



## ASHLAND/BOYD COUNTY 2015 ANNUAL COMPLIANCE REPORT

*APRIL 2016*

Permittee: City of Ashland

Co-Permittees: City of Catlettsburg  
Boyd County Fiscal Court



Submittal By:

Mr. Marion Russell  
[mrussell@ashlandky.org](mailto:mrussell@ashlandky.org)  
[www.ashlandky.org](http://www.ashlandky.org)  
Director of Public Services  
1700 Greenup Avenue  
Ashland, KY 41105  
Phone: 606/327-2007  
KDOW AI#6690

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## Public Works

Post Office Box 1839  
Ashland, Kentucky 41105-1839

Phone: (606) 327-2007  
Fax: (606) 327-2060

April 14, 2016

Ms. Abigail Rains, MS4 Coordinator  
Kentucky Division of Water, KPDES Branch  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: Ashland/Boyd County 2015 Annual Compliance Report  
Permit No. KYG200002**

Dear Ms. Rains:

Transmitted herewith is our Phase II Stormwater 2015 Annual Compliance Report for Ashland, City of Catlettsburg and Boyd County (MS4 Group). We are pleased to submit this report for your review and comment.

The MS4 Group continued to work together in carrying out various activities and best management practices to educate and involve the general public on stormwater pollution prevention and improve and maintain water quality in the local streams and rivers.

In 2015 locally construction activities for new development and re-development work slowed down but we continued to issue site disturbance permits and follow-up inspections to insure proper erosion and sediment controls are being installed.

We have begun a partnership with the Boyd County UK Horticulture Extension Office. Through this partnership we plan to work with them on water quality related activities and public education and involvement.

In 2016 we plan to become more active with the Extension Office and conduct joint SWAC meeting with neighboring MS4 groups.

In 2016 we continue our baseline monitoring program of several streams, which we do every two years.

With the turndown of the economy as experienced in the last couple of years there continues to be budget cutbacks which reduces funding for our Phase II program. However, we remain committed to continuing and implementing activities with our existing resources as outlined in SWQMP for calendar year 2016.

We firmly believe our Phase II Program is making a difference in preventing and reducing pollution in storm water runoff and improving water quality in area streams. Should you have any questions or need additional information please give me a call at 606/327-2007.

Sincerely,



Marion Russell  
MS4 Coordinator/Director of Public Works

Encl: Report (disk and hard copy)

Copy: Nickie Smith, Boyd County Economic Development Director

**Kentucky Division of Water**

**GENERAL PERMIT ANNUAL COMPLIANCE REPORT.**

**Phase II Stormwater MS4**  
Kentucky Division of Water

- NOTE:**
- In order to comply with KPDES sMS4 permits, annual reports must be submitted to the Kentucky Division of Water.
  - **Please type or print in ink.**
  - Please answer all questions **thoroughly** and return the form by the due date.
  - Return this form and any required addenda to the KDOW MS4 Coordinator at the address listed in the box on the upper-right.
  - **Due April 15, 2016.**

**For questions regarding this form, contact:**

**Abigail Rains**  
ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, KY 40601  
Phone: (502) 564-3410, Extension 4891

REPORTING YEAR (Check one)
<input type="checkbox"/> 2012
<input type="checkbox"/> 2013
<input type="checkbox"/> 2014
<input checked="" type="checkbox"/> 2015
<input type="checkbox"/> 2016

**PART A: GENERAL INFORMATION – MS4 OPERATOR**

<b>1.</b>	Report Completed By:	Marion Russell, City of Ashland <small>(MS4 Operator — i.e., name of permit holder)</small>									
<b>2.</b>	Permit Number:	<table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;">K</td> <td style="border: 1px solid black; width: 20px; text-align: center;">Y</td> <td style="border: 1px solid black; width: 20px; text-align: center;">G</td> <td style="border: 1px solid black; width: 20px; text-align: center;">2</td> <td style="border: 1px solid black; width: 20px; text-align: center;">0</td> <td style="border: 1px solid black; width: 20px; text-align: center;">0</td> <td style="border: 1px solid black; width: 20px; text-align: center;">0</td> <td style="border: 1px solid black; width: 20px; text-align: center;">0</td> <td style="border: 1px solid black; width: 20px; text-align: center;">2</td> </tr> </table>	K	Y	G	2	0	0	0	0	2
K	Y	G	2	0	0	0	0	2			
<b>3.</b>	AI #	6690									
<b>4.</b>	Population Urbanized Area	42,000									
<b>5.</b>	Mailing Address: P.O. Box 1839 Street Address: 1700 Greenup Avenue	City of Ashland – 21,700									
<input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Other	<b>of:</b> Ashland, Kentucky	Zip: 41105-1839									
		County: Boyd									

**PART B: GENERAL INFORMATION – CONTACT PERSON**

<b>6.</b>	Contact Person Name (please print):	Marion Russell
<b>7.</b>	Contact Person Title:	Director of Public Works
<b>8.</b>	Phone Number:	606-327-2007
<b>9.</b>	Facsimile Number (if applicable):	606-327-2060
<b>10.</b>	E-mail Address (if applicable):	mrussell@ashlandky.org

**PART C: CONTROL MEASURE ACTIVITIES**

**11. For the following items, please provide a summary of control measure activities related to sMS4 performed during the previous year. List any updated measurable goals from the Stormwater Quality Management Plan (SWQMP), compliance activities, Best Management Practices (BMP) installed or initiated, and updated or developed regulatory mechanisms with effective dates.**

**A. Public Education and Outreach:**

Describe your public education efforts for the last 12 months:

**1. KYTC Outreach Program**

KYTC with our MS4 and partner communities utilize several approaches to public education. The most pronounced is a mass media play via radio and television. We also utilize a website tied in with the radio and television spots. KYTC in a combined effort with the MS4 communities manage the Adopt-A-Highway program. KYTC also utilizes our Kentucky Engineers Exposure Network (KEEN) to promote stormwater issues in community schools.

Describe your method of outreach:

The KYTC Media Outreach Program (MOP), in conjunction with our partner MS4 communities, contracted with the Kentucky Broadcasters Association (KBA) to air a video spot and six audio spots in 2014. The 30 second spots have been aired statewide as a public education initiative to inform the general population about stormwater issues. The ads messages were developed after the statewide survey conducted in 2008 identified that half of the population is unaware that storm drains discharge directly to waters of the Commonwealth without treatment. The ads can be viewed on [stormwater.ky.gov](http://stormwater.ky.gov). The TV and radio plays combined totaled 94,016 plays statewide in 2015 for a total value of \$1,671,404.

KYTC initiated a committee of five MS4 representatives and the DOW representative in 2009 to work with our consultant, New West, to develop the ads. The members are Abby Rains – DOW, Suzie Bradley – Campbellsville, Randy Stambaugh – MSD, Vicki Brackett – Hardin County, Jamie Holtzapfel – SD1 and Jack Wright – Plum Springs Warren County Joint Storm Water Sewer Agency. A mix of general information and specific item ads were developed. The resulting work of the committee was the six audio spots and the one video spot. In 2012 the committee was called together again to develop a new TV advertisement for the stormwater program. The new ad began airing in December 2012. KBA distributes the ads to 230 stations in 132 communities. The KBA receives certified reports from the member stations verifying the number of times the spots are played. Since the inception of the Media Outreach Program there have been 443,422 plays for a total value of \$8,327,828.

The 2015 summary of ad play is as follows:

85,977 radio Spots with a value of \$1,259,438

8,039 television plays with a value of \$411,966

TV and radio plays combined totaled 94,016 plays statewide for a total value of \$1,671,404.

A new website URL was secured and a new website prepared to help launch the MOP and provide a statewide resource for the KYTC and our partner MS4 communities to promote stormwater issues. The website was designed to address both the public and those involved with the MS4 program either as a permitted community, construction contractor or KYTC. It provides basic information regarding what is stormwater and stormwater pollution, who to contact if more information is needed or a concern needs to be reported, and technical information for MS4 communities and contractors. The website had 608 visits in 2015 and 2,830 page views.

Kentucky has participated in the International Adopt-A-Highway Program since 1988. The Commonwealth has one Statewide Adopt-A-Highway Coordinator in central office and 12 Adopt-A-Highway District Coordinators throughout the state. The Adopt-A-Highway program involves community groups to organize and pick up litter. The Transportation Cabinet participates in Adopt-A-Highway meetings as agreed upon by the Local Community and KYTC. There are 674 groups that manage 1,367 miles of roads throughout the state.

The Members of KYTC's KEEN organization held twenty-one presentations at schools and groups across the state. The presentations included the Enviroscape, Fishy Tale, and Sum of All Parts.

**2. University of Kentucky Horticulture Extension Outreach Program**

Ashland/Boyd County in a combined effort with the University of Kentucky's Horticulture Extension office has hosted several workshops and programs to aid in public participation and outreach.

Describe your method of outreach:

- Master Gardener Classes – A series of 16 gardening classes were conducted from March 2015 to June 2015 with 37 participants.
- Raingarden Program – A program providing participants with resources and information on raingarden construction. The program was conducted in April 2015 with 12 participants
- Native Plants Program and Demonstration Landscape around Extension Office – This educational program about native plants included a presentation of plans used for the demonstration landscape and the implementation process of phase 1 of the plans. This program received 20 participants.
- Rain Barrel Workshop - A workshop offering participants the many uses of a rain barrel and the resources and information for making their own. The workshop was held in October 2015 and had 12 participants.
- Jr Master Gardener Program – A program engaging children in hands-on learning experiences that promote a love of gardening, and appreciation for the environment. Classes were conducted February through May 2015 with one class per month. There were 8 participants.
- Small Farm and Garden Conference - This conference that was hosted in February 2015 included information on composting and had 22 participants.
- Tree Giveaway – This giveaway was co-hosted with Ashland Tree Board in April 2015 and had 250 participants.
- Worm Composting – This composting event was ran in January 2015 with 17 participants.
- WSAZ Home and Garden Show – Participated in handing out informational packets at the March 2015 show. The show ran for 3 days with 12 volunteers handing out information to approximately 15,000 tri-state residents.
- Monthly Saturday Report Show – The show discussing topics relating to gardening/lawn care at each time of the year is run monthly from January to December 2015 reaching approximately 40,000 viewers.
- Soil Testing – Soil testing for local farms, gardens, and yards in the Boyd County area were taken January to December 2015 – 179 soil tests ran. Results are provided to help land owners meet the needs of their intended gardens/yards.

### 3. Public Notice/Advertisements in the Daily Independent

- An article was run in Daily Independent on December 29, 2015 educating the public on the 2005 ordinance citing prohibited disposal practices for rubbish and trash including leaves, grass cuttings and other yard waste.
- An article was run in Daily Independent on April 25, 2015 describing the City's annual Arbor Day tree giveaway hosted by the Central Park tree board.

With a circulation of 15,000 to 20,000 the advertisements and public notice runs provided an opportunity to reach 75,000 to 100,000 citizens. See **Appendix A** for advertisements and public notices.

### 4. Miscellaneous Activities

- Stormwater management program information provided to staff via emails from KDOW and EPA.
- The storm water section on the Ashland and Boyd County website continues to be a source of information and outreach to the general public on the storm water management program.
- For Ashland a new website for all departments was developed. Unfortunately with turnover in senior management and IT issues the roll out was delayed. The website was finally put online in early. Ashland is in the process of uploading current information on the Storm Water Quality Management Program, hyperlinks to public education and participation articles, brochures and best management practices and other user friendly educational material for the citizens of Ashland and Boyd County to understand and promote BMPs to improve the water quality of streams and creeks in the watershed. Ordinances, SWQMP SMOP, Stormwater Quality BMP Manual and KYTC Erosion and Sediment Control Inspector's Guide will be uploaded.

## B. Public Involvement and Participation:

Do you have a Stormwater Advisory Committee (SWAC)?

Yes. The Ashland and Boyd County SWAC is made up of city and county staff, private practitioner, health department representative, general contractor and members of Ashland Community Technical College, FIVCO Area Development District and Chamber of Commerce.

There were no formal meetings in 2015 but the MS4 coordinators communicated through emails and staff meetings throughout the year in regards to public involvement activities.

Describe any events or activities facilitated by or sponsored by the MS4 in the last 12 months:

**1. University of Kentucky Horticulture Extension Outreach Program**

Ashland/Boyd County in a combined effort with the University of Kentucky's Horticulture Extension office have hosted several workshops and programs to aid in public participation and outreach as described above in the Public Outreach and Education section.

**2. Ashland/Boyd County Training**

12 volunteers handed out informational brochures at the WSAZ Home and Garden Show in March 2015 to approximately 15,000 tri-state residents.

Other Ashland and Boyd County staff attended some of the training events provided by the KY Horticulture Extension Outreach Program.

**3. Ashland Pre-Treatment Program**

This program informs the public of requirements for the use of the public sewer system in Ashland, SD No. 4 and Boyd County Sanitation District. Ashland also issues the commercial and industrial permits for use of the sewer system which defines limitation on allowable waste entering the sewer system. The City of Ashland provides water service to all three of our communities.

**4. The Ohio River Sweep Program**

this program spans six states and 3,000 miles from Illinois to Pennsylvania was conducted on June 20th, 2015 in Catlettsburg and Ashland. The river sweep site was along Catlettsburg City Park. Volunteers take pride in keeping waterways clean, for their own benefit as well as for the wildlife that depend on the river. The public understands how valuable a resource the Ohio River and its surrounding tributaries are. The FIVCO Area development District and local coordinator Kelly Ward planned the cleanup. The river sweep is supported by all three governmental bodies. Many people volunteered, collecting several tons of trash.

**5. Kentucky PRIDE Organization**

Ashland and Boyd County are now members of Hal Rogers' Pride Organization. In 2015 the MS4 Group will continue to draw upon this organization and become active in various environmental programs.

**6. City of Ashland, Boyd County and Catlettsburg Cleanup Days**

Each held cleanup days this past year with cost to haul waste to landfills paid by the local governments.

The Spring Cleanup for Catlettsburg was conducted on May 4th, 5th, 6th, 7th and 8th 2015. The Spring Cleanup for Ashland and Boyd County was conducted on April 30th, May 1st, & 2nd. Ashland collected 24.32 tons, received \$361 for scrap metal and had a cleanup cost of \$42.56.

Fall Cleanup for Catlettsburg was conducted on October 19th, 20th, 21st, 22nd, and 23rd 2016. The Fall cleanup for Ashland and Boyd County was conducted on October 2nd & 3rd at the River Cities Landfill at Coalton. Waste collected included construction debris, household hazardous waste and electronic waste (tvs, computers, and phones). Ashland collected 18.75 tons, received \$178.20 for scrap metal and had a cleanup cost of \$32.81. Ashland cost for both clean-ups was \$75.46.

Hazardous waste collected included: driveway sealer, oil, acids, batteries, paints, solvents, aerosols, bulbs, lamps, pesticides, fire extinguishers, cylinders, carbon dioxide cylinder, and propane tanks.

Advertisements and cleanup day photos for the spring and fall events are provided in **Appendix B**.

**7. The Ashland Tree Board Plant a Tree Outing**

Ashland held its annual Arbor Day Plant A Tree Project on April 25th, 2015 at Central Park. 28 trees were planted, 33 trees were pruned and approximately 4,200 tree seedlings were given away with the help of Ashland Community and Technical College students. The City expended \$111,130.10 on seedlings, trees, mulch, tree maintenance along streets and parks and labor in 2014. With these expenditures, Ashland is able to maintain its certifications as "Tree City USA". More trees add green canopy and more infiltration and filtration to rain water, which improves the overall water quality in the local streams and rivers.

See **Appendix B** for Plant A Tree Project photos, tree city recertification application and tree related expenditures.

### **8. Ashland Water Plant and Wastewater Plant Tours**

Tours are made available upon request for civic groups, school classes, and members of the general public.

### **9. Charles and Betty Russell Walking Trail - Addition**

A half mile addition was completed in 2015. This project began in the summer of 2014 and consists of hiking trails along creeks and hills and construction of several trail heads. The Russell's donated 20 acres on a hill between Forest and Ashland avenues. Volunteers cleaned and prepared paths. The trails are an asset to the City which will promote more health related activities and provide an avenue for the public to appreciate the local streams and environment. A grand opening was conducted on October 16th, 2014. See Civic Group presentation in **Appendix B**.

### **10. US 23 Beautification Program**

This program which is sponsored by the Ashland Alliance involves litter cleanup along the highway in both Boyd and Greenup Counties. Ashland, Boyd County and Catlettsburg all support this annual cleanup effort. The US 23 Beautification Cleanup was postponed in 2015 but will resume in 2016.

## **C. Illicit Discharge Detection and Elimination:**

Have you passed IDDE Ordinance? Yes in 2005. Catlettsburg and Boyd County have passed similar ordinances.

Does the ordinance include escalated enforcement procedures? Yes

Do you have a written IDDE Plan in place? Yes. An IDDE plan was adopted in February 2007 and provided in the 2010 Annual Report.

Illicit discharges that are detected are eliminated immediately. Sanitary sewer back-ups and overflows are corrected the same day or next day at the latest. The corrections include cleaning with jet vacuum, replacing the damaged pipe and snaking the lateral or pipe to clear debris. See **Appendix D** for summary of wet weather and dry weather CSOs and SSOs.

Boyd County Sanitation District continues to eliminate septic tanks and on-site treatment systems with the construction of gravity sanitary sewers. Boyd County installed 1,841lf of storm pipe, re-graded approx. 20-25 miles of ditch flowlines; KYTC also inspected several arch culverts that were repaired in 2015.

Strand Engineering is Ashland's consulting firm involved with the CSO program, which includes a Long Term Control Plan. Ashland is under a consent decree with Kentucky Division of Water and an administrative order from EPA Region 4. Boyd County does not have combined sewers and Catlettsburg is working with KDOW on their CSO concerns. Catlettsburg has placed warning signs at all CSO outfalls. A copy of Ashland's Consent Judgment Annual Report 2013 was submitted to Kentucky Division of Water in February 2014. See **Appendix C** for Updated LTCP Report.

Ashland, Catlettsburg and BCSD continue smoke and dye testing in the collection systems to detect breaks or illicit connections to the sanitary sewer.

Have you completed the mapping of major outfalls? Ashland and Boyd County – Yes

Have you dry-screened your major outfalls? Ashland had completed dry screening major outfalls. Boyd County is beginning the dry screening evaluation. City of Catlettsburg has had a lot of turnover in management and as such has begun dry weather screening of outfalls. Ashland and Boyd County will share information, templates, etc. to get them started.

Ashland developed a Phase II Stormwater Monitoring Program In March of 2015. Ashland did not perform dry weather screening in 2015 but plans to continue baseline sampling of four creeks – Keys, Brubaker, Long Branch and Little Hoods. in 2016 and will review and update SWMP submitted in 2015. Any illicit discharges detected by public notification or other departments (utilities) will be addressed immediately.

Did you have any illicit discharges in the last 12 months, if so, describe discharge and resolution.

There were some sanitary sewer back-ups. The discharges were sanitary sewer waste. Correction actions included chemical and mechanical cleaning of the main sewer lines and laterals from roots and full replacement of mains and laterals. See **Appendix D** for summary of CSOs and SSOs

Describe how you measure success for reaching the goal of this MCM: Success is measured by reducing or eliminating all illicit discharges and keeping streams off the 303(d) list for impairments contributed to urbanization.

**D. Construction Site Stormwater Run-off Control:**

Have you passed the Construction Site Stormwater Runoff Control (EPSC) Ordinance? Yes in 2005. Catlettsburg and Boyd County have passed similar ordinances.

Does the ordinance include escalated enforcement? Yes

Are you requiring proof of the receipt of KYR10 permit? Yes, the ordinance requires the developer/contractor to provide copy of the NOI filed with KDOW and the EPSC plans.

Do you give the developer a permit from you, the MS4? Yes

Under the erosion and sediment control ordinance: Boyd County issued 54 permits (Level 1 – 10; Level 2 – 41; and Level 3 – 3); Ashland issued 9 permits (Level 1 – 7, Level 2 – 1, Level 3 - 1). Inspections are provided for all permits.

How often are you inspecting active construction sites? Typically before construction, after BMPs are installed and depending on the duration and magnitude of the project at least monthly, and at final completion. Boyd County conducted 153 inspections.

How many inspections resulted in enforcement actions? Fines collected? Ashland - Non compliance items were addressed without issuing notice of violations and fines. Boyd County – four notices of violations were issued.

Describe how you measure success for reaching the goal of this MCM: Success is measured by having all land disturbance activities permitted, as required by ordinance; having contractors, builders and developers implement EPSC best management practices and preventing silt and sedimentation from leaving construction sites and entering the MS4 conveyance system. Success is measured by preventing the build up of sedimentation in streams and the conveyance system from construction activities.

**E. Post-construction Stormwater Management in New Development and Redevelopment:**

Have you passed Post-Construction Ordinance? Yes in 2010. Catlettsburg and Boyd County have passed similar ordinances.

Does the ordinance include escalated enforcement? Yes

Have you adopted the 80% stormwater treatment standard into your ordinance? Yes

The Ashland/Boyd County Post-Construction Stormwater Management Ordinance adopted in 2010 requires water quality treatment for storm water runoff from an 80 percentile storm event. For Ashland and Boyd County an 80<sup>th</sup> percentile storm event is equivalent to a rainfall event of 0.80 inches.

The goal of the Ashland/Boyd County SWQMP is to have new developments treat to the MEP runoff generated from first 0.80 inches of rainfall by conveying the runoff through a water quality BMP.

Per the KYG20 Permit on Part Page II-9 - The permittee shall demonstrate compliance with the requirements for post-construction controls by summarizing the following in the annual report. A summary of the number and types of projects that the permittee reviewed for new and redevelopment considerations and the types of BMPs installed including green infrastructure and buffers.

i. A summary of management practice maintenance inspections conducted by the permittee(s), including a summary of the number requiring maintenance or repair, and the number of enforcement actions taken.

There are no post-construction BMPs or water quality basins in Ashland and Boyd County. There have not been any large scale developments in the Ashland and Boyd County area in 2015. No post-construction BMPs were built or inspected.

ii. A summary of any changes to local ordinances to accommodate green infrastructure alternatives.

No changes have been made to the ordinance. However, the developers/engineers are provided a copy of the Storm Water Quality BMP Manual. This BMP Manual provides general guidance and design criteria for techniques used during construction to limit erosion and sediment transport and practices built to control stormwater runoff peaks and volumes after construction. These techniques and practices include structural and non- structural BMPs.

iii. MS4 staff must be trained in the fundamentals of long-term stormwater-quality treatment management practices and in how to review such practices on construction plans and how to inspect practices for long-term protection, operation and maintenance. Please describe the training of staff in the last 12 months.

Training for staff was provided by HDR in 2014. Training for MS4 staff will be provided utilizing Kentucky Stormwater Association, participating in EPA webinars, and conducting consultant and vendor workshops. Available funding will limit how training can be provided.

Describe how you measure success for reaching the goal of this MCM: Implementing post-construction BMPs to reduce runoff peaks and volumes when new development projects occur.

Additional activities completed by Ashland/Boyd County included the following:

1. All three communities are working to improve trash and leaf collection and provide special cleanup days.
2. Ashland and Catlettsburg continued with their respective street sweeping programs. The City of Ashland continues to use the Elgin Whirlwind and two Tempco filtered street sweeper. City of Catlettsburg ran the street sweeper several times from April to October.
3. The MS4 group continues to maintain ditches, culverts, and catch basins. Boyd County: Cleaned 20-25 miles of ditches, repaired 1600 lineal feet of shoulders, installed 2,500 lineal feet of new channel lining and performed state inspected arched pipe repair. Ashland: Hauled 672 tons of debris to landfill, had 35 trees removed including 12 for Carriage project, had 8 trees dead wooded, had encroaching trees cut back on Skyline Drive, Cleaned after 5 storm events required tree work, Cleaned debris from sidewalks on old 13<sup>th</sup> Street, Complete 17 storm line/catch basin repairs, Cleaned riverfront after high water. Completed 80 feet of 36 inch storm drain repairs along Carriage Road after FEMA declared disaster, Planted trees in several locations. Catlettsburg Street Department continues to inspect, repair and remove trash and debris along creeks, culverts, storm sewer and catch basin along 46 roadways maintained by the City.

#### F. Pollution Prevention and Good Housekeeping for Municipal Operations:

The permittee must develop and implement an Operation and Maintenance (O & M) program that includes a training component with the goal of preventing or reducing pollutant runoff from municipal operations. Please describe the O & M Program that you have developed and implemented within the last twelve (12) months.

Our goal is to provide training for municipal operations employees every 2-years. HDR provided training late in 2014. We plan to conduct training in 2016. Training may include EPA webinars and conducting consultant and vendor workshops. We plan to provide re-fresher training for the following areas:

- NPDES History and Program Requirements
- Ashland/Boyd County SWQMP
- Protecting Water Quality from Urban Runoff
- O&M Programs for Parks & Recreation, Fleet Maintenance, Streets, Public Works, Engineering, Code Enforcement
- Spill/Leak Prevention Measures
- Spill Response Procedures
- Spill Cleanup Procedures
- Reporting

Available funding will limit how training can be provided.

Is the Operation and Maintenance Program/Plan formalized or written?

Because of budget cutback Ashland was not able to develop a formal stormwater municipal operations plan for the Ashland Streets Division site and Central Garage/Solid Waste Division site in 2015. In 2016 staff may prepare the SMOP with guidance from our consultant.

Ashland had approximately 589 gallons of used motor oil hauled away from the fleet garage.

Boyd County removed the following used fluids: motor oil, diesel fuel and cleaning solvent.

The Boyd County Road Department garage has an oil/grease separator to eliminate problem fluids from entering the drain. This separator also serves the wash bay area.

Ashland Solid Waste Division collected over 9,998 tons of household garbage and trash.

Ashland Streets Division collected 672 tons of debris and trash from the streets and street sweeping operations.

Boyd County has a salt barn with a non-pervious pad to catch loose salt to be put back in the barn.

City of Ashland's bus garage facility has an oil/water separator and other devices to prevent polluted water and used fluids from entering the sanitary or storm sewer systems.

Describe how you measure success for reaching the goal of this MCM: Success is measured by the metrics of waste and pollutants reduced or eliminated from entering the MS4 conveyance system. This translates into cleaner streams and staying off the 303(d) list.

**12. Provide any data regarding the following indicators (if applicable). Attach separate sheets as necessary, and indicate, as appropriate, the rationale behind not using a listed indicator.**

- a) Number or percentage of citizens that aware of storm water quality issues - Through our public education and outreach program we estimate 95% of our citizens are aware of storm water quality issues.  
  
Number and description of meetings, training sessions, and events conducted to involve citizens - Spring and Fall Cleanups, Ohio River Sweep, Tree Board Arborist Day; Some of these meetings were in partnership with KY Pride. The US 23 Beautification Cleanup was postponed in 2015 but will resume in 2016.
- b) Number or percentage of citizens that participate in storm water quality improvement projects - 15% involved in the programs listed in Item #2.
- c) Number and location of storm drains marked - City of Ashland started storm drain marking/stenciling in 2014
- d) Estimated linear feet or percentage of MS4 conveyances mapped - Approximately 370,000 lineal feet (70 miles)
- e) Number and location of MS4 area outfalls mapped - Approximately 340 outfalls and storm structure have been mapped in Ashland and Boyd County (see **Appendix E**)
- f) Number and location of MS4 area outfalls screened for illicit discharges - Ashland completed dry weather screening on 203 outfalls in 2014; Boyd County is starting their screening program.
- g) Number and location of illicit discharges detected – None other than SSOs (**See Appendix D**)
- h) Number and location of illicit discharges eliminated - None, SSOs were eliminated.
- i) Number of, and amount of material collected from, hazardous household waste (HHW) collections - Hazardous waste collected driveway sealer, oil, acids, batteries, paints, solvents, aerosol, bulbs, lamps, pesticides, fire extinguishers, carbon dioxide cylinder, and propane cylinders. Recycled 380.35 tons at a cost of \$19,179.90
- j) Number and location of citizen drop-off centers for automotive fluids - Two auto parts stores will take automobile fluids on a regular basis. Neither of the governmental bodies sponsors a permanent drop off facility.
- k) Number or percentage of citizens that participate in HHW collections - Ashland – 9,500 households
- l) Number of construction sites permitted for storm water quality - Boyd County – 60; Ashland – 9
- m) Number of construction sites inspected - All construction sites issued permits were inspected
- n) Number and type of enforcement actions taken against construction site operators - Minor actions; Any deficiencies identified were addressed immediately by the developer/contractor/builder
- o) Number of public informational requests received related to construction sites - None received
- p) Number, type, and location of structural BMPs implemented - None

- q) Number, type, and location of structural BMPs inspected - None
- r) Number, type, and location of structural BMPs maintained, or improved - None
- s) Type and location of nonstructural BMPs utilized - Silt fences, rock check dams and construction entrances were utilized at construction sites.
- t) Estimated acreage or square footage of open space preserved and mapped - Aerial images were developed in 2010; No open spaces were preserved through easement or likewise.
- u) Estimated acreage or square footage of mapped pervious and impervious surfaces - None
- v) Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with implemented BMPs - 100% of all stations have some type of BMP in place that are regulated by other agencies.
- w) Number and location of entities that have containment for accidental releases - Not available; Marathon Petroleum and AK Steel have containment structures at the tank farm where fuel and chemicals are stored.
- x) Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity - City of Ashland applies along sidewalks and roadways; Approximately 120 acres.
- y) Estimated linear feet or percentage and location of un-vegetated swales and ditches that have an adequately sized vegetated filter strip - None
- z) Estimated linear feet or percentage and location of stormwater sewer cleaned or repaired - Ashland – 300 lineal feet; Catlettsburg cleaned structures along 43 streets; Boyd County – 2,500 lineal feet
- aa) Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized - Boyd County – 1600 lineal feet of roadside shoulders, 20-25 miles of ditch stabilization.
- bb) Number and location of storm water outfall areas remediated from scouring conditions - None
- cc) Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize storm water exposure - All storage areas are covered. Ashland – Street/Garage 21st and Greenup Street garage; Boyd County – Road Department; Catlettsburg – Road Dept Facility
- dd) Estimated amount, in tons, of salt and sand used for snow and ice control – Boyd County – Approximately 600 tons of road salt, and 1200 tons of slag 8s for salt mix.
- ee) Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning - Total – 1,500 tons
- ff) Estimated amount of material collected from street sweeping - 672 tons
- gg) Number or percentage and location of canine parks sited at least 150 feet away from a surface water body  
Boyd County Dog Park/US 60 up on flat part of hill with vegetation around perimeter – runoff goes to Shopes Creek
- hh) Other

**13. On-Going Water Quality Characterization Activities**

a) Monitoring Data (visual, chemical, and/or biological):

Even though sampling is currently not required for Ashland/Boyd Work Group MS4 general permit or SWQMP, we will continue baseline stream sampling in 2016. Samples will be obtained from the same stream locations as conducted in 2014. See below.

Baseline stream sampling was obtained along 4 streams: Keyes Creek, Brubaker Creek, Long Branch and Hoods Creek. The analysis included the following parameters – metals, surfactants, turbidity, e-coli, ammonia nitrogen, conductivity and PH.

b) Other:

**14. Discuss any problems encountered during this period (include any BMP changes in response to problems encountered).**

As in years past the biggest challenges facing the MS4 Group is lack of funding sources coupled with budget cutbacks in the general fund that limits the amount of resources that can be committed to the MS4 program. This limitation presents challenges in implementing post-construction BMPs activities identified in the Ashland and Boyd County SWQMP.

The MS4 Group will continue to look for ways to share resources with other MS4 Groups and KYTC and spend dollars cost effectively to provide existing water quality programs and develop new programs and activities. The MS4 Group will continue to utilize training materials and water quality information available from the EPA. Summer help from local high school and college students will be used where possible

**15. Identify any new funding source(s) for implementing this permit.**

Ashland was able to utilize summer interns to assist with some activities.

There are no new funding sources available other than limited general funds. With the turndown in the local economy there will be less funding available to support this program.

**16. Provide a summary of complaints received and the follow-up actions taken in reference to storm water quality issues.**

No major complaints in 2015

Minor complaints from runoff during heavy rains and mud tracked into streets were addressed by the construction site operators, Ashland Public Works and Boyd County Road Department, as deemed appropriate.

**17. Implementation status:**

a. Are the six minimum control measures being implemented within the compliance schedule and SWQMP timetables?

Yes  No\*

\* If no, submit revised compliance schedule and SWQMP Timetables.

b. Do you foresee any problems which may affect full implementation of all the measures?

Yes    No\*

\* If yes, explain:

As mentioned last year, educating newly elected officials on the Phase II Storm Water Management Program and the importance of implementing all activities; Also, there has been a turnover in senior management at Ashland so education and buy-in from the new leadership will be critical for the success of our programs.

Obtaining funding to start new activities, especially under the illicit discharge detection and elimination program, and continuing to educate staff through attendance at EPA and KDOW sponsored workshops and seminars.

**18. Do you have any impaired streams? If so, impaired for what pollutant?**

Yes, 9 streams are listed on the 2012 Kentucky 303(d) List. These streams include: Big Sandy River 0 to 27.1, East Fork Little Sandy River 16.9 to 26.4, and 27.6 to 30.9, Ellingtons Bear Creek 0 to 1.5, Garner Creek 0 to 1.8, Hurricane Fork 0 to 2.2, Ice Dam Creek 0 to 2.7, Lockwood Creek 2.6 to 3.2, Paddle Creek 0.0 to 1.6, Williams Creek 0 to 2.9.

