

November 2018

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# TECHNICAL MEMORANDUM

ADEQ CAO RELEASE RESPONSE



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# Technical Memorandum

ADEQ CAO Release Response - Hot Springs, AR

## POST-REHABILITATION STUDY

Over the past ten years numerous wastewater rehabilitation projects have been undertaken and completed throughout the City of Hot Springs. These projects involved improving all aspects of the wastewater system and treatment facilities. While the initial focus was on manholes and sewer mains, which were structurally unsound and/or contributing high amounts of I/I to the sanitary sewer system, Hot Springs also chose to include pump stations and treatment facilities in their rehabilitation plan. The objective was to improve all facets of the wastewater system, everything from monitoring the ~3,200 individual grinder stations to mitigate overflows, to improving the effectiveness of treatment and pump station facilities with new equipment and technology.

In 2009 and 2010 Hot Springs, AR underwent a City-wide sanitary sewer assessment study, which included inspection of approximately all 12,000 manholes and 2,100,000 linear feet of gravity mains encumbered in the service area of Hot Springs. Additionally, the City evaluated the numerous pump stations intermixed amongst 1,100,000 linear feet of Force mains. A hydraulic model was constructed and calibrated with these entities and the 3,200 grinder stations. These studies positioned the City to move forward with priority-based construction projects specifically designed to remove inflow and infiltration from the collection system, upgrade facilities, and pursue necessary capacity enhancements. Over the last several years, the City has undergone many projects which address necessary maintenance needs along with upgrades to existing pump station facilities and infrastructure. The focus of this report is in response to the items requested by ADEQ in their May 17, 2018 letter related to the CAO release submitted by Hot Springs in November 2017.

In 2011 the City of Hot Springs developed the SECAP Priority One Project. This list of projects was determined from information compiled at that time. As data was collected and analysis was performed on the overall system, it became evident the initial thought process would need to be revised. Development of the wastewater hydraulic model became the tool utilized to establish the best path forward in addressing the mandates of the CAO. The model was utilized to analyze collected data and ultimately develop the plan to mitigate overflows. Post rehab flow monitoring in 2015 validated the success of the previous I&I projects and confirmed a significant reduction in overflows during rain events throughout the system. This I&I reduction enabled Hot Springs to review the project priority plan with a level of insight previously unavailable. The model included data collected during the overall wastewater system analysis, this information was then used to identify those areas most in need. Subsequent projects were developed for rehab or replacement of line segments, manholes, pump stations,

eliminating cross connections and addressing emergent items. Hot Springs has also completed rehabilitation of several pump stations over the past 10 years, some of which were not identified in the initial plan. Hot Springs purposely chose to focus not only on the overflows, they chose also to focus on improving the overall health of the entire wastewater system, including the conveyance and treatment facilities. Please refer to the annual report project list (Appendix A) for a complete list of all projects associated with the CAO effort.

In 2015 the capacity related overflows for Hot Springs totaled 133 overflows, in 2016 that number had decreased to 95. Implementation of some larger conveyance projects also lead to a decrease of capacity related overflows resulting in 48 overflows in 2017. As of September 2018, a further reduction to a total of 7 overflows has been recorded. Considering the effects of a rain event in 2015 of 1.50" resulted in numerous overflows, as compared to current overflow reports, it is apparent the planned effort to date has been successful. The 2018 recorded overflows are well documented, and projects designed to eliminate the remaining few are in varying stages of design and construction. The recorded overflows for 2018 can be attributed to several unusual events, antecedent conditions caused by a 100-year flood event and record rainfall in previous months all contributed to the \*7 overflows. The rain fall event of ~3" on 4/14/2018 followed a rainfall event of over 4" just 7 days earlier. The area was saturated, and the system was still in recovery from the previous event when the latter rain event occurred. A recent rain event on 9/22/18 and 9/23/18 totaling ~2.99" resulted in no overflows, again an indication of the success to date.

