOW	DW285	YES	А
4/20/2015	DOW	DW286	YES	Α
4/20/2015	DOW	DW287	YES	Α
4/20/2015	DOW	DW290	YES	Α
4/20/2015	DOW	DW291	YES	Α
4/20/2015	DOW	DW292	YES	Α
4/21/2015	DOW	DW203	YES	Α
4/21/2015	DOW	DW204	NO	N/A
4/21/2015	DOW	DW206	NO	N/A
4/21/2015	DOW	DW207	NO	N/A
4/21/2015	DOW	DW208	NO	N/A
4/21/2015	DOW	DW240	YES	Α
4/21/2015	DOW	DW250	YES	Α
4/21/2015	DOW	DW251	YES	А
4/21/2015	DOW	DW252	NO	N/A
4/21/2015	DOW	DW252B	NO	N/A
4/21/2015	DOW	DW253	NO	N/A
4/21/2015	DOW	DW259	NO	N/A
4/21/2015	DOW	DW260	NO	N/A
4/21/2015	DOW	DW261	NO	N/A
4/21/2015	DOW	DW262	NO	N/A
4/21/2015	DOW	DW265	NO	N/A
4/22/2015	DOW	DW200	NO	N/A

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4/22/2015	DOW	DW201	NO	N/A
4/22/2015	DOW	DW202	NO	N/A
4/22/2015	DOW	DW252A	NO	N/A
4/22/2015	DOW	DW255	NO	N/A
4/22/2015	DOW	DW255A	NO	N/A
4/22/2015	DOW	DW256	YES	Α
4/22/2015	DOW	DW400	NO	N/A
4/22/2015	DOW	DW401	NO	N/A
4/22/2015	DOW	DW452	NO	N/A
4/22/2015	DOW	DW453	NO	N/A
1/23/2015	FOURTEENTH ST	FS500	NO	N/A
1/23/2015	FOURTEENTH ST	FS501	NO	N/A
1/23/2015	FOURTEENTH ST	FS502	NO	N/A
1/23/2015	FOURTEENTH ST	FS503	NO	N/A
1/29/2015	FOURTEENTH ST	FS050	NO	N/A
3/6/2015	HANCOCK	HK262	NO	N/A
3/23/2015	HANCOCK	HK110	NO	N/A
3/23/2015	HANCOCK	HK251	NO	N/A
3/23/2015	HANCOCK	HK252	NO	N/A
3/23/2015	HANCOCK	HK260	NO	N/A
3/23/2015	HANCOCK	HK261	NO	N/A
5/4/2015	HANCOCK	HK293	NO	N/A
1/28/2015	HILDRETH-PERRY	HP466	NO	N/A
1/28/2015	HILDRETH-PERRY	HP480	NO	N/A
1/28/2015	HILDRETH-PERRY	HP486	NO	N/A
1/28/2015	HILDRETH-PERRY	HP605	NO	N/A
1/28/2015	HILDRETH-PERRY	HP606	NO	N/A
1/28/2015	HILDRETH-PERRY	HP607	NO	N/A
1/28/2015			NO	N/A
1/30/2015	HILDRETH-PERRY	HP465	NO	N/A
1/30/2015	HILDRETH-PERRY	HP485	NO	N/A
3/6/2015	HILDRETH-PERRY	HP014	NO	N/A
3/6/2015	HILDRETH-PERRY	HP015	NO	N/A
3/6/2015	HILDRETH-PERRY	HP070	NO	N/A
3/6/2015	HILDRETH-PERRY	HP072	NO	N/A
2/6/2015	KENDUSKEAG EAST	KE260	NO	N/A
2/6/2015	KENDUSKEAG EAST	KE261	NO	N/A
2/18/2015	KENDUSKEAG EAST			N/A
2/18/2015	KENDUSKEAG EAST	KE301	NO	N/A

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3/24/2015	KENDUSKEAG EAST	KE050	NO NO	N/A
3/24/2015	KENDUSKEAG EAST	KE100	NO	N/A
3/24/2015	KENDUSKEAG EAST	KE150	NO	N/A
3/24/2015	KENDUSKEAG EAST	KE201	NO	N/A
1/30/2015	KENDUSKEAG INTERCEPTOR	KI037	NO	N/A
2/11/2015	MAY STREET	MY001	NO	N/A
				N/A
2/11/2015	MAY STREET	MY002	NO	N/A
2/4/2015	MEADOWBROOK	MB963	NO	
2/4/2015	MEADOWBROOK	MB964	NO	N/A
2/6/2015	MEADOWBROOK	MB710	NO	N/A
2/6/2015	MEADOWBROOK	MB775	NO	N/A
2/11/2015	MEADOWBROOK	MB202	NO	N/A
2/11/2015	MEADOWBROOK	MB203	NO	N/A
2/11/2015	MEADOWBROOK	MB204	NO	N/A
2/11/2015	MEADOWBROOK	MB205	NO	N/A
2/12/2015	MEADOWBROOK	MB114	NO	N/A
2/12/2015	MEADOWBROOK	MB206	NO	N/A
2/19/2015	MEADOWBROOK	MB910	NO	N/A
2/19/2015	MEADOWBROOK	MB950	NO	N/A
2/19/2015	MEADOWBROOK	MB960	NO	N/A
2/24/2015	MEADOWBROOK	MB756	NO	N/A
2/24/2015	MEADOWBROOK	MB758	NO	N/A
3/23/2015	MEADOWBROOK	MB951	NO	N/A
3/25/2015	MEADOWBROOK	MB135	NO	N/A
3/25/2015	MEADOWBROOK	MB141	NO	N/A
3/25/2015	MEADOWBROOK	MB146	NO	N/A
3/25/2015	MEADOWBROOK	MB147	NO	N/A
4/7/2015	MEADOWBROOK	MB862	NO	N/A
4/7/2015	MEADOWBROOK	MB863	NO	N/A
4/7/2015	MEADOWBROOK	MB864	NO	N/A
4/8/2015	MEADOWBROOK	MB860	NO	N/A
4/8/2015	MEADOWBROOK	MB861	NO	N/A
4/9/2015	MEADOWBROOK	MB831	NO	N/A
4/9/2015	MEADOWBROOK	MB832	NO	N/A
4/9/2015	MEADOWBROOK	MB851	NO	N/A
4/9/2015	MEADOWBROOK	MB865	NO	N/A
4/9/2015	MEADOWBROOK	MB866	NO	N/A
4/10/2015	MEADOWBROOK	MB857	NO	N/A
4/10/2015	MEADOWBROOK	MB858	NO	N/A

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4/14/2015	MEADOWBROOK	MB930	NO	N/A
4/14/2015	MEADOWBROOK	MB931	NO	N/A
4/14/2015	MEADOWBROOK	MB933	NO	N/A
4/14/2015	MEADOWBROOK	MB934	NO	N/A
4/15/2015	MEADOWBROOK	MB757	NO	N/A
4/16/2015	MEADOWBROOK	MB932	NO	N/A
4/22/2015	MEADOWBROOK	MB503	NO	N/A
4/27/2015	MEADOWBROOK	MB505	NO	N/A
4/27/2015	MEADOWBROOK	MB506	NO	N/A
4/29/2015	MEADOWBROOK	MB502	NO	N/A
4/29/2015	MEADOWBROOK	MB504	NO	N/A
4/29/2015	MEADOWBROOK	MB507	NO	N/A
4/29/2015	MEADOWBROOK	MB508	NO	N/A
4/29/2015	MEADOWBROOK	MB509	NO	N/A
4/29/2015	MEADOWBROOK	MB530	NO	N/A
2/18/2015	MILL STREET	MS206	NO	N/A
1/29/2015	OLD CAPEHART	OC100	NO	N/A
3/23/2015	OLD CAPEHART	OC402	NO	N/A
5/21/2015	OLD CAPEHART	OC014	NO	N/A
2/12/2015	WOODLAWN	WL104	NO	N/A
2/12/2015	WOODLAWN	WL105	NO	N/A
2/12/2015	WOODLAWN	WL120	NO	N/A
2/23/2015	WOODLAWN	WL504	NO	N/A
2/23/2015	WOODLAWN	WL505	NO	N/A
4/5/2015	WOODLAWN	WL021	NO	N/A
4/29/2015	WOODLAWN	WL023	NO	N/A
5/6/2015	WOODLAWN	WL024	NO	N/A
5/6/2015	WOODLAWN	WL025	NO	N/A
5/13/2015	WOODLAWN	WL020	NO	N/A
5/13/2015	WOODLAWN	WL022	NO	N/A
		<u> </u>		
TOTAL MANHO	LES INSPECTED		654	

<sup>\*</sup> Reason Codes used in the justification for repeat inspections are as follows:

A - Inspected as part of SSES work to attempt to discover sources of infiltration, likely during a high groundwater period

B - Inspected to evaluate condition or determine physical attributes, if not done during a previous inspection

Subsection	Pipe Segment ID	Manhole ID	Location	Description of Repair or Defect	Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule
AIRPORT		AP706	MANHOLE	INVERT WORK	COMPLETE	11.4.15
AIRPORT	AP330		AP330	39', 8" Line	COMPLETE	11.12.15
ARCTIC BROOK		AB605	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB605A	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB606	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB607	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB608	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB609	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB610	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
ARCTIC BROOK		AB353	MANHOLE	INVERT WORK	COMPLETE	8.14.15
ARCTIC BROOK		AB006	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB236	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB235	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB234	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB233	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB232	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB231	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
ARCTIC BROOK		AB230	MANHOLE	NEW RIM & COVER	COMPLETE	10.7.15
BARKERSVILLE	BV017		220' FROM BV017	REPAIRED HOLE IN LINE	COMPLETE	8.4.15
BARKERSVILLE	BV479		BV479	26', 10" LINE	COMPLETE	10.16.15
BARKERSVILLE	BV503		BV503	33', 8" LINE	COMPLETE	10.14.15
BARKERSVILLE	BV520A		FROM BV502	51', 10" LINE	COMPLETE	10.16.15
BARKERSVILLE		BV102	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BARKERSVILLE		BV103	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BARKERSVILLE		BV104	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BARKERSVILLE		BV105	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BARKERSVILLE		BV106	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BARKERSVILLE		BV212	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
BARKERSVILLE		BV213	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
BARKERSVILLE		BV214	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
BARKERSVILLE		BV215	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
BARKERSVILLE		BV216	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
BARKERSVILLE		BV217	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
BARKERSVILLE		BV218	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
BARKERSVILLE		BV015	MANHOLE	RESET RIM, COVER	COMPLETE	10.21.15
BARKERSVILLE		BV016	MANHOLE	RESET RIM, COVER	COMPLETE	10.21.15
BARKERSVILLE		BV505	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV503	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV545	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV520A	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV520	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV478	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV477	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV502	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BARKERSVILLE		BV023	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
BARKERSVILLE		BV502	MANHOLE	NEW MANHOLE	COMPLETE	10.16.15