Impairments include: Biological Indicators of Nutrient/Eutrophication, Sedimentation, Specific Conductance, E. coli, Temperature, Nitrogen, TDS and Biological Indicators of Organic Enrichment.

**19. TMDL – Do you have a TMDL in your MS4? For which stream segments? What is the impairment?**

Yes, 1 stream, East Fork Little Sandy River, Mile 17.0 to Mile 22.8, TMDL was developed in 1992 for dissolved oxygen. Over the years Boyd County Sanitation District has eliminated several package treatment plants and numerous failing septic tanks, with the extension of new sanitary sewers.

Boyd will look at getting this stream delisted.

**20. What can the Division of Water do to assist you with program compliance?**

The quarterly Storm Water Association conferences are a great opportunity to obtain training and share information about MS4s. Our limited funding however has required cut backs on the amount of staff/employees sent to the conferences. We would like to see the KDOW conduct some workshops in the Boyd-Greenup County area in 2016, to allow more staff/employee participation and training.

PART E: CERTIFICATION AND SIGNATURE

► The individual completing this report, listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

*"By signing this annual report, I hereby 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."*

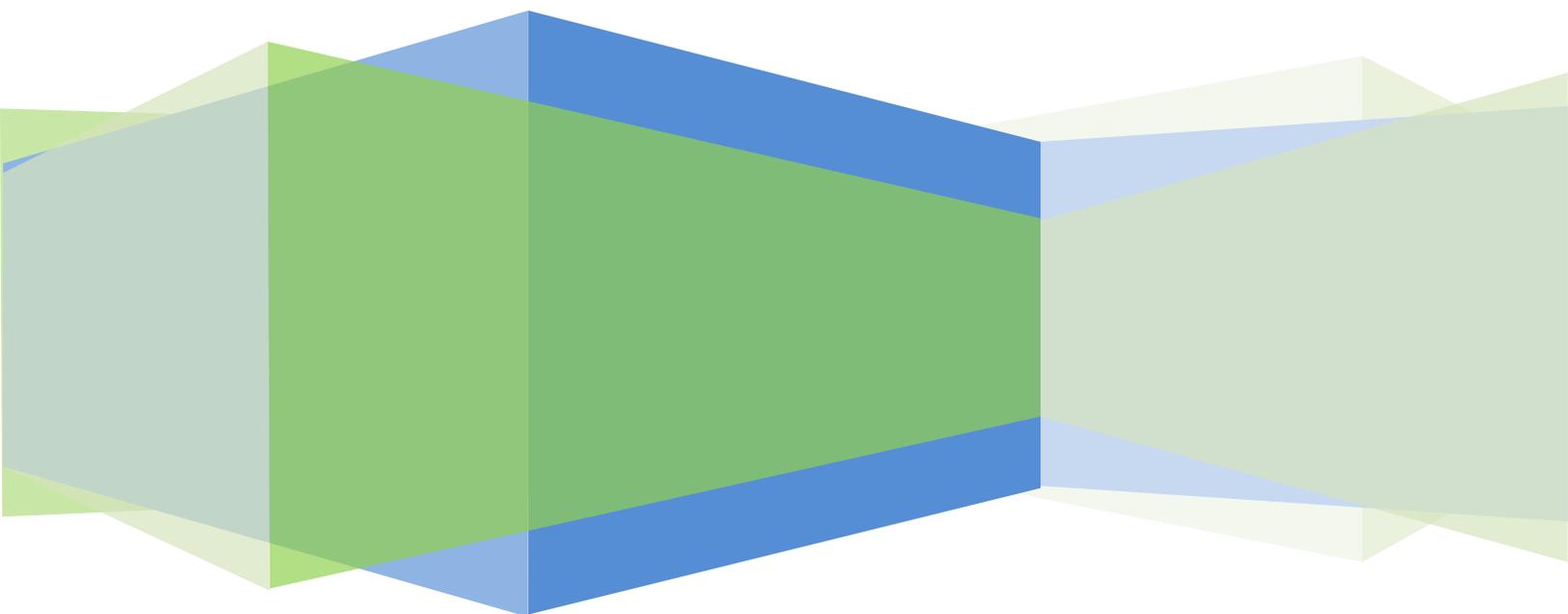
Type or Print Name: Marion Russell

Signature: 

Date: 4/14/16  
(mm/dd/year)

# Appendix “A”

- Public Notices
- Advertisements



# WHAT IS STORMWATER POLLUTION?

The following are pollutants and if discharged to the storm sewer system or creeks are considered illegal discharges. These storm sewers drain into the Big Sandy and Ohio Rivers.

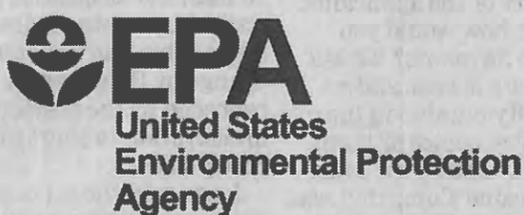
- Motor oil
- Oil filters
- Antifreeze/transmission fluid
- Paint
- Solvent/degreaser
- Cooking grease
- Detergent
- Home improvement waste (concrete, mortar)
- Pet waste
- Yard waste (leaves, grass, mulch)
- Excessive dirt and gravel
- Trash
- Construction debris
- Pesticides and fertilizers
- Other



[www.epa.gov/npdes/stormwater](http://www.epa.gov/npdes/stormwater)

**For more information or to report an illegal discharge of pollutants, please call:**

Marion Russell  
City of Ashland  
606.327.2007 or  
[mrussell@ashlandky.org](mailto:mrussell@ashlandky.org)



Stormwater runoff is precipitation from rain or snowmelt that flows over the ground. As it flows, it can pick up debris, chemicals, dirt, and other pollutants and deposit them into a storm sewer system or waterbody.

Anything that enters a storm sewer system is discharged *untreated* into the waterbodies we use for swimming, fishing, and providing drinking water.

## Remember: Only Rain Down the Drain

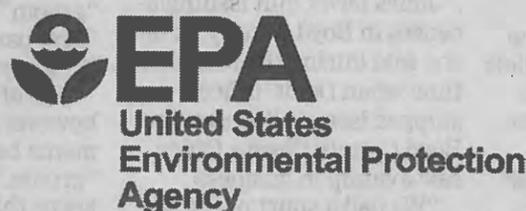
To keep the stormwater leaving your home or workplace clean, follow these simple guidelines:

- ◆ Use pesticides and fertilizers sparingly.
- ◆ Repair auto leaks.
- ◆ Dispose of household hazardous waste, used auto fluids (antifreeze, oil, etc.), and batteries at designated collection or recycling locations.
- ◆ Clean up after your pet.
- ◆ Use a commercial car wash or wash your car on a lawn or other unpaved surface.
- ◆ Sweep up yard debris rather than hosing down areas. Compost or recycle yard waste when possible.
- ◆ Clean paint brushes in a sink, not outdoors. Properly dispose of excess paints through a household hazardous waste collection program.
- ◆ Sweep up and properly dispose of construction debris like concrete and mortar.



**For more information or to report an illegal discharge of pollutants, please call:**

Marion Russell  
City of Ashland  
606.327.2007 or  
[mrussell@ashlandky.org](mailto:mrussell@ashlandky.org)



# Cleanup crews find some gems along river

By **TIM PRESTON**  
*The Independent*

**ASHLAND** Members of Cub Scout Pack 100 held their breath and grimaced Saturday morning as they got a glimpse inside a bag containing three heads during the annual Ohio River Sweep cleanup campaign.

The plastic heads were humanized, and smelled like something that had been left in a black bag on the riverbank in the summer sun, but were otherwise just part of the debris and trash hand-picked from the shores of the Ohio River between rains Saturday morning.

Cub Scouts weren't the only volunteers who discovered unusual treasures near the Port of Ashland.

"I found a whole outfit! Jeans, shirt, underwear," said Ashland Rotary Club member Joanna King as she deposited one of her first bags with organizers at the top of the river bank, noting the wet jeans got particularly heavy dur-



TIM PRESTON/THE INDEPENDENT

**Volunteers with Cub Scout Pack 100 made an unusual discovery near the Port of Ashland Saturday morning during the annual Orsanco Ohio River Sweep.**

ing the walk up.

Supervising the cub scouts, Roy Dillon noted each of the young volunteers is part of a new pack that meets each Monday at 6:30 p.m. at the Kyova Mall. The River Sweep is an excellent way for the young scouts to assist their community as they welcome new members to the group, he said.

## Ohio River Sweep

For more information about the annual Ohio River Sweep, visit [orsanco.org/riversweep](http://orsanco.org/riversweep).

"We encourage the whole family to get involved," Dillon said, noting everyone had been briefed about staying away from the water's edge, and calling an adult before picking up anything sharp.

Scouts "Nick and Nick," Williams and Osborne, worked the river bank as a team and expected to find "garbage mostly" as they scanned the ground for scraps and bits. Asked if they'd discovered anything unusual during last weekend's litter collection at Carter Caves, one simply rolled his eyes and replied, "Yeah. Worms." Upon finding the black bag with the smelly, hair-covered heads inside, however, each seemed to approach the morning's duties with renewed enthusiasm.

Sorting T-shirts and distribut-



TIM PRESTON/THE INDEPENDENT

**Despite rains, volunteers from several area industries, clubs and civic organizations once again turned out to help collect garbage and debris along the river.**

ing trash bags, River Sweep organizer Eric Patton chuckled as he explained the logo on this year's official garment, once again selected from art submitted by area students.

"We had an argument in our office about whether it is a heron

standing on a turtle standing on a log, or if it is a heron standing on a turtle standing on a dead bird," he said with a chuckle, adding he has a great appreciation for the student art. "I've got a full collection of River Sweep shirts for six years."

Daily Independent  
June 21, 2015

# Trees go quickly at annual giveaway

By LANA BELLAMY The Independent | Posted: Saturday, April 25, 2015 11:39 pm

ASHLAND The pecan trees went fast.

By 9:30 a.m. Saturday, a line of more than 200 wound around the Central Park concession stand for the annual Arbor Day tree giveaway hosted by the Central Park tree board.

The event did not officially start until 10 a.m., but Ashland Community and Technical College volunteer organizer Matt Swetnam said either people were anxious to get trees before they ran out, or they were merely trying to beat the inevitable rainy weather.

Shortly after opening, the 200 pecan trees were gone, Swetnam said.

Fortunately, the rain did not begin until about 10:30, but customers diligently continued to file in for tree pickups.

Members of the Ashland Group Home originally came to pick up trees to plant on a hill near its facility that was slipping because of rain and lose dirt slowly eroding off the side.

Director Zach Steele thought that by planting trees, maybe a root system could help hold the dirt together and save the hill.

But as the group approached the giveaway site in the park, a worker mistook them for volunteers.

“They asked if we were there to help and we were just like, sure, why not?” Steele said.

About seven young men joined in to spontaneously volunteer with giving out trees.

“We always tell the boys if you do good, you’ll get good in return,” Steele said, adding he wants the group to start doing random acts of kindness at least once a month as part of the volunteer program.

Steele said Saturday’s quick decision to volunteer at Central Park counts toward this new initiative.



## Tree giveaway

Men from the Ashland Group Home volunteer to give out trees after picking up a few saplings for themselves.

A complete list of trees available at the giveaway included: Black Cherry, Blackgum, Cypress, Green Ash, Kentucky Coffeetree, Eastern Redbud, Roughleaf Dogwood and other species. Collectively, about 12 different types of trees were present.

LANA BELLAMY can be reached at [lbellamy@dailyindependent.com](mailto:lbellamy@dailyindependent.com) or (606) 326-2653. Follow [@lanabellamy\\_DI](https://twitter.com/lanabellamy_DI) on Twitter.

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- [River Facts/Conditions](#)

River Sweep

search...

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**River Sweep**

- [Brochure](#)
- [Frequently Asked Questions](#)
- [Locations/Coordinators](#)
- [More Ohio River Events](#)
- [Photo Gallery](#)
- [Poster Contest](#)
- [Poster Contest Winners](#)
- [Sponsors](#)
- [Statistics](#)
- [Volunteer Waiver](#)
- [Video](#)
- [Media Content for Ohio River Sweep](#)

Ohio River Sweep 2015

**Saturday, June 20, 2015**

Since 1989, this award-winning cleanup for the Ohio River and its tributaries brings thousands of volunteers to the riverbanks to collect tons of trash and debris. River Sweep encompasses the entire length of the river, from its origin in Pittsburgh, PA to its end in Cairo, IL, including nearly 3,000 miles of shoreline and many tributaries.

More than 17,000 volunteers from public organizations, civic groups, recreational clubs, and the general public in six states bordering the river come together to collect more than 500 tons of trash and other debris from the banks of the Ohio River and tributaries.

River Sweep is an event organized by the Ohio River Valley Water Sanitation Commission, an interstate water pollution agency for the Ohio River Valley, along with environmental protection and natural resource agencies from Illinois, Indiana, Ohio, Kentucky, West Virginia, and Pennsylvania.



5735 Kellogg Avenue, Cincinnati, Ohio 45230 : (513) 231-7719 : Fax (513) 231-7761



[http://www.dailyindependent.com/news/cleanup-crews-find-some-gems-along-river/article\\_20921402-17b6-11e5-9524-f3a05e90cfb1.html](http://www.dailyindependent.com/news/cleanup-crews-find-some-gems-along-river/article_20921402-17b6-11e5-9524-f3a05e90cfb1.html)

## Cleanup crews find some gems along river

By TIM PRESTON The Independent Jun 20, 2015

0

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TIM PRESTON can be reached at tpreston@dailyindependent.com or (606) 326-2651.

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## It's a clean sweep

By ADAM BLACK The Independent Mar 30, 2015



Chunks of ice swirl along the bank of the Ohio River at Vanceburg in February. KEVIN GOLDY / THE INDEPENDENT

0

**ASHLAND** Some take the Ohio River for granted, but not Kelly Ward. He sees the river as a valuable community resource.

Ward, who has served as River Sweep coordinator for several years, looks at the future of the river and the progress made in keeping it clean.

“When we first started, we were pulling out kitchen appliances and tires,” Ward said about the annual project.

River Sweep is an annual riverbank cleanup of the Ohio and its tributaries. The project encompasses the length of the river, from its origin in Pittsburgh to its end in Cairo, Ill., including 3,000 miles of shoreline and many tributaries. The river flows through or borders six states and supplies water to more than 3 million, Ward explained.

The sweep was organized in 1989 by the Ohio River Valley Water Sanitation Commission.

Ashland Inc. became the first corporate sponsor of the River Sweep and actively encouraged its employees to participate. With the full support of their employer, dozens of teams of Ashland Inc. employees gave a few hours of the third Saturday of each June to pick up trash along the river.

“People should take great pride in keeping our waterways clean,” Ward said.

The river is not just important for humans, but for the wildlife that lives in or near it, including more than 100 species of fish.

Last year, the sweep attracted more than 200 volunteers at six locations Ward coordinates. Sites this year are the Ashland riverfront, Catlettsburg City Park, the Russell riverbank along Riverside Drive, Greenup City Park, Worthington City Park and South Shore’s former boat landing. Each participant will be greeted by an on-site supervisor who will distribute garbage bags and a free T-shirt. Ward does ask that volunteers bring their own gloves to wear during the cleanup process.

“We have had zero problems the 13 years I have been coordinator,” he said. “We are hoping for a bigger (sweep) turnout this year and for more groups like Scouts and churches to get involved.”

Ward said he has seen a vast improvement in recent years, but said there will always be a need for the river sweep. He explained a lot of debris and garbage sometimes isn’t even from this area and that it floats down from other locations.

This year’s event is slated for June 20, with various times at locations. Anyone can

participate, and volunteers do not have to stay the whole time. Ward asks parents to supervise small children for safety's sake.

"If you can only come and help for 15 minutes, that's great," he said.

Ward is also hoping boaters and kayakers will get onboard for the project.

"Our people on land can't get to (some of the debris), and it would be really neat to look out there and see them," he said.

For more information about this year's sweep, call Ward at (606) 929-1366.

ADAM BLACK can be reached at [ablack@dailyindependent.com](mailto:ablack@dailyindependent.com) or (606)-326-2654.

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### This Week's Circulars



HOVER FOR CIRCULAR



HOVER FOR CIRCULAR



HOVER FOR CIRCULAR





[http://www.dailyindependent.com/news/local\\_news/volunteers-needed-for-annual-river-sweep/article\\_f3f7e2f6-0f1c-11e5-907d-c3c6a5b03f41.html](http://www.dailyindependent.com/news/local_news/volunteers-needed-for-annual-river-sweep/article_f3f7e2f6-0f1c-11e5-907d-c3c6a5b03f41.html)

## Volunteers needed for annual river sweep

By ADAM BLACK The Independent Jun 9, 2015

0

**ASHLAND** — Plastic garage bags will be handed out and volunteers will be walking the shore lines of the Ohio River on June 20 for the annual River Sweep.

“When we first started, we were pulling out kitchen appliances and tires,” Ward said about the annual project.

The River Sweep is an annual riverbank cleanup of the Ohio and its tributaries. The project encompasses the length of the river, from its origin in Pittsburgh to its end in Cairo, Ill., including 3,000 miles of shoreline and many tributaries. The river flows through or borders six states, and supplies water to more than 3 million, Ward explained.

The sweep was organized in 1989 by the Ohio River Valley Water Sanitation Commission and has been growing ever since.

“People should take great pride in keeping our waterways clean,” Ward said.

Last year, the Sweep attracted more than 200 volunteers at six locations Ward coordinates. Sites this year are the Ashland riverfront, Catlettsburg City Park, the Russell riverbank along Riverside Drive, Greenup City Park, Worthington City Park and South Shore’s former boat landing. Each participant will be greeted by an on-site supervisor who will distribute garbage bags and a free T-shirt. Ward does ask that volunteers bring their own gloves to wear during the cleanup process.

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“If you can only come and help for 15 minutes, that's great,” he said.

Ward is also hoping boaters and kayakers will get onboard for the project.

“Our people on land can't get to some of the debris, and it would be really neat to look out there and see them,” he said.

Times for The River Sweep sites in Boyd County start at 8:30 a.m. and end at noon. Sites in Greenup County will begin at 9 a.m. until noon.

ADAM BLACK can be reached at [ablack@dailyindependent.com](mailto:ablack@dailyindependent.com) or (606) 326-2654

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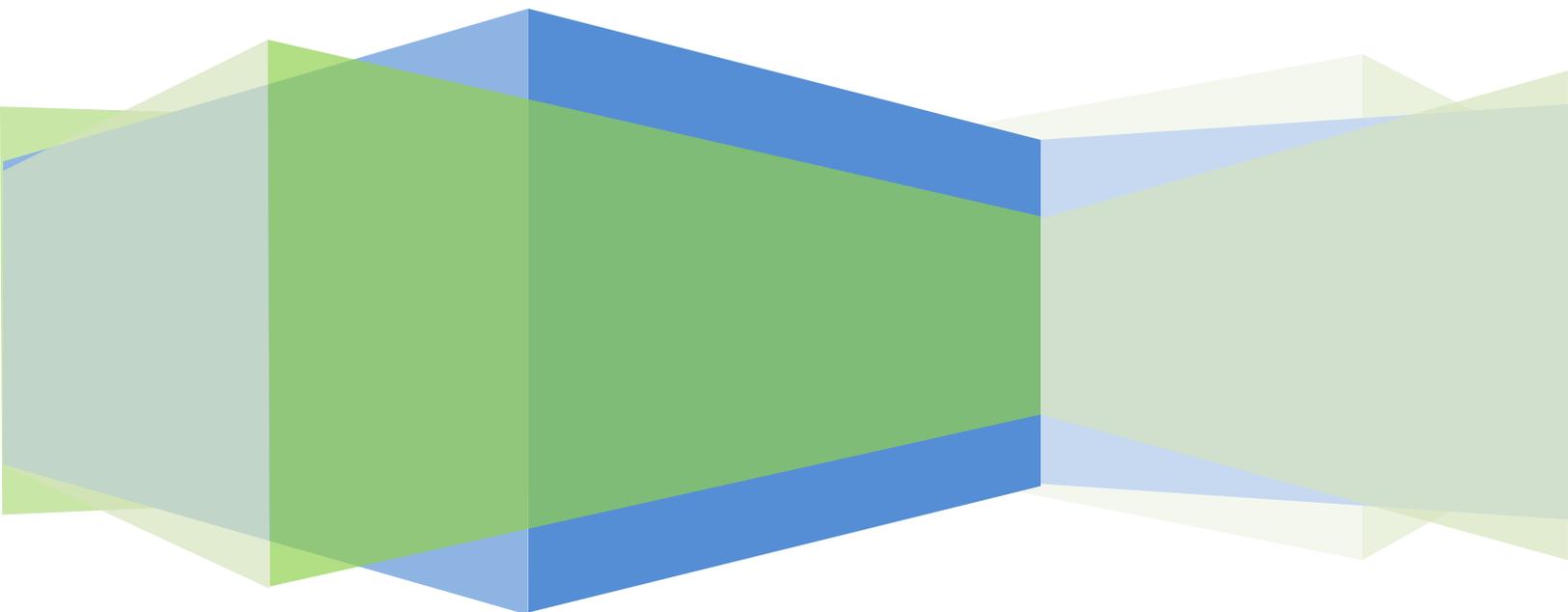
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# Appendix “B”

## Public Involvement and Participation Information and Photos

- Spring and Fall Cleanup Days
- Ashland Tree Board Plant a Tree  
Outing
- Charles and Betty Russell Hiking Trails



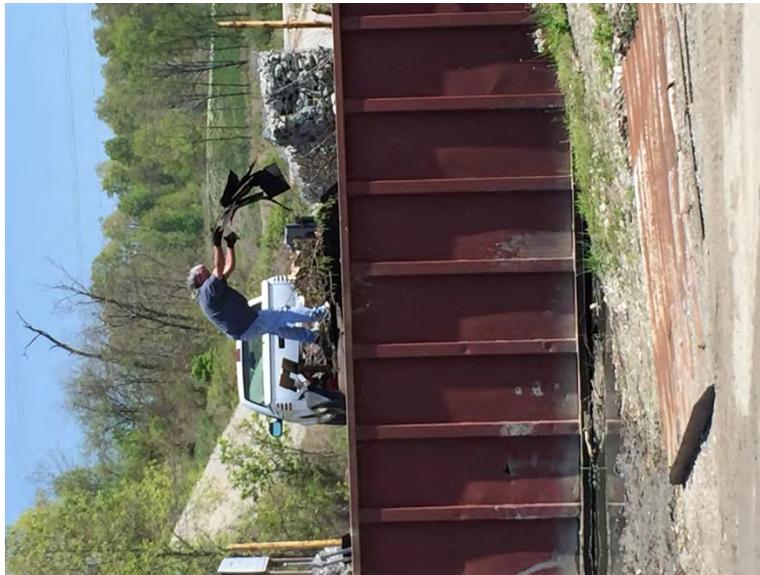


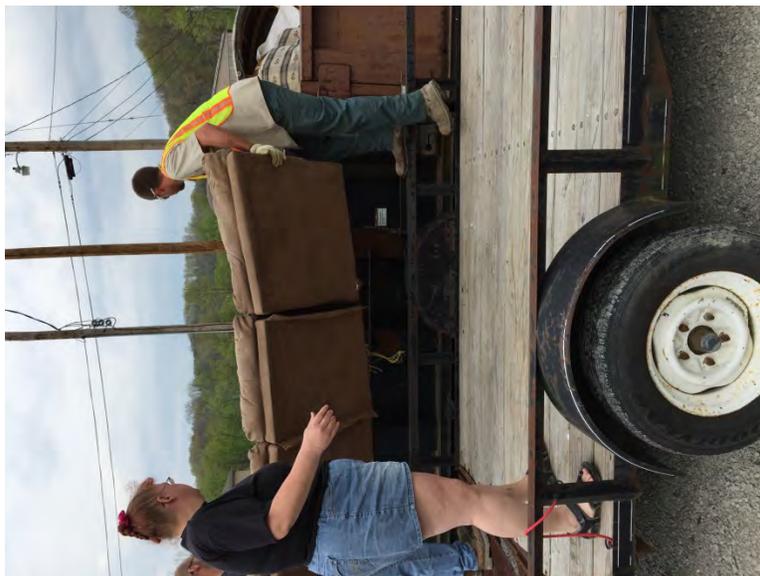
April 30th, May  
1st & 2nd 2015

# Spring Cleanup





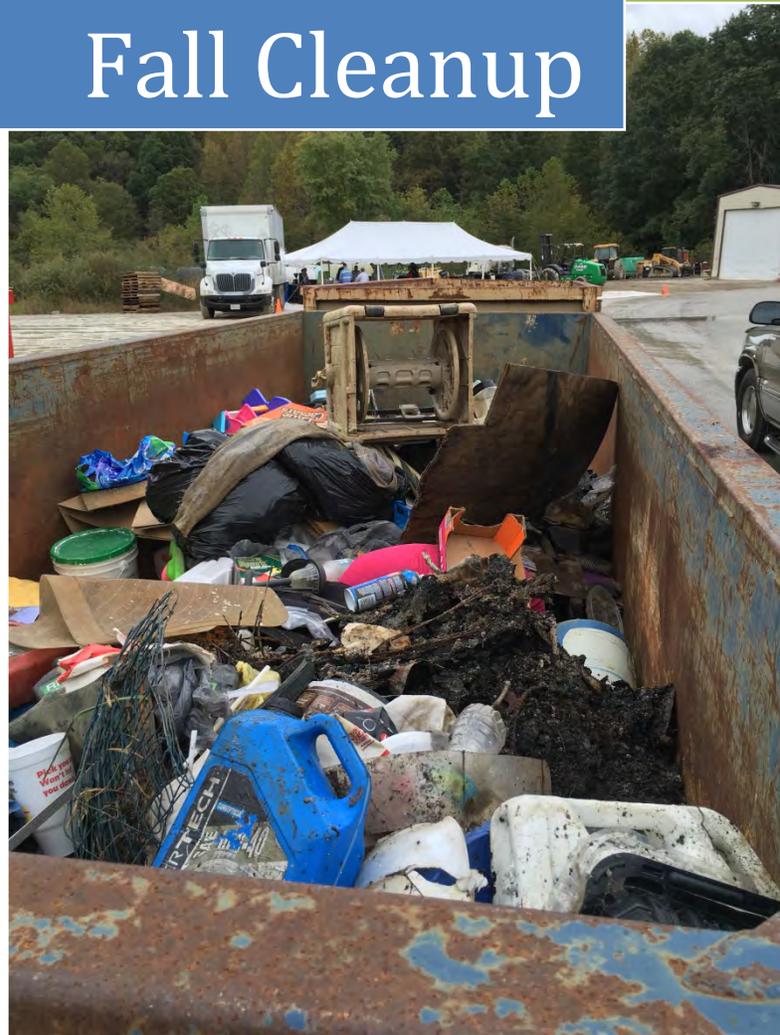


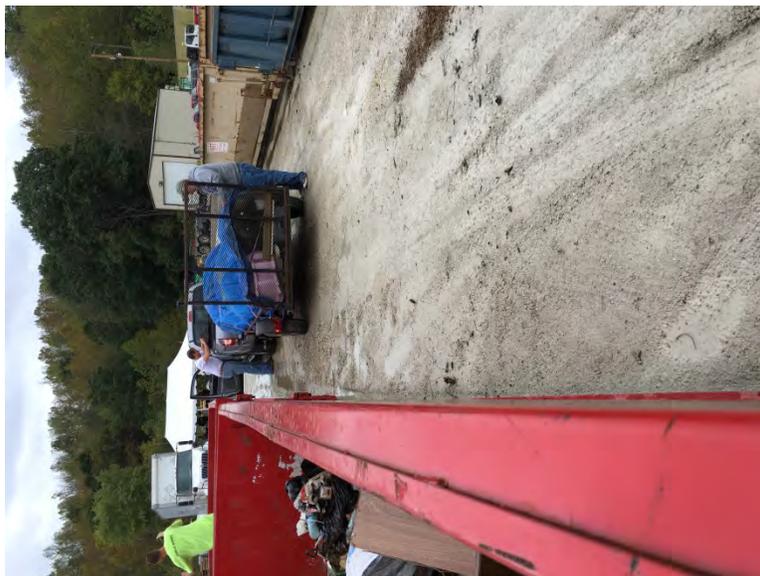




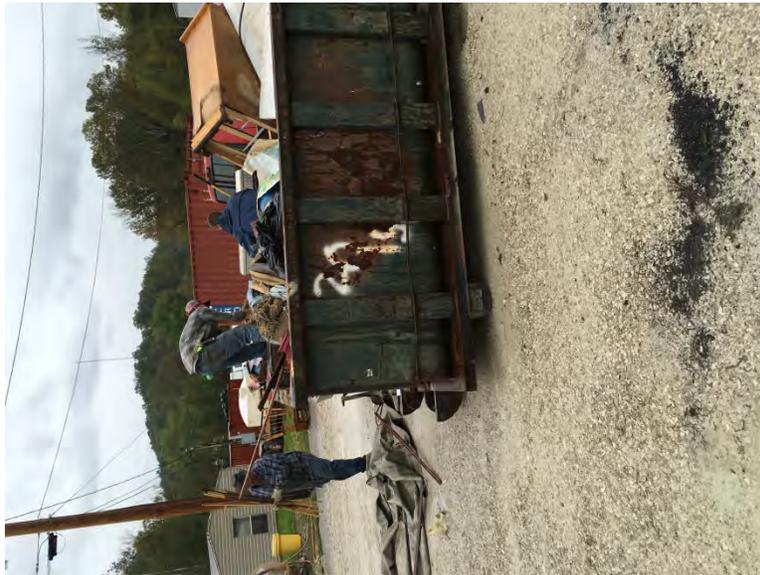
October 2nd &  
3rd 2015

# Fall Cleanup





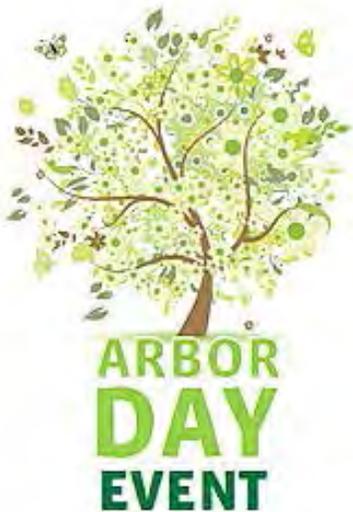






April 25, 2015

# Ashland Tree Board Plant a Tree Outing



Ashland

# 2015 APPLICATION INFORMATION

**Status : Pending state coordinator approval**

**Community Name:**Ashland

**Community Website:** www.ashlandky.org

**Mayor or Equivalent:** City Forestry Contact: Portal Login Contact:

Chuck D. Charles

Amber Berry

Amber Berry

P.O. Box 1839

P.O. Box 1839

P.O Box 1839

Ashland , KY 41105

Ashland, KY 41105

Ashland, KY 41105

606-327-2046

606-327-2046

aberry@ashlandky.org

aberry@ashlandky.org

## *Standard 1 - A Tree Board or Department*

**Community Type:** Community has a Tree Board only

**Frequency of Meetings:** Monthly

**Chairperson:**

Carrie Stambaugh

1000 Shawnee Ave.

Ashland, KY 41102

**Tree Board Members:**

Jeff Tarbox

Beverly Sparks

Deborah Wilson

**Dept. Chair/City Manager:**

## *Standard 2 - A Community Tree Ordinance*

**Date ordinance established:** 3/1/1999

**Ordinance verified:** Ordinance has been verified

*Standard 3 - A Community Forestry Program with an Annual Budget of at least \$2 Per Capita*

**Community population:** 22000

**Tree Planting and Initial Care:** \$10,551.00

**Tree Maintenance:** \$45,332.35

**Tree Removals:** \$43,595.10

**Management:** \$4,300.00

**Utility Line Clearance:** \$0.00

**Volunteer Time:** \$5,884.10

**Other:** \$0.00

**Other description:**

**Total community forestry expenditure:** \$109,662.55

**Per Capita:** \$4.98

**Trees Planted:** 28

**Trees Pruned:** 33

**Trees Removed:** 68

*Standard 4 - An Arbor Day Observance and Proclamation*

**Date observance was held:**4/25/2015

Proclamation and Supplemental Documentation have been uploaded.

*Signature Form*

Signature form is complete

Print this page

# Tree City USA

## 2015 Application for Certification



The Tree City USA award is in recognition of work completed by the community during the 2015 calendar year.

### As Mayor or Equivalent of the Community of Ashland

I herewith make application for this community to be officially certified/recertified as a Tree City USA for 2015, having achieved the standards set forth by the Arbor Day Foundation as noted below.