From 2004 to 2008 SSO's occurred at an average rate of 16 overflows per 100 miles of gravity sewer for two-year storm events. Data analyzed from storm events in 2017, not including the 100-Year event which occurred in late February, reveals Hot Springs has reduced that number to roughly 1 SSO per 100 miles of pipe. As noted earlier, while Hot Springs focused on eliminating SSO related events, they also chose to assess the overall system. This resulted in identifying much needed improvements at the treatment facilities. Projects implemented at the plants include the new UV Disinfection System and Headworks Project at the Regional Davidson Dr. Plant and an additional Tertiary Filter at the Southwest Wastewater Treatment Plant. The City of Hot Springs is currently in the design phase of a project to install a Tertiary Filter at the Regional Plant. This project will enable the treatment facility to increase the throughput during high flow events while maintaining compliance with the NPDES permit. As the City of Hot Springs develops long term plans to mitigate overflows, efforts continue to add backup pumping systems to critical pump stations, all to ensure continued operation of the facilities during utility power loss. This also allows the pump station(s) to be taken off line for maintenance without interrupting conveyance of flows.

The decision to prioritize the treatment plant improvements ahead of the remaining few overflow locations was a risk mitigation decision. The primary reason was due to the increased flows experienced at the treatment facility

because of the success in the capacity improvement efforts. It became apparent the success of eliminating I&I resulted in increased flow to the treatment plants. It was also recognized that Hot Springs needed to once again complete flow monitoring in select areas to better define the system needs. The remaining overflows are in confined areas where data gathering is again underway before a plan is set in motion to address those SSO's. Better understanding the current state of the system will once again ensure the success of future projects. A well-planned effort to address the overflow items and enable development of a long-term plan is the key objective.

The current efforts indicate Hot Springs fully realizes the work here is not finished, there will always be work to do. The commitment to continue the efforts of overflow mitigation remains a priority for Hot Springs. This current project planning effort, along with proper maintenance of the system, are essential methods to ensure success. Hot Springs has invested well in the wastewater system thus far, the future will be no different.

WE OFFER THE FOLLOWING RESPONSE TO THE ADEQ LETTER DATED MAY 17, 2018, IN WHICH A LIST OF ITEMS WAS REQUESTED.

THE ORIGINAL ADEQ TEXT IS *ITALICIZED*, THE HOT SPRINGS RESPONSE IS IN **BOLD**.

**ADEQ Letter Text:**

*On November 14, 2017 and January 24, 2018, the City of Hot Springs submitted requests to terminated CAO LIS 08-099. While the City of Hot Springs has significantly reduced the number of SSOs in the Priority 1 targeted projects, the Department requests the following additional information in order to complete our review:*

1. *During our review of the SSOs reported from 2015-2018 for NPDES Permits AR0033880 and AR0050148, we have identified approximately 137 SSO reports that may be duplicate reports, please review our list and the list of SSOs reports for the period 2015-2018. Please review the attached lists and spreadsheets to confirm the duplicate reports. Upon your confirmation, we will delete any duplicate record.*

- **Hot Springs concurred**

2. *Of the SSOs reported for the period 2015-2018, please identify which are capacity or non-capacity SSOs.*

- a. *Capacity Related SSOs. For each year, please identify how many and the date(s) of the rain events measured above the design storm threshold and how many SSOs occurred during those events. Also, how many SSOs occurred below the design storm threshold?*

- **Refer to Appendix “A”**

*Please provide a map with the location of the reported capacity SSOs for the period 2015-2018.*

- **Refer to Appendix “A”**

*Non-Capacity Related SSOs. For each year, please identify how many SSOs how many were related to construction & vandalism or operation & maintenance (of those, please breakdown the cause (debris, equipment failure, grease, line failure or roots).*

- **Refer to Appendix “A”**

3. *The 2012 SEACAP Improvement Plan identified two categories of capacity improvements, Priority 1 and Priority 2 projects. The Priority 1 projects list was further defined by the relation to eliminate the reported SSOs as reference in CAO LIS 08-099.*

*a. Please provide a list of the Priority 1 projects that have not been completed.*