Subsection	Pipe Segment ID	Manhole ID	Location	Description of Repair or Defect	Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule
BARKERSVILLE		BV024	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
BARKERSVILLE		BV022	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
BURLEIGH		BU300	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
BURLEIGH		BU301	MANHOLE	NEW RIM & COVER	COMPLETE	6.15.15
BURLEIGH		BU302	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU303	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU304	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU305	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU306	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU307	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU308	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU309	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU310	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU311	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU312	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU011	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
BURLEIGH		BU452	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BURLEIGH		BU453	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BURLEIGH		BU454	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BURLEIGH		BU455	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BURLEIGH		BU460	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
BURLEIGH		BU302	MANHOLE	INVERT WORK	COMPLETE	7.23.15
BURLEIGH		BU571	MANHOLE	INVERT WORK	COMPLETE	8.17.15
CAPEHART		OC431	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
CARR BROOK	CB211		CB211-CB210	UV LINED 177'	COMPLETE	12.11.15
CARR BROOK		CB122	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
CARR BROOK		CB123	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
CARR BROOK		CB124	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
CARR BROOK		CB125	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
CARR BROOK		CB126	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
CARR BROOK		CB012	MANHOLE	NEW RIM & COVER	COMPLETE	6.5.15
CARR BROOK		CB125	MANHOLE	INVERT WORK	COMPLETE	8.17.15
CARR BROOK		CB800	MANHOLE	NEW RIM & COVER	COMPLETE	11.2.15
CARR BROOK		CB801	MANHOLE	NEW RIM & COVER	COMPLETE	11.2.15
CARR BROOK		CB506	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
CARR BROOK		CB505	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
CARR BROOK		CB504	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK	DB022	22001	FROM DB021	10', 21" LINE	COMPLETE	10.12.15
DAVIS BROOK	DB024		DB024	NEW MANHOLE	COMPLETE	9.28.15
DAVIS BROOK	DB024A		DB024A	44', 21" LINE	COMPLETE	9.29.15
DAVIS BROOK	DB024A		CB LEAD	31', 8" LINE	COMPLETE	9.29.15
DAVIS BROOK	DB024A		SERVICE	14', 8" SERVICE	COMPLETE	9.29.15
DAVIS BROOK	DB024A		SERVICE	10', 6" LINE	COMPLETE	9.29.15
DAVIS BROOK  DAVIS BROOK	DB024A		DB850	68', 12" LINE	COMPLETE	10.1.15
DAVIS BROOK  DAVIS BROOK	DB850		DB850 DB850A	NEW MANHOLE	COMPLETE	10.1.15
DAVIS BROOK  DAVIS BROOK	DB850 DB851		DB850A  DB851	NEW MANHOLE NEW MANHOLE	COMPLETE	10.6.15

Subsection			Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule		
DAVIS BROOK	DB852		DB852	203', 8" LINE, 2 MANHOLES	COMPLETE	10.29.15
DAVIS BROOK		DB430	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
DAVIS BROOK		DB101A	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
DAVIS BROOK		DB101B	MANHOLE	NEW RIM & COVER	COMPLETE	7.15.15
DAVIS BROOK		DB101C	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
DAVIS BROOK		DB120	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
DAVIS BROOK		DB301A	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB302	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB303	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB303A	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB360	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
DAVIS BROOK		DB361	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
DAVIS BROOK		DB504	MANHOLE	RESET RIM, COVER	COMPLETE	10.27.15
DAVIS BROOK		DB610	MANHOLE	RESET RIM, COVER	COMPLETE	10.27.15
DAVIS BROOK		DB019	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		DB702	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		DB020	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		DB021	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		DB022	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		DB023	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
DAVIS BROOK		NEW	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB850	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB850	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
DAVIS BROOK		DB023	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
DAVIS BROOK		DB022	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
DAVIS BROOK		DB021	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
DAVIS BROOK		DB702	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
DAVIS BROOK		DB553	MANHOLE	NEW RIM & COVER	COMPLETE	9.12.15
DAVIS BROOK		DB240A	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB241	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB720	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB243	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB552	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB553	MANHOLE	NEW RIM & COVER	COMPLETE	10.4.15
DAVIS BROOK		DB303	DOGHOUSE	NEW RIM & COVER	COMPLETE	10.5.15
DAVIS BROOK		DB360	DB303-DB360	225' OF 8" LINE	COMPLETE	10.8.15
DOW		DW001	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
DOW		DW350	MANHOLE	RESET RIM, COVER	COMPLETE	9.25.15
DOW		DW200	MANHOLE	INVERT WORK	COMPLETE	11.9.15
EVERETT		ES203	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
						9.9.15
FRANKLIN		FK002	MANHOLE	RESET RIM, COVER RESET RIM, COVER	COMPLETE	
FRANKLIN		FK003	MANHOLE	,	COMPLETE	9.9.15
FRANKLIN		FK004	MANHOLE	RESET RIM , COVER	COMPLETE	9.9.15
HANCOCK		HK110	MANHOLE	NEW RIM & COVER	COMPLETE	10.12.15
HILDRETH-PERRY	<u> </u>	HP453 HP454	MANHOLE MANHOLE	NEW RIM & COVER NEW RIM & COVER	COMPLETE	8.15.15 8.15.15

	Pipe Segment Manhole Ibsection ID ID Location Description of Repair or Defect		Location	Description of Pancia or Defeat	Priority Ranked 1-5,	Date Repaired or Future Implementation
	טו			·	5 highest	Schedule
HILDRETH-PERRY		HP455	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP456	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP457	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP458	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP459	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP023	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP024	MANHOLE	NEW RIM & COVER	COMPLETE	8.15.15
HILDRETH-PERRY		HP081	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP080	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP027	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP028	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP029	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP030	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP032	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP201	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP035	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
HILDRETH-PERRY		HP553	MANHOLE	RESET RIM, COVER	COMPLETE	8.6.15
HILDRETH-PERRY		HP554	MANHOLE	RESET RIM, COVER	COMPLETE	8.6.15
HILDRETH-PERRY		HP461	MANHOLE	RESET RIM, COVER	COMPLETE	10.28.15
HILDRETH-PERRY		HP464	MANHOLE	RESET RIM, COVER	COMPLETE	10.28.15
HILDRETH-PERRY		HP406	MANHOLE	NEW RIM & COVER	COMPLETE	11.16.15
HILDRETH-PERRY		HP605	MANHOLE	NEW RIM & COVER	COMPLETE	8.27.15
HILDRETH-PERRY		HP606	MANHOLE	NEW RIM & COVER	COMPLETE	8.27.15
HILDRETH-PERRY		HP607	MANHOLE	NEW RIM & COVER	COMPLETE	8.28.15
HILDRETH-PERRY		HP608	MANHOLE	NEW RIM & COVER	COMPLETE	8.28.15
KENDUSKEAG EAST	KE261A		ALL	270', 15" LINE	COMPLETE	11.17.15
KENDUSKEAG EAST	KE262		ALL	140', 15" LINE	COMPLETE	11.17.15
KENDUSKEAG EAST	KE263		ALL	50', 15" LINE	COMPLETE	11.17.15
KENDUSKEAG EAST		KE204	MANHOLE	RESET RIM, COVER	COMPLETE	7.27.15
KENDUSKEAG EAST		KE260	MANHOLE	INVERT WORK	COMPLETE	9.10.15
KENDUSKEAG EAST		KE008	MANHOLE	INVERT WORK	COMPLETE	11.15.15
KENDUSKEAG WEST		KW200	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW201	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW220	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW202	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW203	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW160	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW102	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW103	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
KENDUSKEAG WEST		KW304	DOGHOUSE	NEW RIM & COVER	COMPLETE	10.9.15
MEADOWBROOK		MB416	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB403	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB402	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB401	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB400	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB013	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15

Subsection	Pipe Segment ID	Manhole ID	Location	Description of Repair or Defect	Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule
MEADOWBROOK		MB300	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB301	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB302	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB303	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB304	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB305	MANHOLE	NEW RIM & COVER	COMPLETE	
MEADOWBROOK		MB306	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15 9.15.15
MEADOWBROOK		MB307	MANHOLE		COMPLETE	9.15.15
				NEW RIM & COVER		
MEADOWBROOK		MB308	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB309	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
MEADOWBROOK		MB982	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
MEADOWBROOK		MB981	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
MEADOWBROOK		MB980	MANHOLE	NEW RIM & COVER	COMPLETE	10.15.15
MEADOWBROOK		MB982	MANHOLE	INVERT WORK	COMPLETE	7.20.15
MEADOWBROOK		MB921	MANHOLE	INVERT WORK	COMPLETE	8.6.15
MEADOWBROOK		MB009	MANHOLE	BRICK WORK	COMPLETE	8.14.15
MEADOWBROOK		MB206	MANHOLE	INVERT WORK	COMPLETE	9.10.15
MEADOWBROOK		MB758	MANHOLE	INVERT WORK	COMPLETE	11.9.15
MEADOWBROOK		MB316	MANHOLE	NEW RIM & COVER	COMPLETE	11.17.15
MEADOWBROOK		MB960	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
MEADOWBROOK		MB910	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
MEADOWBROOK		MB911	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
MEADOWBROOK		MB912	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
MEADOWBROOK		MB913	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
MEADOWBROOK		MB914	MANHOLE	NEW RIM & COVER	COMPLETE	10.11.15
PENJAJAWOC		PJ503	MANHOLE	RESET RIM	COMPLETE	7.1.15
PENJAJAWOC		PJ301	MANHOLE	RESET RIM & COVER	COMPLETE	8.14.15
PENJAJAWOC		PJ500	MANHOLE	INVERT WORK	COMPLETE	12.8.15
WOODLAWN		WL021	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
WOODLAWN		WL022	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
WOODLAWN		WL023	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
WOODLAWN		WL024	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
WOODLAWN		WL025	MANHOLE	NEW RIM & COVER	COMPLETE	9.15.15
WOODLAWN		WL104	MANHOLE	NEW RIM & COVER	COMPLETE	10.13.15
WOODLAWN		WL105	MANHOLE	NEW RIM & COVER	COMPLETE	10.13.15
WOODLAWN		WL120	MANHOLE	NEW RIM & COVER	COMPLETE	10.13.15
AIRPORT	AP421		VARIOUS	REPLACE 370' OF PIPE	5	2ND OR 3RD QUARTER OF 2016
AIRPORT	AP707		10' UPSTREAM OF MH AP706	REPAIR BREAK	5	2ND OR 3RD QUARTER OF 2016
AIRPORT	AP721		5' DOWNSTREAM OF MH AP721	REPLACE 5' OF MAINLINE	5	2ND OR 3RD QUARTER OF 2016
ARCTIC BROOK	AB057		150' UPSTREAM OF MH AB056	REPAIR COLLAPSE	5	2ND OR 3RD QUARTER OF 2016