**Standard 1: A Tree Board or Department**

Community has a Tree Board only

Tree Board Chair

Carrie Stambaugh Tree Board Chairperson 606-369-2635 carriestambaugh@gmail.com

**Standard 2: A Community Tree Ordinance**

✓ Our community ordinance is on record

**Standard 3: A Community Forestry Program with an Annual Budget of at Least \$2 Per Capita**

Total Community Forestry Expenditures \$109662.55

Community Population 22000

Per Capita Spending \$4.98

**Standard 4: An Arbor Day Observance and Proclamation**

✓ Official Arbor Day proclamation is on record

  
Mayor or Equivalent Signature

City Manager  
Title

1/16/16  
Date

### Application Certification

To Be Completed By The State Forester:

**Ashland**

The above named community has made formal application to this office. I am pleased to advise you that we reviewed the application and have concluded that, based on the information contained herein, said community is eligible to be certified as a Tree City USA community, for the 2015 calendar year, having in my opinion met the four standards required for recognition.

State Forester Signature

Title

Date



Print this page

**PROCLAMATION BY  
CHUCK D. CHARLES, MAYOR  
CITY OF ASHLAND, KENTUCKY**

\*\*\*\*\*

**WHEREAS;** In 1872 J. Sterling Morton proposed to the Nebraska Board of Agriculture that a special day be set aside for the planting of trees; and

**WHEREAS;** this holiday, called Arbor Day, was first observed with the planting of more than a million trees in Nebraska; and

**WHEREAS;** Arbor Day is now observed throughout the nation and the world; and

**WHEREAS;** trees can reduce the erosion of our precious topsoil by wind and water, cut heating and cooling costs, moderate the temperature, clean the air, produce oxygen, and provide habitat for wildlife; and

**WHEREAS;** trees are a renewable resource giving us paper, wood for our homes, fuel for our fires and countless other wood products; and

**WHEREAS,** trees in our city increase property values, enhance the economic vitality of business areas, and beautify our community; and

**WHEREAS,** trees, wherever they are planted, are a source of joy and spiritual renewal; and

**WHEREAS,** Ashland has been recognized as a Tree City USA by the National Arbor Day Foundation and desires to continue its tree-planting ways.

**NOW THEREFORE,** I, Chuck D. Charles, Mayor of the City of Ashland, Kentucky, do hereby proclaim Saturday, April 25, 2015 as

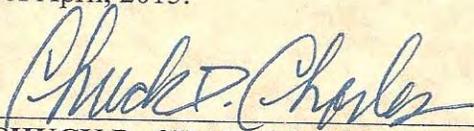
**“ARBOR DAY”**

in the City of Ashland, and urge all citizens to support efforts to care for our trees and woodlands and support our city’s community forestry program.

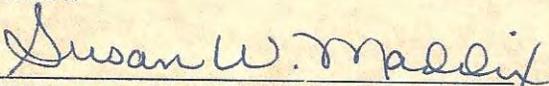
**FURTHER,** I urge all citizens to plant trees to gladden the hearts and promote the well-being of present and future generations.

**IN WITNESS WHEREOF,** I have hereunto set my hand and caused the seal of the City of Ashland, Kentucky to be affixed this 15<sup>th</sup> day of April, 2015.



  
\_\_\_\_\_  
CHUCK D. CHARLES, MAYOR

Attest:

  
\_\_\_\_\_  
SUSAN W. MADDIX, CITY CLERK

## CITY OF ASHLAND

### 2015 TREE RELATED EXPENDITURES

<b>TREE PURCHASES:</b>		<b>\$2,874.91</b>
Seedlings:	1,584.91	
Trees:	1290.00	
<b>MULCH:</b>		<b>4,177.60</b>
<b>TREE MAINTENANCE:</b>		<b>72,015.09</b>
	(Parks and Streets combined tree maintenance costs are included in this amount. This covers storm damage. tree removal, stump grinding and deadwood)	
<b>EMPLOYEE LABOR:</b>		<b>32,062.50</b>
	(Planting, mulching, leaf mulching, watering and cleanup) (2250 hours @ \$14.25 per hour, includes all city divisions)	
<b>TOTAL TREE RELATED EXPENDITURES:</b>		<b>\$111,130.10</b>



Division of Forestry  
Energy and Environment Cabinet  
Department of Natural Resources  
Frankfort, KY 40601



## SALES RECEIPT

Order No: 6978

Order Date: 12/30/2014

CR No:

Print Date: 12/30/2014

Sold To: Marion Russell  
City of Ashland  
Maintenance Office  
Central Park  
Ashland, KY 41105

Payment Method: Credit Card

Specie	Quantity	Full Price
Black Cherry	300	\$120.00
Blackgum	300	\$120.00
Cypress	200	\$80.00
Green Ash	200	\$80.00
Kentucky Coffeetree	300	\$120.00
Pecan	200	\$80.00
Eastern Redbud	700	\$280.00
Roughleaf Dogwood	700	\$280.00
Red Shumard Oak	300	\$120.00
White Pine (2yr)	500	\$200.00
Washington Hawthorn	300	\$120.00
Willow Oak	200	\$80.00

Total Price \$1,680.00

Tax Exempt Adjustment (\$95.09)

Order Total 4,200 \$1,584.91

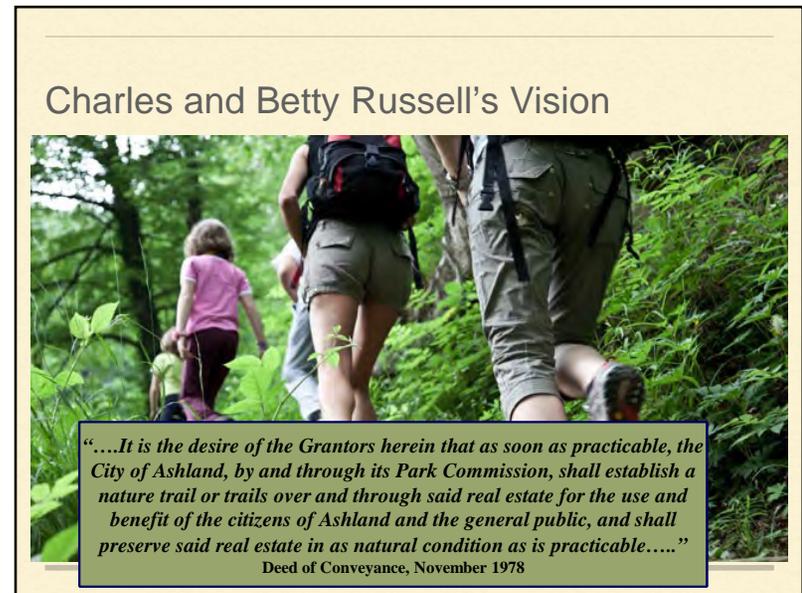
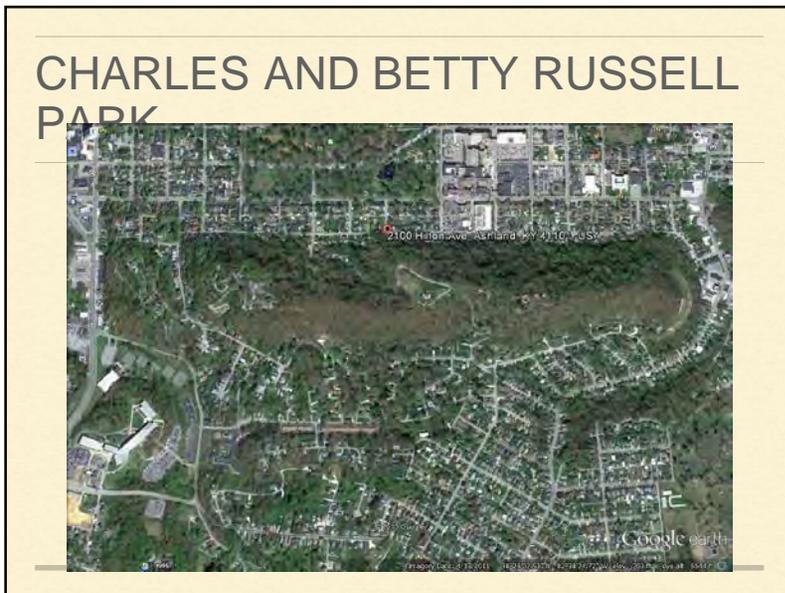
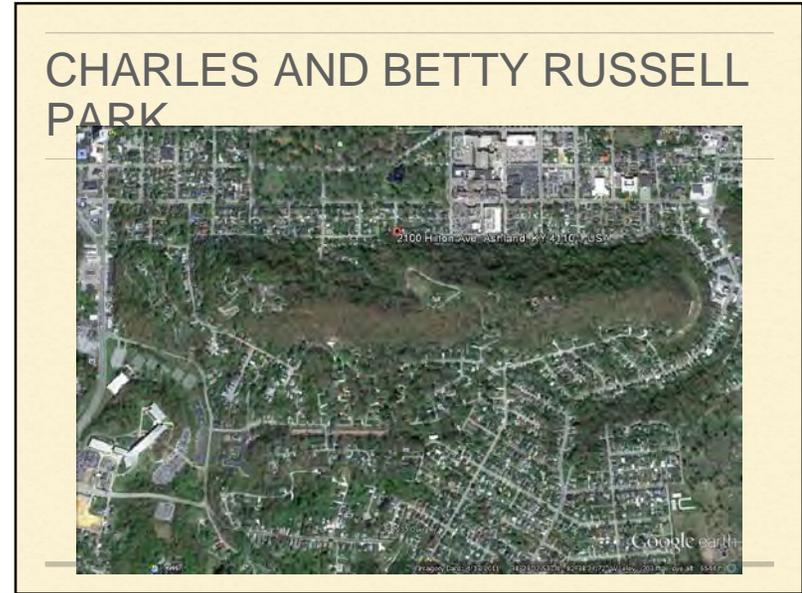
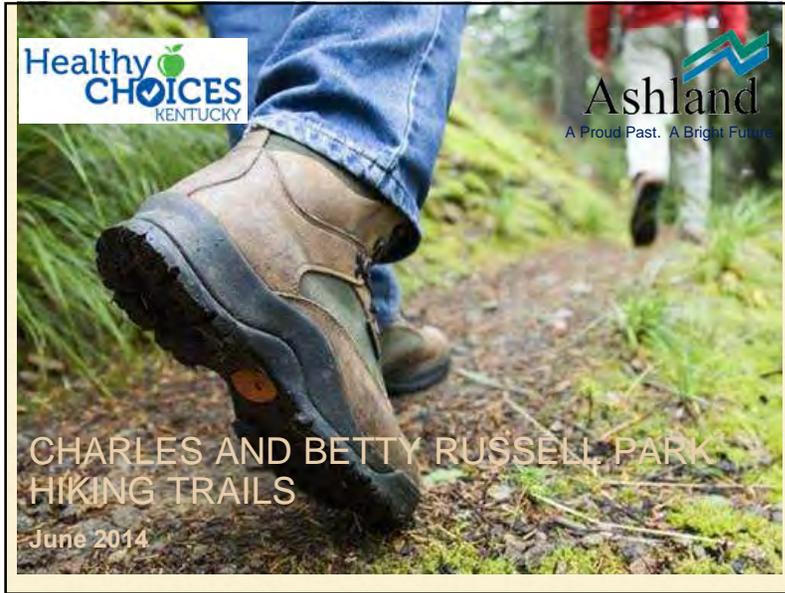












### Charles and Betty Russell's Vision

*"....It is the desire of the Grantors herein that as soon as practicable, the City of Ashland, by and through its Park Commission, shall establish a nature trail or trails over and through said real estate for the use and benefit of the citizens of Ashland and the general public, and shall preserve said real estate in as natural condition as is practicable....."*

Deed of Conveyance, November 1978

# HIKING THE PARK



# REGIONAL SERVICE PROJECT



# PHASE I HIKING TRAILS



# CALENDAR OF EVENTS

- ▶ June 7<sup>th</sup>, 2014, 9:00AM: First "Community Build" Day
- ▶ June 14<sup>th</sup>, 2014 9:00AM: Second "Community Build" Day
- ▶ June 21<sup>st</sup>, 2014, 9:00AM: Third "Community Build" Day
- ▶ July 12, 2014, 9:00AM: Fourth "Community Build" Day
- ▶ July 26, 2014 9:00 AM, Fifth "Community Build Day
- ▶ October 3, 2014, Grand Opening

### COMMUNITY BUILD DAY

#### Day 1

- > Entire trail will be divided into 10 sections
- > Each civic group will be assigned a section of trail to clear.
- > Volunteers not belonging to a civic group will be assigned to a civic group.
- > Volunteers not belonging to a civic group will be assigned to a civic group.
- > Instructions will be provided by city staff on the morning of the Community Build Day on how to clear the trail bed and trail way.



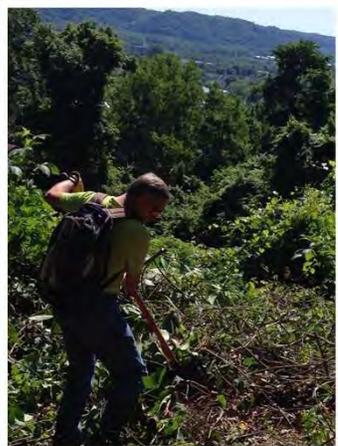
### WHAT TO BRING

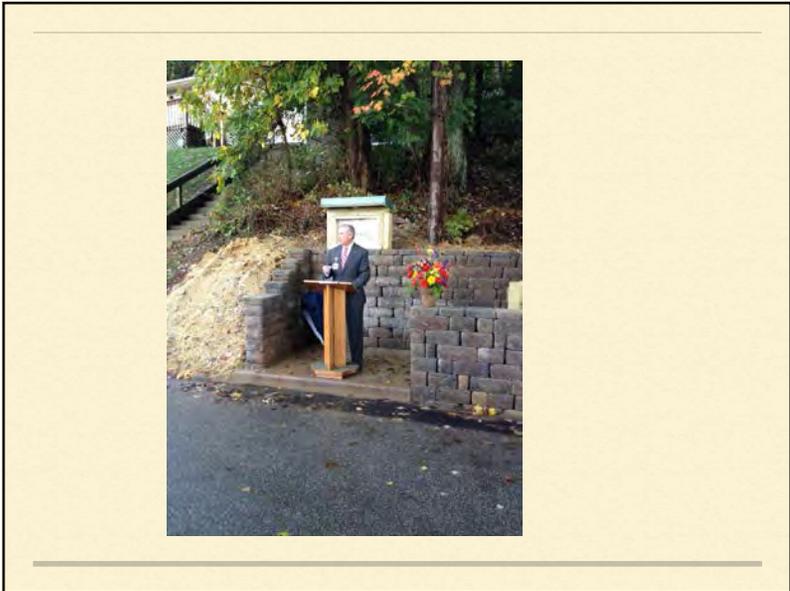
- ♦ Gloves
- ♦ Safety Glasses
- ♦ Protective Apparel
- ♦ Shovels
- ♦ Rakes
- ♦ Hoes
- ♦ Garbage Bags
- ♦ Clippers

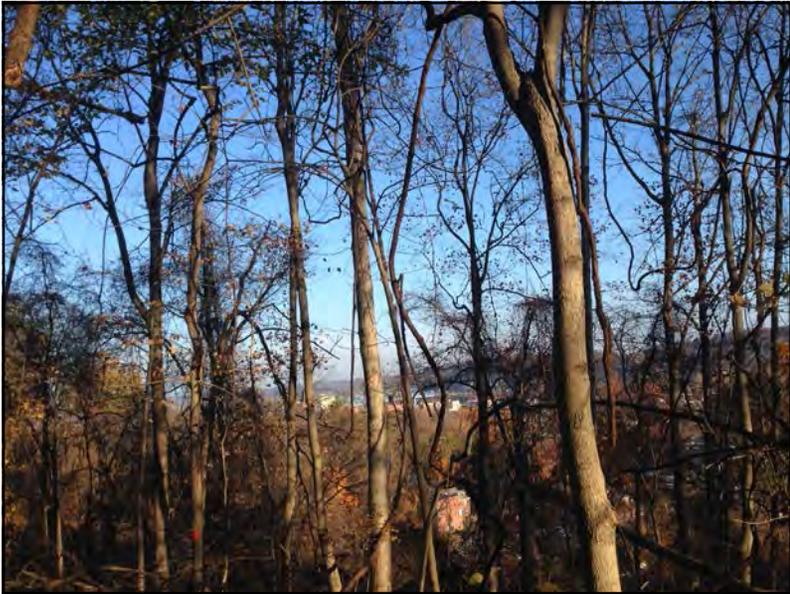


String Trimmers

### FIRST COMMUNITY BUILD



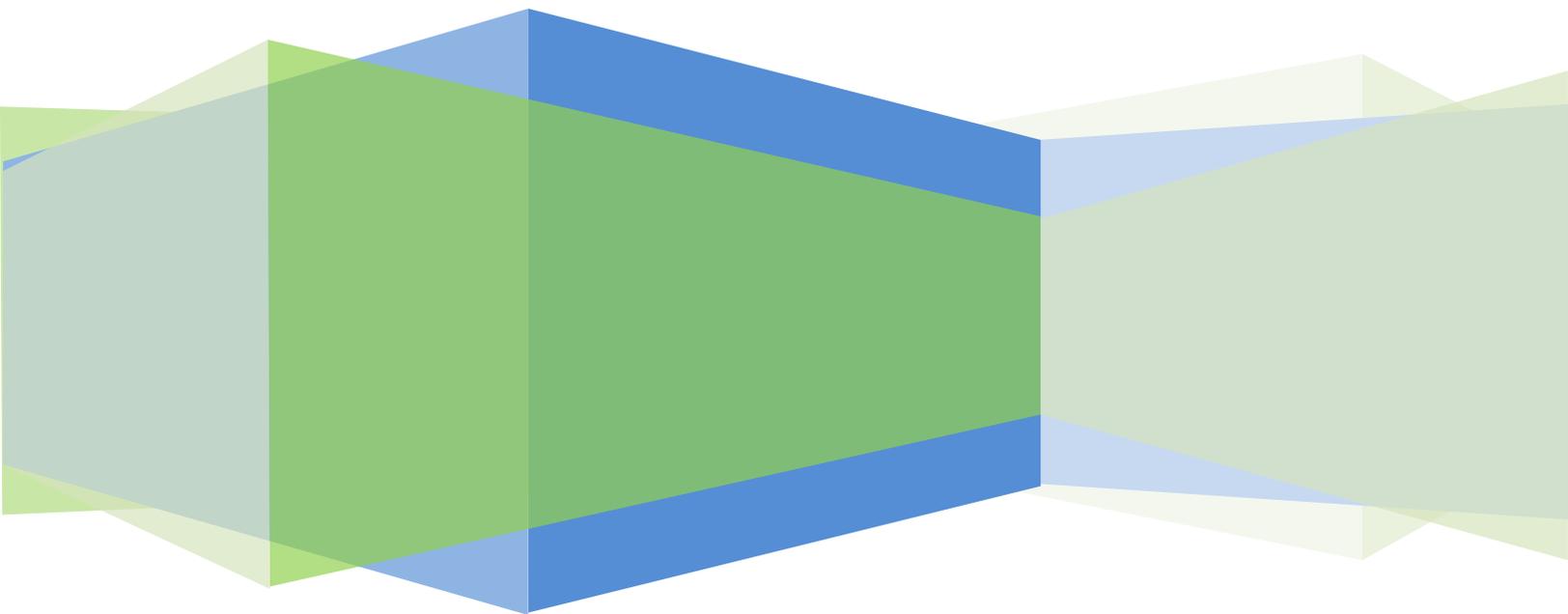




# Appendix “C”

## Long Term Control Plan

- Consent Judgment Annual Report



Professional

Engineering

Services

Consent  
Judgment  
Annual Report  
2015

Report

City of Ashland, KY

February 2016





**Strand Associates, Inc.®**  
Waterfront Plaza  
325 West Main Street, Suite 710  
Louisville, KY 40202  
(P) 502-583-7020  
(F) 502-583-7026

February 26, 2016

Mr. Jeffery Cummins, Director  
Kentucky Department of Environmental Protection  
Division of Enforcement  
300 Fair Oaks Lane  
Frankfort, KY 40601

Re: Ashland Consent Judgment  
Paragraph 21–2015 Annual Report  
City of Ashland 2015 Annual Report

Dear Mr. Cummins:

On behalf of the City of Ashland, please find enclosed four final copies of the City of Ashland's 2015 Annual Report as required by Paragraph 21 of the Consent Judgment.

Please advise if you have any questions or concerns.

Sincerely,

STRAND ASSOCIATES, INC.®

A handwritten signature in red ink, appearing to read 'Joseph K. Okyere', is written over a horizontal line.

Joseph K. Okyere, P.E.

Enclosure: Report

c: Ryan S. Eastwood, P.E., LEED® AP

Report for  
**City of Ashland, Kentucky**

---

Consent Judgment Annual Report 2015

Prepared by:

STRAND ASSOCIATES, INC.®  
325 West Main Street, Suite 710  
Louisville, KY 40202  
[www.strand.com](http://www.strand.com)

February 2016



**CERTIFICATION  
2015 ANNUAL REPORT**

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 such 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.



\_\_\_\_\_  
Ryan Eastwood, Director of Engineering and Utilities



\_\_\_\_\_  
Date

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**SECTION 1**  
**INTRODUCTION AND BACKGROUND**

---

## 1.01 INTRODUCTION

The City of Ashland (City) has entered into a Consent Judgment with the Energy and Environment Cabinet (EEC) formerly known as the Environmental and Public Protection Cabinet. The Consent Judgment was signed by the Franklin Circuit Court Division II, Judge Thomas Wingate, and entered as Civil Action No. 07-CI-1256 on September 5, 2007. The Consent Judgment addresses the operation of the wastewater collection system owned by the City and is founded on the EEC's duty to enforce the federal Clean Water Act.

The City initiated development of its combined sewer operational plan (CSOP) in 1995. The CSOP has been submitted annually to the Commonwealth of Kentucky. This Annual Report is intended to meet the Consent Judgment requirement for Annual Reporting and the Kentucky Pollution Discharge Elimination System (KPDES) Permit No. KY022373 requirement for the annual CSOP update.

This document is the Annual Report submitted in accordance with Paragraph CJ-21 of the Consent Judgment. Sections 2 through 7 correspond to Paragraphs CJ-21A through CJ-21F, respectively. Section 8 summarizes information from the CSOP required by the KPDES Permit.

The completion and submittal of this annual report is also intended to fulfill Paragraphs 17 (sanitary sewer overflow [SSO] data) and 18 (combined sewer overflow [CSO] data) of the Administrative Order issued on December 21, 2007, by the United States Environmental Protection Agency (USEPA).

Reporting requirements include the following items:

- A. Progress on the development and implementation of programs including Capacity, Management, Operation and Maintenance (CMOM), nine minimum controls (NMC) for CSOs, a sanitary sewer overflow plan (SSOP), a sewer overflow response protocol (SORP), a CSOP, and a long-term control plan (LTCP).
- B. Schedules and costs for capital improvement projects.
- C. Schedules for study and planning activities.
- D. Documentation of SSOs, wet weather CSOs, and dry weather CSOs.

This Annual Report is compiled for calendar year 2015.

## 1.02 SUMMARY OF PERMIT

The City operates a combined sewer system (CSS) along with a wastewater treatment plant (WWTP). The City also receives wastewater into its collection system from two satellite sewer systems. The receiving water for the facility is the Ohio River at mile point 659.7.

Details of the wastewater discharge permit are shown in Table 1.02-1.

Name	Ashland WWTP
NPDES Number	KY0022373
Receiving Water	Ohio River
Mile Point	659.7
Permit Effective	May 1, 2002
Permit Expiration Date	April 30, 2006
Comment	Under administrative extension <sup>1</sup>

<sup>1</sup>Draft Permit was published for public comment in January 2013.

**Table 1.02-1 WWTP Permit**

The current KPDES KY0022373 permit became effective May 1, 2002, and expired on April 30, 2006. The WWTP is currently discharging under an administrative extension of the 2002 permit. According to the permit, the City has nine registered outfall points, as shown in Table 1.02-2.

Outfall No.	Location	Latitude	Longitude	Receiving Water
001	WWTP			Ohio River
002	26th Street	38°28'22"	82°37'30"	Ohio River
004	37th Street	38°27'45"	82°36'37"	Ohio River
006	34th Street	38°28'01"	82°37'01"	Ohio River
008	18th Street	38°28'44"	82°38'09"	Ohio River
009	15th Street	38°28'50"	82°38'09"	Ohio River
010	10th Street	38°28'59"	82°38'43"	Ohio River
012	6th Street	38°28'54"	82°39'10"	Ohio River via Long Run
014	Roberts Drive	38°28'39"	82°39'46"	Ohio River via Hoods Creek

**Table 1.02-2 KPDES Permitted Outfalls**

### 1.03 DEFINITIONS

- City City of Ashland
- CMOM Capacity, Management, Operation and Maintenance
- CSO combined sewer overflow
- CSOP combined sewer operational plan
- CSS combined sewer system
- EAP Early Action Plan
- EEC Energy and Environment Cabinet
- FT feet
- hp horsepower
- KDOW Kentucky Division of Water
- KPDES Kentucky Pollution Discharge Elimination System

LF	linear feet
LTCP	long-term control plan
NMC	nine minimum controls
O&M	operations and maintenance manual
S&F	solids and floatables
SCADA	supervisory control and data acquisition
SORP	sewer overflow response protocol
SSO	sanitary sewer overflow
SSOP	sanitary sewer overflow plan
SUO	sewer use ordinance
USEPA	United States Environmental Protection Agency
WWTP	wastewater treatment plant

**SECTION 2**  
**CONSENT JUDGMENT ACTIVITIES**

---

This section describes the scope, schedule, and status of Consent Judgment items during the reporting period of January 1 through December 31, 2015.

## **2.01 STATUS UPDATE OF THE CONSENT JUDGMENT**

Paragraph CJ-21A specifies the Annual Report shall include a status update of the requirements of the Consent Judgment. This is accomplished in the form of a Gantt chart in Table 2.01-1. One requirement involved submittal of an Annual Report for 2015 (CJ-21) during the 2016 calendar year.

The City submitted the Final LTCP to EEC for approval in 2011. The City received comments from the Kentucky Division of Water (KDOW) on January 31, 2013. The City addressed the KDOW and USEPA comments and submitted the revisions to the Final LTCP to KDOW on August 1, 2013, and June 15, 2015. The Final LTCP, dated May 2015, was approved on September 8, 2015, as a material amendment to the Consent Judgment.

The City has met all Consent Judgment deadlines for 2015 and other activities are on schedule.

## **2.02 REPORTABLE OVERFLOW AND VOLUME ESTIMATES**

Paragraph CJ-15D requests documentation of all reportable overflows during the current reporting period. Overflows for the reporting period of 2015 are tabulated in Section 3.

The City installed permanent flow meters on all its CSO outfalls in December 2009 and three rain gauges at strategic locations within the CSS. These meters and rain gauges generate overflow data (duration and volume) and rainfall details that are then populated into tables. Overflow occurrences continue to receive visual observation.

## **2.03 EARLY ACTION PLAN ITEMS**

### **A. NMC Compliance**

According to Paragraph CJ-16A under the Early Action Plan (EAP) items, documentation for compliance with the NMCs has been developed.

The NMC report was submitted by the 12-month deadline from the date of the Consent Judgment, which was September 5, 2008. The City received comments on its NMC Program on September 7, 2009. A response was sent to KDOW on November 18, 2009. The NMC compliance document was approved by KDOW on April 23, 2010.

Further details of ongoing NMC activities can be found in Section 8 of this report.

### **B. Capital Improvements Projects Prior to Current Reporting Period**

The EAP includes Paragraph CJ-16B.1 for reporting capital improvement projects. Completed projects are included to demonstrate the City's efforts to address compliance.

TABLE 2.01-1

REQUIREMENTS OF CONSENT JUDGMENT (FOR ITEM 21-A)

Consent Judgment Paragraph	Item	Status	Comment	2015													
				January	February	March	April	May	June	July	August	September	October	November	December		
14	Map of Sewer System	Complete	Documented in 2007 annual report.														
15-a	Sewer Use Ordinance (SUO)—submittal	Complete	Documented in 2007 annual report.														
15-b	SUO—resubmittal	Not Required	Documented in 2007 annual report.														
15-c	SUO—adopt and notify customers	Not Required	Documented in 2007 annual report.														
15-d	Report overflow events	Implemented	Installed CSO outfall flow meters.														
16-a	EAP—Compliance with NMC	Complete	Submitted September 5, 2009; revised November 2009; received KDOW approval on April 23, 2010.														
16-b	EAP—Capital Improvements Project List																
16-b.1	List projects completed by January 1, 2007	Complete	Documented in 2007 annual report.														
16-b.2	List projects to be initiated before implementation of LTCP	Complete	Documented in 2007 annual report.														
16-c	EAP—CMOM Programs Self-Assessment	Complete	Submitted June 5, 2008; revised August 2009; awaiting approval.														
16-d	SORP	Complete	Submitted June 5, 2008; KDOW comments received July 1, 2008. Revised report submitted on September 5, 2008; received KDOW approval on September 22, 2009. Updated in 2013 and submitted as part of 2012 Annual Report.														
17, 18	SSOP	Not required															
19	Review of SSOP by KDOW	Not applicable															
20-a	LTCP: Interim	Complete	Submitted September 5, 2008; revised November 2009; received KDOW approval on October 21, 2010.														
20-b	LTCP: Final	Complete	Submitted October 20, 2011; Received KDOW and USEPA comments on January 31, 2013 and January 2015. Revised reports submitted on August 1, 2013, and June 15, 2015. Approved September 2015.														

**LEGEND**

-  Submittal from Ashland.
-  Approval by EEC.
-  From previous year or continue to following year.
-  Comments from EEC received; resubmittal required.
-  Completion of project or activity.

The various capital improvement projects completed as of January 1, 2015, are divided into the following five categories:

1. Separation of storm drains from sanitary sewers.
2. Replacement of sanitary sewers.
3. Installation of new sanitary sewers.
4. Installation of pumping station improvements.
5. Installation of other sewer system improvements.

Table 2.03-1 includes all projects listed in Exhibit 1 of the Consent Judgment.

C. Capital Improvements Projects Before Implementation of LTCP

Paragraph CJ-16B.2 is also a part of the EAP. This item requests a list of priority projects that are understood as system improvements and should be completed before the implementation of the LTCP. Future projects are based on the City's assessment of needs but are subject to annual budget approvals.

Items on the current list were included in Exhibit 2 of the Consent Judgment. Table 2.03-2 includes these projects and details. All projects are complete.

The City has completed the Roberts Drive and 6th Street Pumping Stations projects to deliver flows directly to the WWTP as EAPs within the LTCP. The project was bid and awarded in 2010. Construction began in 2011 and was completed in 2012. The design and bid of the 37th Street Pumping Station to deliver flows directly to the WWTP, another EAP within the LTCP, were completed in 2012. Construction of the 37th Street Pumping Station Improvements project that began in 2013 was completed in 2015.

D. CMOM Program Self-Assessment

Paragraph CJ-16C requires that a CMOM program be developed. This activity was completed within the nine-month deadline after the entry of the Consent Judgment, which was June 5, 2008.

The City received comments on the CMOM report on June 5, 2009. The City submitted a response to KDOW comments on August 3, 2009. The City is awaiting approval for the revised CMOM report.

E. SORP

Paragraph CJ-16D requires that a SORP be developed. This activity was completed within the nine-month deadline after the entry of the Consent Judgment, which was June 5, 2008. KDOW provided comments on the SORP dated July 1, 2008. The City revised the SORP and resubmitted it to KDOW on September 5, 2008.

The City received approval of its SORP from KDOW on September 22, 2009, and is in the implementation process. An amended copy dated January 4, 2013, was documented in the 2012 Annual Report. The SORP was reviewed in 2013. Appendix C Wastewater Collection Callout Sheet of the SORP was updated in 2014. The revised callout sheet is provided in Appendix A.