**Below is a list of the Priority 1 Projects as noted in the 2011 SECAP document that have not been completed**

**Gravity Mains**

**E. Grand Ave.** – In conceptual design discussions

**Upper Gulpha Interceptor** - In conceptual design discussions

**Force main**

**Gulpha Pump Station Force main** – Subsequent flow monitoring and model review indicated this project is not required

**Hot Springs Creek /Davidson Dr Tributary Priority 1 Projects**

**Gravity Mains**

**Lakeside P.S.** – In conceptual design discussions

**Stokes P.S. Tributary Priority 1 Projects**

Complete

**Mazarn/Southwest WWTP Tributary Priority 1 Project**

**Force main**

**Mazarn Force main** – Not required based on additional analysis

**Sewer Line Rehabilitation**

**Point Repairs** – City Utilities staff, as well as Capital Projects, have been utilized to address known areas of deficiency that need repair

**Complete Rehabilitation** – Addressed in annual CHS budget and Capital Wastewater System Improvements projects.

**Inflow Removal**

**Public Sector** – CHS has completed several related projects, annual projects address this as well

## Capacity Improvements

Annual Wastewater Collection Systems Improvement Projects continue to address system deficiencies and improve our overall system health

- b. *For the period 2015-2018, please identify the number of capacity SSOs per year, that are related to these incomplete Priority 1 Projects.*

**Reference Manholes are – 4117,4118,5259,5260,1747**

- 2018 =\*7 Note: This was the 2018 April rain event, which was a below design storm event. The 2.99-inch rain event was preceded by a ~4.1-inch rain event only ~7 days prior.  
(The rain event of ~2.99” in a 24hr. period on 9/22/18 through 9/23/18 resulted in no overflows.)
- 2017=18 Note: In 2017 the manholes noted here overflowed with a rain event of ~1.94”
- 2016 =37 Note: In 2016 the manholes noted here overflowed with a rain event of ~1.4”
- 2015=57 Note: In 2015 the manholes noted here overflowed with a rain event as low as ~1.01”

\* The 2018 SSO report of (7ea) events includes MH 10578 which was determined to have significant roots in place. The MH 11274 event was mainly attributed to an issue with the newly placed in-service Godwin backup pump controls. These (2ea) SSO items are not influenced only by capacity related issues.

- c. *Please provide a map with the location of the capacity SSOs for the period 2015-2018.*

▪ **Refer to Appendix “A”**

- d. *Please provide a plan and milestone schedule to address any of the Priority 1 Projects that have not been completed.*

- **Upper Gulpha Basin-** This effort is in the preliminary design stage; a contract has been awarded to RJN Group for study and design of the Basin. Construction of recommended project(s) will be completed by end of year 2021.

**Belvedere Manholes –** This project has been designed and awarded for construction. Estimated completion is December,2018. This is the very upper portion of the Gulpha Basin service area, there is significant potential to affect all downstream system components in mitigation of overflows with this project.

- **Lakeside P.S. –** This is in the initial study phase of development. Recent mitigation and maintenance efforts are providing positive results in SSO related events.

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# APPENDIX A

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

Total SSO's = 77  
 Storm Event SSO's = 70  
 Capacity SSO's = 7

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd Manhole # 5259 overflowed into Unknown Creek.	5259	4/14/2018 0:00	4500	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek.	4117	4/14/2018 0:00	2000	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th
AR0033880	611 East Grand Ave Manhole # 10578 overflowed into Storm Drain.	10578	4/14/2018 0:00	1000	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek..	1747	4/14/2018 0:00	5000	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	4/14/2018 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th
AR0033880	816 Carpenter Dam Rd Manhole # 5260 overflowed into Unknown Creek.	5260	4/14/2018 0:00	1500	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th
AR0033880	768 McLeod St. Manhole # 11274 overflowed into Stokes Creek.	11274	4/14/2018 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	2.67 Inches of rain on the 14th