	Pipe Segment	ent Manhole			Priority Ranked 1-5,	Date Repaired or Future Implementation
Subsection	ID	ID	Location	Description of Repair or Defect	5 highest	Schedule
DOW	DW450		140' UPSTREAM OF MH DW017	REPLACE 75' OF MAINLINE	5	2ND OR 3RD QUARTER OF 2016
DOW	DW612A		106' UPSTREAM OF MH DW612	REPLACE 100' OF MAINLINE	5	2ND OR 3RD QUARTER OF 2016
DOW	DW650		VARIOUS	REPAIR HOLE, CAP CONNECTIONS TO DEMO'D BUILDINGS	5	3RD OR 4TH QUARTER OF 2016
DOW	DW660		FIRST 30' OF PIPE	FIRST 30' OF PIPE REPLACE PIPE, CAP ABANDONED TAP		3RD OR 4TH QUARTER OF 2016
KENDUSKEAG EAST	KE261		ALL	REPLACE LINE, NEW MH	5	3RD QUARTER OF 2016
			, , , ,	REHAB OR REPLACE LINE - BAD		2010
AIRPORT	AP203		VARIOUS	JOINTS, INFILTRATION	4	TBD
AIRPORT	AP205		VARIOUS	REHAB OR REPLACE LINE, CAP VARIOUS CONNECTION IF NOT ACTIVE REHAB OR REPLACE - SEVERAL		TBD
AIRPORT	AP370		VARIOUS	DEFECTS, INFILTRATION	4	TBD
				REHAB OR REPLACE - SEVERAL		
AIRPORT	AP372		VARIOUS	DEFECTS, INFILTRATION	4	TBD
AIRPORT	AP406		46' DOWNSTREAM OF MH AP406	REPAIR BREAK	4	TBD
AIRPORT	AP409		150' DOWNSTREAM OF MH AP409	REPAIR BREAK AT TAP	4	TBD
ARCTIC BROOK	AB490		91' DOWNSTREAM OF MH AB490	REPAIR BREAK	4	TBD
ARCTIC BROOK	AB551		VARIOUS	REPLACE LINE - BREAK, ROOTS, INFILTRATION	4	TBD
ARCTIC BROOK	AB017		11' UPSTREAM OF MH AB016	REPAIR HOLE	4	TBD
ARCTIC BROOK	AB137		88' UPSTREAM OF MH AB136	REPAIR BREAK AND PROTRUDING  TAP	4	TBD
ARCTIC BROOK	AB142		13' DOWNSTREAM OF MH AB142	REPAIR BREAK AND PROTRUDING TAP	4	TBD
ARCTIC BROOK	AB402		80' UPSTREAM OF MH AB401	DEFORMATION AND SLOPE - REPLACE LINE	4	TBD
				REPLACE LINE - SEVERAL HOLES &	4	TBD
ARCTIC BROOK	AB621		VARIOUS	SAGS	4	TBD
ARCTIC BROOK	AB621		VARIOUS	SAGS - PREVENT FULL CCTV INSP.	4	TBD
BARKERSVILLE	BV017		ALL	REPLACE PIPE (DEFECTS IN BRICK)	4	TBD
BARKERSVILLE	BV019		ALL	REPLACE PIPE (DEFECTS IN BRICK)	4	TBD
BARKERSVILLE	BV820		VARIOUS	SMALL HOLE, CRACKS	4	TBD
CARR BROOK	CB851		69' UPSTREAM OF MH CB850	HINGE CRACKS	4	TBD
DAVIS BROOK	DB305		VARIOUS	SMALL HOLES, VOIDS VISIBLE	4	TBD
DAVIS BROOK	DB305A		184' UPSTREAM OF MH DB305A	REPAIR HOLE	4	TBD
DAVIS BROOK	DB702A		VARIOUS	REPLACE PIPE (DEFECTS IN BRICK)	4	TBD
DAVIS BROOK	DB900		VARIOUS	CRACKS, ONE SAG	4	TBD
DOW	DW450		VARIOUS	CAP CONNECTIONS TO DEMO'D BUILDINGS	4	TBD

Pipe Segment M Subsection ID		Manhole ID	Location	Description of Repair or Defect	Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule
DOW	DW611		144' AND 226' UPSTREAM OF MH DW611	CAP CONNECTIONS IF NOT ACTIVE	4	TBD
KENDUSKEAG EAST	KE251		VARIOUS	OFFSET JOINT, DROP SEGMENT, VOID	4	TBD
KENDUSKEAG EAST	KE260		VARIOUS, HOLE 235' IN	REHAB OR REPLACE	4	TBD
KENDUSKEAG EAST	KE250		VARIOUS	CRACKS, SAG, BROKEN AT MANHOLE	4	TBD
KENDUSKEAG WEST	KW101		VARIOUS	REPLACE PIPE (DEFECTS IN BRICK)	4	TBD
KENDUSKEAG WEST	KW160		VARIOUS SEVERAL CRACKS		4	TBD
MEADOWBROOK	MB550		VARIOUS	SEVERAL REPAIR PATCHES, CRACKS, ETC.	4	TBD
MEADOWBROOK	MB915		VARIOUS	ARIOUS REPLACE MAINLINE		TBD
WOODLAWN	WL024		VARIOUS	SAGS	4	TBD
AIRPORT	AP415		104' DOWNSTREAM OF MH AP415	OWNSTREAM OF MH AP415 REPAIR BREAK		TBD
ARCTIC BROOK	AB124		9' FROM MH AB123	REPAIR BREAK AT TAP	3	TBD
ARCTIC BROOK	AB161		5' UPSTREAM OF MH AB160 REPAIR BREAK		3	TBD
ARCTIC BROOK	AB501		VARIOUS	REPAIR LINE - SAG	3	TBD
ARCTIC BROOK	AB508		VARIOUS	CRACKS, SEPARATED JOINT	3	TBD
ARCTIC BROOK	AB560		VARIOUS	REPLACE OR REHAB LINE - INFILTRATION	3	TBD
ARCTIC BROOK	AB620		VARIOUS	MULTIPLE CRACKS, DEBRIS IN LINE	3	TBD
ARCTIC BROOK	AB624		VARIOUS	REPLACE OR REHAB LINE - CRACKS, INFILTRATION	3	TBD
ARCTIC BROOK	AB655		VARIOUS	REPLACE OR REHAB LINE - CRACKS, DEBRIS	3	TBD
BARKERSVILLE	BV020		ALL	REPLACE PIPE (DEFECTS IN BRICK)	3	TBD
BARKERSVILLE	BV425		VARIOUS	REPLACE OR REHAB LINE - INFILTRATION	3	TBD
BARKERSVILLE	BV435		238' DOWNSTREAM OF MH BV435	RAISE BURIED MANHOLE	3	TBD
BARKERSVILLE	BV466		VARIOUS	LONG HINGE CRACKS, DEFORMATION	3	TBD
CARR BROOK	CB506		VARIOUS	REPLACE OR REHAB LINE - CRACKS	3	TBD
DAVIS BROOK	DB804		VARIOUS	REPLACE OR REHAB - SEVERAL CRACKS	3	TBD
DOW	DW100		12' UPSTREAM OF MH DW006	UPSIZE LINE FROM 6" DIAMETER TO 8'	3	TBD
DOW	DW614		VARIOUS	EVALUATE FOR REROUTE OR REPLACE	3	TBD
KENDUSKEAG WEST	KW202		VARIOUS	REPLACE PIPE (DEFECTS IN BRICK)	3	TBD
MEADOWBROOK	MB366		VARIOUS	SEVERAL CRACKS	3	TBD
MEADOWBROOK	MB367		VARIOUS	SEVERAL CRACKS, SMALL HOLE	3	TBD
MEADOWBROOK	MB416		VARIOUS	REPLACE PIPE (DEFECTS IN BRICK)	3	TBD
WOODLAWN	WL025		JUST UPSTREAM OF MH WL024	REPAIR BREAK	3	TBD
WOODLAWN	WL600		VARIOUS	REPAIR OR REHAB - SEVERAL CRACKS	3	TBD
	AB161		86' UPSTREAM OF MH AB160	REPAIR PROTRUDING TAP	3	TBD

City of Bangor, Maine Calendar Year 2015

Subsection	Pipe Segment ID	Manhole ID	Location	Description of Repair or Defect	Priority Ranked 1-5, 5 highest	Date Repaired or Future Implementation Schedule
	AB436		DEAD END OF LINE	INSTALL MANHOLE AT END OF LINE	3	TBD
ARCTIC BROOK	AB160		ALL	SURFACE DAMAGE - REPLACE PIPE	2	TBD
ARCTIC BROOK	AB436		42' UPSTREAM OF MH AB435	REPAIR HOLE	2	TBD
ARCTIC BROOK	AB503		VARIOUS	RPLACE LINE - INFILTRATION	2	TBD
MEADOWBROOK	MB263		VARIOUS	LONG CRACKS, SMALL HOLE	2	TBD
MEADOWBROOK	MB509		135' DOWNSTREAM OF MH MB509	SPOT REPAIR AT JOINT - INFILTRATION	2	TBD
MEADOWBROOK	MB551		214' FROM MH MB550	REPAIR CONNECTION AT TAP	2	TBD

#### General Notes:

- Small repairs are scheduled and prioritized with respect to each other and other work as schedules and resources allow. Furthermore, if it becomes apparent that several repairs are needed in the same area, they may be combined to form a larger CIP during which pipes are completely replaced or rehabilitated rather than repaired.