**TABLE 2.03-1**

**CAPITAL IMPROVEMENTS BEFORE JANUARY 2015: SEPARATION OF STORM DRAINS AND SANITARY SEWERS**

Location	Project	Status	Cost
<b>Separation of Storm Drains and Sanitary Sewers</b>			
17th Street to Long Branch– Mayo Plaza	Storm Extension	Completed 1986	\$200,000
9th Street to Carter Avenue to 11th Street	Storm	Completed 1987	\$50,000
23rd Street on Hilton to 22nd to Mayo Plaza to 18th Street	Storm relocation and separation	Completed 1988	\$298,200
Oakview Road–at Woodland	Storm and Sanitary	Completed 1993	\$236,000
29th Street	Reconstruction and Separation	Completed 1995	\$343,237
Railroad Alley	Phase 1 Storm Drainage Improvements	Completed 1996	\$221,009
Railroad Alley	Phase 2 Storm Drainage Improvements	Completed 1997	\$210,377
Beech Street–May to old 13th	Storm and Sanitary	Completed 1998	\$100,000
Railroad Alley	Phase 3 Storm Drainage Improvements	Completed 1998	\$172,096
Franz Court–Lexington to dead end	Storm Drainage Improvements	Completed 2000	\$21,000
25th Street–Hilton to River	Storm Drain	Completed 2003	\$2,171,706
Moore Street	Storm Extension and Sanitary Improvements	Completed 2004	\$75,000
6th Street and Central	Storm and Sanitary Improvements	Completed 2005	\$75,000
Railroad Alley–25th to 22nd	Storm Drain	Completed 2005	\$186,400
Holtzen Avenue	Stormwater Drain	Completed 2008	\$425,000
39th and Brown	Ran new main to disconnect storm	Completed 2008	\$50,000
<b>SUBTOTAL</b>			<b>\$4,835,025</b>

TABLE 2.03-1 (cont'd)

**CAPITAL IMPROVEMENTS BEFORE JANUARY 2015: SEPARATION OF STORM DRAINS AND SANITARY SEWERS**

Location	Project	Status	Cost
<b>Replacement of Sanitary Sewers</b>			
A K Steel–40th to Bath House	Replace collapsed pipes	Completed 1986	\$100,000
39th Street–Belmont to Queen	Replaced to remediate excessive infiltration	Completed 2004	\$105,781
Coburn Avenue–Blackburn to Stabb	Replaced to remediate excessive infiltration	Completed 2004	\$67,000
Kirk Street–Blackburn to Maynard	Replaced to remediate excessive infiltration	Completed 2005	\$25,000
AK Steel–New 24-inch DIP Sewer	Rerouted sewer, 2230 LF	Completed 2008	\$574,591
Putnam Street Sewer Project	Replaced to remediate excessive infiltration	Completed 2009	\$250,252
Oliverio Park Sewer	Replaced to remediate excessive infiltration	Completed 2009	\$41,983
Hurricane Road	Replaced to remediate excessive infiltration	Completed 2009	\$10,700
Blackburn Avenue	Replaced to remediate excessive infiltration	Completed 2009	\$11,771
Griffith Street	Replaced to remediate excessive infiltration	Completed 2009	\$19,900
Elm Street	Replaced to remediate excessive infiltration	Completed 2009	\$20,895
Wiltshire Street	Replaced to remediate excessive infiltration	Completed 2009	\$3,779
Shute Street	Sanitary Sewer Replacement	Completed 2010	\$48,500
Montgomery Avenue	Sanitary Sewer Replacement	Completed 2010	\$45,000
Gallaher Drive	Sanitary Sewer Replacement	Completed 2010	\$14,200
Logan Street	Sanitary Sewer Replacement	Completed 2010	\$9,200
Ballard Street	Sanitary Sewer Replacement	Completed 2010	\$12,900
39th Street	Sanitary Sewer Replacement	Completed 2011	\$150,000
Gartrell Street	Sanitary Sewer Replacement	Completed 2011	\$50,000
Gibbs Court	Sanitary Sewer Replacement	Completed 2011	\$20,000
15 Street	Sanitary Sewer Replacement	Completed 2012	\$15,000
Fair Franz	Sanitary Sewer Replacement	Completed 2012	\$5,000
Old Trolley Line	Sanitary Sewer Replacement	Completed 2013	\$5,000
15th Street	Sanitary Sewer Replacement	Completed 2014	\$80,000
39th Street	Upgrade sewer size to increase capacity and eliminate recurring SSOs.	Completed 2014	\$150,000
<b>SUBTOTAL</b>			<b>\$1,836,452</b>

TABLE 2.03-1 (cont'd)

**CAPITAL IMPROVEMENTS BEFORE JANUARY 2015: SEPARATION OF STORM DRAINS AND SANITARY SEWERS**

Location	Project	Status	Cost
<b>Installation of New Sanitary Sewers</b>			
Alpha Willis Nolte Sanitary Extension	From septic tanks to municipal sewer	Completed 1990	\$53,000
Winslow/Friendship Road	From septic tanks to municipal sewer	Completed 1990	\$35,000
Stephens Court	From septic tanks to municipal sewer	Completed 1991	\$24,500
Shannon Drive from Rayboume Road	From septic tanks to municipal sewer	Completed 1993	\$47,000
Slem Street	From septic tanks to municipal sewer	Completed 1995	\$22,000
Pitino Court Sanitary Sewer Extension	New expansion	Completed 1996	\$38,000
Skyline Drive Sanitary Sewer	From septic tanks to municipal sewer	Completed 2004	\$1,200,000
Hampton Hills Court	New expansion	Completed 2005	\$27,000
Melody Mountain Development	New expansion	Completed 2005	\$90,000
ATCT Child Development Center	New expansion	Completed 2012	\$5,000
Central Avenue	New Expansion	Completed 2013	\$15,000
18th Street	New Expansion	Completed 2013	\$60,000
<b>SUBTOTAL</b>			<b>\$1,616,500</b>
<b>Pump Station Improvements</b>			
Roberts Drive Pumping Station	New station, new force main to 10th Street	Completed 1992	\$1,500,000
Tunnel Hill Pumping Station	Rebuilt station	Completed 2002	\$45,000
10th Street Pumping Station	Four variable speed drives, four pumping stations	Completed 2002-03	\$100,000
6th Street Pumping Station	Three variable speed drives, three pumping stations	Completed 2003	\$66,000
26th Street Pumping Station	Two channel grinders	Completed 2003	\$200,000
26th Street Pumping Station	One new pump	Completed 2004	\$36,000
Roberts Drive Pumping Station	Five variable speed drives	Completed 2004	\$50,000
5th Street Pumping Station	Two new pumping stations, guide rails	Completed 2005	\$15,600
26th Street Pumping Station	Eight variable speed drives, valves	Completed 2005	\$80,000
37th Street Pumping Station	Two pumping stations, one variable speed drive	Completed 2005	\$100,000
Roberts Drive Pumping Station	One new pump	Completed 2005	\$36,000
45th Street Pumping Station	Refurbishment	Completed 2008	\$103,400
Roberts Drive Pumping Station	Refurbished internal components	Completed 2008	\$15,000

TABLE 2.03-1 (cont'd)

**CAPITAL IMPROVEMENTS BEFORE JANUARY 2015: SEPARATION OF STORM DRAINS AND SANITARY SEWERS**

Location	Project	Status	Cost
<b>Pump Station Improvements (cont'd)</b>			
Roberts Drive and 26th Street Pumping Stations	Refurbished pumps	Completed 2009	\$3,500
45th Street Pumping Station	Renovation	Completed 2009	\$88,400
10th Street Pumping Station	Replaced pumps piping and valves.	Completed 2009	\$114,000
26th Street	SCADA	Completed 2010	\$2,000
26th Street	Rebuilt grinders, repaired pumps, clean out sand and gravel, removed collapsing plumbing and repair catwalks.	Completed 2011	\$125,000
45th Street Pump Station-SCADA	Installed SCADA system on pumping station and force main	Completed 2012	\$75,000
Roberts Drive Pumping Station	Upgraded pumping station and rerouted force main to discharge directly to WWTP.	Completed 2013	\$4,000,000
6th Street Pumping Station	Upgraded pumping station and rerouted force main to discharge directly to WWTP.	Completed 2013	\$3,000,000
<b>SUBTOTAL</b>			<b>\$9,754,900</b>
<b>Miscellaneous Improvements</b>			
34th Street Outfall	Rebuild headwall	Completed 2009	\$9,600
Installed CSO Outfall Flow Meters	Installed nine area velocity meters	Completed 2009	\$82,300
10th Street CSO Regulator Modifications	Regulator Modifications	Completed 2013	\$300,000
Greenup Ave. CSO Remediation	Installed three new manholes on Greenup Ave trunk sewer to intercept flow before they reach the 18th Street and 19th street CSO regulators. Flow is conveyed to 26th Street PS.	Completed 2014	\$220,000
<b>SUBTOTAL</b>			<b>\$611,900</b>
<b>TOTAL PROJECT COST</b>			<b>\$18,654,777</b>

TABLE 2.03-2

CAPITAL IMPROVEMENTS BEFORE LONG-TERM CONTROL PLAN

Location	Project	Details	Project Completed By	Estimated Project Cost	Status	2007	2008	2009	2010	2011	2012	2013	2014	2015											
						December	January	February	March	April	May	June	July	August	September	October	November	December							
<b>Separation of Storm Drains and Sanitary Sewers</b>																									
Hilton Avenue	Stormwater drainage - five blocks	1,800 LF of 24 inch and 785 LF of 15 inch.	May 2008	\$425,000	Complete		△																		
<b>Replacement of Sanitary Sewers</b>																									
A K Steel	Sanitary Sewer Replacement	Replaced 2,230 LF of 24-inch sewer.	September 2008	\$574,591	Complete		△																		
Rogers Court and Windsor Court	Sanitary Sewer Replacement	Replaced a total of 170 LF of 8-inch sewer.	August 2007	\$20,000	Complete	△																			
Putnam Street Sewer Project	Sanitary Sewer Replacement	Replaced a total of 2,400 LF of 10-inch sewer with 18-inch sewer.	December 2009	\$250,252	Complete			△																	
Oliverio Park Sewer	Sanitary Sewer Replacement	Replaced 600 LF of 18-inch sewer.	September 2009	\$41,983	Complete			△																	
Hurricane Road	Sanitary Sewer Replacement	Replaced 700 LF of sanitary sewer	July 2009	\$10,700	Complete			△																	
Blackburn Avenue	Sanitary Sewer Replacement	Replaced 200 LF of sanitary sewer.	August 2009	\$11,771	Complete			△																	
Griffith Street	Sanitary Sewer Replacement	Replaced 728 LF of 8-inch sewer.	September 2009	\$19,900	Complete			△																	
Elm Street	Sanitary Sewer Replacement	Replaced 42 LF of 6-inch sewer.	June 2009	\$122.78 (Materials)	Complete			△																	
Wiltshire Boulevard	Sanitary Sewer Replacement	Replaced 318 LF of 6-inch sewer.	July 2009	\$3,779	Complete			△																	
Shute Street	Sanitary Sewer Replacement	Replaced 1216 LF of 8-inch sewer.	December 2010	\$48,500	Complete				△																
Montgomery Avenue	Sanitary Sewer Replacement	Replaced 420 LF of 8-inch sewer and 451 LF of 4-inch sewer	December 2010	\$45,000	Complete				△																
Logan Street	Sanitary Sewer Replacement	Replaced 180 LF of 8-inch sewer	December 2010	\$9,200	Complete				△																
Ballard Street	Sanitary Sewer Replacement	Replaced 400 LF of 10-inch sewer and 106 LF of 8-inch sewer.	December 2010	\$12,900	Complete				△																
39th Street	Sanitary Sewer Replacement	Upsized existing trunk sewer to eliminate SSOs and protect Clyffeside Branch.	August 2011	\$150,000	Complete					△															
Gartrell Street	Sanitary Sewer Replacement	Replaced 600 LF of 8-inch sewer.	December 2011	\$50,000	Complete					△															
Gibbs Court	Sanitary Sewer Replacement	Replaced 200 LF of 8-inch sanitary sewer.	December 2011	\$20,000	Complete					△															
15th Street	Sanitary Sewer Replacement	Replaced section of 15-foot 30-inch sewer.	December 2012	\$15,000	Complete						△	△	△												
Fair Franz	Sanitary Sewer Replacement	Replaced 14 feet of 6-inch sewer main with catch basin to remedy flooding during wet weather.	December 2012	\$5,000	Complete						△	△	△												
Old Trolley Line	Sanitary Sewer Replacement	Replaced section of 105-foot 8-inch sewer.	December 2013	\$5,000	Complete							△	△												
15th Street between Carter and Winchester	Sanitary Sewer Replacement	Replaced 200 LF of 30-inch sewer.	September 2014	\$80,000	Complete								△												
39th Street from Gartrell Street	Sanitary Sewer Replacement	Replaced 600 LF of 18-inch sewer.	June 2014	\$150,000	Complete								△												

TABLE 2.03-2 (cont'd)

CAPITAL IMPROVEMENTS BEFORE LONG-TERM CONTROL PLAN

Location	Project	Details	Project Completed By	Estimated Project Cost	Status	2007	2008	2009	2010	2011	2012	2013	2014	2015											
						December	January	February	March	April	May	June	July	August	September	October	November	December							
<b>Installation of New Sanitary Sewers</b>																									
ATCT Child Development Center	New Expansion	Extended Sewer to ATCT.	December 2012	\$5,000	Complete																				
Central Avenue	New Expansion	Extended 300 feet of 8-inch sewer main extension to Member's Choice Credit Union.	December 2013	\$15,000	Complete							△	△												
18th Street	New Expansion	Extended 1000 feet of 18-inch Sewer main extension from Carter Ave. to Greenup Ave.	December 2013	\$60,000	Complete							△	△												
<b>Pumping Station Improvements</b>																									
Roberts Drive	Refurbishment	Refurbished pumps, base, and rail.	April 2009	\$3,500	Complete			△																	
45th Street	Refurbishment	Renovation	September 2009	\$88,400	Complete			△																	
10th Street	Refurbishment	Replaced pumps piping and valves.	September 2009	\$114,000	Complete			△																	
Roberts Drive	Backup Power	Installed pad-mounted generator.	December 2009	\$82,174	Complete			△																	
10th Street	Backup Power	Installed pad-mounted generator.	December 2009	\$53,625	Complete			△																	
26th Street	SCADA	SCADA installed at PS.	December 2010	\$2,000	Complete				△																
26th Street	Refurbishment	Rebuilt grinders, repaired pumps, clean out sand and gravel, removed collapsing plumbing, and repair catwalks.	December 2011	\$125,000	Complete					△															
Roberts Drive	Expansion	Increased capacity and pump directly to WWTP.	October 2013	\$4,000,000	Complete							△	△												
6th Street	Expansion	Increased capacity and pump directly to WWTP.	October 2013	\$3,000,000	Complete							△	△												
37th Street	Expansion	Increased capacity and pump directly to WWTP.	June 2015	\$3,500,000	Complete								△												
<b>Other Projects</b>																									
34th Street Outfall	Headwall	Rebuild headwall.	March 2009	\$9,600	Complete			△																	
Installed CSO Outfall Flow Meters	CSO Flow Metering	Installed nine area velocity meters.	December 2009	\$82,300	Complete			△																	
10th Street CSO Regulator Modifications	Regulator Modifications	modified CSO 010 regulator to convey more flow to the 10th Street Pump Station	October 2013	\$300,000	Complete							△	△												
Greenup Ave. CSO Remediation	Regulator Modifications	Installed 3 manholes on Greenup Ave. to intercept flows to 18th and 19th CSO regulators.	September 2014	\$220,000	Complete								△												
Roberts Drive	Regulator Modifications	Raised CSO weir height	December 2015	\$5,000	Complete																△				

LEGEND	
	Submittal from Ashland
	From previous year or continue to following
	Approval by EPPC
	Comments from EPPC received, resubmittal required
	Completion of Project or Activity

## F. SSOP

Paragraph CJ-17 states that if the EEC determines the City has recurring SSOs, the City shall develop an SSOP.

Based on the City's records, there were six locations where overflows occurred twice or more in a 12-month period. Table 3.03-1 describes the unique circumstances of these overflows and justifies they are not "recurring" SSOs. The City has taken proactive steps to address each location and reduce the likelihood of any additional overflows. The 39th Street main that has constantly been having recurring SSOs is being upsized. About 600 LF was replaced in 2014. Since the City is addressing these overflows, an SSOP is not deemed necessary and is not planned.

If EEC determines an SSOP is required, the City would have 12 months from the date of receipt of notification to develop an SSOP. Paragraphs CJ-18 and CJ-19 offer additional direction on the SSOP if it becomes a requirement.

## 2.04 LTCP

Paragraph CJ-20 details the requirements of the LTCP.

An interim LTCP, required by Paragraph CJ-20A, was submitted 12 months after entry of the Consent Judgment on September 5, 2008. The interim LTCP was reviewed by KDOW and the USEPA. Comments were anticipated by December 5, 2008, in accordance with the three-month review commitment in Paragraph CJ-26.

The City received comments on the interim LTCP in a letter from KDOW dated July 7, 2009. The City responded to the comments in a revised interim LTCP resubmittal dated November 30, 2009. The City received approval of the revised interim LTCP from KDOW on October 21, 2010.

The Final LTCP scheduled due date was December 31, 2009, as stated in Paragraph CJ-20B. The interim LTCP approval letter received from KDOW set the due date of the final LTCP as October 21, 2011, because of the delay in receiving interim LTCP approval from KDOW and USEPA. The City submitted the Final LTCP to KDOW on October 20, 2011. The City received comments on the Final LTCP on January 31, 2013, in a letter from KDOW dated January 25, 2013. The City responded to the comments in a revised Final LTCP resubmittal dated August 1, 2013. The City had a phone conference with KDOW and USEPA personnel on January 26, 2015. The City revised the LTCP and submitted to KDOW and USEPA in June 2015. The Final LTCP was approved by USEPA in August 2015 and KDOW in September 2015.

## 2.05 OTHER PLANNING ACTIVITIES

In addition to the completed capital projects, other planning and study activities were performed by the City or for the City. Section 5 offers more detail regarding ongoing planning and study activities, which further demonstrates the City's efforts to address compliance issues.

## 2.06 PENALTIES

Paragraph CJ-22 requires a penalty of \$17,000 to be paid by the City to the EEC for the City's violations. This condition was met within the deadline recorded in the Consent Judgment.

**SECTION 3**  
**SUMMARY OF OVERFLOWS**

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This section provides an account of the number of occurrences of overflows including unauthorized discharges from the combined and separate sewer systems. Paragraph CJ-21B of the Consent Decree requests information on these discharges for the reporting period of 2015. A discussion of unauthorized discharge points and discharges from the City’s permitted CSOs is included. Volume estimating methods for SSOs remained consistent with historical reporting methods for the duration of this reporting period. The City is using flow data collected by the permanent flow meters to provide information on CSO volume and occurrence.

Refer to Section 1 of this report for a summary of the WWTP authorization through the KPDES permit and the authorized outfalls under the permit.

### **3.01 RAINFALL DATA**

The wet weather overflow events under the SSO and CSO categories correlate to rainfall events. Figure 3.01-1 offers daily rainfall data as recorded by the City’s rain gauges. Occurrences of snow melt are not included in this figure. The total rainfall in 2015 was 40.07 inches.

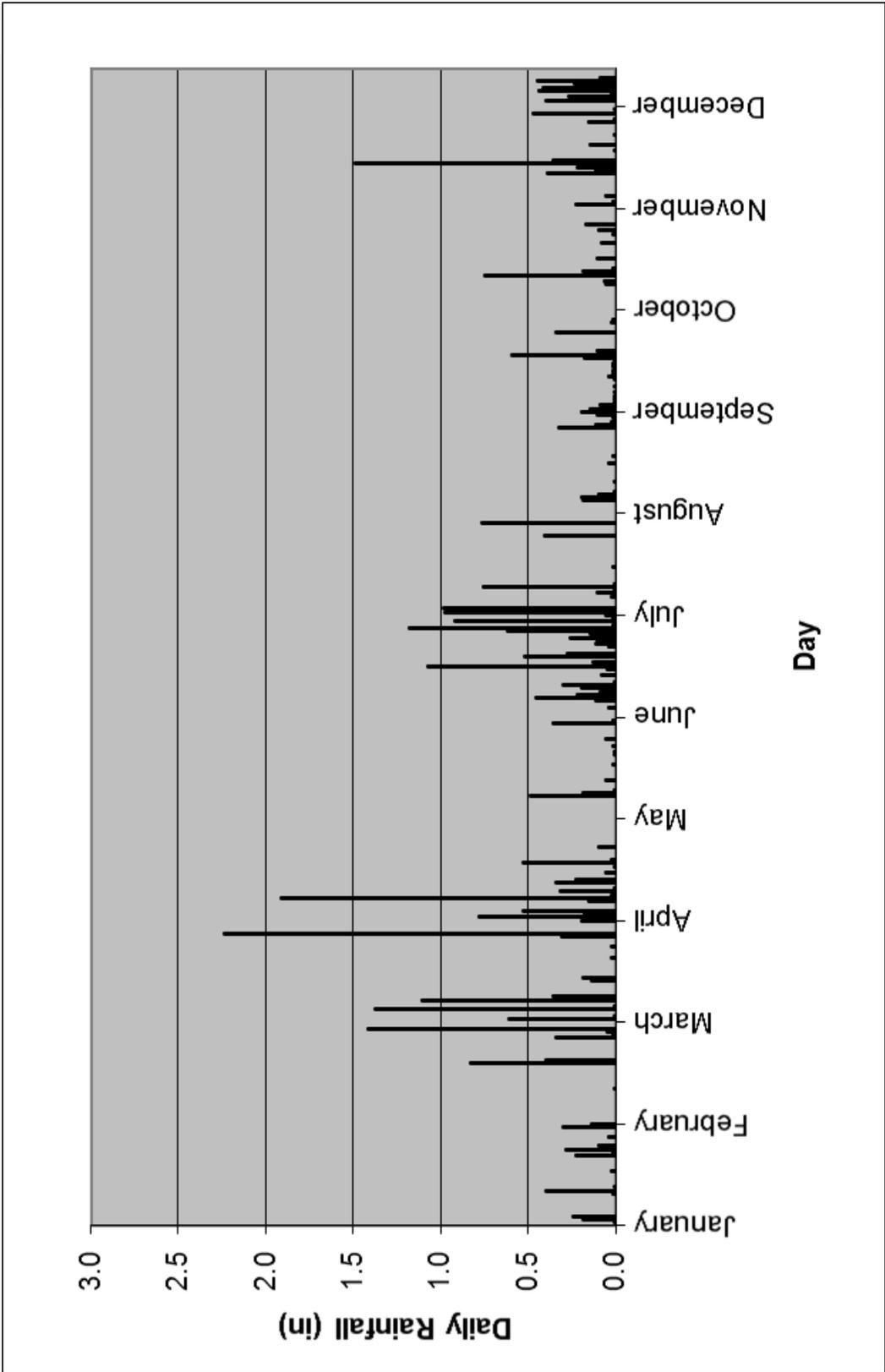
### **3.02 CSO DATA**

Tables 3.02-1 and 3.02-2 show the individual occurrences of CSOs during the current reporting period for wet weather and dry weather, respectively.

Permanent flow meters installed on CSO outfalls in 2009 were used to record and report CSO overflow volume. These meters collected flow and duration information for the calendar year 2015 beginning in January and continued to collect data throughout the entire year. Maintenance, monitoring, and reporting procedures using the flow meters were developed. Where flow metering equipment malfunctioned, the previous method of using an estimation based on depth over the regulator was used. Flow data collected by the flow meters is presented in Appendix B.

### **3.03 SSO DATA**

Table 3.03-1 presents the individual occurrences of SSOs during the current reporting period. When available, referenced photos, including those made available by Louisville-Jefferson County Metropolitan Sewer District for estimating overflow rates from manholes, were used to provide an approximate flow rate. This flow rate was used with the known duration of the overflow to provide a volume estimate for several overflows. In other instances, this method was not appropriate and a description of the overflow or approximation based on response staff experience has been provided.



**2015 RAINFALL DATA**

**CONSENT JUDGMENT ANNUAL REPORT 2015  
CITY OF ASHLAND, KENTUCKY**



**FIGURE 3.01-1  
5102.016**

TABLE 3.02-1

SUMMARY OF WET WEATHER CSOs

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Total Rainfall	Start time of CSO (Visual Observation)	End Time of CSO (Visual Observation)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?
January 5, 2015	002	26th Street	0.1+0.19+0.25	0.45	January 5, 2015	January 5, 2015	19,798	Metered	No	Not Available	Called KDOW Morehead
January 13, 2015	002	26th Street	0.02+0.4+0.01+0.03+0.23+0.02+0.29+0.1+0.04+0.3	1.44	January 13, 2015	February 1, 2015	345,194	Metered	No	Not Available	Called KDOW Morehead
February 4, 2015	002	26th Street	0.14	0.14	February 4, 2015	February 9, 2015	124,012	Metered	No	Not Available	Called KDOW Morehead
February 21, 2015	002	26th Street	0.83+0.4	1.23	February 21, 2015	February 22, 2015	210,132	Metered	No	Not Available	Called KDOW Morehead
March 1, 2015	002	26th Street	0.34	0.34	March 1, 2015	March 1, 2015	18,471	Metered	No	Not Available	Called KDOW Morehead
March 4, 2015	002	26th Street	0.02+0.05+1.42+0.61+0.01+1.38+0.01+1.11+0.36	4.97	March 4, 2015	March 15, 2015	18,921,615	Metered	No	Not Available	Called KDOW Morehead
March 19, 2015	002	26th Street	0.14	0.14	March 19, 2015	March 19, 2015	29,286	Metered	No	Not Available	Called KDOW Morehead
April 2, 2015	002	26th Street	0.31+2.24	2.55	April 2, 2015	April 4, 2015	1,418,928	Metered	No	Not Available	Called KDOW Morehead
April 7, 2015	002	26th Street	0.2+0.78+0.18+0.53+0.16+1.91+0.03+0.32+0.01+0.34+0.23+0.06	0.48	April 7, 2015	April 22, 2015	8,508,765	Metered	No	Not Available	Called KDOW Morehead
April 25, 2015	002	26th Street	0.01+0.53	0.54	April 25, 2015	April 25, 2015	40,136	Metered	No	Not Available	Called KDOW Morehead
June 9, 2015	002	26th Street	0.36+0.02	0.38	June 9, 2015	June 9, 2015	825	Metered	No	Not Available	Called KDOW Morehead
June 16, 2015	002	26th Street	0.12+0.46+0.22+0.09	0.89	June 16, 2015	June 18, 2015	163,049	Metered	No	Not Available	Called KDOW Morehead
June 21, 2015	002	26th Street	0.3+0.1	0.31	June 21, 2015	June 21, 2015	6,048	Metered	No	Not Available	Called KDOW Morehead
June 27, 2015	002	26th Street	0.05+1.08+0.13+0.52+0.28	2.06	June 27, 2015	July 1, 2015	234,841	Metered	No	Not Available	Called KDOW Morehead
July 8, 2015	002	26th Street	0.62+1.18+0.02+0.92+0.02	2.76	July 8, 2015	July 11, 2015	521,120	Metered	No	Not Available	Called KDOW Morehead
July 14, 2015	002	26th Street	0.06+0.98+0.99	2.03	July 14, 2015	July 14, 2015	131,645	Metered	No	Not Available	Called KDOW Morehead
September 30, 2015	002	26th Street	0.02+0.01	0.03	September 30, 2015	September 30, 2015	2,271	Metered	No	Not Available	Called KDOW Morehead
October 3, 2015	002	26th Street	0.18+0.6+0.11	0.89	October 3, 2015	October 3, 2015	63,639	Metered	No	Not Available	Called KDOW Morehead
October 28, 2015	002	26th Street	0.75+0.19+0.02	0.96	October 27, 2015	October 28, 2015	549,085	Metered	No	Not Available	Called KDOW Morehead
November 13, 2015	002	26th Street	0.17	0.17	November 13, 2015	November 13, 2015	54,683	Metered	No	Not Available	Called KDOW Morehead
November 19, 2015	002	26th Street	0.23+0.02	0.25	November 19, 2015	November 19, 2015	3,703	Metered	No	Not Available	Called KDOW Morehead
December 2, 2015	002	26th Street	1.49+0.36	1.85	December 2, 2015	December 3, 2015	1,722,148	Metered	No	Not Available	Called KDOW Morehead
December 18, 2015	002	26th Street	0.47+0.01	0.48	December 18, 2015	December 18, 2015	235,261	Metered	No	Not Available	Called KDOW Morehead
December 22, 2015	002	26th Street	0.4+0.27+0.03+0.44+0.42+0.24+0.45+0.09	2.34	December 22, 2015	December 30, 2015	4,037,901	Metered	No	Not Available	Called KDOW Morehead
March 27, 2015	004	37th Street	0.03	0.03	March 27, 2015	March 28, 2015	1,266,194	Metered	No	Not Available	Called KDOW Morehead
April 11, 2015	004	37th Street	0.2+0.78+0.18+0.53	1.69	April 11, 2015	April 12, 2015	201,453	Metered	No	Not Available	Called KDOW Morehead
July 9, 2015	004	37th Street	1.18+0.2	1.2	July 9, 2015	July 9, 2015	434,363	Metered	No	Not Available	Called KDOW Morehead
July 14, 2015	004	37th Street	0.99+0.98	1.97	July 14, 2015	July 15, 2015	31,195	Metered	No	Not Available	Called KDOW Morehead
August 7, 2015	004	37th Street	0.41	0.41	August 7, 2015	August 7, 2015	528	Metered	No	Not Available	Called KDOW Morehead
August 11, 2015	004	37th Street	0.77	0.77	August 11, 2015	August 11, 2015	11,889	Metered	No	Not Available	Called KDOW Morehead
December 11, 2015	004	37th Street	0.01	0.01	December 11, 2015	December 11, 2015	369	Metered	No	Not Available	Called KDOW Morehead
December 25, 2015	004	37th Street	0.4+0.27+0.03+0.44+0.42+0.24+0.45+0.09	2.34	December 25, 2015	December 29, 2015	4,402,403	Metered	No	Not Available	Called KDOW Morehead

TABLE 3.02-1 (Cont'd)

SUMMARY OF WET WEATHER CSOs

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Total Rainfall	Start time of CSO (Visual Observation)	End Time of CSO (Visual Observation)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?
March 10, 2015	006	34th Street	1.38+0.01+1.11+0.36+0.14+0.19	3.19	March 10, 2015	March 21, 2015	863,069	Metered	No	Not Available	Called KDOW Morehead
April 1, 2015	006	34th Street	0.31+2.24+0.2+0.78+0.18+0.53	4.24	April 1, 2015	April 12, 2015	33,643	Metered	No	Not Available	Called KDOW Morehead
April 15, 2015	006	34th Street	0.16+1.91+0.03+0.32+0.01+0.34+0.23+0.06	3.06	April 15, 2015	April 22, 2015	42,518	Metered	No	Not Available	Called KDOW Morehead
May 18, 2015	006	34th Street	0.49+0.19+0.01	0.69	May 18, 2015	May 18, 2015	1,158	Metered	No	Not Available	Called KDOW Morehead
June 16, 2015	006	34th Street	0.12+0.46+0.22	0.8	June 16, 2015	June 17, 2015	15,411	Metered	No	Not Available	Called KDOW Morehead
June 27, 2015	006	34th Street	0.05+1.08+0.13	1.26	June 27, 2015	June 27, 2015	26,218	Metered	No	Not Available	Called KDOW Morehead
July 11, 2015	006	34th Street	0.92+0.02	0.94	July 11, 2015	July 11, 2015	2,261	Metered	No	Not Available	Called KDOW Morehead
July 14, 2015	006	34th Street	0.98+0.99	1.97	July 14, 2015	July 15, 2015	42,183	Metered	No	Not Available	Called KDOW Morehead
July 22, 2015	006	34th Street	0.03+0.11+0.01+0.76+0.01	0.92	July 22, 2015	July 22, 2015	2,034	Metered	No	Not Available	Called KDOW Morehead
August 11, 2015	006	34th Street	0.77	0.77	August 11, 2015	August 11, 2015	11,889	Metered	No	Not Available	Called KDOW Morehead
September 13, 2015	006	34th Street	0.33+0.12+0.03+0.02+0.11	0.61	September 13, 2015	September 13, 2015	30,235	Metered	No	Not Available	Called KDOW Morehead
December 25, 2015	006	34th Street	0.4+0.27+0.03+0.44+0.42	1.56	December 25, 2015	December 25, 2015	16,339	Metered	No	Not Available	Called KDOW Morehead
January 4, 2015	008	18th Street	0.01+0.19+0.25	0.45	January 4, 2015	January 5, 2015	101,281	Metered	No	Not Available	Called KDOW Morehead
January 13, 2015	008	18th Street	0.02+0.4+0.01	0.43	January 13, 2015	January 15, 2015	25,051	Metered	No	Not Available	Called KDOW Morehead
January 19, 2015	008	18th Street	0.03+0.23+0.02+0.29+0.1	0.03	January 19, 2015	January 27, 2015	329,313	Metered	No	Not Available	Called KDOW Morehead
January 31, 2015	008	18th Street	0.04	0.64	January 31, 2015	January 31, 2015	1,204	Metered	No	Not Available	Called KDOW Morehead
February 3, 2015	008	18th Street	0.3+0.14	0.44	February 3, 2015	February 3, 2015	41,913	Metered	No	Not Available	Called KDOW Morehead
February 22, 2015	008	18th Street	0.83+0.4	1.23	February 22, 2015	February 23, 2015	142,199	Metered	No	Not Available	Called KDOW Morehead
March 1, 2015	008	18th Street	0.34	0.34	March 1, 2015	March 1, 2015	5,249	Metered	No	Not Available	Called KDOW Morehead
March 4, 2015	008	18th Street	0.02+0.05+1.42+0.61+0.01+1.38+0.01+1.11+0.36+0.14	5.11	March 4, 2015	March 20, 2015	14,356,655	Metered	No	Not Available	Called KDOW Morehead
March 30, 2015	008	18th Street	0.03+0.31+2.24+0.2+0.78+0.18+0.53+0.16+1.91+0.03+0.32+0.01+0.34+0.23+0.06+0.01+0.53	7.87	March 30, 2015	April 25, 2015	8,583,511	Metered	No	Not Available	Called KDOW Morehead
May 12, 2014	008	18th Street	0.28+0.01	0.29	May 12, 2016	May 12, 2016	34,693	Metered	No	Not Available	Called KDOW Morehead
May 17, 2015	008	18th Street	0.49+0.19+0.01	0.69	May 17, 2015	May 18, 2015	247,495	Metered	No	Not Available	Called KDOW Morehead
June 9, 2015	008	18th Street	0.36+0.02	0.38	June 9, 2015	June 9, 2015	207,449	Metered	No	Not Available	Called KDOW Morehead
June 14, 2015	008	18th Street	0.04+0.12+0.46+0.22	0.84	June 14, 2015	June 17, 2015	1,580,299	Metered	No	Not Available	Called KDOW Morehead
June 21, 2015	008	18th Street	0.09+0.2+0.3+0.01	0.6	June 21, 2015	June 21, 2015	50,585	Metered	No	Not Available	Called KDOW Morehead
June 24, 2015	008	18 Street	0.29+0.01	0.3	June 24, 2015	June 24, 2015	12,932	Metered	No	Not Available	Called KDOW Morehead
June 27, 2015	008	18th Street	0.05+1.08+0.13+0.52+0.28	2.06	June 27, 2015	July 1, 2015	1,339,803	Metered	No	Not Available	Called KDOW Morehead
July 4, 2015	008	18 Street	0.06+0.07	0.11	July 4, 2015	July 5, 2015	32,569	Metered	No	Not Available	Called KDOW Morehead
July 8, 2015	008	18th Street	0.04+0.12+0.11+0.26+0.15+0.62+1.18+0.02+0.92+0.02+0.06+0.98+0.99	5.47	July 8, 2015	July 16, 2015	4,437,955	Metered	No	Not Available	Called KDOW Morehead
July 22, 2015	008	18th Street	0.03+0.11+0.01+0.76+0.01	0.92	July 22, 2015	July 22, 2015	693,242	Metered	No	Not Available	Called KDOW Morehead
August 6, 2015	008	18th Street	0.41	0.41	August 6, 2015	August 7, 2015	294,100	Metered	No	Not Available	Called KDOW Morehead
August 10, 2015	008	18th Street	0.77	0.77	August 10, 2015	August 11, 2015	274,166	Metered	No	Not Available	Called KDOW Morehead
August 21, 2015	008	18th Street	0.19+0.2+0.1+0.01	0.5	August 21, 2015	August 21, 2015	518	Metered	No	Not Available	Called KDOW Morehead