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	4/6/2018 0:00	10000	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	3047 Malvern Ave. Manhole # 1747 overflowed into Gulpha Creek.	1747	4/6/2018 0:00	13000	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	4/6/2018 0:00	4000	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	362 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek.	1866	4/6/2018 0:00	4500	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	4/6/2018 0:00	3500	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	611 East Grand Ave Manhole # 10578 overflowed into storm drain.	10578	4/6/2018 0:00	500	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	1539 Spring St Manhole # 4117 overflowed into Gulpha Creek.	4117	4/6/2018 0:00	3500	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	1539 Spring St Manhole # 4118 overflowed into Gulpha Creek.	4118	4/6/2018 0:00	4000	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	4/6/2018 0:00	4500	SSO Reached Receiving Water (river, stream)	R	4.1 inches of rain 6th and 7th
AR0033880	233 Elmwood Dr. Duplex Grinder Station overflowed into Lake Catherine.	Elmwood P.S.	2/26/2018 0:00	1000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek.	1747	2/28/2018 0:00	80000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	2/28/2018 0:00	50000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	2/28/2018 0:00	15000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	2/28/2018 0:00	14000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	611 East Grand Ave Manhole # 10578 overflowed into storm drain.	10578	2/28/2018 0:00	1500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1539 Spring St Manhole # 4117 overflowed into Gulpha Creek.	4117	2/28/2018 0:00	12000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	2/28/2018 0:00	15000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	2/28/2018 0:00	15000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	362 Fontana Rd. Manhole# 1866 overflowed into Hot Springs Creek	1866	2/28/2018 0:00	17000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	352 Fontana Rd. Manhole# 1865 overflowed into Hot Springs Creek	1865	2/28/2018 0:00	15000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	229 Gorge Rd. Manhole # 3327 overflowed into Gulpha Creek.	3327	3/1/2018 0:00	4500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	104 Forest View Ct. MH# 11481 overflowed into ground.	11481	2/28/2018 0:00	3000	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	331 Gorge Rd. Manhole # 3346 overflowed into Gulpha Creek.	3346	3/1/2018 0:00	3000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1213 7th St. Manhole # 1798 overflowed into ditch.	1798	3/1/2018 0:00	2500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1213 7th St. Manhole # 2180 overflowed into ditch.	2180	3/1/2018 0:00	1500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	771McLeod St. Manhole# 11274 overflowed into Stokes Creek.	11274	3/1/2018 0:00	2500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	320 Davidson DR Bypass partial secondary treatment	Regional Plant	2/20/2018 0:00	120MG /6 days		R	Rain pouring just as I am finishing this report.
AR0033880	106 Forest View Cir. Manhole # 12242 overflowed into Hot Springs Creek.	12242	2/21/2018 0:00	50000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	2/21/2018 0:00	45000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	112 Gorge Rd. Manhole # 3298 overflowed into Gulpha Creek.	3298	2/21/2018 0:00	40000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	3047 Malvern Ave. Manhole # 1747 overflowed into Gulpha Creek.	1747	2/21/2018 0:00	80000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	2/21/2018 0:00	35000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	2/21/2018 0:00	30000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	362 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek.	1866	2/21/2018 0:00	40000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	229 Gorge Rd. Manhole # 3327 overflowed into Gulpha Creek.	3327	2/22/2018 0:00	4500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	151 Rocky Reef Circle overflowed onto ground & ditch	8384	2/22/2018 0:00	2500	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1213 7th St. Manhole # 1798 overflowed into ditch.	1798	2/22/2018 0:00	8500	SSO Reached Public Land Only (ground)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole# 4117 overflowed into Gulpha Creek.	4117	2/22/2018 0:00	5000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	771 McLeod St Manhole# 11274 overflowed into Stokes Creek.	11274	2/22/2018 0:00	25000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	611 East Grand Ave. Manhole # 10578 overflowed into Storm Drain	10578	2/22/2018 0:00	2500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	104 Forest View Ct. Manhole # 11481 overflowed onto ground.	11481	2/22/2018 0:00	3000	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1539 Spring St. Manhole# 4118 overflowed into Gulpha Creek.	4118	2/22/2018 0:00	6000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1213 7th St. Manhole # 2180 overflowed into ditch.	2180	2/22/2018 0:00	8000	SSO Reached Public Land Only (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	continuation of bypass from 2-10 through 20th-2018, restarting 2-21st 2018 undetermined yet.	Regional Plant	2/21/2018 0:00	Undetermined yet	SSO Occurred at Treatment Plant	R	Pump unable to keep up with treated side of the plant. EQ Pond Full. We had an extra-large diesel pump shipped and hooked up late last night. At approximately 4:30 am 2-21-2018 EQ pond started trickling over one end of levee, we added chlorine tablets.
AR0033880	WWTP 320 Davidson DR , Bypass Partial Treatment I&I Overloaded treatment system this is a bypass not an SSO.	Regional Plant	2/20/2018 0:00	48.4 million Gallons	SSO Occurred at Treatment Plant	R	Partial at WWTP, notified ADEQ ADH and downstream users of the bypass. The first 10 days we were opening and closing intermittently as needed to have the least possible bypass impact on the plant and discharged effluent. We are still under the AR00