					Approx.	Repeat	Justification for
Date of		Pipe Segment	Length of Pipe		Length	Cleaning	Repeat Cleaning
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
2/19/2015	AIRPORT	AP421	200	2	400	NO NO	N/A
3/2/2015	AIRPORT	AP263	35	1	35	NO	N/A
3/2/2015	AIRPORT	AP280	350	1	350	NO	N/A
3/2/2015	AIRPORT	AP380	125	1	125	NO	N/A
3/11/2015	AIRPORT	AP417	100	1	100	NO	N/A
3/11/2015	AIRPORT	AP418	350	1	350	NO	N/A
3/12/2015	AIRPORT	AP415A	150	1	150	NO	N/A
3/26/2015	AIRPORT	AP329	300	2	600	NO	N/A
4/2/2015	AIRPORT	AP709	350	1	350	NO	N/A
4/3/2015	AIRPORT	AP417	100	1	100	YES	D
4/3/2015	AIRPORT	AP418	350	1	350	YES	D
4/9/2015	AIRPORT	AP415A	175	2	350	YES	D
4/10/2015	AIRPORT	AP353	275	1	275	NO	N/A
4/10/2015	AIRPORT	AP355	350	1	350	NO	N/A
4/16/2015	AIRPORT	AP330	50	2	100	NO	N/A
4/16/2015	AIRPORT	AP522	225	1	225	NO	N/A
4/23/2015	AIRPORT	AP412	175	1	175	NO	N/A
4/23/2015	AIRPORT	AP413	175	1	175	NO	N/A
4/27/2015	AIRPORT	AP515	525	2	1050	NO	N/A
4/27/2015	AIRPORT	AP516	600	2	1200	NO	N/A
4/28/2015	AIRPORT	AP051	325	2	650	NO	N/A
5/1/2015	AIRPORT	AP740	150	1	150	NO	N/A
5/1/2015	AIRPORT	AP740A	130	10	1300	NO	N/A
5/1/2015	AIRPORT	AP740A	150	1	150	YES	E
5/4/2015	AIRPORT	AP508	250	4	1000	NO	N/A
5/4/2015	AIRPORT	AP530	275	3	825	NO	N/A
5/4/2015	AIRPORT	AP531	225	1	225	NO	N/A
5/4/2015	AIRPORT	AP541	125	1	125	NO	N/A
5/4/2015	AIRPORT	AP541A	175	1	175	NO	N/A
5/4/2015	AIRPORT	AP542	250	1	250	NO	N/A
5/13/2015	AIRPORT	AP415A	175	2	350	YES	D
6/3/2015	AIRPORT	AP660	175	1	175	NO	N/A
6/6/2015	AIRPORT	AP660	175	4	700	YES	E
6/19/2015	AIRPORT	AP417	100	1	100	YES	D
6/19/2015	AIRPORT	AP417 AP418	350	1	350	YES	D
7/6/2015	AIRPORT	AP418 AP450	275	2	550	NO	N/A
7/6/2015	AIRPORT	AP450 AP050	200	1	200	NO	N/A
7/8/2015	AIRPORT	AP050 AP051	300	1	300	YES	D D
	AIRPORT	AP403	180	1	180	NO	N/A
7/15/2015	AIRPORT	AP403 AP420	250	2	500	NO	N/A
7/17/2015	AIRPORT	AP420 AP419	325	2	650	NO	N/A N/A
7/20/2015	AIRPORT	AP419 AP329	50	1	50	YES	D D
7/23/2015	AIRPORT	AP329 AP415A	175	1	175	YES	D
7/23/2015	AIRPORT	AP415A AP417	100	1	100	YES	D
7/23/2015	AIRPORT	AP417 AP418	350	1	350	YES	D
7/23/2015	AINFONT	AP418	330	1	330	IES	U

Date of Cleaning   Subsection   Pipe Segment   Length of Pipe Segment   H Passes   Cleand (FT)   Cleaning (this CY)	ation for Cleaning on Code)* D D D I/A I/A D D D D D D D D D D D D D D D D D D D
Cleaning         Subsection         ID         Segment         # Passes         Cleaned (FT)         (this CY)         (by Reasing April 2015)           8/21/2015         AIRPORT         AP415A         175         3         525         YES           8/24/2015         AIRPORT         AP417         100         3         300         YES           8/24/2015         AIRPORT         AP418         350         2         700         YES           8/24/2015         AIRPORT         AP418         350         2         700         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         600         YES           11/5/2015         AIRPORT         AP355         600         1         600         YES           12/11/2015         AIRPORT         AP330         275         1         275	D D D J/A J/A D D D D D D D D D D D D D D D D D D D
8/21/2015         AIRPORT         AP415A         175         3         525         YES           8/24/2015         AIRPORT         AP417         100         3         300         YES           8/24/2015         AIRPORT         AP418         350         2         700         YES           8/24/2015         AIRPORT         AP418         350         2         700         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         300         YES           9/23/2015         AIRPORT         AP355         600         1         600         YES           11/5/2015         AIRPORT         AP355         150         1         150         YES           11/2/12/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015<	D D J/A J/A J/A D D
8/24/2015         AIRPORT         AP417         100         3         300         YES           8/24/2015         AIRPORT         AP418         350         2         700         YES           8/24/2015         AIRPORT         AP614         225         1         225         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         300         YES           9/23/2015         AIRPORT         AP355         600         1         600         YES           11/5/2015         AIRPORT         AP355         600         1         600         YES           11/5/2015         AIRPORT         AP415A         150         1         150         YES           11/21/2015         AIRPORT         AP330         275         1         275         YES           11/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AI	D I/A I/A I/A D D
8/24/2015         AIRPORT         AP418         350         2         700         YES           8/24/2015         AIRPORT         AP614         225         1         225         NO         N           8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         300         YES         9/23/2015         AIRPORT         AP355         600         1         600         YES         1         11/5/2015         AIRPORT         AP355         600         1         600         YES         1         11/5/2015         AIRPORT         AP355         600         1         150         YES         1         11/5/2015         AIRPORT         AP352         1         150         YES         1         12/11/2015         AIRPORT         AP330         275         1         275         YES         1         1/31/2015         AIRPORT         AP330         275         1         275         YES         1         1/6/2015         ARCTIC BROOK         AB552	I/A I/A I/A D D
S/24/2015   AIRPORT   AP614   225   1   225   NO   NO	I/A I/A D D
8/27/2015         AIRPORT         AP281         350         2         700         NO         N           8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         300         YES           9/23/2015         AIRPORT         AP355         600         1         600         YES           11/5/2015         AIRPORT         AP355         600         1         150         YES           12/11/2015         AIRPORT         AP3521         175         3         525         NO         N           12/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           2/18/2015         ARCTIC BROOK         AB562         125         1         75         YES	I/A I/A D D
8/27/2015         AIRPORT         AP282         350         2         700         NO         N           9/23/2015         AIRPORT         AP353         300         1         300         YES           9/23/2015         AIRPORT         AP355         600         1         600         YES           11/5/2015         AIRPORT         AP415A         150         1         150         YES           12/11/2015         AIRPORT         AP21         175         3         525         NO         N           12/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES	D D
9/23/2015 AIRPORT AP353 300 1 300 YES 9/23/2015 AIRPORT AP355 600 1 600 YES 11/5/2015 AIRPORT AP415A 150 1 150 YES 12/11/2015 AIRPORT AP415A 150 1 150 YES 12/11/2015 AIRPORT AP330 275 1 275 YES 12/31/2015 AIRPORT AP330 250 2 500 YES 11/16/2015 ARCTIC BROOK AB552 75 1 75 NO NO 1/16/2015 ARCTIC BROOK AB562 125 1 125 NO NO 2/18/2015 ARCTIC BROOK AB552 75 1 75 YES 2/18/2015 ARCTIC BROOK AB562 125 1 125 YES 3/16/2015 ARCTIC BROOK AB562 125 1 125 YES 3/20/2015 ARCTIC BROOK AB562 125 1 125 YES 4/10/2015 ARCTIC BROOK AB562 125 1 125 YES 5/1/2015 ARCTIC BROOK AB562 125 1 325 NO NO 5/1/2015 ARCTIC BROOK AB562 125 1 325 NO NO 5/1/2015 ARCTIC BROOK AB562 125 1 125 YES 5/1/2015 ARCTIC BROOK AB562 125 1 125 YES 5/1/2015 ARCTIC BROOK AB562 125 1 325 NO NO 5/1/2015 ARCTIC BROOK AB562 125 1 325 YES 5/1/2015 ARCTIC BROOK AB562 125 1 125 YES 5/1/2015 ARCTIC BROOK AB562 125 1 325 NO NO 6/11/2015 ARCTIC BROOK AB552 75 1 75 YES	D D D
9/23/2015 AIRPORT AP355 600 1 600 YES  11/5/2015 AIRPORT AP415A 150 1 150 YES  12/11/2015 AIRPORT AP521 175 3 525 NO N  12/21/2015 AIRPORT AP330 275 1 275 YES  12/31/2015 AIRPORT AP330 250 2 500 YES  1/16/2015 ARCTIC BROOK AB552 75 1 75 NO N  1/16/2015 ARCTIC BROOK AB562 125 1 125 NO NO N  2/18/2015 ARCTIC BROOK AB552 75 1 75 YES  2/18/2015 ARCTIC BROOK AB552 75 1 75 YES  2/18/2015 ARCTIC BROOK AB552 75 1 75 YES  3/16/2015 ARCTIC BROOK AB552 75 1 75 YES  3/20/2015 ARCTIC BROOK AB552 75 1 75 YES  4/9/2015 ARCTIC BROOK AB552 75 1 75 YES  4/10/2015 ARCTIC BROOK AB552 75 1 75 YES  5/1/2015 ARCTIC BROOK AB552 75 1 75 YES	D D
11/5/2015         AIRPORT         AP415A         150         1         150         YES           12/11/2015         AIRPORT         AP521         175         3         525         NO         N           12/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           1/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         75         YES	
12/11/2015         AIRPORT         AP521         175         3         525         NO         N           12/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           1/16/2015         ARCTIC BROOK         AB141         300         1         300         NO         N           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         75         YES	/^
12/21/2015         AIRPORT         AP330         275         1         275         YES           12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES <td< td=""><td>/A</td></td<>	/A
12/31/2015         AIRPORT         AP330         250         2         500         YES           1/16/2015         ARCTIC BROOK         AB552         75         1         75         NO         N           1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           2/18/2015         ARCTIC BROOK         AB141         300         1         300         NO         N           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/10/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>,</u> D
1/16/2015       ARCTIC BROOK       AB552       75       1       75       NO       N         1/16/2015       ARCTIC BROOK       AB562       125       1       125       NO       N         2/18/2015       ARCTIC BROOK       AB141       300       1       300       NO       N         2/18/2015       ARCTIC BROOK       AB552       75       1       75       YES         2/18/2015       ARCTIC BROOK       AB562       125       1       125       YES         3/16/2015       ARCTIC BROOK       AB552       75       1       75       YES         3/16/2015       ARCTIC BROOK       AB562       125       1       125       YES         3/20/2015       ARCTIC BROOK       AB552       75       1       75       YES         3/20/2015       ARCTIC BROOK       AB562       125       1       125       YES         4/9/2015       ARCTIC BROOK       AB552       75       1       75       YES         4/10/2015       ARCTIC BROOK       AB562       125       1       75       YES         4/10/2015       ARCTIC BROOK       AB552       75       1       75       YES </td <td>D</td>	D
1/16/2015         ARCTIC BROOK         AB562         125         1         125         NO         N           2/18/2015         ARCTIC BROOK         AB141         300         1         300         NO         N           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB562         125         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/20	I/A
2/18/2015         ARCTIC BROOK         AB141         300         1         300         NO         NO           2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB562         125         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/28/2	I/A
2/18/2015         ARCTIC BROOK         AB552         75         1         75         YES           2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/28/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015 <td< td=""><td>I/A</td></td<>	I/A
2/18/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015 <t< td=""><td>D</td></t<>	D
3/16/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/16/2015         ARCTIC BROOK         AB562         125         1         125         YES           3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>D</u>
3/16/2015       ARCTIC BROOK       AB562       125       1       125       YES         3/20/2015       ARCTIC BROOK       AB552       75       1       75       YES         3/20/2015       ARCTIC BROOK       AB562       125       1       125       YES         4/9/2015       ARCTIC BROOK       AB552       75       1       75       YES         4/10/2015       ARCTIC BROOK       AB562       125       2       250       YES         4/10/2015       ARCTIC BROOK       AB752       325       1       325       NO       N         5/1/2015       ARCTIC BROOK       AB552       75       1       75       YES         5/1/2015       ARCTIC BROOK       AB562       125       1       125       YES         5/28/2015       ARCTIC BROOK       AB132       350       1       350       NO       N         6/11/2015       ARCTIC BROOK       AB552       75       1       75       YES	<u>D</u>
3/20/2015         ARCTIC BROOK         AB552         75         1         75         YES           3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>D</u>
3/20/2015         ARCTIC BROOK         AB562         125         1         125         YES           4/9/2015         ARCTIC BROOK         AB552         75         1         75         YES           4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>D</u>
4/9/2015       ARCTIC BROOK       AB552       75       1       75       YES         4/10/2015       ARCTIC BROOK       AB562       125       2       250       YES         4/10/2015       ARCTIC BROOK       AB752       325       1       325       NO       N         5/1/2015       ARCTIC BROOK       AB552       75       1       75       YES         5/1/2015       ARCTIC BROOK       AB562       125       1       125       YES         5/28/2015       ARCTIC BROOK       AB132       350       1       350       NO       N         6/11/2015       ARCTIC BROOK       AB552       75       1       75       YES	<u>D</u>
4/10/2015         ARCTIC BROOK         AB562         125         2         250         YES           4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>-</u> D
4/10/2015         ARCTIC BROOK         AB752         325         1         325         NO         N           5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	<u>-</u> D
5/1/2015         ARCTIC BROOK         AB552         75         1         75         YES           5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	//A
5/1/2015         ARCTIC BROOK         AB562         125         1         125         YES           5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	D
5/28/2015         ARCTIC BROOK         AB132         350         1         350         NO         N           6/11/2015         ARCTIC BROOK         AB552         75         1         75         YES	D
6/11/2015 ARCTIC BROOK AB552 75 1 75 YES	I/A
	<u>,</u> D
6/11/2015 ARCTIC BROOK AB562 125 1 125 YES	D
47 = 47 = 50 = 5	I/A
	/ I/A
	I/A
	<u>,</u> D
9,50,100	D
	D
17-17-0-0	<u>D</u>
	D
17-07-0-0-0	D D
	D
	D I/A I/A
	D I/A I/A I/A
	D I/A I/A
8/12/2015 ARCTIC BROOK AB552 75 1 75 YES	D I/A I/A I/A