TABLE 3.02-1 (Cont'd)

SUMMARY OF WET WEATHER CSOs

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Total Rainfall	Start time of CSO (Visual Observation)	End Time of CSO (Visual Observation)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?
September 5, 2015	008	18th Street	0.01	0.01	September 5, 2015	September 5, 2015	31,238	Metered	No	Not Available	Called KDOW Morehead
September 10, 2015	008	18th Street	0.33+0.12+0.03+0.02+0.11	0.61	September 10, 2015	September 11, 2015	155,645	Metered	No	Not Available	Called KDOW Morehead
October 2, 2015	008	18th Street	0.18+0.6+0.11	0.89	October 2, 2015	October 3, 2015	68,879	Metered	No	Not Available	Called KDOW Morehead
October 26, 2015	008	18th Street	0.06+0.07+0.75+0.19+0.02	1.09	October 26, 2015	October 29, 2015	227,857	Metered	No	Not Available	Called KDOW Morehead
November 7, 2015	008	18th Street	0.08	0.08	November 7, 2015	November 7, 2015	388	Metered	No	Not Available	Called KDOW Morehead
November 11, 2015	008	18th Street	0.02+0.1+0.17	0.29	November 11, 2015	November 13, 2015	80,984	Metered	No	Not Available	Called KDOW Morehead
November 19, 2015	008	18th Street	0.23+0.02+0.06	0.31	November 19, 2015	November 20, 2015	635	Metered	No	Not Available	Called KDOW Morehead
November 29, 2015	008	18th Street	0.39+0.12+0.22+1.49+0.36	2.58	November 29, 2015	December 3, 2015	1,635,570	Metered	No	Not Available	Called KDOW Morehead
December 8, 2015	008	18th Street	0.15	0.15	December 8, 2015	December 8, 2015	264	Metered	No	Not Available	Called KDOW Morehead
December 15, 2015	008	18th Street	0.16+0.01+0.47+0.01	0.65	December 15, 2015	December 18, 2015	231,275	Metered	No	Not Available	Called KDOW Morehead
December 21, 2015	008	18th Street	0.4+0.27+0.03+0.44+0.42+0.24+0.45+0.09	2.34	December 21, 2015	December 29, 2015	3,351,324	Metered	No	Not Available	Called KDOW Morehead
January 4, 2015	009	15th Street	0.01+0.19+0.25	0.45	January 4, 2015	January 5, 2015	3,328	Metered	No	Not Available	Called KDOW Morehead
January 13, 2015	009	15th Street	0.02+0.4+0.01	0.43	January 13, 2015	January 13, 2015	2,475	Metered	No	Not Available	Called KDOW Morehead
January 19, 2015	009	15th Street	0.03+0.23+0.02+0.29+0.1+0.04+0.3+0.14	1.15	January 19, 2015	February 3, 2015	45,474	Metered	No	Not Available	Called KDOW Morehead
February 22, 2015	009	15th Street	0.83+0.4	1.23	February 22, 2015	February 23, 2015	3,972	Metered	No	Not Available	Called KDOW Morehead
March 2, 2015	009	15th Street	0.34+0.02+0.05+1.42+0.61+0.01+1.38+0.01+1.11+0.36+0.14+0.19	5.64	March 2, 2015	March 21, 2015	1,024,447	Metered	Yes	See Appendix B	Called KDOW Morehead
April 3, 2015	009	15th Street	0.31+2.24+0.2+0.78+0.18+0.53+0.16+1.91+0.03+0.32+0.01+0.34+0.23+0.06	7.3	April 3, 2015	April 23, 2015	2,634,964	Metered	No	Not Available	Called KDOW Morehead
April 26, 2015	009	15th Street	0.01+0.53+0.03	0.57	April 26, 2015	April 26, 2015	21,559	Metered	No	Not Available	Called KDOW Morehead
May 16, 2015	009	15th Street	0.49	0.49	May 16, 2015	May 16, 2015	92,905	Metered	No	Not Available	Called KDOW Morehead
June 9, 2015	009	15th Street	0.36+0.02	0.38	June 9, 2015	June 9, 2015	76,902	Metered	No	Not Available	Called KDOW Morehead
June 14, 2015	009	15th Street	0.04+0.12+0.46+0.22+0.09+0.2+0.3+0.01	1.44	June 14, 2015	June 21, 2015	676,725	Metered	No	Not Available	Called KDOW Morehead
June 27, 2015	009	15th Street	0.05+1.08+0.13+0.52+0.28	2.06	June 27, 2015	July 1, 2015	689,911	Metered	No	Not Available	Called KDOW Morehead
July 4, 2015	009	15th Street	0.04+0.12+0.11	0.27	July 4, 2015	July 4, 2015	23,260	Metered	No	Not Available	Called KDOW Morehead
July 8, 2015	009	15th Street	0.26+0.15+0.62+1.18+0.02+0.92+0.02+0.06+0.98+0.99	5.2	July 8, 2015	July 15, 2015	1,619,559	Metered	No	Not Available	Called KDOW Morehead
July 22, 2015	009	15th Street	0.03+0.11+0.01+0.76+0.01	0.92	July 22, 2015	July 22, 2015	307,491	Metered	No	Not Available	Called KDOW Morehead
August 7, 2015	009	15th Street	0.41	0.41	August 7, 2015	August 7, 2015	18,667	Metered	No	Not Available	Called KDOW Morehead
August 11, 2015	009	15th Street	0.77	0.77	August 11, 2015	August 11, 2015	195,893	Metered	No	Not Available	Called KDOW Morehead
August 19, 2015	009	15th Street	0.19+0.2+0.1+0.01	0.5	August 19, 2015	August 21, 2015	971	Metered	No	Not Available	Called KDOW Morehead
September 10, 2015	009	15th Street	0.33+0.12+0.03+0.02+0.11	0.61	September 10, 2015	September 13, 2015	63,149	Metered	No	Not Available	Called KDOW Morehead
October 3, 2015	009	15th Street	0.18+0.6+0.11	0.89	October 3, 2015	October 3, 2015	30,006	Metered	No	Not Available	Called KDOW Morehead
October 10, 2015	009	15th Street	0.34	0.34	October 10, 2015	October 10, 2015	499	Metered	No	Not Available	Called KDOW Morehead

TABLE 3.02-1 (Cont'd)

SUMMARY OF WET WEATHER CSOs

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Total Rainfall	Start time of CSO (Visual Observation)	End Time of CSO (Visual Observation)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?
October 28, 2015	009	15th Street	0.75+0.19+0.02	0.96	October 28, 2015	October 29, 2015	7,301	Metered	No	Not Available	Called KDOW Morehead
November 13, 2015	009	15th Street	0.17	0.17	November 13, 2015	November 13, 2015	21,484	Metered	No	Not Available	Called KDOW Morehead
December 1, 2015	009	15th Street	1.49+0.36	1.85	December 1, 2015	December 3, 2015	337,028	Metered	No	Not Available	Called KDOW Morehead
December 18, 2015	009	15th Street	0.47+0.01	0.48	December 18, 2015	December 18, 2015	1,354	Metered	No	Not Available	Called KDOW Morehead
December 22, 2015	009	15th Street	0.4+0.27+0.03+0.44+0.42+0.24+0.45+0.09	2.34	December 22, 2015	December 28, 2015	403,718	Metered	No	Not Available	Called KDOW Morehead
January 15, 2015	010	10th Street	0.02+0.4+0.01	0.43	January 15, 2015	January 15, 2015	109,399	Metered	No	Not Available	Called KDOW Morehead
January 19, 2015	010	10th Street	0.03	0.03	January 19, 2015	January 19, 2015	918,448	Metered	No	Not Available	Called KDOW Morehead
March 6, 2015	010	10th Street	0.34+0.02+0.05+1.42+0.61+0.01	2.45	March 6, 2015	March 9, 2015	94,759	Metered	No	Not Available	Called KDOW Morehead
March 13, 2015	010	10th Street	1.38+0.01+1.11+0.36	2.86	March 13, 2015	March 15, 2015	772,953	Metered	No	Not Available	Called KDOW Morehead
April 4, 2015	010	10th Street	0.31+2.24	2.55	April 4, 2015	April 4, 2015	302,931	Metered	No	Not Available	Called KDOW Morehead
April 9, 2015	010	10th Street	0.2+0.78+0.18+0.53	1.69	April 9, 2015	April 11, 2015	744,840	Metered	No	Not Available	Called KDOW Morehead
April 14, 2015	010	10th Street	0.16+1.91+0.03+0.32+0.01	2.43	April 14, 2015	April 17, 2015	1,359,821	Metered	No	Not Available	Called KDOW Morehead
May 17, 2015	010	10th Street	0.49+0.19	0.68	May 17, 2015	May 17, 2015	54,585	Metered	No	Not Available	Called KDOW Morehead
June 9, 2015	010	10th Street	0.36+0.02	0.38	June 9, 2015	June 9, 2015	140,474	Metered	No	Not Available	Called KDOW Morehead
June 16, 2015	010	10th Street	0.04+0.12+0.46+0.22	0.84	June 16, 2015	June 17, 2015	912,615	Metered	No	Not Available	Called KDOW Morehead
June 27, 2015	010	10th Street	0.05+1.08+0.13	1.26	June 27, 2015	June 27, 2015	372,189	Metered	No	Not Available	Called KDOW Morehead
June 30, 2015	010	10th Street	0.52+0.28	0.8	June 30, 2015	July 1, 2015	328,518	Metered	No	Not Available	Called KDOW Morehead
July 4, 2015	010	10th Street	0.04+0.12+0.11	0.27	July 4, 2015	July 4, 2015	57,684	Metered	No	Not Available	Called KDOW Morehead
July 8, 2015	010	10th Street	0.26+0.15+0.62+1.18	2.21	July 8, 2015	July 8, 2015	57,610	Metered	No	Not Available	Called KDOW Morehead
July 11, 2015	010	10th Street	0.02+0.92+0.02	0.96	July 11, 2015	July 11, 2015	426,259	Metered	No	Not Available	Called KDOW Morehead
July 14, 2015	010	10th Street	0.06+0.98+0.99	2.03	July 14, 2015	July 15, 2015	994,655	Metered	No	Not Available	Called KDOW Morehead
July 22, 2015	010	10th Street	0.03+0.11+0.01+0.76+0.01	0.92	July 22, 2015	July 22, 2015	519,592	Metered	No	Not Available	Called KDOW Morehead
August 11, 2015	010	10th Street	0.77	0.77	August 11, 2015	August 11, 2015	147,708	Metered	No	Not Available	Called KDOW Morehead
September 13, 2015	010	10th Street	0.33+0.12+0.03+0.02+0.11	0.61	September 13, 2015	September 13, 2015	5,165	Metered	No	Not Available	Called KDOW Morehead
December 25, 2015	010	10th Street	0.4+0.27+0.03+0.44+0.42	1.56	December 25, 2015	December 25, 2015	188,396	Metered	No	Not Available	Called KDOW Morehead
January 3, 2015	014	Roberts Drive	0.01+0.19+0.25	0.45	January 3, 2015	January 5, 2015	35,712	Metered	No	Not Available	Called KDOW Morehead
January 13, 2015	014	Roberts Drive	0.02+0.4+0.01	0.43	January 13, 2015	January 13, 2015	32,782	Metered	No	Not Available	Called KDOW Morehead
January 26, 2015	014	Roberts Drive	0.23+0.02+0.29+0.1	0.64	January 26, 2015	January 27, 2015	611	Metered	No	Not Available	Called KDOW Morehead
January 31, 2015	014	Roberts Drive	0.04+0.3+0.14	0.48	January 31, 2015	February 2, 2015	48,720	Metered	No	Not Available	Called KDOW Morehead
February 22, 2015	014	Roberts Drive	0.83+0.4+0.34+0.02+0.05+1.42+0.61+0.01+1.38+0.01+1.11+0.36	6.54	February 22, 2015	March 15, 2015	927,576	Metered	No	Not Available	Called KDOW Morehead
March 19, 2015	014	Roberts Drive	0.14+0.19+0.03	0.36	March 19, 2015	March 28, 2015	5,317	Metered	No	Not Available	Called KDOW Morehead
April 1, 2015	014	Roberts Drive	0.31+2.24+0.2+0.78+0.18+0.53	4.24	April 1, 2015	April 11, 2015	586,265	Metered	No	Not Available	Called KDOW Morehead
April 14, 2015	014	Roberts Drive	0.16+1.91+0.03+0.32+0.01+0.34+0.23+0.06+0.01+0.53+0.03	3.63	April 14, 2015	April 26, 2015	880,801	Metered	No	Not Available	Called KDOW Morehead

TABLE 3.02-1 (Cont'd)

SUMMARY OF WET WEATHER CSOs

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Total Rainfall	Start time of CSO (Visual Observation)	End Time of CSO (Visual Observation)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?
May 16, 2015	014	Roberts Drive	0.49+0.19+0.01+0.06	0.75	May 16, 2015	May 22, 2015	7,686	Metered	No	Not Available	Called KDOW Morehead
May 26, 2015	014	Roberts Drive	0.02	0.02	May 26, 2015	May 26, 2015	821	Metered	No	Not Available	Called KDOW Morehead
June 8, 2015	014	Roberts Drive	0.36	0.36	June 8, 2015	June 8, 2015	2,845	Metered	No	Not Available	Called KDOW Morehead
June 13, 2015	014	Roberts Drive	0.04+0.12+0.46+0.22+0.09+0.2+0.3+0.01+0.08	1.52	June 13, 2015	June 23, 2015	23,305	Metered	No	Not Available	Called KDOW Morehead
June 26, 2015	014	Roberts Drive	0.05+1.08+0.13+0.52+0.28+0.04+0.12+0.11	2.33	June 26, 2015	July 4, 2015	38,209	Metered	No	Not Available	Called KDOW Morehead
July 8, 2015	014	Roberts Drive	0.26+0.15+0.62+1.18+0.02+0.92	3.15	July 8, 2015	July 10, 2015	5,605	Metered	No	Not Available	Called KDOW Morehead
July 13, 2015	014	Roberts Drive	0.06+0.98+0.99	2.03	July 13, 2016	July 14, 2015	105,233	Metered	No	Not Available	Called KDOW Morehead
July 19, 2015	014	Roberts Drive	0.03+0.11+0.01	0.15	July 19, 2015	July 20, 2015	3,414	Metered	No	Not Available	Called KDOW Morehead
August 7, 2015	014	Roberts Drive	0.41	0.41	August 7, 2015	August 7, 2015	1,112	Metered	No	Not Available	Called KDOW Morehead
September 11, 2015	014	Roberts Drive	0.33+0.12+0.03+0.02+0.11	0.61	September 11, 2015	September 13, 2015	3,506	Metered	No	Not Available	Called KDOW Morehead
September 27, 2015	014	Roberts Drive	0.01+0.04+0.02+0.02	0.09	September 27, 2015	September 27, 2015	813	Metered	No	Not Available	Called KDOW Morehead
September 30, 2015	014	Roberts Drive	0.02+0.02+0.01+0.18+0.6+0.11	0.94	September 30, 2015	October 3, 2015	14,489	Metered	No	Not Available	Called KDOW Morehead
October 9, 2015	014	Roberts Drive	0.34	0.34	October 9, 2015	October 9, 2015	533	Metered	No	Not Available	Called KDOW Morehead
November 18, 2015	014	Roberts Drive	0.23	0.23	November 18, 2015	November 18, 2015	8,705	Metered	No	Not Available	Called KDOW Morehead
November 21, 2015	014	Roberts Drive	0.06	0.06	November 21, 2015	November 21, 2015	1,183	Metered	No	Not Available	Called KDOW Morehead
November 28, 2015	014	Roberts Drive	0.39+0.12+0.22+1.49+0.36	2.58	November 28, 2015	December 2, 2015	25,810	Metered	No	Not Available	Called KDOW Morehead
December 14, 2015	014	Roberts Drive	0.16	0.16	December 14, 2015	December 14, 2015	782	Metered	No	Not Available	Called KDOW Morehead
December 17, 2015	014	Roberts Drive	0.47	0.47	December 17, 2015	December 17, 2015	5,410	Metered	No	Not Available	Called KDOW Morehead
December 21, 2015	014	Roberts Drive	0.4+0.27+0.03+0.44+0.42+0.24+0.45+0.09	2.34	December 21, 2015	December 28, 2015	31,572	Metered	No	Not Available	Called KDOW Morehead

Total wet weather CSO occurrences in 2015: 45  
 Total Volume of wet weather CSOs in 2015: 102, 984,609  
 If information is not available, please explain why: Where volume estimates are not provided=flow meter malfunction.  
 Other overflows: Volume estimates not recorded at time of overflow.

TABLE 3.02-2

SUMMARY OF DRY WEATHER CSOs AND CSOs CAUSED BY REASONS OTHER THAN PRECIPITATION (2015)

Date of CSO Start	Outfall Number	Outfall Location	Daily Rainfall Data (inches)	Estimated CSO Volume (gal)	Estimation Method	Was CSO Sampled?	Summary of Sampling Data	How Was It Reported?	Observations/Cause
February 1, 2015	009	15th Street		365	Metered	No	Not Available	Called KDOW Morehead	
March 25, 2015	010	10th Street		908	Metered	No	Not Available	Called KDOW Morehead	
August 3, 2015	014	Roberts Drive		1,954	Metered	No	Not Available	Called KDOW Morehead	

NA=Not available

Total dry weather and other caused CSO occurrences in 2015: 3

Total volume of dry weather CSOs in 2015: 3,227

If information is not available, please explain why:

TABLE 3.03-1

SUMMARY OF SSOs

Date	Location, including Source	Time and Date Respondent Became Aware	Time and Date Crew Responded	Time and Date SSO Ceased, if Any	Time and Date Corrective Action was Complete	Estimated SSO Volume	Ultimate Destination of Overflow (water body, storm drain, dry land, building)	Cause (grease, roots, other blockage, wet weather, loss of power, pump failure)	How Was It Reported?	Description of Corrective Actions Taken to Stop SSO	Description of Corrective Actions Taken to Prevent This or Similar SSOs in Future	Is This A Recurring SSO?
January 5, 2015	2212 Hilton Ave. 6-inch main	1/5/15 7:45 PM	1/5/15 7:45 PM	1/8/15 10:25 AM	1/8/15 10:25 AM	Not available	Ohio River	unknown blockage	Call to KDOW	ran jet truck to open blockage		
January 8, 2015	1100 Ferguson 8-inch main	1/8/15 5:40 PM	1/8/15 5:40 PM	1/8/15 5:50 PM	1/8/15 5:50 PM	Not available	Clyffside Branch	water works broke top off sewer main	Call to KDOW	replaced broken segment		
January 9, 2015	Save-a-Lot Mall US 60 8-inch main	1/9/15 10:19 AM	1/9/15 10:19 AM	1/9/15 11:20 AM	1/9/15 11:20 AM	manhole overflowing	Ohio River	manhole overflowing	Call to KDOW	ran jet truck to open grease blockage		
January 15, 2015	3037 Lydia Street 6-inch main	1/15/15 1:30 PM	1/15/15 1:30 PM	1/15/15 2:10 PM	1/15/15 2:10 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
January 20, 2015	13th Street Mayo Plaza 24-inch main	1/20/15 8:00 AM	1/20/15 8:00 AM	1/21/15 1:30 PM	1/21/15 1:30 PM	Not available	Ohio River	water works broke pipe repairing water line	Call to KDOW	replaced broken segment		
January 23, 2015	Midtown Shopping Center 8-inch main	1/23/15 12:46 PM	1/23/15 12:46 PM	1/23/15 1:30 PM	1/23/15 1:30 PM	manhole overflowing	Long Branch	grease blockage	Call to KDOW	ran jet truck to open blockage		
February 3, 2015	605 Hunt Street 8-inch main	2/3/15 10:25 AM	2/3/15 10:25 AM	2/3/15 10:35 AM	2/3/15 10:35 AM	Not available	basement	roots blockage	Call to KDOW	ran jet truck to open blockage		
February 4, 2015	2613 Jackson Ave. 8-inch main	2/4/15 10:00 AM	2/4/15 10:00 AM	2/4/15 3:00 PM	2/4/15 3:00 PM	Not available	Keys Creek	broken pipe	Call to KDOW	replaced broken segment		
February 6, 2015	3816 Putnam Street 8-inch main	2/6/15 8:57 AM	2/6/15 8:57 AM	2/11/15 4:30 PM	2/11/15 4:30 PM	Not available	Clyffside Branch	root blockage	Call to KDOW	ran jet truck, hand rodded, dug up and replaced part of main line		
February 21, 2015	4068 168 8-inch main	2/21/15 9:21 PM	2/21/15 9:21 PM	2/21/15 10:58 PM	2/21/15 10:58 PM	manhole overflowing	Long Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage		
February 22, 2015	3117 Mason 8-inch main	2/22/15 9:40 PM	2/22/15 9:40 PM	2/22/15 9:45 PM	2/22/15 9:45 PM	Not available	Little Hood Creek/basement	unknown blockage	Call to KDOW	rodded line to open blockage		
February 27, 2015	2415 South 29th Street 8-inch main	2/27/15 8:30 PM	2/27/15 8:30 PM	2/27/15 9:15 PM	2/27/15 9:15 PM	Not available	basement	grease blockage	Call to KDOW	ran jet truck to open blockage		
March 1, 2015	2415 South 29th Street 8-inch main	3/1/15 11:45 AM	3/1/15 11:45 AM	3/1/15 12:00 PM	3/1/15 12:00 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage	need to camera later	Yes
March 3, 2015	2548 Hilton Ave. 6-inch main	3/3/15 4:40 PM	3/3/15 4:40 PM	3/3/15 5:20 PM	3/3/15 5:20 PM	cleanout overflowing	Ohio River	unknown blockage	Call to KDOW	ran jet truck to open blockage		
March 3, 2015	2212 Hilton Ave. 6-inch main	3/3/15 9:20 PM	3/3/15 9:20 PM	3/3/15 10:00 PM	3/3/15 10:00 PM	Not available	Ohio River/basement	unknown blockage	Call to KDOW	ran jet truck to open blockage, called in line locates		
March 4, 2015	4405 Blackburn Ave 8-inch main	3/4/15 5:20 AM	3/4/15 5:20 AM	3/4/15 5:40 AM	3/4/15 5:40 AM	Not available	Keys Creek/basement	root blockage	Call to KDOW	ran jet truck to open blockage and camera line		
March 6, 2015	2515 Clinton St 8-inch main	3/6/15 4:15 PM	3/6/15 4:15 PM	3/6/15 6:00 PM	3/6/15 6:00 PM	manhole overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage	line locates and dig to repair	
March 9, 2015	2515 Clinton St 8-inch main	3/9/15 8:09 AM	3/9/15 8:09 AM	3/9/15 8:40 AM	3/9/15 8:40 AM	manhole overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage	line locates and dig to repair	
March 10, 2015	4068 Valleyview 8-inch main	3/10/15 2:40 PM	3/10/15 2:40 PM	3/10/15 3:00 PM	3/10/15 3:00 PM	manhole overflowing	Keys Creek	broken manhole upstream	Call to KDOW	ran jet truck to open blockage and repaired upstream manhole		
March 10, 2015	2901 Dawes St. 8-inch main	3/10/15 4:20 PM	3/10/15 4:20 PM	3/10/15 5:30 PM	3/10/15 5:30 PM	manhole overflowing	Keys Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage		
March 11, 2015	4401 Blackburn Ave 8-inch main	3/11/15 9:30 AM	3/11/15 9:30 AM	3/11/15 9:35 AM	3/11/15 9:35 AM	Not available	basement	root blockage	Call to KDOW	ran jet truck to open blockage		
March 12, 2015	2515 Clinton St 8-inch main	3/12/15 8:30 AM	3/12/15 8:30 AM	3/12/15 11:20 AM	3/12/15 11:20 AM	stayed in ditch	Little Hood Creek	root blockage	Call to KDOW	replace line due to roots		
March 11, 2015	1913 Weymouth Drive 8-inch main	3/11/15 2:30 PM	3/11/15 2:30 PM	3/12/15 3:30 PM	3/12/15 3:30 PM	Not available	Long Branch	unknown blockage	Call to KDOW	dug out and repaired line		
March 15, 2015	1616 Elliot Ave 8-inch main	3/15/15 3:15 PM	3/15/15 3:15 PM	3/15/15 4:00 PM	3/15/15 4:00 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
March 19, 2015	2954 Shadowlawn 8-inch main	3/19/15 12:28 PM	3/19/15 12:28 PM	3/19/15 7:20 PM	3/19/15 7:20 PM	manhole overflowing	Keys Creek	river backs up and covers manhole	Call to KDOW	no action taken		
March 25, 2015	5th St. (behind Texas Roadhouse) 8-inch main	3/25/15 10:30 PM	3/25/15 10:30 PM	3/26/15 12:46 AM	3/26/15 12:46 AM	Not available	Long Branch	grease blockage	Call to KDOW	ran jet truck to open blockage	have everyone clean grease traps monthly	
March 27, 2015	5225 Blackburn Ave 8-inch main	3/25/15 8:45 AM	3/25/15 8:45 AM	3/25/15 9:15 AM	3/25/15 9:15 AM	stayed in ditch	Keys Creek	broken pipe	Call to KDOW	replaced broken segment		
March 30, 2015	3519 Thompson Drive 8-inch main	3/30/15 8:10 AM	3/30/15 8:10 AM	3/30/15 8:51 AM	3/30/15 8:51 AM	manhole overflowing	Keys Creek	bricks in pipe	Call to KDOW	ran jet truck to open blockage and removed bricks		
March 30, 2015	1720 Oakview Road 6-inch main	3/30/15 12:40 PM	3/30/15 12:40 PM	3/30/15 1:00 PM	3/30/15 1:00 PM	manhole overflowing	Long Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage		
April 2, 2015	800 Montgomery 8-inch main	4/2/15 2:59 PM	4/2/15 2:59 PM	4/2/15 4:30 PM	4/2/15 4:30 PM	manhole overflowing	Long Branch	rags blockage	Call to KDOW	ran jet truck to open blockage		
April 8, 2015	4344 Ferguson 8-inch main	4/8/15 9:00 PM	4/8/15 9:00 PM	4/8/15 9:00 PM	4/8/15 9:00 PM	Not available	Clyffside Branch	sink hole	Call to KDOW	ran jet truck to open main, repair hole		
April 14, 2015	Floyd Street 8-inch main (3218, 3210, and 3213)	4/14/15 2:20 AM	4/14/15 2:20 AM	4/14/15 9:00 AM	4/14/15 9:00 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
April 14, 2015	4201 168 8-inch main	4/14/15 9:53 AM	4/14/15 9:53 AM	4/15/15 1:38 PM	4/15/15 1:38 PM	manhole overflowing	Keys Creek	wet weather	Call to KDOW	improve system		
April 19, 2015	4344 Ferguson 8-inch main	4/19/15 6:30 PM	4/19/15 6:30 PM	4/19/15 6:45 PM	4/19/15 6:45 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open main	line locates and dig to repair	
April 23, 2015	4344 Ferguson 8-inch main	4/23/15 11:30 AM	4/23/15 11:30 AM	4/23/15 1:05 PM	4/23/15 1:05 PM	Not available	basement	line broken during repair	Call to KDOW	replaced broken segment		
May 5, 2015	1433 Wurts Ave. 8-inch main	5/5/15 10:40 AM	5/5/15 10:40 AM	5/8/15 1:00 PM	5/8/15 1:00 PM	Not available	Long Branch	line broken during repair	Call to KDOW	will replace broken segment		
May 12, 2015	1433 Wurts Ave. 8-inch main	5/12/15 10:30 AM	5/12/15 10:30 AM	5/12/15 3:15 PM	5/12/15 3:15 PM	stayed in ditch	Long Branch	line broken during repair	Call to KDOW	replaced broken segment		
May 12, 2015	2412 Boone Street 8-inch main	5/12/15 9:30 PM	5/12/15 9:30 PM	5/12/15 11:45 PM	5/12/15 11:45 PM	Not available	Little Hood Creek	road fell and broke main	Call to KDOW	replaced clay tile pipe with PVC		
June 9, 2015	Mindy Jane & 168 8-inch main	6/9/15 3:00 PM	6/9/15 3:00 PM	6/9/15 5:30 PM	6/9/15 5:30 PM	manhole overflowing	Keys Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage		
June 22, 2015	1913 Weymouth Drive 8-inch main	6/22/15 9:45 AM	6/22/15 9:45 AM	6/22/15 1:22 PM	6/22/15 1:22 PM	Not available	Long Branch	line broken manhole installation	Call to KDOW	replaced broken segment		
June 22, 2015	Dead end of Elk Street 8-inch main	6/22/15 2:00 PM	6/22/15 2:00 PM	6/22/15 4:10 PM	6/22/15 4:10 PM	manhole overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage		
June 27, 2015	3427 Thompson Drive 8-inch main	6/27/15 1:54 PM	6/27/15 1:54 PM	6/27/15 2:10 PM	6/27/15 2:10 PM	manhole overflowing	Keys Creek	grease blockage	Call to KDOW	ran jet truck to open blockage		
July 13, 2015	2415 South 29th Street 8-inch main	7/13/15 5:20 PM	7/13/15 5:20 PM	7/13/15 5:25 PM	7/13/15 5:25 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		Yes

TABLE 3.03-1 (Cont'd)