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	104 Forest View Ct. Manhole# 11481 overflowed onto ground due to rain.	11481	2/21/2018 0:00	2000	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1213 7th St. Manhole # 1798 overflowed into ditch due to rain.	1798	2/21/2018 0:00	2500	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	611 East Grand Ave. Manhole # 10578 overflowed into storm inlet due to rain.	10578	2/21/2018 0:00	3500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1213 7th St. Manhole # 2180 overflowed into ditch due to rain.	2180	2/21/2018 0:00	2000	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek due to rain.	4117	2/21/2018 0:00	4750	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek due to rain.	4118	2/21/2018 0:00	5000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	771 McLeod St. Manhole # 11274 overflowed into Stokes Creek due to rain.	11274	2/21/2018 0:00	25000	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	151 Rocky Reef Circle Manhole # 8384 overflowed into private ground & ditch due rain & grease	8384	2/21/2018 0:00	3500	SSO Affected Private Property (ground)	R	15.89 inches of rain from 2-21 through 3-1

**CAO CAPACITY SSO REPORT 2018**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	229 Gorge Rd. Manhole #3327 overflowed into Gulpha Creek due to rain.	3327	2/21/2018 0:00	2500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1
AR0033880	611 East Grand Ave. Manhole # 10578 overflowed into storm inlet due to rain.	10578	2/21/2018 0:00	3500	SSO Reached Receiving Water (river, stream)	R	15.89 inches of rain from 2-21 through 3-1

## CAO CAPACITY SSO REPORT 2018

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	114 Ridge Pt. Manhole # 9250 overflowed into Lake Hamilton.	9250	4/6/2018 0:00	2000	SSO Reached Receiving Water (river, stream)	R	4.1 Inches of rain
AR0050148	2460 Marion Anderson Dr. Manhole #13484 overflowed into Lake Hamilton.	13484	4/6/2018 0:00	3000	SSO Reached Receiving Water (river, stream)	R	4.1 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	2/28/2018 0:00	10000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	2/28/2018 0:00	8000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18

## CAO CAPACITY SSO REPORT 2018

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	114 Ridge Pt. Manhole # 9250 overflowed into Lake Hamilton	9250	2/28/2018 0:00	12000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Manhole # 13484 is overflowing into Lake Hamilton	13484	2/28/2018 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Manhole # 13483 is overflowing into Lake Hamilton	13483	2/28/2018 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	114 Ridge Pl Manhole # 9250 is overflowing into Lake Hamilton	9250	2/28/2018 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18

## CAO CAPACITY SSO REPORT 2018

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	2/22/2018 0:00	8000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	2/22/2018 0:00	10000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	114 Ridge Place Manhole # 9250 overflowed into Lake Hamilton	9250	2/21/2018 0:00	30000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton.	13484	2/22/2018 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18