					Approx.	Repeat	Justification for
Date of		Pipe Segment	Length of Pipe		Length	Cleaning	Repeat Cleaning
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
8/12/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
8/21/2015	ARCTIC BROOK	AB552	75	1	75	YES	D
8/21/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
8/21/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
8/25/2015	ARCTIC BROOK	AB351	275	2	550	NO	N/A
8/25/2015	ARCTIC BROOK	AB353	360	1	360	NO	N/A
8/25/2015	ARCTIC BROOK	AB360	350	2	700	NO	N/A
8/27/2015	ARCTIC BROOK	AB053	50	1	50	NO	N/A
8/27/2015	ARCTIC BROOK	AB054	225	1	225	NO	N/A
8/27/2015	ARCTIC BROOK	AB060	50	1	50	NO	N/A
8/27/2015	ARCTIC BROOK	AB061	275	1	275	NO	N/A
8/27/2015	ARCTIC BROOK	AB062	175	1	175	NO	N/A
8/27/2015	ARCTIC BROOK	AB063	70	1	70	NO	N/A
8/27/2015	ARCTIC BROOK	AB064	75	1	75	NO	N/A
8/27/2015	ARCTIC BROOK	AB065	200	1	200	NO	N/A
8/27/2015	ARCTIC BROOK	AB303	275	1	275	NO	N/A
8/27/2015	ARCTIC BROOK	AB457	100	1	100	NO	N/A
8/27/2015	ARCTIC BROOK	AB562	125	2	250	YES	D
8/27/2015	ARCTIC BROOK	AB562	125	2	250	YES	D
8/28/2015	ARCTIC BROOK	AB101	150	1	150	NO	N/A
8/28/2015	ARCTIC BROOK	AB103	35	1	35	NO	N/A
8/28/2015	ARCTIC BROOK	AB104	200	1	200	NO	N/A
8/28/2015	ARCTIC BROOK	AB105	20	1	20	NO	N/A
8/28/2015	ARCTIC BROOK	AB106	325	1	325	NO	N/A
8/28/2015	ARCTIC BROOK	AB120	300	1	300	NO	N/A
8/28/2015	ARCTIC BROOK	AB121	300	1	300	NO	N/A
8/28/2015	ARCTIC BROOK	AB122	150	1	150	NO	N/A
8/28/2015	ARCTIC BROOK	AB123	75	1	75	NO	N/A
8/28/2015	ARCTIC BROOK	AB124	250	1	250	NO	N/A
8/28/2015	ARCTIC BROOK	AB241	130	1	130	NO	N/A
8/28/2015	ARCTIC BROOK	AB250	60	1	60	NO	N/A
8/28/2015	ARCTIC BROOK	AB251	125	1	125	NO	N/A
9/3/2015	ARCTIC BROOK	AB203	40	1	40	NO	N/A
9/3/2015	ARCTIC BROOK	AB204	275	1	275	NO	N/A
9/3/2015	ARCTIC BROOK	AB205	75	1	75	NO	N/A
9/3/2015	ARCTIC BROOK	AB206	300	1	300	NO	N/A
9/3/2015	ARCTIC BROOK	AB207	250	1	250	NO	N/A
9/3/2015	ARCTIC BROOK	AB208	100	1	100	NO	N/A
9/3/2015	ARCTIC BROOK	AB209	300	1	300	NO	N/A
9/3/2015	ARCTIC BROOK	AB260	25	1	25	NO	N/A
9/3/2015	ARCTIC BROOK	AB261	150	1	150	NO	N/A
9/4/2015	ARCTIC BROOK	AB109	250	1	250	NO	N/A
9/4/2015	ARCTIC BROOK	AB140	325	1	325	NO	N/A
9/4/2015	ARCTIC BROOK	AB551	400	1	400	NO	N/A
9/8/2015	ARCTIC BROOK	AB132	325	1	325	YES	D

Date of		Pipe Segment	Length of Pipe		Approx. Length	Repeat Cleaning	Justification for Repeat Cleaning
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
9/8/2015	ARCTIC BROOK	AB137	125	1	125	NO	N/A
9/8/2015	ARCTIC BROOK	AB507	375	1	375	NO	N/A
9/8/2015	ARCTIC BROOK	AB801	225	1	225	NO	N/A
9/8/2015	ARCTIC BROOK	AB802	175	1	175	NO	N/A
9/8/2015	ARCTIC BROOK	AB803	175	1	175	NO	N/A
9/8/2015	ARCTIC BROOK	AB821	300	1	300	NO	N/A
9/8/2015	ARCTIC BROOK	AB822	400	1	400	NO	N/A
9/26/2015	ARCTIC BROOK	AB350	225	5	1125	NO	N/A
10/23/2015	ARCTIC BROOK	AB552	75	1	75	YES	D
10/26/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
11/6/2015	ARCTIC BROOK	AB552	75	1	75	YES	D
11/6/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
11/10/2015	ARCTIC BROOK	AB124	250	1	250	YES	F
12/10/2015	ARCTIC BROOK	AB623	400	7	2800	NO	N/A
12/10/2015	ARCTIC BROOK	AB624	250	1	250	NO	N/A
12/11/2015	ARCTIC BROOK	AB552	75	1	75	YES	D
12/11/2015	ARCTIC BROOK	AB622	350	7	2450	NO	N/A
12/14/2015	ARCTIC BROOK	AB562	125	1	125	YES	D
12/14/2015	ARCTIC BROOK	AB621	300	3	900	NO	N/A
12/14/2015	ARCTIC BROOK	AB630	150	3	450	NO	N/A
3/11/2015	BARKERSVILLE	BV056	175	1	175	NO	N/A
6/30/2015	BARKERSVILLE	BV532	150	1	150	NO	N/A
6/30/2015	BARKERSVILLE	BV535	275	1	275	NO	N/A
4/1/2015	BLANCHARD STREET	BS502	250	3	750	NO	N/A
3/2/2015	BURLEIGH	BU532	200	1	200	NO	N/A
3/2/2015	BURLEIGH	BU535	275	1	275	NO	N/A
3/20/2015	BURLEIGH	BU532	200	1	200	YES	D
3/20/2015	BURLEIGH	BU535	275	1	275	YES	D
3/24/2015	BURLEIGH	BU554	400	1	400	NO	N/A
3/25/2015	BURLEIGH	BU552	300	1	300	NO	N/A
3/25/2015	BURLEIGH	BU553	400	1	400	NO	N/A
3/26/2015	BURLEIGH	BU550	200	1	200	NO	N/A
3/26/2015	BURLEIGH	BU551	300	1	300	NO	N/A
3/26/2015	BURLEIGH	BU560	100	1	100	NO	N/A
3/26/2015	BURLEIGH	BU801	275	1	275	NO	N/A
3/26/2015	BURLEIGH	BU802	275	1	275	NO	N/A
3/26/2015	BURLEIGH	BU803	300	1	300	NO	N/A
5/1/2015	BURLEIGH	BU532	150	1	150	YES	D
5/1/2015	BURLEIGH	BU535	275	1	275	YES	D
5/18/2015	BURLEIGH	BU532	150	1	150	YES	D
5/18/2015	BURLEIGH	BU535	275	1	275	YES	D
7/28/2015	BURLEIGH	BU532	200	1	200	YES	D
7/28/2015	BURLEIGH	BU535	275	1	275	YES	D
8/27/2015	BURLEIGH	BU532	200	1	200	YES	D
8/27/2015	BURLEIGH	BU535	275	1	275	YES	D