SUMMARY OF SSOs

Date	Location, Including Source	Time and Date Respondent Became Aware	Time and Date Crew Responded	Time and Date SSO Ceased, If Any	Time and Date Corrective Action was Complete	Estimated SSO Volume	Ultimate Destination of Overflow (water body, storm drain, dry land, building)	Cause (grease, roots, other blockage, wet weather, loss of power, pump failure)	How Was It Reported?	Description of Corrective Actions Taken to Stop SSO	Description of Corrective Actions Taken to Prevent This or Similar SSOs in Future	Is This A Recurring SSO?
July 14, 2015	3925 Valleyview 8-inch main	7/14/15 9:45 AM	7/14/15 9:45 AM	7/14/15 12:06 PM	7/14/15 12:06 PM	manhole overflowing	Keys Creek	debris blockage	Call to KDOW	ran jet truck to open blockage		
July 15, 2015	3420 Willis Street 6-inch main	7/15/15 1:30 AM	7/15/15 1:30 AM	7/15/15 2:00 AM	7/15/15 2:00 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
July 15, 2015	3404 Ridgeway Dr 6-inch main	7/15/15 9:00 AM	7/15/15 9:00 AM	7/15/15 9:15 AM	7/15/15 9:15 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
July 15, 2015	1655 Elliot Ave 8-inch main	7/15/15 1:50 PM	7/15/15 1:50 PM	7/15/15 3:00 PM	7/15/15 3:00 PM	Not available	Little Hood Creek	line broken during repair	Call to KDOW	repaired broken main		
July 21, 2015	833 McCullough Dr 8-inch main	7/21/15 3:00 PM	7/21/15 3:00 PM	7/21/15 5:10 PM	7/21/15 5:10 PM	Not available	Little Hood Creek	line broken by gas company	Call to KDOW	repaired broken main		
August 10, 2015	870 39th Street 18-inch main	8/10/15 4:01 PM	8/10/15 4:01 PM	8/10/15 4:10 PM	8/10/15 4:10 PM	manhole overflowing	Clyffside Branch	wet weather	Call to KDOW	caused by upstream line expansion before downstream line		
August 19, 2015	715 Ernestine St 6-inch main	8/19/15 8:30 AM	8/19/15 8:30 AM	8/21/15 11:49 AM	8/21/15 11:49 AM	Not available	Little Hood Creek	broken pipe	Call to KDOW	repaired broken main		
August 26, 2015	1200 Long St. 8-inch main	8/26/15 10:00 AM	8/26/15 10:00 AM	8/26/15 10:50 AM	8/26/15 10:50 AM	Not available	Long Branch	broken pipe in creek	Call to KDOW	repaired broken main		
August 26, 2015	2731 Blackburn Ave 8-inch main	8/26/15 2:30 PM	8/26/15 2:30 PM	8/26/15 2:30 PM	8/26/15 2:30 PM	manhole overflowing	Clyffside Branch	rags blockage	Call to KDOW	ran jet truck to open blockage		
August 31, 2015	4508 Blackburn Ave 10-inch main	8/31/15 10:30 AM	8/31/15 10:30 AM	8/31/15 1:00 PM	8/31/15 1:00 PM	manhole overflowing	Clyffside Branch	roots blockage	Call to KDOW	ran jet truck to open blockage		
September 24, 2015	Corner of Stewart & Lewis Lane 8-inch main	9/24/15 9:45 AM	9/24/15 9:45 AM	9/24/15 10:40 AM	9/24/15 10:40 AM	Not available	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage		
October 6, 2015	1200 Long St. 8-inch main	10/6/15 11:00 AM	10/6/15 11:00 AM	10/6/15 12:45 PM	10/6/15 12:45 PM	Not available	Long Branch	broken pipe in creek	Call to KDOW	replaced broken segment		
October 14, 2015	609 Hagan Ct 6-inch main	10/14/15 9:30 AM	10/14/15 9:30 AM	10/14/15 9:40 AM	10/14/15 9:40 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
October 14, 2015	527 Hagan Ct 6-inch main	10/14/15 9:30 AM	10/14/15 9:30 AM	10/14/15 9:40 AM	10/14/15 9:40 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
October 21, 2015	1520 Chestnut Hill Drive 6-inch main	10/21/15 10:10 PM	10/21/15 10:10 PM	10/21/15 10:35 PM	10/21/15 10:35 PM	Not available	Long Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage		
November 9, 2015	13th Street Gla-Low Apartments 8-inch main	11/9/15 2:45 PM	11/9/15 2:45 PM	11/10/15 8:20 AM	11/10/15 8:20 AM	Not available	Little Hood Creek	broken pipe	Call to KDOW	dug out and repaired line		
November 23, 2015	3116 Mason 8-inch main	11/23/15 11:55 AM	11/23/15 11:55 AM	11/23/15 12:32 PM	11/23/15 12:32 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
December 1, 2015	3119 Calvin Street 8-inch main	12/1/15 9:26 AM	12/1/15 9:26 AM	12/1/15 10:21 AM	12/1/15 10:21 AM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage		
December 1, 2015	4201 168 8-inch main	12/1/15 8:02 AM	12/1/15 8:02 AM	12/1/15 11:28 AM	12/1/15 11:28 AM	Not available	Keys Creek	wet weather	Call to KDOW			
December 1, 2015	5308 168 8-inch main	12/1/15 11:28 AM	12/1/15 11:28 AM	12/2/15 1:27 PM	12/2/15 1:27 PM	manhole overflowing	Keys Creek	wet weather	Call to KDOW			
December 2, 2015	870 39th Street 18-inch main	12/2/15 8:00 AM	12/2/15 8:00 AM	12/2/15 11:00 AM	12/2/15 11:00 AM	manhole overflowing	Clyffside Branch	wet weather	Call to KDOW	caused by upstream line expansion before downstream line		
December 5, 2015	3119 Cogan 8-inch main	12/5/15 1:00 PM	12/5/15 1:00 PM	12/9/15 2:30 PM	12/9/15 2:30 PM	cleanout overflowing	Little Hood Creek	line broken during repair	Call to KDOW	replaced pipe from manhole to manhole		
December 7, 2015	536 Dixon 8-inch main	12/7/15 2:00 PM	12/7/15 2:00 PM	12/7/15 2:45 PM	12/7/15 2:45 PM	cleanout overflowing	Long Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage		
December 10, 2015	43rd & Daniels 8-inch main	12/10/15 12:57 PM	12/10/15 12:57 PM	12/10/15 1:50 PM	12/10/15 1:50 PM	Not available	Keys Creek	broken pipe in creek	Call to KDOW	replaced broken segment		
December 11, 2015	End of Horn St 8-inch main	12/11/15 2:30 PM	12/11/15 2:30 PM	12/11/15 3:00 PM	12/11/15 3:00 PM	Not available	Little Hood Creek	roots blockage	Call to KDOW	repair and screen pipe		
December 15, 2015	2330 6th St 8-inch main	12/15/15 2:36 PM	12/15/15 2:36 PM	12/15/15 2:42 PM	12/15/15 2:42 PM	manhole overflowing	Little Hood Creek	grease and rags blockage	Call to KDOW	ran jet truck to open blockage		
December 31, 2015	2114 Blackburn Ave 8-inch main	12/31/15 8:30 AM	12/31/15 8:30 AM	12/31/15 9:00 AM	12/31/15 9:00 AM	manhole overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage		

Total SSO occurrences in 2015: 70.

Total volume of SSOs: Not available in 70 occurrences.

If information is not available, please explain why: The City did not collect or record this type of information on the daily worksheets or on the Damage/Loss Reports.

<sup>1</sup>Plans for improvements at this location to prevent future overflows are underway or already completed.

<sup>2</sup>Not a capacity issue.

<sup>3</sup>Design is underway to upsize this pipe segment to address the overflow issue.

Table 3.03-2 lists all backups attributed to private property lateral issues. The City often responds to homeowner complaints of a backup; however, the problem is often not in the City's sewer system. These private property backups are not considered SSOs.

Several private lateral overflows and SSOs were the result of repairs or projects completed to repair or upgrade portions of the system.

Based on the City's records, there were two locations where overflows occurred at least twice in a 12-month period. The corrective actions column in Table 3.03-1 describes the unique circumstances of these overflows and justifies why they are not "recurring" SSOs. The City has taken proactive steps to address each location and reduce the likelihood of any additional overflows. The entire length of the 39th Street sewer that had 8 SSOs in 2014 has been upsized from a 12-inch and 15-inch sewer to an 18-inch sewer to eliminate the bottleneck created by earlier construction. Construction of the sewer upgrade was completed in June 2014. The City continued to cut the roots out in the remaining section in order to get a camera in to determine if replacement is necessary, or just point repair. The City will budget a capital project for further trunk replacement in 2016 if it is determined to be necessary. Since the City is addressing these overflows, an SSOP is not deemed necessary and is not planned.

TABLE 3.03-2

SUMMARY OF DOCUMENTED LATERAL ISSUES IN 2015

Date	Location, including source	Time and Date Respondent Became Aware	Time and Date Crew Responded	Time and Date SSO Ceased, If Any	Time and Date Corrective Action Was Complete	Estimated SSO Volume	Ultimate Destination of Overflow (water body, storm drain, dry land, building, etc)	Cause (grease, roots, other blockage, wet weather, loss of power, pump failure, etc)	How Was It Reported?	Description of Corrective Actions Taken	Description of Corrective Actions Taken to Prevent This or Similar In Future
January 6, 2015	2212 6th St. - 4" lateral	1/6/15 2:30 PM	1/6/15 2:30 PM	1/6/15 3:40 PM	1/6/15 3:40 PM	Not available	Little Hood Creek	cleanout overflowing	Call to KDOW	ran jet truck to open blockage	
January 7, 2015	610 8th St. - 4" lateral	1/7/15 8:49 AM	1/7/15 8:49 AM	1/7/15 9:13 AM	1/7/15 9:13 AM	Not available	Ohio River	unknown blockage	Call to KDOW	ran jet truck to open blockage, will camera at later date	
January 13, 2015	2706 Montgomery Ave. - 6" lateral	1/13/15 2:00 PM	1/13/15 2:00 PM	1/13/15 3:00 PM	1/13/15 3:00 PM	Not available	Ohio River	broken by water works while repairing main	Call to KDOW	replace broken pipe	
January 20, 2015	2013 Sharon Rd - 6" lateral	1/20/15 10:40 AM	1/20/15 10:40 AM	1/20/15 11:20 AM	1/20/15 11:20 AM	Not available	Clyffeside Branch/basement	unknown blockage	Call to KDOW	ran jet truck to open blockage	
January 20, 2015	2723 Chinn St. - 4" lateral	1/20/15 10:00 AM	1/20/15 10:00 AM	1/21/15 2:34 PM	1/21/15 2:34 PM	Not available	Little Hood Creek	broken lateral	Call to KDOW	dug up and replaced broken pipe	
February 4, 2015	3004 Lookout St. - 4" lateral	2/4/15 1:00 PM	2/4/15 1:00 PM	2/5/15 1:45 PM	2/5/15 1:45 PM	Not available	Clyffeside Branch	broken by water works while installing new water main	Call to KDOW	replace broken pipe	
February 9, 2015	3613 13th St. (Shell Station) - 4" lateral	2/9/15 8:15 AM	2/9/15 8:15 AM	2/9/15 8:45 AM	2/9/15 8:45 AM	cleanout overflowing	Little Hood Creek	grease blockage	Call to KDOW	ran jet truck to open blockage	
February 11, 2015	1608 Carter Ave. - 4" lateral	2/11/15 11:30 AM	2/11/15 11:30 AM	2/11/15 11:44 AM	2/11/15 11:44 AM	Not available	Ohio River	roots blockage	Call to KDOW	ran jet truck to open blockage, cleared roots	
March 3, 2015	916 29th St. - 4" lateral	3/3/15 1:55 PM	3/3/15 1:55 PM	3/3/15 2:19 PM	3/3/15 2:19 PM	cleanout overflowing	Clyffeside Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage	
March 10, 2015	2913 Franklin St. - 4" lateral	3/10/15 9:50 AM	3/10/15 9:50 AM	3/10/15 10:04 AM	3/10/15 10:04 AM	cleanout overflowing	Clyffeside Branch	unknown blockage	Call to KDOW	ran jet truck to open blockage	
March 18, 2015	376 Ferry St. - 6" lateral	3/18/15 5:15 PM	3/18/15 5:15 PM	3/19/15 7:30 PM	3/19/15 7:30 PM	Not available	Little Hood Creek	broken by water works while repairing main	Call to KDOW	replace broken pipe	
April 3, 2015	1429 Wurts Ave. - 6" lateral	4/3/15 11:20 AM	4/3/15 11:20 AM	4/3/15 12:45 PM	4/3/15 12:45 PM	cleanout overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage	
April 4, 2015	711 17th St. - 4" lateral	4/4/15 7:07 PM	4/4/15 7:07 PM	4/4/15 7:30 PM	4/4/15 7:30 PM	cleanout overflowing	Ohio River	unknown blockage	Call to KDOW	ran jet truck to open blockage	
April 5, 2015	3428 Douglas - 4" lateral	4/5/15 3:46 PM	4/5/15 3:46 PM	4/5/15 4:17 PM	4/5/15 4:17 PM	cleanout overflowing	Little Hood Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage	
April 11, 2015	2223 Crooks St. - 4" lateral	4/11/15 4:55 PM	4/11/15 4:55 PM	4/11/15 5:10 PM	4/11/15 5:10 PM	Not available	Clyffeside Branch	roots blockage	Call to KDOW	ran jet truck to open blockage	
April 21, 2015	2625 Jackson - 4" lateral	4/21/15 11:15 AM	4/21/15 11:15 AM	4/21/15 12:20 PM	4/21/15 12:20 PM	cleanout overflowing	Keys Creek	rags blockage	Call to KDOW	ran jet truck to open blockage	
April 22, 2015	1421 Maryland Parkway - 4" lateral	4/22/15 1:30 PM	4/22/15 1:30 PM	4/24/15 2:15 AM	4/24/15 2:15 AM	Not available	Little Hood Creek	pipe broken	Call to KDOW	replace broken pipe	
April 27, 2015	2013 Sharon Rd - 4" lateral	4/27/15 10:30 AM	4/27/15 10:30 AM	4/27/15 12:50 PM	4/27/15 12:50 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage	
May 15, 2015	4820 Williams Ave. - 4" lateral	5/15/15 8:00 PM	5/15/15 8:00 PM	5/15/15 8:05 PM	5/15/15 8:05 PM	cleanout overflowing	Keys Creek	unknown blockage	Call to KDOW	ran jet truck to open blockage	
May 15, 2015	5075 Maid Marion - 4" lateral	5/15/15 10:30 AM	5/15/15 10:30 AM	5/15/15 1:30 PM	5/15/15 1:30 PM	Not available	Keys Creek	broken during power repair	Call to KDOW	repaired broken lateral	
May 16, 2015	3420 Willis St. - 4" lateral	5/16/15 3:00 PM	5/16/15 3:00 PM	5/16/15 3:20 PM	5/16/15 3:20 PM	Not available	basement	unknown blockage	Call to KDOW	ran jet truck to open blockage	
June 2, 2015	100 Blackburn Ave. - 4" lateral	6/2/15 1:30 PM	6/2/15 1:30 PM	6/3/15 9:35 AM	6/3/15 9:35 AM	Not available	Clyffeside Branch	cleanout broken	Call to KDOW	replace cleanout	
July 17, 2015	3416 Willis St. - 4" lateral	unknown	unknown	unknown	unknown	Not available	basement	roots blockage	Call to KDOW	ran jet truck to open blockage	
July 20, 2015	2752 Carolyn - 4" lateral	7/20/15 1:00 PM	7/20/15 1:00 PM	7/21/15 9:30 AM	7/21/15 9:30 AM	Not available	Keys Creek	pipe broken	Call to KDOW	repaired broken lateral	
August 26, 2015	2202 Dixon - 6" lateral	8/26/15 9:25 AM	8/26/15 9:25 AM	8/26/15 2:30 PM	8/26/15 2:30 PM	Not available	Little Hood Creek	broken lateral in creek	Call to KDOW	repaired broken lateral	
August 31, 2015	4508 Blackburn Ave. - 4" lateral	8/31/15 10:30 AM	8/31/15 10:30 AM	9/1/15 9:30 AM	9/1/15 9:30 AM	Not available	Clyffeside Branch	broken lateral	Call to KDOW	repaired broken lateral	

Total lateral backup occurrences (non-SSOs) in 2015: 26. Total volume of SSOs: Not available in 26 occurrences.

If information is not available, please explain why: The City did not collect nor record this type of information on the daily worksheets or on the Damage/Loss Reports.

**SECTION 4**  
**ANTICIPATED PROJECTS AND ACTIVITIES FOR 2016**

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This section describes the anticipated projects and activities scheduled during the next reporting period of January 1 through December 31, 2016, for continued compliance with the Consent Judgment.

#### **4.01 CONSENT JUDGMENT DEADLINES**

Table 4.01-1 presents the anticipated schedule in 2016 for submittal requirements of the Consent Judgment.

#### **4.02 CAPITAL IMPROVEMENT PROJECTS**

The various capital improvement projects are divided into the following five categories similar to those listed in Section 2 of this report:

1. Separation of storm drains from sanitary sewers.
2. Replacement of sanitary sewers.
3. Installation of new sanitary sewers.
4. Installation of pumping station improvements.
5. Miscellaneous Improvements

Anticipated projects for 2016 are shown in Table 4.02-1.

#### **4.03 STUDIES AND PLANNING ACTIVITIES**

The City submitted the Final LTCP to KDOW in 2011 and received KDOW and USEPA comments on January 31, 2013, in a letter from KDOW dated January 26, 2012. The City addressed the comments and submitted the Revised Final LTCP to KDOW on August 1, 2013. The City had a phone conference with KDOW and USEPA personnel on January 26, 2015. The City revised the LTCP and submitted to KDOW and USEPA in June 2015. The Final LTCP was approved in September 2015. In addition, the City will address any review comments received from KDOW on the CMOM report that is also pending approval.

TABLE 4.01-1

CONSENT JUDGMENT (ITEM 21-C): ANTICIPATED SCHEDULE FOR 2016

Consent Judgment Reference Paragraph	Item	Status	Comment	2016												
				January	February	March	April	May	June	July	August	September	October	November	December	
14	Map of Sewer System	Complete	Documented in 2007 annual report.													
15-a	SUO—submittal	Complete	Documented in 2007 annual report.													
15-b	SUO—resubmittal	Not Required	Documented in 2007 annual report.													
15-c	SUO—adopt and notify customers	Not Required	Documented in 2007 annual report.													
15-d	Report overflow events	Implemented	Installed CSO outfall flow meters.	→												→
16-a	EAP—Compliance with NMC	Complete	Submitted September 5, 2009; revised November 2009; received KDOW approval on April 23, 2010.	→												→
16-b	EAP—Capital Improvements Project List															
16-b.1	List projects completed by January 1, 2007	Complete	Documented in 2007 annual report.													
16-b.2	List projects to be initiated before implementation of LTCP	Complete	Documented in 2007 annual report.													
16-c	EAP—CMOM Programs Self-Assessment	Complete	Submitted June 5, 2008; revised August 2009; awaiting approval.	→												→
16-d	Sewer Overflow Response Protocol (SORP)	Complete	Submitted June 5, 2008, KDOW comments received July 1, 2008. Revised report submitted on September 5, 2008; received KDOW approval on September 22, 2009. Updated in 2013 and submitted as part of 2012 Annual Report.													
17, 18	Sanitary Sewer Overflow Plan (SSOP)	Not required														
19	Review of SSOP by KDOW	Not applicable														
20-a	LTCP: Interim	Complete	Submitted September 5, 2008; revised November 2009; received KDOW approval on October 21, 2010.													
20-b	LTCP: Final	Complete	Submitted October 20, 2011; Received KDOW and EPA comments on January 31, 2013. Revised report submitted on August 1, 2013. Had phone conference with KDOW and USEPA on January 26, 2015. Revised report submitted in June 2015. Approved in September 2015. City will continue to implement elements of the approved LTCP.	→												→

**LEGEND**

-  Submittal from Ashland.
-  Approval by EEC.
-  From previous year or continue to following year.
-  Comments from EEC received; resubmittal required.

TABLE 4.02-1

CAPITAL IMPROVEMENTS SCHEDULED FOR 2016

LOCATION	PROJECT	PROJECT START DATE	PROJECT COMPLETE DATE	ESTIMATED PROJECT COST	2016											
					January	February	March	April	May	June	July	August	September	October	November	December
<b>Separation of Storm Drains and Sanitary Sewers</b>																
29th Street	Install new 4,700 LF of 42-inch, 600 LF of 12-inch, 18-inch, 24-inch, and 36-inch to separate stormwater from combined sewer system.	September 2016	December 2017	\$3,500,000												
<b>Replacement of Sanitary Sewers</b>																
<b>Installation of New Sanitary Sewers</b>																
<b>Pumping Station Improvements</b>																
<b>Miscellaneous Improvements</b>																
CIP Sewer Lining	CIP sewer lining for 15th street sewer from Carter to Greenup and 17th Street sewer from Central to Winchester.	January 2016	March 2016	\$240,000												

**SECTION 5**  
**ADDITIONAL INFORMATION REGARDING EARLY ACTION PLAN AND**  
**LONG-TERM CONTROL PLAN**

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## 5.01 ADDITIONAL INFORMATION ON EAP AND LTCP

The City proceeded with the required projects to comply with the obligations of the Consent Judgment. All projects not completed remain on schedule. The Revised CSO LTCP was submitted to KDOW on August 1, 2013. The City had a phone conference with KDOW and USEPA personnel on January 26, 2015. The City revised the LTCP and submitted to KDOW and USEPA in June 2015. The Final LTCP received approval in September 2015.

Section 8 of this report includes the Annual CSOP report required by the KPDES permit.

**SECTION 6**  
**SUMMARY OF CMOM IMPLEMENTATION**

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**6.01 SUMMARY OF CMOM IMPLEMENTATION**

Paragraph CJ-16C requires the development of a CMOM program. This program was developed and submitted within the deadline of nine months after the entry of the Consent Judgment or June 5, 2008.

The City received comments on the CMOM report on June 5, 2009, and submitted a response to KDOW’s comments on August 3, 2009. The City is awaiting approval of the revised CMOM report.

Upon approval by the EEC, the CMOM Program Self-Assessment and Recommendations will be included as an appendix to future annual reports. Progress on implementation will be reported in future annual reports.

The City began tracking some CMOM-related activities in 2009. See Table 6.01-1 for CMOM-related activities in 2015.

<b>Description</b>	<b>Number</b>
Sewer Calls	273
SSOs	96
After-Hour Emergencies	77
New Sewer Main Extensions (ft)	145
Sewer Main Replacements (ft)	382
Sewer Main Repairs	36
New Lateral Pipe Installations (ft)	312
Lateral Pipe Replacements(ft)	135
Lateral Pipe Repairs	23
New Taps	17
Renewed or Repaired Taps	4
Clean Outs-Installed/Repaired/Sized	29
New Manhole Installations	9
Manhole Repairs	14
Manhole Adjustments to Grade	21
Main Line(s) Flushes (ft)	62,695
Camera Truck-Inspection (ft)	19,387
Dress Ups	32
Locates (for construction)	1,561
Smoke Tests	40
Dye Tests	18
Grease Trap Checks	202
Trouble Spot Checked or Treated	237
Compliance Issues	14

**Table 6.01-1 CMOM-Related Activities in 2015**



**7.01 CONSENT JUDGMENT REVIEW FOR 2015**

Paragraph CJ-21F requests the details of projects completed during the current reporting period. Table 7.01-1 presents Consent Judgment items that were submitted. Deadlines for 2015 were met.

Consent Judgment Reference Paragraph	Item	Status	Comment
20-b	LTCP: Final	Approved	Revised report submitted in June 2015. Approved in September 2015.
21	Annual Report	Complete	Submitted on February 27, 2015.

**Table 7.01-1 Consent Judgment Requirements Met in 2015**

**7.02 COMPLETED CAPITAL IMPROVEMENT PROJECTS IN 2015**

Table 7.02-1 summarizes capital improvement projects completed in 2015. The various capital improvement projects are divided into the following categories similar to those listed in Section 2 of this report:

1. Separation of storm drains from sanitary sewers.
2. Replacement of sanitary sewers.
3. Installation of new sanitary sewers.
4. Installation of pumping station improvements.
5. Installation of other sewer system improvements.

**7.03 PLANNING AND STUDY ACTIVITIES IN 2015**

The City submitted the final LTCP to KDOW in 2011 and received KDOW and USEPA comments on January 31, 2013, in a letter from KDOW dated January 26, 2012. The City addressed comments and submitted the Revised Final LTCP to KDOW on August 1, 2013. The City had a phone conference with KDOW and USEPA personnel on January 26, 2015. The City revised the LTCP and submitted to KDOW and USEPA in June 2015. Approval was received September 2015.

TABLE 7.02-1

CAPITAL IMPROVEMENTS IN 2015

Project	Details	Project	Estimated	Status	2015												
		Complete By	Project Cost		January	February	March	April	May	June	July	August	September	October	November	December	
Pumping Station Improvements (Construction)	Upgrade pumping stations and reroute force main to discharge directly to WWTP.	Jun-15	\$3,500,000	Complete	→						▲						
CSO Regulator Modification (Construction)					Dec-15	\$5,000	Completed										

**Legend**

→ From previous year or continue to following year.

▲ Completion of project or activity.



## 8.01 OVERVIEW

Presented as Section 8 of the Consent Judgment Annual Report, the City is submitting the required annual status report of CSOP for 2015. The City continues to visually check the permitted CSOs on a daily basis and performs a detailed check when a rain/snow event or mechanical problem occurs. The recorded data contains information on bypassing, rain events, snow events, and mechanical problems.

As presented in Section 3 of this report, Tables 3.02-1 and 3.02-2 include 2015 data for each CSO. The data includes information on rain events, snow melts, and mechanical problems.

Maintenance and pretreatment personnel continue to inspect the system and keep all data recorded and charted on a monthly basis. These records indicate a total of nine dry weather overflows during 2015, with all nine overflows resulting from mechanical/electrical problems that were promptly corrected. Seven of the recorded dry weather overflow events also experienced measurable precipitation. Under advisement from the KDOW Morehead office inspector, these overflows were recorded as dry weather overflows because of malfunctioning equipment.

## 8.02 CONSENT JUDGMENT INCLUDING THE LTCP

The City received the Consent Judgment from the EEC on September 5, 2007. The City hired Strand Associates, Inc.® (Strand) to aid in the development of responses and submittals for the Consent Judgment, including the LTCP.

To date, the City has met all Consent Judgment deadlines for submittals. Other requirements are under development and on schedule.

The City submitted the LTCP to KDOW and USEPA on October 20, 2011. The City submitted the Final LTCP to KDOW in 2011 and received KDOW and USEPA comments on January 31, 2013, in a letter from KDOW dated January 26, 2012. The City addressed comments and submitted the Revised Final LTCP to KDOW on August 1, 2013. The City had a phone conference with KDOW and USEPA personnel on January 26, 2015. The City will revised the LTCP and submitted to KDOW and USEPA in June 2015. The Final LTCP was approved in September 2015.

## 8.03 EVALUATION OF CSOs

The improvements to the Roberts Drive, 6th Street and the 37th Street Pumping Stations have contributed to a significant decrease in CSO flow volume. In 2011, Roberts Drive contributed over 45 million total gallons. In 2012, this number decreased to only about 2 million total gallons. The total overflow volume for Roberts Drive CSO remained at about 2 million total gallons for both 2013 and 2014 and about 3 million in 2015. The same trend was seen at the 6th Street station. In 2011, 6th Street contributed 4 million total gallons. In 2012, this number decreased to just over 500 total gallons, all of which were contributed before the 6th Street Pumping Station improvement project was completed in March 2012. In 2014 and 2015, there were no overflows at the 6th Street Pumping Station CSO. The 34th and the 37th CSOs combined contributed about 92 million total gallons in 2013. The

total reduced to 54 million in 2014 and 7.5 million in 2015 with the completion of the 37th Pump Station project. These improvements provide significant reductions to the total CSO flow.

Other CSO outfalls such as 10th Street, 18th Street, and 37th Street have all seen CSO flow reductions due to these improvements. This is because pump stations do not have to double-pump flow being received from the Roberts Drive and 6th Street Pumping Stations since the flow is being directly pumped to the WWTP. This allowed for the total CSO flow to be reduced from 392 million gallons in 2011 to about 133 million gallons in 2014 and 103 million in 2015. Also, by reducing the double-pumping of these pumping stations, an \$80,000 decrease in energy cost was realized. The City's collection system currently captures over 85 percent by volume of the combined sewage collected in the CSS during precipitation events on a systemwide annual average basis.

During 2015, the City continued its efforts to improve the overall CSO program. The City has continued to implement many of the suggestions made during its 2006 inspection such as writing internal procedures for callouts, inspections, and reporting.

Two improvement projects were completed during the past year to improve the collection system. These projects are listed below.

1. Roberts Drive CSO regulator modifications: Project included raising the weir height. The project cost was \$5,000.
2. Improved 37th Street Pumping Station: The project increased the pumping station capacity and allows the pumping station to pump directly to the WWTP. The project cost was \$3,500,000.

#### **8.04 REVIEW OF NMCs**

The City submitted a report to the EEC detailing its plan for compliance based on the 1995 guidance provided by USEPA. The report was a requirement of the Consent Judgment the City entered into with EEC in September 2007. A report to these agencies was submitted by September 5, 2008, according to the terms of the Consent Judgment in effect for Ashland's CSO LTCP. The intent of the report was to provide a plan for compliance by the September 2009 deadline. The City received comments on the NMC Compliance Report in September 2009 and submitted a revised report in November 2009.

Strand was hired to prepare the review of NMC compliance for the City's CSO and CSS. The review discussed the status of the NMC programs, with attention given to each minimum control measure identified in the guidance. Planned activities for enhancements to these programs were provided. A summary of activities to be completed and the progress made is provided in Table 8.04-1. Many of these changes dovetail with those made in the CMOM Program Self-Assessment completed under the Consent Judgment.

The City received approval of the NMC compliance report from KDOW on April 23, 2010.

TABLE 8.04-1

**SUMMARY OF NMC ENHANCEMENTS RECOMMENDED IN THE 2009 NMCs COMPLIANCE REPORT**

	<b>Minimum Control</b>	<b>Major NMC Enhancements Recommendations</b>	<b>Major NMC Enhancements Progress Made</b>
1	Proper O&M	Formalize O&M programs through the development of a written O&M manual.	City has developed Sanitary Sewer Design, Construction, and Maintenance Manual. City has also developed a CSO Flow Monitoring Manual.
2	Maximization of collection system storage	Provide active tracking of infiltration/inflow testing results.	Smoke and dye testing, downspout removal.
3	Pretreatment	Initiate dialogue between the City and industrial users to explore potential improvements.	The City no longer receives hauled waste during wet weather.
4	Maximization of flow to the publicly-owned treatment works for treatment.	Installed three new manholes on Greenup Avenue trunk sewer to intercept flow before they reach the 18th Street and 19th street CSO regulators and overflow. Flow is conveyed to 26th Street PS and is pumped directly to the WWTP.	City is maximizing flow to the WWTP. LTCP CSO abatement projects are designed to increase peak flow to the WWTP. Both Roberts Drive and 6th Street Pumping Station improvements have been completed and convey flow directly to the WWTP. The 37th Street Pumping Station improvement project is about 98 percent complete.
5	Prohibition of dry weather CSOs	Consider visual aids or other devices to assist in overflow detection.	City has installed flow meters and is in the process of installing floats at all CSO outfalls and connecting them to the SCADA system to notify City personnel if there is an overflow.
6	Control of solids and floatables (S&F)	Modify street sweeping routes to focus more on the CSS. Evaluate feasible S&F controls for CSOs.	Considered in 6th Street Pump Station Improvements project. Also considered in 37th Street Pumping Station Improvements project and 34th Street.
7	Pollution Prevention Programs	No major changes.	Existing program adequate.
8	Public Notification	Explore other avenues for public involvement, including CSO page on City's Web site and e-mail notification list.	CSO warning signs installed on all outfalls. City has been using sewer bill inserts to educate the public on CSOs. City has organized public meetings in the past to educate and involve the public in the LTCP process. City created a brochure on sewer rate increases. There has been a three-part story on CSOs and the LTCP process in the Ashland newspaper "The Independent".
9	Monitoring and characterization of CSOs	Consider visual aids or automated monitoring for overflows. Develop wet weather sampling program.	City has installed flow meters on all CSO outfalls and rain gauges at three strategic locations within the collection system. City started CSO and receiving water body sampling program in December 2010 to establish baseline conditions. The City is using data collected by the flow meters to document CSO discharge information. City continued with CSO and receiving water sampling in 2012.

**APPENDIX A**  
**WASTEWATER COLLECTION CALLOUT SHEET**

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# WASTEWATER COLLECTION - 8320 CALLOUT SHEET

<u>NAME</u>	<u>CELL PHONE</u>	<u>HOME PHONE</u>	<u>OFFICE PHONE</u>
<b>RAY HALE</b> Superintendent, Col Sys Op IV	<b>(606) 922 - 8353</b>	<b>(606) 388 - 2088</b>	<b>(606) 327 - 2039</b>
<b>BRUCE WORTHINGTON</b> Field Supervisor, Col Sys Op IV	<b>(606) 694 - 2623</b>		
<b>JOHN BROWN</b> Pump Station Technician, Col Sys Op III	<b>(606) 571 - 0587</b>		
<b>RANDY SPEARS</b> Equipment Operator, Col Sys Op IV	<b>(606) 831 - 0850</b>		
<b>BRANDON CARPENTER</b> Equipment Operator, Col Sys Op I	<b>(740) 646 - 9637</b>		
<b>JAMES ABRAHANSON</b> Collection System Operator III	<b>(606) 831 - 0102</b>		
<b>RAYMOND BARNEY</b> Collection System Operator III	<b>(606) 923 - 1020</b>		
<b>RANDY DUSANG</b> Collection System Operator I (in Training)	<b>(606) 694 - 4888</b>		
<b>STAN HARRIS</b> Collection System Operator III	<b>(606) 331 - 8071</b>		
<b>DAVID PETITT</b> Collection System Operator III	<b>(606) 371 - 9205</b>		
<b>DONNA HINES ****</b> Inventory Control Clerk **** BUILDING ACCESS / PARTS ONLY	<b>(606) 465 - 5732</b>	<b>(606) 327 - 1183</b>	
<b>RYAN EASTWOOD</b> Director of Engineering and Utilities	<b>(606) 922 - 4495</b>		

## Distribution

JA Abrahamson	R Downs	SC Harris	A McDowell	R Spears
RA Barney	RC Dusang	D Hines	J Okyere (Strand Engrg)	BE Worthington
JW Brown	R Eastwood	E Huffine	D Petitt	Water Plant
CB Carpenter	WR Hale	P Huffman	B Prater	

**APPENDIX B**  
**CSO DATA COLLECTED BY FLOW METERS**

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Consent Judgement Annual Report  
2015 CSO Flow Meter Data  
City of Ashland, Kentucky

Site Name	6th Street	10th Street	15th Street	18th Street	19th Street	26th Street	34th Street	37th Street	Roberts Drive	Roberts Drive Rain	WWTP Rain	WTP Rain
Date	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow			
	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Inches	Inches	Inches
2/1/2015 0:00	0	0	0	0	0	2,710	0	No meter installed	32,230	0.36	0.25	0.3
2/2/2015 0:00	0	0	2,520	0	0	0	17		15,482	0.09	0.15	0.14
2/3/2015 0:00	0	0	5,247	32,791	9,122	0	113		0	0	0	0
2/4/2015 0:00	0	0	0	0	0	21,884	0		0	0	0	0
2/5/2015 0:00	0	0	0	0	0	31,223	0		0	0	0	0
2/6/2015 0:00	0	0	1	0	0	29,466	0		0	0	0	0
2/7/2015 0:00	0	0	0	0	0	24,210	0		0	0	0	0
2/8/2015 0:00	0	0	0	0	0	13,636	0		0	0	0	0
2/9/2015 0:00	0	0	0	0	0	3,593	0		0	0	0	0
2/10/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/11/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/12/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/13/2015 0:00	0	0	1	0	0	0	0		0	0.01	0	0.01
2/14/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/15/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/16/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/17/2015 0:00	0	0	0	0	0	0	0		0	0	0.01	0
2/18/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/19/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/20/2015 0:00	0	0	0	0	0	0	0		0	0	0	0
2/21/2015 0:00	0	0	0	0	0	73,764	0		0	0.57	0.29	0.83
2/22/2015 0:00	0	0	1,761	66,054	15,095	136,367	4		17,150	0.37	0.02	0.4
2/23/2015 0:00	0	0	2,211	50,687	10,363	0	3		14,936	0	0	0
2/24/2015 0:00	0	0	0	0	18	0	0		6,462	0	0	0
2/25/2015 0:00	0	0	1	0	0	0	0		8,530	0	0	0
2/26/2015 0:00	0	0	0	0	0	0	0		18,208	0	0	0
2/27/2015 0:00	0	0	0	0	0	0	0		809	0	0	0
2/28/2015 0:00	0	0	365	0	0	0	0		4,495	0	0	0
<b>Monthly Net Positive Flow</b>	<b>0</b>	<b>0</b>	<b>12,108</b>	<b>149,532</b>	<b>34,597</b>	<b>336,854</b>	<b>136</b>	<b>0</b>	<b>118,302</b>	<b>1.40</b>	<b>0.72</b>	<b>1.68</b>
<b>Monthly Total Negative Flow</b>												

Flows in italics have been edited to remove interference and metering errors. Raw unedited data is still available for viewing.

Dates and locations where CSO volumes are less than 350 gallons with no corresponding precipitation are not being counted as CSO events. These volumes are considered anomalies associated with the area-velocity flow meters.

CSO volumes less than 200 gallons are considered anomalies.

Negative volumes are the result of stormwater flowing into the CSS at the CSO regulator location.

Consent Judgement Annual Report  
2015 CSO Flow Meter Data  
City of Ashland, Kentucky

Site Name	6th Street	10th Street	15th Street	18th Street	19th Street	26th Street	34th Street	37th Street	Roberts Drive	Roberts Drive Rain	WWTP Rain	WTP Rain
Date	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Inches	Inches	Inches
	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons			
3/1/2015 0:00	0	0	0	5,249	22	18,471	0	0	4,495	0.36	0.32	0.34
3/2/2015 0:00	0	0	1,163	0	0	0	0	0	79,313	0.03	0.01	0.02
3/3/2015 0:00	0	0	0	0	0	0	0	0	31,211	0.06	0.04	0.05
3/4/2015 0:00	0	0	159	2,136,992	601,861	314,659	251	0	No Data	1.36	1.32	1.42
3/5/2015 0:00	0	0	77,844	94,062	15,236	724,213	0	0	52,853	0	0	0
3/6/2015 0:00	0	4,411	257	80,031	23,030	48,714	0	0	9,935	0.01	0.07	0
3/7/2015 0:00	0	42,318	76,021	1,207,562	106,401	961,483	132	0	0	0.48	0.17	0.61
3/8/2015 0:00	0	47,595	43,044	2,984,666	25,483	1,331,445	0	0	28,497	0	0	0.01
3/9/2015 0:00	0	435	20,819	36,658	134	2,513	0	0	4,587	0	0	0
3/10/2015 0:00	0	0	337	1,647,237	545,483	647,276	334	0	0	1.22	1.23	1.38
3/11/2015 0:00	0	0	195,793	230,084	1,598	627,375	4	0	597,284	0	0	0.01
3/12/2015 0:00	0	0	0	7,365	0	8,935	0	0	8,139	0	0	0
3/13/2015 0:00	0	9,384	608	1,419,592	468,902	3,847,454	282,293	0	0	1.04	0.96	1.11
3/14/2015 0:00	0	668,806	226,861	2,244,919	106,731	7,879,018	548,879	0	6,753	0.4	0.37	0.36
3/15/2015 0:00	0	94,763	107,957	304,688	71	2,528,530	606	0	33,919	0	0	0
3/16/2015 0:00	0	0	72,741	20,591	0	0	734	0	0	0	0	0
3/17/2015 0:00	0	0	61,370	21,697	0	0	641	0	0	0	0	0
3/18/2015 0:00	0	0	62,498	13,726	0	0	19	0	0	0	0	0
3/19/2015 0:00	0	0	67,086	8,135	2,654	29,286	29,300	0	496	0.2	0.12	0.14
3/20/2015 0:00	0	0	9,811	0	1,066	0	241	0	331	0.12	0.16	0.19
3/21/2015 0:00	0	0	79	0	0	0	19	0	918	0	0	0
3/22/2015 0:00	0	0	0	0	0	0	0	0	403	0	0	0
3/23/2015 0:00	0	0	0	0	0	0	0	0	93	0	0	0
3/24/2015 0:00	0	0	0	0	0	0	0	0	892	0	0	0
3/25/2015 0:00	0	908	0	0	0	0	0	0	0	0	0	0
3/26/2015 0:00	0	16	0	0	0	0	15	0	No Data	0.16	0.05	0.03
3/27/2015 0:00	0	0	57	0	0	0	0	426,764	2,105	0.01	0	0
3/28/2015 0:00	0	0	0	0	0	0	0	839,430	79	0	0	0
3/29/2015 0:00	0	0	0	0	0	0	0	0	0	0.01	0	0
3/30/2015 0:00	0	0	0	66	66	0	0	0	0	0.02	0.02	0.03
3/31/2015 0:00	0	0	3	171	171	0	1		193	0	0	0
<b>Monthly Net Positive Flow</b>	<b>0</b>	<b>868,636</b>	<b>1,024,507</b>	<b>12,463,491</b>	<b>1,898,909</b>	<b>18,969,372</b>	<b>863,467</b>	<b>1,266,194</b>	<b>862,496</b>	<b>5.48</b>	<b>4.84</b>	<b>5.70</b>
<b>Monthly Total Negative Flow</b>												

Flows in italics have been edited to remove interference and metering errors. Raw unedited data is still available for viewing.  
 Dates and locations where CSO volumes are less than 350 gallons with no corresponding precipitation are not being counted as CSO events. These volumes are considered anomalies associated with the area-velocity flow meters.  
 CSO volumes less than 200 gallons are considered anomalies.  
 Negative volumes are the result of stormwater flowing into the CSS at the CSO regulator location.











Consent Judgement Annual Report  
2015 CSO Flow Meter Data  
City of Ashland, Kentucky

Site Name	6th Street	10th Street	15th Street	18th Street	19th Street	26th Street	34th Street	37th Street	Roberts Drive	Roberts Drive Rain	WWTP Rain	WTP Rain
Date	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Inches	Inches	Inches
	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons			
9/1/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/2/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/3/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/4/2015 0:00	0	0	0	0	0	0	0	0	0	0.01	0.11	0
9/5/2015 0:00	0	0	13,669	31,238	10,337	0	0	0	778	0	0	0
9/6/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/7/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/8/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
9/9/2015 0:00	0	0	0	0	0	0	0	0	0	0	0.6	0.33
9/10/2015 0:00	0	0	6,811	133,363	21,848	0	0	0	0	0	0.12	0.12
9/11/2015 0:00	0	0	423	434	0	0	0	0	1,781	0	0.06	0.03
9/12/2015 0:00	0	0	168	0	0	0	0	0	0	0	0.72	0.02
9/13/2015 0:00	0	5,165	55,747	248,942	36,274	0	30,235	0	1,725	0	0	0.11
9/14/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.2
9/15/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.15
9/16/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.09
9/17/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.01
9/18/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.01
9/19/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0.03	0.01
9/20/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.01
9/21/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0
9/22/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.01
9/23/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0
9/24/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0	0.01
9/25/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0.03	0.04
9/26/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0.14	0.02
9/27/2015 0:00	0	0	159	0	No Data-Battery?	0	0	0	813	0	0.02	0.02
9/28/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0.01	0.02
9/29/2015 0:00	0	0	0	0	No Data-Battery?	0	0	0	0	0	0.29	0.02
9/30/2015 0:00	0	0	364	0	No Data-Battery?	2,271	0	0	1,435	0	0.01	0.01
<b>Monthly Net Positive Flow</b>	<b>0</b>	<b>5,165</b>	<b>77,340</b>	<b>413,977</b>	<b>68,459</b>	<b>2,271</b>	<b>30,235</b>	<b>0</b>	<b>6,532</b>	<b>0.01</b>	<b>2.14</b>	<b>1.24</b>
<b>Monthly Total Negative Flow</b>												

Flows in italics have been edited to remove interference and metering errors. Raw unedited data is still available for viewing.

Dates and locations where CSO volumes are less than 350 gallons with no corresponding precipitation are not being counted as CSO events. These volumes are considered anomalies associated with the area-velocity flow meters.

CSO volumes less than 200 gallons are considered anomalies.

Negative volumes are the result of stormwater flowing into the CSS at the CSO regulator location.

Consent Judgement Annual Report  
2015 CSO Flow Meter Data  
City of Ashland, Kentucky

Site Name	6th Street	10th Street	15th Street	18th Street	19th Street	26th Street	34th Street	37th Street	Roberts Drive	Roberts Drive Rain	WWTP Rain	WTP Rain
Date	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow	Total Flow			
	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Gallons	Inches	Inches	Inches
10/1/2015 0:00	0		0	0	0	0	0	0	0	0	0	0.18
10/2/2015 0:00	0	0	0	0	5,240	0	0	0	12,471	0	0.52	0.6
10/3/2015 0:00	0	0	30,006	123,835	0	63,639	0	0	583	0	0.09	0.11
10/4/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/5/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/6/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/7/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/8/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/9/2015 0:00	0	0	0	0	0	0	0	0	533	0	0.12	0.34
10/10/2015 0:00	0	0	499	0	0	0	0	0	0	0	0	0
10/11/2015 0:00	0	0	0	0	0	0	0	0	0	0	0.01	0
10/12/2015 0:00	0	0	0	0	0	0	0	0	0	0	0.02	0.03
10/13/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0.02
10/14/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/15/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/16/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/17/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/18/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/19/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/20/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/21/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/22/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/23/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/24/2015 0:00	0	0	0	0	0	0	0	0	0	0	0.04	0.06
10/25/2015 0:00	0	0	0	0	0	0	0	0	0	0	0.05	0.07
10/26/2015 0:00	0	0	0	271	0	0	0	0	0	0	0	0
10/27/2015 0:00	0	0	0	0	17,005	0	0	0	0	0	0.66	0.75
10/28/2015 0:00	0	0	6,064	182,610	12,379	229,532	0	0	0	0	0.21	0.19
10/29/2015 0:00	0	0	1,237	15,593	0	319,553	0	0	0	0	0.03	0.02
10/30/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
10/31/2015 0:00	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Net Positive Flow</b>	<b>0</b>	<b>0</b>	<b>37,805</b>	<b>322,309</b>	<b>34,624</b>	<b>612,724</b>	<b>0</b>	<b>0</b>	<b>13,587</b>	<b>0.00</b>	<b>1.75</b>	<b>2.37</b>
<b>Monthly Total Negative Flow</b>					<b>-58,788</b>				<b>-39,010</b>			

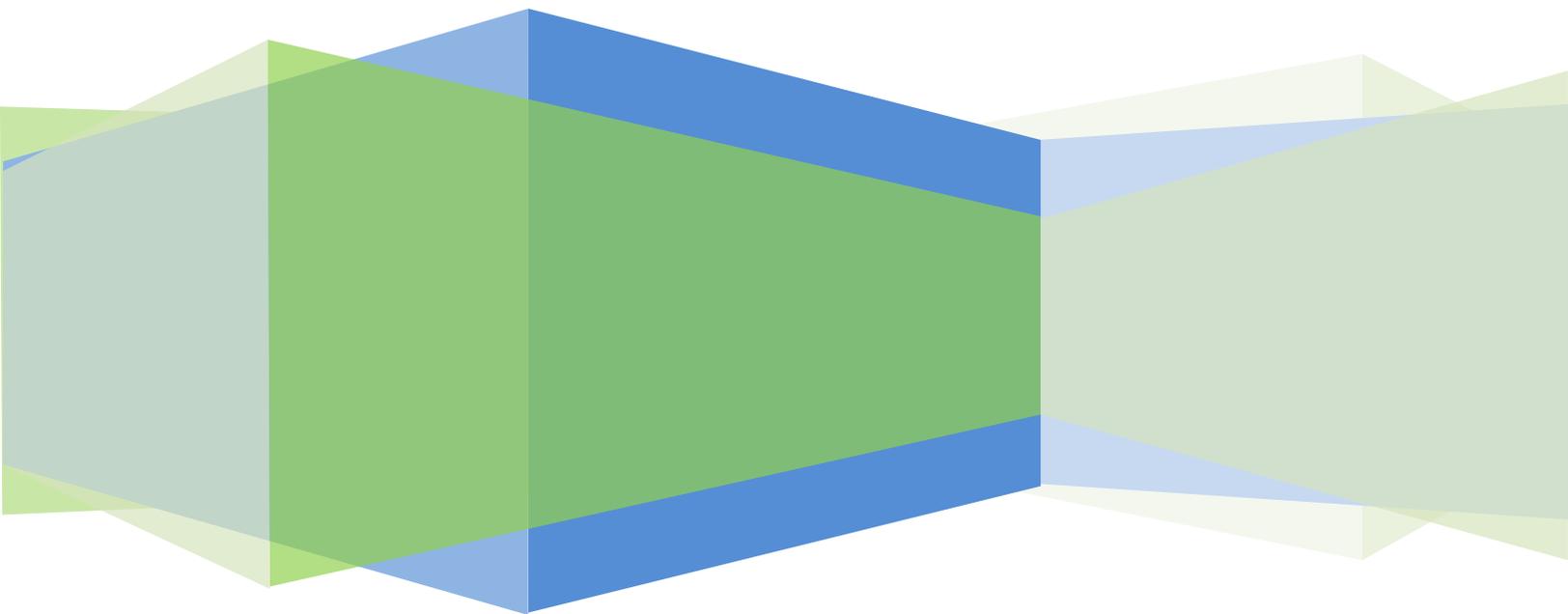
Flows in italics have been edited to remove interference and metering errors. Raw unedited data is still available for viewing.  
 Dates and locations where CSO volumes are less than 350 gallons with no corresponding precipitation are not being counted as CSO events. These volumes are considered anomalies associated with the area-velocity flow meters.  
 CSO volumes less than 200 gallons are considered anomalies.  
 Negative volumes are the result of stormwater flowing into the CSS at the CSO regulator location.





# Appendix “D”

## Summary of CSOs and SSOs



# WASTEWATER COLLECTION - 8320 CALLOUT SHEET

<u>NAME</u>	<u>CELL PHONE</u>	<u>HOME PHONE</u>	<u>OFFICE PHONE</u>
<b>RAY HALE</b> Superintendent, Col Sys Op IV	<b>(606) 922 - 8353</b>	<b>(606) 388 - 2088</b>	<b>(606) 327 - 2039</b>
<b>BRUCE WORTHINGTON</b> Field Supervisor, Col Sys Op IV	<b>(606) 694 - 2623</b>		
<b>JOHN BROWN</b> Pump Station Technician, Col Sys Op III	<b>(606) 571 - 0587</b>		
<b>JAMES ABRAHANSON</b> Pump Station, Col Sys Op III	<b>(606) 831 - 0102</b>		
<b>STAN HARRIS</b> Crew Leader, Col Sys Op III	<b>(606) 331 - 8071</b>		
<b>RANDY SPEARS</b> Crew Leader, Col Sys Op IV	<b>(606) 831 - 0850</b>		
<b>MARK CADE</b> Equipment Operator	<b>(740) 547-7554</b>		
<b>DAVID PETITT</b> Equipment Operator, Col Sys Op III	<b>(606) 371 - 9205</b>		
<b>JEFFREY BURCHETT</b> Collection System Operator II	<b>(606) 694-1215</b>		
<b>ADAM WELLMAN</b> Collection System Operator I (in Training)	<b>(606) 831-3514</b>		
<b>ALEX WELLMAN</b> Collection System Operator I (in Training)	<b>(606) 831-4080</b>		
<b>RAYMOND BARNEY</b> Inventory Control Clerk, Col Sys Op III **** BUILDING ACCESS / PARTS ONLY	<b>(606) 923 - 1020</b>		
<b>RYAN EASTWOOD</b> Director of Engineering and Utilities	<b>(606) 922 - 4495</b>		

Distribution

JA Abrahamson	R Downs	SC Harris	A McDowell	R Spears
RA Barney	Adam Wellman	Alex Wellman	J Okyere (Strand Engrg)	BE Worthington
JW Brown	R Eastwood	E Huffine	D Petitt	Water Plant
JA Burchett	WR Hale	P Huffman	B Prater	D Campbell
J Hanners				

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December 31  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:30 Am

Time Ending: 9:00 Am

Location: 2114 Blackburn Ave,

Event Description: manhole overflowing

Means of Solving Event: Ran jet truck 120 yd. and  
open manhole up.

Crewleader on Event: David Patitt, Jeff Burchett

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
13, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:36 pm

Time Ending: 2:42 pm

Location: 2330 6<sup>th</sup> St.

Event Description: manhole overflowing

Means of Solving Event: Ran jet truck 7 ft. used 30 gallons  
of water open lids, cause grease & rags

Crewleader on Event: Beworthington David Pitt, Jeff Burchett  
Heaf Wellman

Supervisor Reported to: Beworthington

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
11, 2015

Main Size: 8"

Est Flow: \_\_\_\_\_

Time Found: 2:30 pm

Time Ending: 3:00 pm

Location: End of Horn St

Event Description: sewer draining out of top of pipe

Means of Solving Event: broke top half out and pulled roots out, finish replain later. screen in pipe

Crewleader on Event: Stan Harris, James Abrahamson,  
Alex Wellman, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb  
Reported December 17, 2015  
9:07 Am BSW

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
10, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 12:57 pm

Time Ending: 1:50 pm

Location: 43rd & Daniels

Event Description: 8" main broke out in creek

Means of Solving Event: replaced with plastic

Crewleader on Event: David Petitt, Jeff Burchett,  
Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
5, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 1:05  
pm

Time Ending: December 9, 2015  
2:30pm

Location: 3119 Cogan

Event Description: broke main while repairing  
We are bypass pumping and tap is  
going back into main, leading open because  
relaying main, concrete pipe and it is in bad  
shape, may lose again

Means of Solving Event: City relayed main from manhole  
to manhole

Crewleader on Event: Ben Worthington, David Pettit, Jeff Burchett  
James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
7, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:00 pm

Time Ending: 2:45 pm

Location: 536 Dixon St

Event Description: Coming out clean out on main

Means of Solving Event: Ran jet truck 28ft and  
open up

Crewleader on Event: David Pettit, Jeff Burchett, James  
Abrahamson, Stan Harris, Adam Wellman

Supervisor Reported to: Ray Hale

C.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
2, 2015

Main Size: 18"

Est. Flow: \_\_\_\_\_

Time Found: 2, \_\_\_\_\_

December 2, 2015  
Time Ending: 11:00am

Location: 870 39th St.

Event Description: found where manhole had overflowed  
knock lid off

Means of Solving Event: After rain

Crewleader on Event: Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
1, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

December 2, 2015

Time Found: 11:28 AM

Time Ending: 1:27 pm

Location: 5308 168

Event Description: man hole overflowing due to  
heavy rain

Means of Solving Event: \_\_\_\_\_

Crewleader on Event: James Abrahamson, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb. Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December 1  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:02 Am

Time Ending: 11:28 Am

Location: 4201 168

Event Description: main over load by flow

Means of Solving Event: Rain

Crewleader on Event: Ray Hale, Beebe/Thinglen

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: December  
1, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:26 Am

Time Ending: 10:21 Am

Location: 3119 Calvin St.

Event Description: sewer stop up and came  
up in basement

Means of Solving Event: Ran jet open main, camera  
main to see what cause was

Crewleader on Event: Ray Hale, David Pettit,  
Jeff Burcheff, Ben Worthington

Supervisor Reported to: Ray Hale

O.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: November 23 Main Size: 6"  
2015

Est. Flow: \_\_\_\_\_

Time Found: 11:55 Am

Time Ending: 12:32 pm

Location: 3116 Mason St.

Event Description: Sewer came up in basement

Means of Solving Event: Ran jet and open line

Crewleader on Event: David Pettitt, Jeff Burchett, Ben Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: November  
9, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:45pm

Time Ending: November 10, 2015  
8:20 AM

Location: Gla low Apts 13<sup>th</sup> St

Event Description: 8" fail needs dug out and  
repaired

Means of Solving Event: Dug back in bank and put  
together.

Crewleader on Event: Randy Spens, James Abrahamson,  
Mark Cade, Jeff B / Repair crew Jeff B, Alex Wellman,  
Stan Harris, Mark Cade

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: October  
21, 2015

Main Size: 6<sup>VI</sup>

Est Flow: \_\_\_\_\_

Time Found: 10:10 AM

Time Ending: 10:35 AM

Location: 1520 Chestnut Hill Dr.

Event Description: cleanout holding, came out  
white unstopping main

Means of Solving Event: Ran jet truck to open and  
camera line

Crewleader on Event: David Pettit, Alex, Adam  
Wellman, Jeff Burchett

Supervisor Reported to: B. Worthington

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: October 14  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: \_\_\_\_\_

9:30 Am

Time Ending: \_\_\_\_\_

9:40 Am

Location: \_\_\_\_\_

527 Hagan Ct.

Event Description: \_\_\_\_\_

Run jet truck back up in basement

Means of Solving Event: \_\_\_\_\_

Don't run jet new jet truck  
to much flow, for 6" line

Crewleader on Event: \_\_\_\_\_

David Petitt, Adam Wellman,  
James Abrahamson

Supervisor Reported to: \_\_\_\_\_

Ray Hale

D.O.W. Representative Reported to: \_\_\_\_\_

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: October  
14, 2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 9:30 Am

Time Ending: 9:40 Am

Location: 609 Hagon Ct.

Event Description: Ran jet truck back up in basement

Means of Solving Event: Do not run jet truck  
to much flow for 6" line

Crewleader on Event: David Petitt, Adam Wellman,  
James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: October 6  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 11:00 Am

Time Ending: 12:45 pm

Location: 1200 Long St.

Event Description: Repair 8" main crossing creek

Means of Solving Event: Replaced with 8" sch 40 Cuater  
pipe.

Crewleader on Event: Steen Harris, Alex Wellman,  
Mark Cade

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Start Katrina, Stop Dep.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: September  
24, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:45 Am

Time Ending: 10:40 Am

Location: Corner of Stewart & Lewis Lane

Event Description: Sewer man stepped up

Means of Solving Event: Ran jet truck and open, blockage  
unknown, camera line at later date

Crewleader on Event: David Pettitt, Mark Cade, Stan  
Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August  
31, 2015

Main Size: 4 1/2"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 10:30 Am

Time Ending: September 1 2015  
9:30 Am

Location: 4508 Blackburn Ave

Event Description: 4" broke out call in line locates  
and got little track off water Dept  
Rent track hot to repair, water in use

Means of Solving Event: dug out and put lateral back  
together

Crewleader on Event: Randy Spears, Mark Cade, Stan Harris,  
Alex Wellman, Adam Wellman, Jeff Rurchett

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb, Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August  
31, 2015

Main Size: 10"

Est. Flow: \_\_\_\_\_

Time Found: 10:30 AM

Time Ending: 1:00 PM

Location: 4508 Blackburn Ave.

Event Description: main line stopped up and overflowing

Means of Solving Event: Ran main with jet truck  
open up. roots

Crewleader on Event: Randy Spoons, Mark Cade, Stan Harris,  
Alex Wellman, Adam Wellman, Jeff Burchett

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August  
26, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:30pm

Time Ending: 3:18pm

Location: 2731 Blackburn Ave Ashland Middle School

Event Description: Manhole overflowing

Means of Solving Event: Ran jet truck and open  
found trap

Crewleader on Event: Randy Speers, Adam Wellman,  
Ray Hale, B. Subringham

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August  
26, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 10:00 Am

Time Ending: 10:50 Am

Location: 1200 Long St.

Event Description: line broke out in creek

Means of Solving Event: repair main

Crewleader on Event: Stan Harris, Alex Wellman  
David Pettitt, Mark Cade

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August 24  
2015

Main Size: 6"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 9:25 AM

Time Ending: 2:30 PM

Location: 2202 Dixon St.

Event Description: lateral line broke down in creek

Means of Solving Event: Repaired line

Crewleader on Event: Stan Harris, Alex Wellman

Supervisor Reported to: Ray Hal

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August 19  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 8:30 Am

Time Ending: August 21, 2015  
11:49 Am

Location: 715 Ernestine St.

Event Description: St. Dept. found while repairing catch basin, not running at the time and still gurgling through sewer line.

Means of Solving Event: August 20, 2015 push camera mark to dig, line located, repaired August 21, 2015

Crewleader on Event: Randy S, David P, Alex W, Adam K

Supervisor Reported to: ~~Deb~~ Ray Halp

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: August 10  
2015

Main Size: 18"

Est. Flow: \_\_\_\_\_

Time Found: \_\_\_\_\_

4:01 pm

Time Ending: \_\_\_\_\_

4:10 pm

Location: \_\_\_\_\_

870 39th St

Event Description: \_\_\_\_\_

manhole overflowing

Means of Solving Event: \_\_\_\_\_

Due to hard rain

Crewleader on Event: \_\_\_\_\_

Bruce Worthington

Supervisor Reported to: \_\_\_\_\_

Ray Hale

D.O.W. Representative Reported to: \_\_\_\_\_

Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 28  
2015

Main Size: 15"

Est. Flow: \_\_\_\_\_

Time Found: 11:07 Am

Time Ending: August 7, 2015  
6:00 pm

Location: 3100 Roberts Dr, Creek Bridge Apartments

Event Description: Main leaking in Creek, called in like  
locates, moving Eq. in. Dig line out July 29  
2015 8:00 pm

Means of Solving Event: 47 ft. line relayed, August 4, 2015  
broke pipe & let creek & sewer run in  
August 7, 2015 found manhole and bypass sewer  
creek.

Crewleader on Event: Randy Spears, Mark Cade, Jeff Burchett,  
Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 21  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 3:00 pm

Time Ending: 5:10 pm

Location: 833 McCullough Dr.

Event Description: Gas Co. broke 8" clay tile

Means of Solving Event: Repaired 8" line

Crewleader on Event: Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 20  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 1:00  
pm

Time Ending: July 21, 2015  
9:30 Am

Location: 2752 Carolyn St

Event Description: Plumbers found broke down on  
right of way, called in line locates, dig  
in morning

Means of Solving Event: Dig out and repair

Crewleader on Event: Randy Spears, Alex Wellman, Mark  
Cade, Jeff Burchett

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 17  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: unknown

Time Ending: unknown

Location: 3416 Willis

Event Description: Flooded basement.

Means of Solving Event: The water had gone down believe it  
happened when 3420 Willis basement flood.  
July 15, 2015  
Cause roots

Crewleader on Event: Randy Spears, David Petitt

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 9:00 Am

Time Ending: 9:15 Am

Location: 3404 Ridge way Dr

Event Description: flooded basement.

Means of Solving Event: Ran jet truck & open

Crewleader on Event: Beworthington, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2013

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 1:30 Am

Time Ending: 2:00 Am

Location: 3420 Willis St.

Event Description: Flooded basement

Means of Solving Event: Ran jet truck open man

Crewleader on Event: Ben Worthington, David Pettit

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 1:50 pm

Time Ending: 3:00 pm

Location: 1655 Elliot Ave.

Event Description: loss while repairing main

Means of Solving Event: put main together

Crewleader on Event: Stan H, Mark Cade, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 13  
2015 Main Size: 8" Est. Flow: \_\_\_\_\_  
Time Found: 5:20 pm Time Ending: 5:25 pm

Location: 2415 South 29th St.

Event Description: water in basement

Means of Solving Event: Run jet truck main open

Crewleader on Event: Beworthington, John Brown

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 1:50 pm

Time Ending: 3:00 pm

Location: 1655 Elliot Ave.

Event Description: loss while repairing main

Means of Solving Event: put main together

Crewleader on Event: Stan H, Mark Cade, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2015 Main Size: 6" Est. Flow: \_\_\_\_\_

Time Found: 9:00 Am Time Ending: 9:15 Am

Location: 3404 Ridge way Dr

Event Description: flooded basement.

Means of Solving Event: Ran jet truck & open

Crewleader on Event: Beworthington, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 15  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 1:30 Am

Time Ending: 2:00 Am

Location: 3420 Willis St.

Event Description: flooded basement

Means of Solving Event: Ran jet truck open man

Crewleader on Event: B & Worthington, David Pettit

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: July 14  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:45 Am

Time Ending: 12:06 Am

Location: 3925 Valley View Dr.

Event Description: manhole over flowing

Means of Solving Event: put hand rod in and got open  
used vac to get clay tile and black top  
out

Crewleader on Event: Stan Harris, Mark Cade, Adam  
Wellman, Jeff Burchett

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 27

2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 1:54 pm

Time Ending: 2:10 pm

Location: 3427 Thompson Dr.

Event Description: Manhole overflow

Means of Solving Event: Ran jet truck open line, grease

Crewleader on Event: Brian King, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 24  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 9:00 AM

Time Ending: 10:00 AM

Location: 1913 Weymouth

Event Description: setting manhole

Means of Solving Event: replace with plastic

Crewleader on Event: Randy S, Stan H, David P, Adam W

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 22  
2015 Main Size: 8" Est. Flow: \_\_\_\_\_

Time Found: 2:00 pm Time Ending: 4:10 pm

Location: Dead end of Elk St.

Event Description: manhole stop up overflowing.

Means of Solving Event: Ran jet truck and open.

Crewleader on Event: Stan Harris, Adam Wellman,  
David Pettit, Beau Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 22  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:45 Am

Time Ending: 1:22 pm

Location: 1913 Weymouth Dr.

Event Description: While digging out around pipe to  
set a manhole, broke the line.

Means of Solving Event: Repaired with plastic

Crewleader on Event: Stan Harris, Randy Spears,  
David Pettitt, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 9  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 3:00 pm

Time Ending: 5:30 pm

Location: Mindy Jane # 168

Event Description: line stopped up and manhole  
over flowing.

Means of Solving Event: Ran jet truck and open and  
wash creek.

Crewleader on Event: Ray Hale, Stan Harris, Adam Wellman,  
B Subbalingam

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 9  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 3:00 pm

Time Ending: 5:30 pm

Location: Mindy Jane + 168

Event Description: line stopped up and manhole  
overflowing.

Means of Solving Event: Ran jet truck and open and  
wash creek.

Crewleader on Event: Ray Hale, Stan Harris, Adam Wellman,  
B. S. Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: June 2  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 1:30pm

Time Ending: June 3, 2015  
9:35 Am

Location: 100 Blackburn Ave.

Event Description: Some one broke down clean out  
hole in bottom of pipe

Means of Solving Event: Hydro excavated and installed  
a new clean out

Crewleader on Event: Randy Spears, David Pettitt,  
Adam Wellman, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Debo

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: May 15  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 10:30 Am

Time Ending: 1:30 pm

Location: 5075 Maid Marion

Event Description: Digging out to replace power cord  
hit lateral

Means of Solving Event: Repaired lateral

Crewleader on Event: John Brown, Stan Harris, Chad Abrams

Supervisor Reported to: Ray Hoke

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: May 15  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 8:00 pm

Time Ending: 8:05 pm

Location: 4820 Williams Ave

Event Description: Sewer came out cleanout when  
starting Jet truck hose in line

Means of Solving Event: lateral open

Crewleader on Event: Beworthington, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: May 16  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 3:00 pm

Time Ending: 3:20 pm

Location: 3420 Willis St.

Event Description: sewer backed up in basement

Means of Solving Event: washed out with Jet truck

Crewleader on Event: Bruce Worthington Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: May 12  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:30 pm

Time Ending: 11:45 pm

Location: 2412 Boone St.

Event Description: Road fell in and broke main

Means of Solving Event: Replaced clay tile with plastic  
pipe.

Crewleader on Event: Stan Harris, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: May 5  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 10:40 AM

Time Ending: May 8, 2015  
1:00 pm

Location: 1433 Wurts Ave.

Event Description: broke main while installing tap and  
repairing main, sewer going back into pipe

Means of Solving Event: \_\_\_\_\_

Crewleader on Event: David Pettit, Randy Spears, Chad  
Abrams, Adam Wellman

Supervisor Reported to: Ray Halo

D.O.W. Representative Reported to: Deb.