					Approx.	Repeat	Justification for
Date of		Pipe Segment	Length of Pipe		Length	Cleaning	Repeat Cleaning
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
10/26/2015	BURLEIGH	BU532	175	1	175	YES	D
10/26/2015	BURLEIGH	BU535	275	1	275	YES	D
11/6/2015	BURLEIGH	BU532	200	1	200	YES	D
11/6/2015	BURLEIGH	BU535	275	1	275	YES	D
11/12/2015	BURLEIGH	BU532	150	1	150	YES	D
11/12/2015	BURLEIGH	BU535	275	1	275	YES	D
12/11/2015	BURLEIGH	BU532	200	1	200	YES	D
12/11/2015	BURLEIGH	BU535	275	1	275	YES	D
2/18/2015	CARR BROOK	CB126	375	1	375	NO	N/A
3/2/2015	CARR BROOK	CB126	375	1	375	YES	D
3/2/2015	CARR BROOK	CB406	300	1	300	NO	N/A
3/4/2015	CARR BROOK	CB133	305	1	305	NO	N/A
3/14/2015	CARR BROOK	CB145	150	2	300	NO	N/A
3/30/2015	CARR BROOK	CB110	325	1	325	NO	N/A
3/30/2015	CARR BROOK	CB111	425	2	850	NO	N/A
3/31/2015	CARR BROOK	CB110	325	4	1300	YES	D
4/8/2015	CARR BROOK	CB107	275	2	550	NO	N/A
4/8/2015	CARR BROOK	CB108	325	3	975	NO	N/A
4/8/2015	CARR BROOK	CB109	275	3	825	NO	N/A
4/23/2015	CARR BROOK	CB126	350	1	350	YES	D
4/28/2015	CARR BROOK	CB134	300	1	300	NO	N/A
4/28/2015	CARR BROOK	CB406	175	1	175	YES	D
4/28/2015	CARR BROOK	CB407	175	1	175	NO	N/A
5/20/2015	CARR BROOK	CB126	350	1	350	YES	D
6/11/2015	CARR BROOK	CB126	350	1	350	YES	D
6/11/2015	CARR BROOK	CB134		1	0	YES	E
7/14/2015	CARR BROOK	CB133	350	1	350	YES	E
7/14/2015	CARR BROOK	CB406	300	1	300	YES	D
7/29/2015	CARR BROOK	CB126	350	1	350	YES	D
8/10/2015	CARR BROOK	CB134	350	1	350	YES	E
8/26/2015	CARR BROOK	CB126	350	1	350	YES	D
9/8/2015	CARR BROOK	CB126	375	1	375	YES	D
9/8/2015	CARR BROOK	CB133	350	1	350	YES	Е
9/8/2015	CARR BROOK	CB406	300	1	300	YES	D
11/6/2015	CARR BROOK	CB134	350	1	350	YES	E
11/6/2015	CARR BROOK	CB406	350	1	350	YES	D
12/11/2015	CARR BROOK	CB850	200	1	200	NO	N/A
12/11/2015	CARR BROOK	CB851	225	1	225	NO	N/A
12/14/2015	CARR BROOK	CB125	375	1	375	NO	N/A
12/14/2015	CARR BROOK	CB133	350	1	350	YES	E
12/14/2015	CARR BROOK	CB405	300	1	300	NO	N/A
2/18/2015	DAVIS BROOK	DB520	125	1	125	NO	N/A
3/24/2015	DAVIS BROOK	DB564	150	1	150	NO	N/A
3/24/2015	DAVIS BROOK	DB565	75	1	75	NO	N/A
3/24/2015	DAVIS BROOK	DB566	175	2	350	NO	N/A

Date of		Pipe Segment	Length of Pipe		Approx. Length	Repeat Cleaning	Justification for Repeat Cleaning
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
4/3/2015	DAVIS BROOK	DB564	150	1	150	YES	D D
4/3/2015	DAVIS BROOK	DB565	75	1	75	YES	D
4/3/2015	DAVIS BROOK	DB566	175	1	175	YES	D
5/11/2015	DAVIS BROOK	DB520	100	1	100	YES	D
5/13/2015	DAVIS BROOK	DB530	150	3	450	NO	N/A
5/18/2015	DAVIS BROOK	DB380	145	4	580	NO	N/A
6/26/2015	DAVIS BROOK	DB564	75	1	75	YES	D
6/26/2015	DAVIS BROOK	DB565	125	1	125	YES	D
6/26/2015	DAVIS BROOK	DB566	175	1	175	YES	D
8/10/2015	DAVIS BROOK	DB564	75	1	75	YES	D
8/10/2015	DAVIS BROOK	DB565	125	1	125	YES	D
8/10/2015	DAVIS BROOK	DB566	175	1	175	YES	D
8/12/2015	DAVIS BROOK	DB564	75	1	75	YES	D
8/12/2015	DAVIS BROOK	DB565	175	1	175	YES	D
8/12/2015	DAVIS BROOK	DB566	150	1	150	YES	D
10/23/2015	DAVIS BROOK	DB850	60	1	60	NO	N/A
10/26/2015	DAVIS BROOK	DB564	75	1	75	YES	D
10/26/2015	DAVIS BROOK	DB565	125	1	125	YES	D
10/26/2015	DAVIS BROOK	DB566	175	1	175	YES	D
2/18/2015	DOW	DW265	110	2	220	NO	N/A
3/2/2015	DOW	DW614	150	1	150	YES	D
3/4/2015	DOW	DW450	200	4	800	NO	N/A
3/10/2015	DOW	DW450	200	4	800	YES	D
3/12/2015	DOW	DW450	235	2	470	YES	D
3/20/2015	DOW	DW604	120	4	480	NO	N/A
3/24/2015	DOW	DW265	110	2	220	YES	D
3/24/2015	DOW	DW450	235	6	1410	YES	D
3/25/2015	DOW	DW614	150	1	150	YES	D
3/27/2015	DOW	DW603	100	8	800	NO	N/A
4/9/2015	DOW	DW265	110	1	110	YES	D
4/15/2015	DOW	DW614	200	1	200	YES	D
4/21/2015	DOW	DW400	290	2	580	NO	N/A
4/21/2015	DOW	DW401	225	2	450	NO	N/A
4/21/2015	DOW	DW453	130	2	260	NO	N/A
4/28/2015	DOW	DW614	200	2	400	YES	D
5/11/2015	DOW	DW265	110	1	110	YES	D
6/12/2015	DOW	DW265	75	1	75	YES	D
6/12/2015	DOW	DW614	200	1	200	YES	D
6/30/2015	DOW	DW265	75	1	75	YES	D
7/8/2015	DOW	DW265	75	1	75	YES	D
7/23/2015	DOW	DW014	200	1	200	NO	N/A
7/23/2015	DOW	DW265	110	2	220	YES	D
8/7/2015	DOW	DW265	110	2	220	YES	D
8/24/2015	DOW	DW614	225	1	225	YES	D
8/27/2015	DOW	DW265	110	1	110	YES	D

					Approx.	Repeat	Justification for
Date of		Pipe Segment	Length of Pipe		Length	Cleaning	Repeat Cleaning
Cleaning Subsection		ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
9/8/2015	DOW	DW265	110	1	110	YES	D
9/23/2015	DOW	DW265	110	1	110	YES	D
9/23/2015	DOW	DW614	200	1	200	YES	D
11/5/2015	DOW	DW614	150	1	150	YES	D
11/12/2015	DOW	DW265	110	1	110	YES	D
12/31/2015	DOW	DW614	200	2	400	YES	D
3/25/2015	FOURTEENTH ST	FS151	300	2	600	NO	N/A
3/25/2015	HANCOCK	HK011	275	2	550	NO	N/A
3/25/2015	HANCOCK	HK040	50	1	50	NO	N/A
3/25/2015	HANCOCK	HK041	300	1	300	NO	N/A
8/12/2015	HANCOCK	HK011	250	1	250	YES	D
8/12/2015	HANCOCK	HK041	350	1	350	YES	D
11/5/2015	HANCOCK	HK011	275	1	275	YES	D
11/5/2015	HANCOCK	HK040	50	1	50	YES	D
11/5/2015	HANCOCK	HK041	300	1	300	YES	D
3/11/2015	HILDRETH-PERRY	HP466	325	1	325	NO	N/A
3/11/2015	HILDRETH-PERRY	HP485	400	1	400	NO	N/A
3/20/2015	HILDRETH-PERRY	HP473	300	1	300	NO	N/A
5/18/2015	0/ = 0/ = 0 = 0		325	1	325	YES	D
5/18/2015	HILDRETH-PERRY	HP485	425	1	425	YES	D
5/18/2015	HILDRETH-PERRY	HP486	150	1	150	NO	N/A
7/20/2015	HILDRETH-PERRY	HP466	325	1	325	YES	D
7/20/2015	HILDRETH-PERRY	HP485	425	1	425	YES	D
7/24/2015	HILDRETH-PERRY	HP406	500	2	1000	NO	N/A
8/21/2015	HILDRETH-PERRY	HP473	300	1	300	YES	D
9/3/2015	HILDRETH-PERRY	HP466	325	1	325	YES	D
9/3/2015	HILDRETH-PERRY	HP485	600	1	600	YES	D
2/18/2015	HUSSON	HS500	300	1	300	NO	N/A
4/16/2015	HUSSON	HS006A	160	1	160	NO	N/A
4/16/2015	HUSSON	HS006B	50	1	50	NO	N/A
4/16/2015	HUSSON	HS007	75	1	75	NO	N/A
4/16/2015	HUSSON	HS500	325	1	325	YES	D
5/18/2015	HUSSON	HS006A	160	1	160	YES	D
5/18/2015	HUSSON	HS006B	50	1	50	YES	D
5/18/2015	HUSSON	HS007	75	1	75	YES	D
5/18/2015	HUSSON	HS500	325	1	325	YES	D
6/11/2015	HUSSON	HS006A	160	1	160	YES	D
6/11/2015	HUSSON	HS006B	50	1	50	YES	D
6/11/2015	HUSSON	HS007	75	1	75	YES	D
6/11/2015	HUSSON	HS500	375	1	375	YES	D
7/1/2015	HUSSON	HS500	375	1	375	YES	D
7/20/2015	HUSSON	HS006A	160	1	160	YES	D
7/20/2015	HUSSON	HS006B	50	1	50	YES	D
7/20/2015	HUSSON	HS007	75	1	75	YES	D
7/20/2015	HUSSON	HS500	375	1	375	YES	D