May 12 10:30 AM, start redoing rest on line Deb.  
3:15 pm stop, stayed in ditch

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 27  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 10:30 Am

Time Ending: 12:50 pm

Location: 2013 Sharon Rd.

Event Description: 4" lateral stopped up on right of way  
back up in basement

Means of Solving Event: Ran jet truck and open

Crewleader on Event: Stan Harris, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 22  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 1:30 pm

Time Ending: April 24, 2015  
2:15 pm

Location: 1421 Maryland Parkway

Event Description: 4" lateral broke out

Means of Solving Event: repair, replaced with plastic

Crewleader on Event: Randy Spears, Stan Harris,  
David Pettit, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 23  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 11:30 AM

Time Ending: 1:05 PM

Location: 4344 Ferguson

Event Description: broke line while repairing clay tile

Means of Solving Event: Replace with plastic

Crew/leader on Event: Randy Spears, Stan Harris, David Pettit,  
Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 21  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 11:15 Am

Time Ending: 12:20pm

Location: 2625 Jackson

Event Description: 4" cleanout over flowing

Means of Solving Event: Ran jet truck and unstepped  
rags.

Crewleader on Event: David Petitt, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 19  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 6:30pm

Time Ending: 6:45pm

Location: 4344 Ferguson

Event Description: sewer stopped up and back up  
in basement,

Means of Solving Event: Ran jet truck and open mains  
Will be back to dig main.

Crewleader on Event: B E Worthington, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 14  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:53 Am

Time Ending: April 15, 2015  
1:38 pm

Location: 4201 168

Event Description: manhole overflowing due to flooding

Means of Solving Event: water goes down and stops  
man also found manhole letting creek water  
into system, seal it up

Crewleader on Event: James Abrahamson, Adam  
Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 14  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:20 Am

Time Ending: 9:00 Am

Location: Floyd St.

Event Description: Sewer stopped up and in 3218, 3210,  
3213 basements

Means of Solving Event: Ran jet truck and open, camera  
main: OK

Crewleader on Event: Randy Spears, Stan Harris,  
James Abrahamson, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 11  
2015 Main Size: 4" Est. Flow: \_\_\_\_\_  
lateral

Time Found: 4:55 pm Time Ending: 5:10 pm

Location: 2223 Creeks St.

Event Description: cleanout holding

Means of Solving Event: Ran jet truck and open line & pulled  
rocks out on head (jet truck head)

Crewleader on Event: Ben Worthington, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 8  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:00 pm

Time Ending: 9:20 pm

Location: 4344 Ferguson

Event Description: sink hole, sewer coming out

Means of Solving Event: Ran jet truck, open main, barreade  
hole and come back and repair

Crewleader on Event: Brewerthington, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 2  
2015

Main Size: 8"r

Est. Flow: \_\_\_\_\_

Time Found: 2:59pm

Time Ending: 4:30pm

Location: 800 Montgomery

Event Description: manhole overflowing

Means of Solving Event: unstop with jet truck, cause  
sand rags

Crewleader on Event: Randy Spears, James Abrahamson  
David Petitt, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 3 2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 11:20 Am

Time Ending: 12:45 pm

Location: 1429 Wurts Ave

Event Description: sewer coming out 6" cleanout

Means of Solving Event: Ran jet truck and open

Crewleader on Event: Bruce Worthington, David Pettit

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 4  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 7:07pm

Time Ending: 7:30pm

Location: 711 17th St.

Event Description: 4" cleanout overflow

Means of Solving Event: Ran jet truck and open

Crewleader on Event: Ben Worthington, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: April 5, 2015 Main Size: 4" Est. Flow: \_\_\_\_\_  
Time Found: 3:46pm lateral Time Ending: 4:17pm

Location: 3428 Douglas

Event Description: sewer coming out 4" cleanout.

Means of Solving Event: Ran jet truck and open

Crewleader on Event: Bee Worthington, John Brown

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March  
30, 2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 12:40pm

Time Ending: 1:00pm

Location: 1720 Oakview Rd.

Event Description: manhole overflowing

Means of Solving Event: Ran Jet truck and unstop  
main cause unknown

Crewleader on Event: James Abrahamson, Adam  
Wellman, David Pettitt, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March  
30, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:10 Am

Time Ending: 8:51 Am

Location: 3519 Thompson Dr.

Event Description: manhole overflowing

Means of Solving Event: Ran jet truck open, main,  
and chemical bricks out of manhole

Crewleader on Event: James Abrahamson, Adam  
Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 27

2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:45 Am

Time Ending: 9:15 Am

Location: 5225 Blackburn Ave

Event Description: Home owner while ditching & broke  
top off sewer pipe. (Clay tile.)

Means of Solving Event: dug out and replaced with  
plastic, sewer stayed in ditch

Crewleader on Event: Stan Harris, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 25  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 10:30 pm

Time Ending: March 26  
2015  
12:46 Am

Location: 5th St. Behind Texas Roadhouse

Event Description: main stop up coming out 4"  
Clean out

Means of Solving Event: Ran jet truck, open main,  
grease • Have everyone clean grease traps  
Monthly

Crewleader on Event: Ben Worthington, Adam Wollman

Supervisor Reported to: Ray Hale

C.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 19  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 12:28pm

Time Ending: March 19, 2015  
7:20 pm

Location: 2954 Shadowland

Event Description: manhole over flow

Means of Solving Event: River backs up and covers  
manhole

Crewleader on Event: Ray Hale, Ben Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb, Katrina Steg

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 18  
2015

Main Size: 6"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 5:15 pm

Time Ending: March 19, 2015  
7:30 pm

Location: 376 Ferry St

Event Description: Water Dept broke out while  
repairing water line

Means of Solving Event: replace with plastic line

Crew/leader on Event: Ben Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb, Katrina stop

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 15  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 3:15 pm

Time Ending: 4:00 pm

Location: 1616 Elliot Ave.

Event Description: Main step up flooded basement

Means of Solving Event: Ram jet truck & open

Crewleader on Event: Beworthington, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 11 2015 Main Size: \_\_\_\_\_ Est. Flow: \_\_\_\_\_  
Time Found: 2:30 pm Time Ending: March 12, 2015  
3:30 pm

Location: 1913 Weymouth Dr

Event Description: Sewer main step up

Means of Solving Event: dug out and open up; repaired line  
was running just truck the wrong way.

Crewleader on Event: Randy Spears, Brandon Carpenter,  
Stan Harris, Adam Wellman

Supervisor Reported to: Ray Hake

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March  
12, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:30 Am

Time Ending: 11:20 Am

Location: 2515 Clinton St.

Event Description: Relay main line due to roots.

Means of Solving Event: Sewer stayed in ditch.

Crewleader on Event: Brandon C. Stautt, Adam W

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 11  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:30 Am

Time Ending: 9:35 Am

Location: 4401 Blackburn Ave

Event Description: Sewer backed up in basement  
When made report water had went down

Means of Solving Event: Roots in main, wash, cut roots

Crewleader on Event: Brewer/Thompson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 10  
2015 Main Size: 8" Est. Flow: \_\_\_\_\_

Time Found: 4:20 pm Time Ending: 5:30 pm

Location: 2901 Dawes St.

Event Description: manhole overflowing

Means of Solving Event: Ran jet truck & open

Crewleader on Event: Beworthington, James Abrahanson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 10  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 2:40 pm

Time Ending: 3:00 pm

Location: 4068 Valley View

Event Description: manhole overflowing

Means of Solving Event: Ran jet truck and open man  
found manhole up the creek with  
hole in side of it. Dept. will fix when  
creek go

Crewleader on Event: BEU Washington, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 10  
2015 Main Size: 4"  
lateral Est. Flow: \_\_\_\_\_

Time Found: 9:50 Am Time Ending: 10:04 Am

Location: 2913 Franklin St.

Event Description: clean out over flowing

Means of Solving Event: Run jet truck & open

Crewleader on Event: David Pettit, Adam Wellman,  
Ben Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Danny Fraley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 9      Main Size: 8"      Est. Flow: \_\_\_\_\_  
          2015

Time Found: 8:09 Am      Time Ending: 8:40 Am

Location: 2515 Clinton St.

Event Description: manhole overflowing.

Means of Solving Event: Ran jet truck and open, City will dig this week.

Crewleader on Event: Stan Harris, Adam Wellman, James Abrahamson, David Pettit

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March  
6, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 4:15pm

Time Ending: 6:00pm

Location: 2515 Clinton St

Event Description: manhole over flowing in backyard.

Means of Solving Event: open with jet truck, will get  
line located Monday March 9, 2015 & dig that  
week.

Crewleader on Event: Bee Worthington, Stan Harris, Adam  
Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 4  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 5:20 Am

Time Ending: 5:40 Am

Location: 4405 Blackburn Ave. Also 4401

Event Description: water coming up in basement

Means of Solving Event: Ran jet truck and open  
Camera main to try to see what problem  
Roots

Crewleader on Event: Bee Worthington, David Petitt

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 3  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 9:20 pm

Time Ending: 10:00 pm

Location: 2212 Hilton Ave.

Event Description: line stopped up and flooded  
basement.

Means of Solving Event: Ran jet truck and open main  
Called in line locates for week of  
March 9, 2015

Crewleader on Event: Beworthington, John Brown

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March 3  
2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 4:40pm

Time Ending: 5:20pm

Location: 2548 Hilton Ave.

Event Description: Clean out overflowing, last house  
on line.

Means of Solving Event: Ran jet truck and open

Crewleader on Event: B & Worthington, John Brown

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March      Main Size: 4"      Est. Flow: \_\_\_\_\_  
          8, 2015      lateral

Time Found: 2:15 pm      Time Ending: 2:19 pm

Location: 916 29th St.

Event Description: Clean out over flowing

Means of Solving Event: Ran jet truck and open

Crewleader on Event: David Pettit, Adam Wellman

Supervisor Reported to: Ray Halo

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: March  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 11:45 Am

Time Ending: 12:00 pm

Location: 2415 South 29<sup>th</sup> St.

Event Description: 8" main stop up coming up in  
basement.

Means of Solving Event: Ran jet truck and open camera  
main March 2, 2015 to see problem

Crewleader on Event: Stan Harris, Ben Worthington

Supervisor Reported to: Ray Hall

C.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 27  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:30 pm

Time Ending: 9:15 pm

Location: 2415 South 29<sup>th</sup> St.

Event Description: 8" step up coming up in basement

Means of Solving Event: Ran jet truck to open, grease and  
wipes came out.

Crewleader on Event: Stan Harris, BE Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 22  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:40pm

Time Ending: 9:45pm

Location: 3117 Mason St.

Event Description: Manhole stop up back up  
into basement

Means of Solving Event: Rodded line and open

Crewleader on Event: Ben Worthington, John Brown

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February  
21, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 9:21pm

Time Ending: 10:58pm

Location: 4068 168

Event Description: Mr. Ryan Eastwood found manhole  
over flowing while looking for water leaks.

Means of Solving Event: Ran jet truck and open main  
Cause unknown

Crewleader on Event: Ben Worthington, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 6  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 8:57 Am

Time Ending: February 11, 2015  
4:30 pm

Location: 3816 Putnam St.

Event Description: main stopped up running on ground,  
Pan jet truck, hand rodded. Couldn't open.  
Got line locates and dug, chasing stop up down

Means of Solving Event: Relayed part of main line, roots  
and rocks in line.

Crewleader on Event: Brandan Carpenter, Stan Harris,  
Adam Wellman, David Pettit, Randy Spears

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb. Katrina stop time  
Ray Hale called in.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February  
11, 2015

Main Size: 4"  
lateral

Est Flow: \_\_\_\_\_

Time Found: 11:30 AM

Time Ending: 11:44 AM

Location: 1608 Carter Ave Campbell Woods  
Attorney's office

Event Description: lateral stopped up

Means of Solving Event: Open with jet truck, roots, City  
is going to have main clean & relined

Crewleader on Event: David Pettitt, Randy Spears

Supervisor Reported to: Ray Harle

G.O.W. Representative Reported to: Deb.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 9  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 8:15 Am

Time Ending: 8:45 Am

Location: 3613 13<sup>th</sup> St, Shell station

Event Description: 4" lateral cleanout overflowing

Means of Solving Event: Ran jet truck and open  
grease & paper towels

Crewleader on Event: David Pettitt, Stan Harris, Ben Worthington

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February  
4, 2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 1:00 pm

Time Ending: February  
5, 2015 1:45 pm

Location: 3004 Look out St.

Event Description: Water works broke out lateral  
while laying new water main, sewer  
backing up in bath tub

Means of Solving Event: Repaired lateral

Crewleader on Event: David Pettitt, James Abrahamsen  
John Braun, Repair crew, Brandon Carpenter,  
Stan Harris, Adam ~~W~~ Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

Bud # 1502040662

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 4  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 10:00 Am

Time Ending: 3:00 pm

Location: 2613 Jackson Ave

Event Description: Repair sewer main that has a hole in top of line, broke clay tile out and trying to put back together but ditch keeps falling in. Sewer stay in ditch and going out down stream side

Means of Solving Event: put line together

Crewleader on Event: Randy Spears, Stan Harris,  
Brandon Carpenter, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina, Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: February 3  
2015

Main Size: 8<sup>in</sup>

Est. Flow: \_\_\_\_\_

Time Found: 10:25 Am

Time Ending: 10:35 Am

Location: 605 Hunt St

Event Description: sewer running out basement  
door.

Means of Solving Event: Ran jet truck and unstopped  
also pulled roots out.

Crewleader on Event: David Petitt, Adam Wellman

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 23  
2015 Main Size: 8" Est. Flow: \_\_\_\_\_

Time Found: 12:46pm Time Ending: 1:30pm

Location: Mid-town Shopping Center

Event Description: manhole over flowing

Means of Solving Event: Ran jet truck and open up, grease  
cause of stop

Crewleader on Event: James Abrahamson, Randy Dusang,  
David Pettit, Randy Spears, Stan Harris

Supervisor Reported to: ~~Deb~~ Ray Hal

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 20  
2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 10:00 Am

Time Ending: January 21, 2015  
2:34 pm

Location: 2723 Chin St.

Event Description: 4" lateral stopped up, broke down  
under road.

Means of Solving Event: dug out and found line was gone  
Someone broke it out, replaced with plastic.

Crewleader on Event: Ray Hale, B&W, Repair crew, Randy Spears,  
Stan Harris, David Pettit

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 20, 2015

Main Size: 24"

Est. Flow: end of pack with dirt, dripping

Time Found: 8:00 Am

Time Ending: January 21, 2015 1:30pm

Location: 13th St. ~~Central Ave.~~ Mayo Plaza

Event Description: Water Works broke out 24" pipe to repair water main

Means of Solving Event: found pipe to repair with, January 21, 2015 went after parts, put pipe together

Crewleader on Event: Brandon Carpenter, Brandon Carpenter, James Abrahamson, Randy Dasahg repair crew

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb, Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January  
20, 2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 10:40 Am

Time Ending: 11:20 Am

Location: 2013 Sharon Rd.

Event Description: sewer backed up in basement

Means of Solving Event: Ran jet truck and open lateral  
from clean out; ran main and it was open.

Crewleader on Event: David Pettitt, James Abrahamson,  
Stan Harris, Brandon Carpenter, Randy DuSang

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: \_\_\_\_\_

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January  
15, 2015

Main Size: 6"

Est. Flow: \_\_\_\_\_

Time Found: 1:30pm

Time Ending: 2:10pm

Location: 3037 Lydia St.

Event Description: Main stopped up and backed  
up in 3037 basement

Means of Solving Event: Ran jet truck and open line

Crewleader on Event: David Pettit, James Abrahamson

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 13, 2015 Main Size: 6" Est. Flow: \_\_\_\_\_  
lateral

Time Found: 2:00 pm Time Ending: 3:00 pm

Location: 2706 Montgomery Ave

Event Description: Water Dept broke while repairing water line

Means of Solving Event: 50" sch 40 6" plastic pipe and tie back in clay tile

Crewleader on Event: James Abrahamson, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Katrina

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 9  
2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 10:19 Am

Time Ending: 11:20 Am

Location: Save-A-Lot Mall US 60

Event Description: manhole over flowing

Means of Solving Event: Ran jet truck and open up,  
Grease

Crewleader on Event: David Petitt, Randy Dusang,  
Beulah Kingdon

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January  
8, 2015

Main Size: 8"

Est. Flow: \_\_\_\_\_

Time Found: 5:40 pm

Time Ending: 5:50 pm

Location: 1100 Block of Ferguson

Event Description: Water crew broke top off sewer  
main while repairing water main

Means of Solving Event: After water line was repaired  
cut sewer line out (glaytile) and replaced with  
plastic

Crewleader on Event: James Abrahamson, Stan Harris

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Deb

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 8  
2015

Main Size: \_\_\_\_\_

Est. Flow: \_\_\_\_\_

Time Found: 7:45pm

Time Ending: January 8, 2015  
10:25 Am

Location: 2212 Hilltop Ave

Event Description: Stop up and coming out in basement

Means of Solving Event: Ran jet truck, couldn't open, but reel on jet not working have it fixed January 6, 2015 and going back to open, run again couldn't get open, man to dig January 7, 2015

Crewleader on Event: BE Worthington, James Abrahamson,  
Dig crew: James Abrahamson, Brandon Carpenter,  
Randy Dussang, Kandy Spears, David Pettit

Supervisor Reported to: Ray Halo

D.O.W. Representative Reported to: Ashley

January 7, 2015 Crew digging, couldn't find main shower. Sewer is running in storm catch basin which ties back into sewer.

January 8, 2015 tried to camera line only 6", push came from down river side, & run jet truck from same side and open main.

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January  
7, 2015

Main Size: 4"  
lateral

Est. Flow: \_\_\_\_\_

Time Found: 8:49 Am

Time Ending: 9:13 Am

Location: 610 8th St

Event Description: was stop line stop up lateral  
that gas Co. had worked before and  
city repaired, clean out overflowed  
when open cap.

Means of Solving Event: Ran jet truck and open line  
ran 10 ft. will push camera later  
date

Crewleader on Event: Brandon Carpenter, Randy Duong  
James H. Johnson, Ben Whiting

Supervisor Reported to: Ray Hale

D.O.W. Representative Reported to: Ashley

CITY OF ASHLAND  
SANITARY SEWER OVERFLOW EVENT REPORT

Date: January 6 Main Size: 4" Est. Flow: \_\_\_\_\_  
2015 lateral  
Time Found: 2:30 pm Time Ending: 3:40 pm

Location: 2212 6th St.

Event Description: Clean out over flowing

Means of Solving Event: Rom jet truck and open

Crewleader on Event: John Brown, James Adkinson  
Burton King

Supervisor Reported to: Ray Hale

O.O.W. Representative Reported to: Ashley

City of Catlettsburg

CSOs and SSOs

AI# 317

2015

City of Catlettsburg WWTP Bypass log (606) 783-8655

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
1-22-15	Thur	Creek full of Grease	11:30 AM	12:30 PM 1-23-15	25 hrs	Brent & Mike
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow Matt Gross		2:11 PM	1-22-15		SM	

EXPLANATION: Mike and Brent looked behind plant in creek and told me about a grease problem. I talked to Fordland and they grease trap was pulled out behind the sewer plant. At 3:00 AM called stop me in at 1:00 PM. They cleared the hole creek

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-5-15	Thur	15th Street Manhole	10:00 AM	1:30 PM 3-6-15	15 1/2 hrs	Jeff Burchett
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		9:00 AM	3-6-15 3-10-15		SM	

EXPLANATION: Due to Rain snow and river raising in the underpass from PS1 to PS2 the line in between.

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-5-15	Thur	PS 1	12:30 PM	7:15 AM 3-8-15		SM
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		9:00	3-6-15 3-10-15		SM	

EXPLANATION: Due to the River getting up into pump station had to shut down turned back on Sunday 3-8-15 at 7:15 AM BS.

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-5-15	Thur	PS 2	12:30 PM	7:00 AM 3-8-15		SM
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		9:00 AM	3-6-15 3-10-15		SM	

EXPLANATION: Due to the River coming up and getting into pump station. Shut down turned back on 3-8-15 7:00 AM BS.

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-5-15	Thur	PS 3	12:30 PM	7:00 AM 3-8-15 7:00 AM	40 1/2 hrs	SM
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		9:00 AM	3-6-15 3-10-15		SM	

EXPLANATION: Due to River getting high and it covered the pump station. AS of 3-10-15 still off due to River up, turned on 3-22-15.

AI # 317 2015

City of Catlettsburg WWTP Bypass log (606) 783-8655

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-5-15	Thur	PS 4	12:30pm	7:50am 3-8-15	6 hrs 50min	SM
REPORTED TO	TIME REPORTED	DATE REPORTED	REPORTED BY	ESTIMATED GALLONS		
Dow		3-6-15 3-10-15	SM			
EXPLANATION: Had to shut down Pump station the Flood gate station was up and it come over my wetwell it was the highest I have seen it get up to. Pumped on the flood wall pump station all night to get water below over station.						
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-6-15	Thur	PS 5	1:00pm	7:20am 3-8-15	42 hrs 20min	SM-MC
REPORTED TO	TIME REPORTED	DATE REPORTED	REPORTED BY	ESTIMATED GALLONS		
Dow	9:00am	3-6-15 3-10-15	SM			
EXPLANATION: Turned off due to High water in River getting into Pump station. Turned back on 3-8-15 7:20am						
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-6-15	<del>Fri</del>	PS 9	12:00pm	7:45am 3-9-15	67.5 hrs	SM-MC
REPORTED TO	TIME REPORTED	DATE REPORTED	REPORTED BY	ESTIMATED GALLONS		
Dow	9:00am	3-6-15 3-10-15	SM			
EXPLANATION: Shut Down No access to station River come up across the road and into pump station. turned back on 3-9-15 7:45 Am.						
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-10-15	TUE	Pump station	4:00pm	9:00pm	5 hrs	SM
REPORTED TO	TIME REPORTED	DATE REPORTED	REPORTED BY	ESTIMATED GALLONS		
Dow	9:40am	3-11-15	SM			
EXPLANATION: Due to 1.4 inches of rain						
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-10-15	TUE	Pump station 4	7:00pm	7:00pm 3-11-15	24 hrs	SM
REPORTED TO	TIME REPORTED	DATE REPORTED	REPORTED BY	ESTIMATED GALLONS		
Dow	9:40am	3-11-15	SM			
EXPLANATION: Due to River up in station pumply Flood water but not keeply up with flow.						

AI # 317

2015

City of Catlettsburg WWTP Bypass log (606) 783-8655

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
3-13-15	Fr	PS 1	12:30pm	8:30am 3-20-15	164 hrs	MC
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		12:40pm	3-13-15		Sm	
EXPLANATION: Due to River up and getting in it. Called Dow and reported that we turned PS1 back on called at 12:50pm						
3-13-15	Fr	PS 2	12:30pm	8:30am 3-20-15	164 hrs	Sm
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		12:40pm	3-13-15		Sm	
EXPLANATION: Due to River up in the pump station. Got it turned back on and called and talked to Danny Friley. 12:50pm						
3-14-15	Sat	PS 4	7:30am	7:30am	24 hrs	JG <sup>Joe</sup> <del>Crowes</del>
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		10:10 AM	3-16-15		Sm	
EXPLANATION: Due to the river coming up in it shut down.						
4-14-15	Tue	PS 4	7:20am	8:00am 4-15-15	24 hrs 40 mins	Joe Crowes
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		8:20am	4-15-15		Sm	
EXPLANATION: Due to back water up over the pump station.						
4-23-15	Thur	PS 1 manhole	10:00am	1:30pm 2-1-2016	(9 months 8 days)	Sm
REPORTED TO		TIME REPORTED	DATE REPORTED		REPORTED BY	ESTIMATED GALLONS
Dow		3:30pm	4-24-15		Sm	
EXPLANATION: Due to City of Ashland water line broke and getting into our sewer pump station						

City of Catlettsburg WWTP Bypass log (606) 783-8655

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
5-28-15	Thur	PS 10	6:30pm	7:00pm	30 min	Neighbor at station
REPORTED TO		TIME REPORTED	DATE REPORTED	REPORTED BY		ESTIMATED GALLONS
Dow		2:20 PM 5-29-15	5-29-15	Sm		
EXPLANATION: Due to a float switch that was stuck.						

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
7-8-15	wed	PS 4	7:10am	7:4am	35 min	Pat Meedo
REPORTED TO		TIME REPORTED	DATE REPORTED	REPORTED BY		ESTIMATED GALLONS
Dow		9:55am	7-8-15	Sm		
EXPLANATION: Due to Rain.						

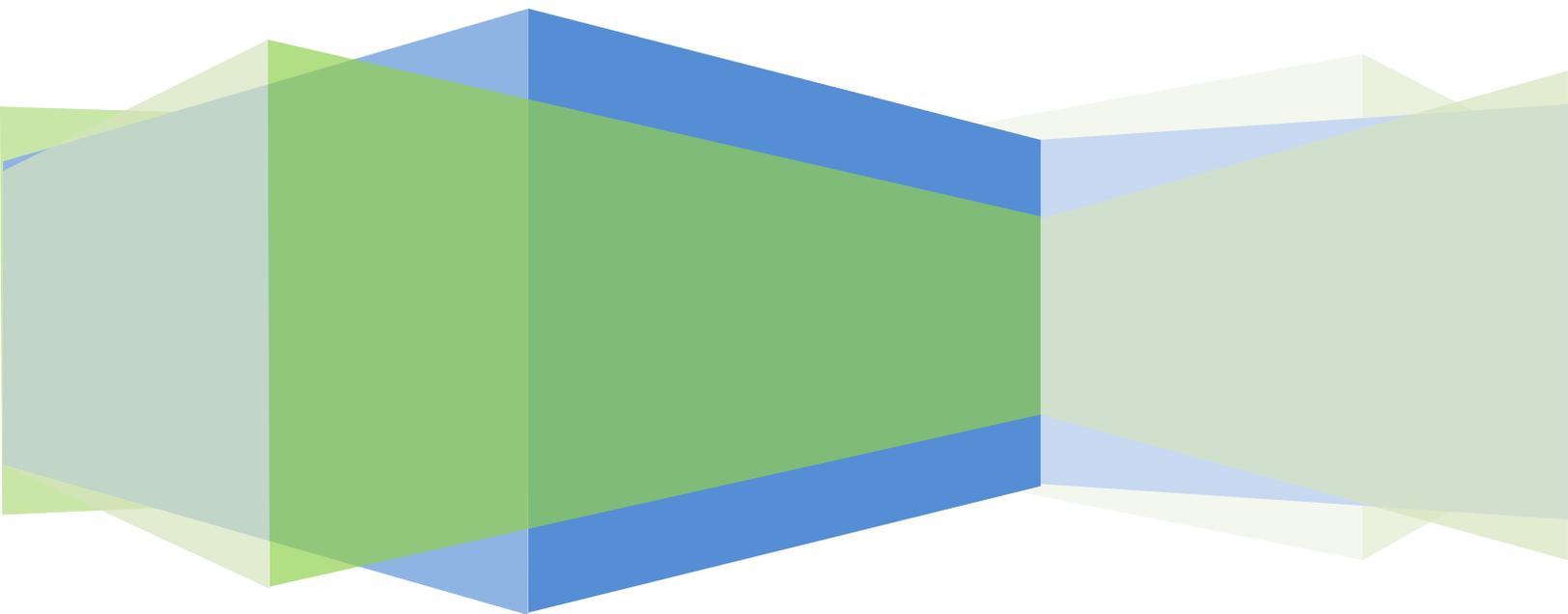
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
7-14-15	TUE	PS 4	7:15am	12:00pm	4.75 hrs	Sm MC
REPORTED TO		TIME REPORTED	DATE REPORTED	REPORTED BY		ESTIMATED GALLONS
Dow		11:25am	7-14-15	Sm		
EXPLANATION: Due to access rain through the night. 1.8 inches in gauge.						

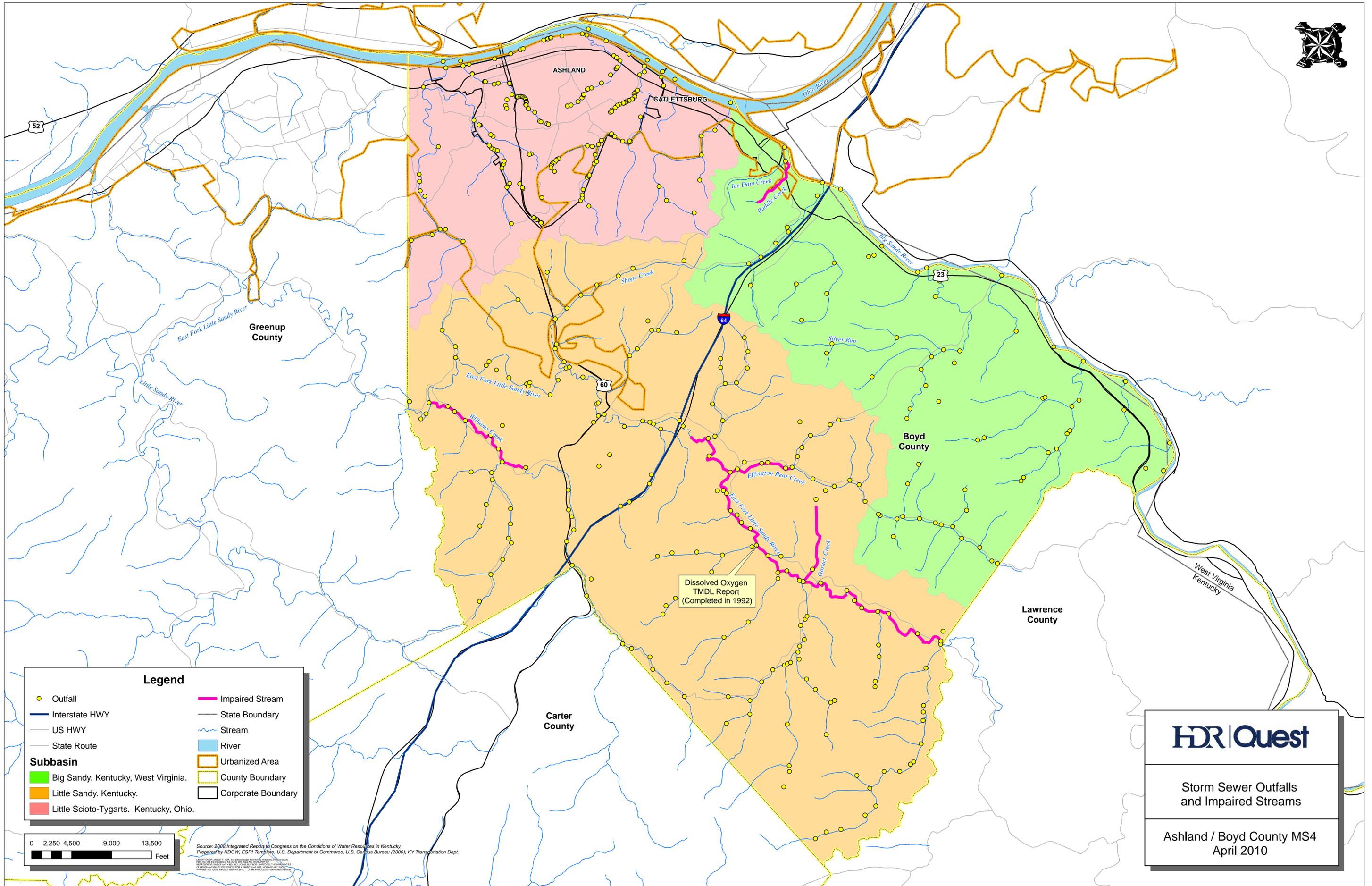
DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
7-14-15	TUE	3301 OAKLAND AVE	7:30am	2:30pm	7 hrs	Sm / <del>MC</del>
REPORTED TO		TIME REPORTED	DATE REPORTED	REPORTED BY		ESTIMATED GALLONS
Dow		11:25 AM	7-14-15	Sm		
EXPLANATION: Due to a break in line back on line 7-17-15 at 2:30pm						

DATE	DAY	LIFT STATION ID	START TIME	END TIME	DURATION	DISCOVERED BY
12-1-15	TUE	PS 4	7:00am	9:00am	2 hrs	Sm
REPORTED TO		TIME REPORTED	DATE REPORTED	REPORTED BY		ESTIMATED GALLONS
Dow		12:00pm	12-1-15	Sm		
EXPLANATION: Due to Rain 1.8 inches.						

# Appendix “E”

## Storm Sewer Outfall Map





**Legend**

- Outfall
- Interstate HWY
- US HWY
- State Route
- Impaired Stream
- State Boundary
- Stream
- River
- Urbanized Area
- County Boundary
- Corporate Boundary

**Subbasin**

- Big Sandy, Kentucky, West Virginia.
- Little Sandy, Kentucky.
- Little Scioto-Tygarts, Kentucky, Ohio.



Source: 2008 Integrated Report to Congress on the Conditions of Water Resources in Kentucky. Prepared by KDOH, ESRI Template. U.S. Department of Commerce, U.S. Census Bureau (2000), KY Transportation Dept.

**HDR Quest**

Storm Sewer Outfalls  
and Impaired Streams

Ashland / Boyd County MS4  
April 2010