					Approx.	Repeat	Justification for	
Date of		Pipe Segment	Length of Pipe		Length	Cleaning	Repeat Cleaning	
Cleaning	Subsection	ID	Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*	
8/21/2015	HUSSON	HS500	375	1	375	YES	D	
10/23/2015	HUSSON	HS500	375	1	375	YES	D	
5/11/2015	KENDUSKEAG EAST	KE251	175	1	175	NO	N/A	
6/22/2015	KENDUSKEAG EAST	KE701	375	1	375	NO	N/A	
11/10/2015	KENDUSKEAG WEST	KW103	350	3	1050	NO	N/A	
11/10/2015	KENDUSKEAG WEST	KW105	200	3	600	NO	N/A	
11/10/2015	KENDUSKEAG WEST	KW203	350	3	1050	NO	N/A	
11/13/2015	KENDUSKEAG WEST	KW201	600	2	1200	NO	N/A	
11/13/2015	KENDUSKEAG WEST	KW202	375	3	1125	NO	N/A	
11/13/2015	KENDUSKEAG WEST	KW240	325	2	650	NO	N/A	
3/2/2015	MEADOWBROOK	MB996	350	1	350	NO	N/A	
4/3/2015	MEADOWBROOK	MB416	275	5	1375	NO	N/A	
4/8/2015	MEADOWBROOK	MB851	275	1	275	NO	N/A	
4/13/2015	MEADOWBROOK	MB812	350	2	700	NO	N/A	
4/13/2015	MEADOWBROOK	MB813	350	2	700	NO	N/A	
4/15/2015	MEADOWBROOK	MB759	75	1	75	NO	N/A	
4/15/2015	MEADOWBROOK	MB809	400	1	400	NO	N/A	
4/15/2015	4/15/2015 MEADOWBROOK		75	1	75	NO	N/A	
4/22/2015	MEADOWBROOK	MB530	30	4	120	NO	N/A	
4/24/2015	MEADOWBROOK	MB530A	25	3	75	NO	N/A	
4/29/2015	MEADOWBROOK	MB407	160	1	160	NO	N/A	
5/1/2015	MEADOWBROOK	MB356	200	2	400	NO	N/A	
5/20/2015	MEADOWBROOK	MB904	245	2	490	NO	N/A	
5/20/2015	MEADOWBROOK	MB905	300	2	600	NO	N/A	
5/20/2015	MEADOWBROOK	MB906	350	2	700	NO	N/A	
6/14/2015	MEADOWBROOK	MB768	225	3	675	NO	N/A	
6/22/2015	MEADOWBROOK	MB986	275	1	275	NO	N/A	
6/22/2015	MEADOWBROOK	MB990	250	1	250	NO	N/A	
7/14/2015	MEADOWBROOK	MB966	375	1	375	NO	N/A	
7/15/2015	MEADOWBROOK	MB951	275	1	275	NO	N/A	
7/22/2015	MEADOWBROOK	MB551	175	2	350	NO	N/A	
7/22/2015	MEADOWBROOK	MB560	50	3	150	NO	N/A	
7/24/2015	MEADOWBROOK	MB553	175	3	525	NO	N/A	
7/28/2015	MEADOWBROOK	MB912	75	3	225	NO	N/A	
7/29/2015	MEADOWBROOK	MB956	375	1	375	NO	N/A	
7/29/2015	MEADOWBROOK	MB985	275	2	550	NO	N/A	
8/26/2015	MEADOWBROOK	MB951	375	3	1125	YES	D	
8/26/2015	MEADOWBROOK	MB952	225	1	225	NO	N/A	
9/8/2015	MEADOWBROOK	MB996	375	1	375	YES	D	
11/6/2015	MEADOWBROOK	MB986	275	1	275	YES	D	
12/1/2015	MEADOWBROOK	MB806	385	3	1155	NO	N/A	
12/1/2015	MEADOWBROOK	MB807	400	3	1200	NO	N/A	
12/1/2015	MEADOWBROOK	MB808	400	3	1200	NO	N/A	
12/1/2015	MEADOWBROOK	MB830	350	2	700	NO	N/A	
12/1/2015	MEADOWBROOK	MB831	225	2	450	NO	N/A	

					A	Damaat	Justification for
Date of		Pipe Segment	Length of Pipe		Approx. Length	Repeat Cleaning	Repeat Cleaning
Cleaning	eaning Subsection ID		Segment	# Passes	Cleaned (FT)	(this CY)	(by Reason Code)*
12/2/2015	MEADOWBROOK	MB804	25	3	75	NO	N/A
12/2/2015	MEADOWBROOK	MB805	200	3	600	NO	N/A
12/2/2015	MEADOWBROOK	MB821	350	3	1050	NO	N/A
12/2/2015	MEADOWBROOK	MB822	225	3	675	NO	N/A
12/2/2015	MEADOWBROOK	PJ400	300	1	300	NO	N/A
12/14/2015	MEADOWBROOK	MB996	375	1	375	YES	D
3/11/2015	CAPEHART	OC453	250	1	250	YES	D
3/11/2015	CAPEHART	OC455	200	1	200	NO	N/A
3/16/2015	CAPEHART	OC403	150	1	150	NO	N/A
3/16/2015	CAPEHART	OC420	100	1	100	NO	N/A
3/16/2015	CAPEHART	OC421	300	1	300	NO	N/A
4/9/2015	CAPEHART	OC422	375	1	375	NO	N/A
5/13/2015	CAPEHART	OC403	150	1	150	YES	D
5/13/2015	CAPEHART	OC420	100	1	100	YES	D
5/13/2015	CAPEHART	OC421	300	1	300	YES	D
5/13/2015	CAPEHART	OC422	375	1	375	YES	D
6/17/2015	CAPEHART	OC422	375	1	375	YES	D
6/19/2015	CAPEHART	OC403	300	1	300	YES	D
6/19/2015	CAPEHART	OC420	100	1	100	YES	D
6/19/2015	CAPEHART	OC421	350	1	350	YES	D
6/19/2015	CAPEHART	OC453	250	1	250	YES	D
6/19/2015	CAPEHART	OC455	200	1	200	YES	D
6/28/2015	CAPEHART	OC851	350	2	700	NO	N/A
6/30/2015	CAPEHART	OC452	100	1	100	NO	N/A
6/30/2015	CAPEHART	OC460	125	1	125	NO	N/A
6/30/2015	CAPEHART	OC461	100	1	100	NO	N/A
6/30/2015	CAPEHART	OC462	250	1	250	NO	N/A
6/30/2015	CAPEHART	OC463	200	1	200	NO	N/A
6/30/2015	CAPEHART	OC465	125	1	125	NO	N/A
8/27/2015	CAPEHART	OC403	150	1	150	YES	D
8/27/2015	CAPEHART	OC420	100	1	100	YES	D
8/27/2015	CAPEHART	OC421	350	1	350	YES	D
8/27/2015	CAPEHART	OC422	375	1	375	YES	D
10/26/2015	CAPEHART	OC403	300	1	300	YES	D
10/26/2015	CAPEHART	OC421	350	1	350	YES	D
10/26/2015	CAPEHART	OC422	375	1	375	YES	D
11/9/2015	CAPEHART	OC453	275	1	275	YES	D
11/9/2015	CAPEHART	OC455	200	1	200	YES	D
3/16/2015	PENJAJAWOC	PJ400	300	1	300	NO	N/A
3/27/2015	PENJAJAWOC	PJ039	60	2	120	NO	N/A
3/27/2015	PENJAJAWOC	PJ040	265	2	530	NO	N/A
3/27/2015	PENJAJAWOC	PJ041	325	2	650	NO	N/A
3/30/2015	PENJAJAWOC	PJ038	200	2	400	NO	N/A
3/30/2015	PENJAJAWOC	PJ750	200	2	400	NO	N/A
4/14/2015	PENJAJAWOC	PJ701	350	3	1050	NO	N/A

Date of Cleaning	Subsection	Pipe Segment ID	Length of Pipe Segment	# Passes	Approx. Length Cleaned (FT)	Repeat Cleaning (this CY)	Justification for Repeat Cleaning (by Reason Code)*
4/14/2015	4/14/2015 PENJAJAWOC PJ702		225	1	225	NO	N/A
4/14/2015	PENJAJAWOC	PJ703	125	1	125	NO	N/A
4/14/2015	PENJAJAWOC	PJ704	450	1	450	NO	N/A
4/16/2015	PENJAJAWOC	PJ036	100	3	300	NO	N/A
4/16/2015	PENJAJAWOC	PJ700	350	3	1050	NO	N/A
4/23/2015	PENJAJAWOC	PJ400	300	1	300	YES	D
6/11/2015	PENJAJAWOC	PJ400	300	1	300	YES	D
6/16/2015	PENJAJAWOC	PJ112	375	1	375	NO	N/A
6/16/2015	PENJAJAWOC	PJ113	275	2	550	NO	N/A
7/30/2015	PENJAJAWOC	PJ400	300	1	300	YES	D
9/8/2015	PENJAJAWOC	PJ400	300	1	300	YES	D
11/9/2015	PENJAJAWOC	PJ400	300	1	300	YES	D
12/14/2015	WESTLAND	WL600	L600 75		75	NO	N/A
4/30/2015	WOODLAWN	WL024	300	4	1200	NO	N/A
4/30/2015	WOODLAWN	WL025	300	1	300	NO	N/A
4/30/2015	WOODLAWN	WL600	225	1	225	NO	N/A
5/5/2015	WOODLAWN	WL021	475	4	1900	NO	N/A
5/5/2015	WOODLAWN	WL022	375	2	750	NO	N/A
5/5/2015	WOODLAWN	WL023	300	2	600	NO	N/A
10/26/2015	WOODLAWN	WL600	75	1	75	YES	D
11/6/2015	WOODLAWN	WL600	75	1	75	YES	D
TOTAL CLEANE	D (FT)				142,305		

- \* Reason Codes used in the justification for repeat cleaning are as follows:
- A Lack of physical access
- B Vegetative root intrusion
- C Protruding laterals that may cause material to buildup
- D Existing condition requiring frequent maintenance flushing to prevent a blockage, such as sags in pipes, pipes with flat slopes, ends of lines, areas with low flow, or areas known to be prone to grease, paper, rag, deposit, sludge, or other buildup.
- E Removal of blockage
- F Investigation of complaint
- G Prior to CCTV investigation

#### APPENDIX F: SSO EVENT LOG

Event No.	Date/Time Reported or Discovered	Date/Time Stopped	Location (Nearest Address)	Final Disposition (Ground, Street, MS4, Surface Water)	Source of Notification	Suspected Cause of Event	Due to blockage or hydraulic limitation within publicly owned Collection System	Measures Taken to Stop Event	Estimated Release Volume (gal)/ Methodology	Date of Most Recent SSO Event at Location
15-00	6/12/2015	Unknown	252 Harlow Street at CSO 011	Birch Stream, Kenduskeag Stream	Federal Building personnel to WWTP	Likely resulted from testing of fire suppression equipment in aircraft hangars, unauthorized discharge to collection system	No	No measures, was notified after the fact	Unknown	None recorded
15-01	6/11/2015 7/14/2015 at	Unknown Unknown-prior	94 Kenduskeag Ave (nearest parcel) - MH AP001	Unknown	Consultant	Unknown Pin hole leak in drain hose on vac	Unknown	No measures, discovered after incident ended	Unknown 15 gal/onsite	None recorded
15-02	7:00 AM 9/25/2015 at	to 7 AM 9/26/2015 at	530 Maine Ave 54 Pleasant	Ground  Basement backup, flowed	Sewer Crew	truck Roots and wipes in sewer main AP360	No	Repaired hose  Jetted main line and snaked	estimate 5 gal/onsite	n/a None
15-03	8:30 AM	11:00 AM	View 410 State	back into system	Public Works	and private lateral	Yes-partially	house service	estimate	recorded
15-04	9/30/2015 at 10:30 AM	Unknown	Street (Wing Parking Lot MH CB011)	MS4 via CB F08-4036 to Penobscot River	EMMC to Sewer Dept.	Surcharge during high intensity rain event	Yes	No applicable measures, wet weather related	Unknown	9/3/2013
15-05	9/30/2015 at 10:30 AM	Unknown	Hancock Street at MH HK004	Ground	Public Works	Surcharge during high intensity rain event	Yes	No applicable measures, wet weather related	Unknown	None recorded
15-06	9/30/2015 at 12:10 PM	Unknown	300 West Broadway	Basement backup, flowed back into system	Homeowner to Public Works	Surcharge during high intensity rain event	Yes	No applicable measures, wet weather related	6700 gal/depth reported x bldg footprint	None recorded
15-07	9/30/2015 at 12:30 PM	Unknown	294 West Broadway	Basement backup, flowed back into system	Resident to Public Works	Surcharge during high intensity rain event	Yes	No applicable measures, wet weather related	Unknown	None recorded
15-08*	9/30/2015 at 1:00 PM	Unknown	78 Exchange Street (Kenduskeag Plaza East) one or more MHs at head of tank	Reached CBs in 78 Exchange Street Parking lot which discharge to Kenduskeag Stream	Public Works	Surcharge during high intensity rain event	Yes	Staff was onsite controlling Kenduskeag East and West CSO valves	Unknown	1/6/2014
15-09	9/30/2015 at 1:30 PM	9/30/2015	18 Maxwell Lane	Basement backup, flowed back into system	Resident to Public Works	Surcharge during high intensity rain event, blockage and infiltration	Yes-partially	Jetted main	25 gal/onsite estimate	None recorded
15-10	9/30/2015 at 11:30 AM	9/30/2015 at 12:30 PM	200 Parkview Ave.	Basement backup, flowed back into system	Resident to Public Works	Surcharge during high intensity rain event, blockage and infiltration	Yes-partially	Jetted main	25 gal/onsite estimate	10/20/2012

#### APPENDIX F: SSO EVENT LOG

Event No.	Date/Time Reported or Discovered	Date/Time Stopped	Location (Nearest Address)	Final Disposition (Ground, Street, MS4, Surface Water)	Source of Notification	Suspected Cause of Event	Due to blockage or hydraulic limitation within publich owned Collection System	Measures Taken to Stop Event	Estimated Release Volume (gal)/ Methodology	Date of Most Recent SSO Event at Location
15-11	9/30/2015 at 11:30 AM	9/30/2015 at 12:30 PM	195 Parkview Ave.	Basement backup, flowed back into system	Resident to Public Works	Surcharge during high intensity rain event, blockage and infiltration	Yes-partially	Jetted main	25 gal/onsite estimate	None recorded
15-12	9/30/2015 at 11:30 AM	9/30/2015 at 12:30 PM	104 Seventh St.	Basement backup, flowed back into system	Resident to Sewer Dept.	Surcharge during high intensity rain event, blockage and infiltration	Yes-partially	Jetted main	25 gal/onsite estimate	None recorded
15-13	10/1/2015 at 8:00 AM	10/1/2015	368 Garland St.	Basement backup, flowed back into system	Resident	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, was notified after the fact	6000 gal/depth reported x bldg footprint	None recorded
15-14	10/2/2015 at 1:00 PM	10/1/2015	325 Garland St	Basement backup, flowed back into system	Resident	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, was notified after the fact	4000 gal/depth reported x bldg footprint	None recorded
15-15	10/2/2015 at 9:00 AM	Unknown	678 Main St. (nearest parcel) - Structure BV002	Likely only the ground	Sewer Crew	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded
15-16	10/8/2015 at 8:00 AM	In progress	73 Harlow St. (closest parcel) Park Street sewer mainline	Groundwater and ground, through un-numbered CB in parking lot to the combined sewer system on Harlow Street	City Hall staff	Collapsed pipe and deteriorated mortar	No	Performed spot repair, then replaced 470 feet of sewer mainline and installed 3 manholes	Unknown	Unknown
15-17	10/9/2015 at 12:30 PM	Unknown	35 Valley Ave. (closest parcel) MH KI031	Ground, unknown whether flows reached the Kenduskeag Stream	Sewer Crew	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded
15-18	10/13/2015 at 8:00 AM	Unknown	666 Finson Road (closest parcel) - MH KI091	Ground, unknown whether flows reached the Kenduskeag Stream	Sewer Crew	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded
15-19	10/16/2015 at 10:00 AM	Unknown	228 Buck St MHs at head of Barkersville Tank (BV016 and BV016)	Ground	Sewer Crew	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded

#### APPENDIX F: SSO EVENT LOG

#### City of Bangor, Maine Calendar Year 2015

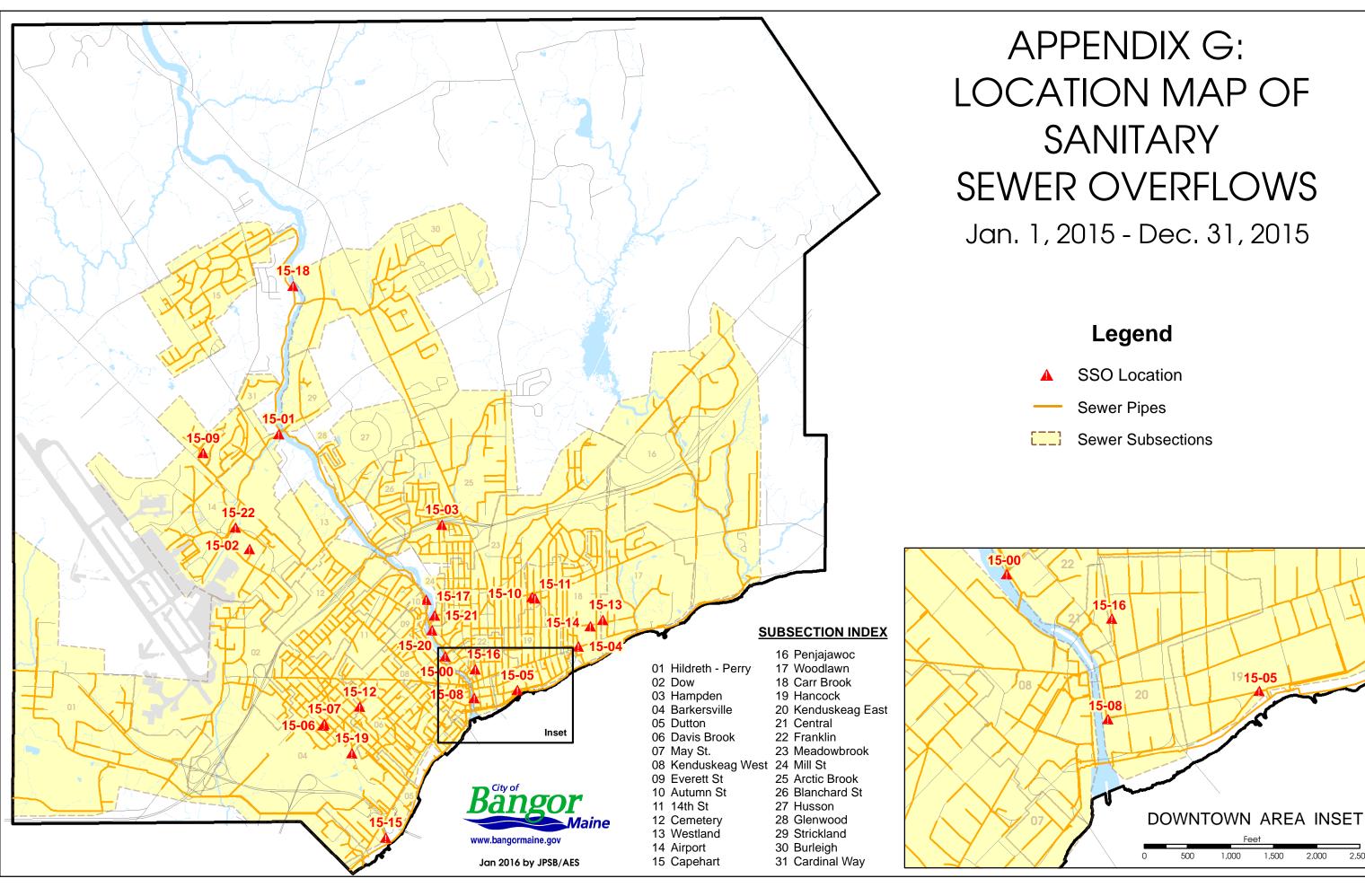
Event No.	Date/Time Reported or Discovered	Date/Time Stopped	Location (Nearest Address)	Final Disposition (Ground, Street, MS4, Surface Water)	Source of Notification	Suspected Cause of Event	Due to blockage or hydraulic limitation within publich owned Collection System	Measures Taken to Stop Event	Estimated Release Volume (gal)/ Methodology	Date of Most Recent SSO Event at Location
15-20	10/19/2015 at 9:30 AM	Unknown	408 Harlow St MH KI025	Ground	Routine inspection	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded
15-21	10/22/2015 at 12:30 PM	Unknown	459 Harlow St MH MS002	Ground	Routine inspection	Likely surcharge during high intensity rain event 9/30/2015	Yes	No measures, discovered after incident ended	Unknown	None recorded
15-22**	12/15/2015 at 8:40 AM	In progress	611 Godfrey Blvd	Groundwater flowing toward canal	IDDE sampling	Likely broken pipe	No	Construct new sewer and abandon deteriorated pipe	Unknown	Unknown

<sup>\* 15-08:</sup> Due to widespread surface flooding, the specific structures in the local area that were involved could not be determined.

#### General Notes:

- An event occurred on 9/30/2015 at the Cemetery licensed CSO, which was reported as an SSO using the MEDEP's "Discharge Incident Report Form". This will be included as a CSO in the MEDEP's "Annual CSO Progress Report".
- For some instances where the incident was reported or discovered after the SSO event had ceased, the Date/Time Stopped and the Estimated Release Volume were not able to be determined. In cases such as this, "Unknown" appears in the table.

<sup>\*\*15-22:</sup> This event is exfiltration that was reported as an SSO using the MEDEP's "Discharge Incident Report" form.



# APPENDIX G: LOCATION MAP OF SANITARY SEWER OVERFLOWS

Jan. 1, 2015 - Dec. 31, 2015

1915-05