## CAO CAPACITY SSO REPORT 2018

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton.	13483	2/22/2018 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton due to rain.	13484	2/21/2018 0:00	5000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton due rain.	13483	2/21/2018 0:00	4000	SSO Reached Receiving Water (river, stream)	R	15.89 Inches of rain from 2/21/18 through 3/1/18

**CAO CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

Total SSO's = 48  
 Storm Event SSO's = 0  
 Capacity SSO's = 48

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek.	991	12/22/2017 0:00	3500	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	481 McLeod St. Manhole # 993 overflowed into Stokes Creek.	993	12/22/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	104 Forestview Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	12/22/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	12/22/2017 0:00	6500	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	12/22/2017 0:00	5500	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek.	998	12/22/2017 0:00	5500	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	106 Forestview Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	12/22/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain

**CAO CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek.	4117	12/22/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	12/22/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.78 inches of rain
AR0033880	2327 Lakeshore Dr. Manhole # 7746 overflowed into Lake Hamilton. this overflow was not reported to us. this is a follow up SSO from a complaint to your department received.	7746	5/3/2017 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek..	1747	5/3/2017 0:00	15500	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	106 Forestview Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	5/3/2017 0:00	15000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek	4117	5/3/2017 0:00	4500	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole# 5260 overflowed into Unknown Creek.	5260	5/3/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	104 Forestview Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	5/3/2017 0:00	8000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek.	991	5/3/2017 0:00	8500	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	5/3/2017 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	5/3/2017 0:00	12000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	111 Jefferson St. Manhole # 2506 overflowed into Hot Springs Creek.	2506	5/3/2017 0:00	1000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	5/3/2017 0:00	9000	SSO Reached Receiving Water (river, stream)	R	2.88 inches of rain
AR0033880	403 McLeod St Manhole # 991 overflowed into Stokes Creek	991	4/30/2017 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	4/30/2017 0:00	2500	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	4/30/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	615 McLeod St Manhole # 998 overflowed into Stokes Creek	998	4/30/2017 0:00	3500	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	106 Forestview Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	4/30/2017 0:00	6500	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	3047 Malvern Ave. Manhole # 1747 overflowed into Gulpha Creek.	1747	4/30/2017 0:00	7500	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	481 McLeod St Manhole # 993 overflowed into Stokes Creek	993	4/30/2017 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek.	4117	4/30/2017 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	4/30/2017 0:00	7000	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	4/30/2017 0:00	3500	SSO Reached Receiving Water (river, stream)	R	2.52 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	611 East Grand Ave Manhole # 10578 overflowed on to street.	10578	4/30/2017 0:00	300	SSO Reached Public Land Only (ground)	R	2.52 inches of rain
AR0033880	771 McLeod St Manhole # 11274 overflowed onto paved area & ditch (cause was contractor working on Pump Station forget to turn one of the pumps back on)	11274	4/26/2017 0:00	2500	SSO Reached Public Land Only (ground)	R	1.94 inches of rain
AR0033880	106 Forestview Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	4/26/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	4/26/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	907 West Saint Louis Ave Manhole #2182 overflowed into Unknown Creek.	2182	4/26/2017 0:00	500	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	615 McLeod St Manhole # 998 overflowed into Stokes Creek.	998	4/26/2017 0:00	6500	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	104 Forestview Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	4/26/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain

## CAO CAPACITY SSO REPORT 2017

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek	5260	4/26/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	4/26/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	403 McLeod St Manhole # 991 overflowed into Stokes Creek.	991	4/26/2017 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	4/26/2017 0:00	5500	SSO Reached Receiving Water (river, stream)	R	1.94 inches of rain

**CAO CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek.	998	4/2/2017 0:00	2500	SSO Reached Receiving Water (river, stream)	R	.8 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into ditch.	4118	3/25/2017 0:00	100	SSO Reached Public Land Only (ground)	R	2.2 inches of rain
AR0033880	1539 Spring St. Manhole # 4117 overflowed onto ground.	4117	3/25/2017 0:00	100	SSO Affected Private Property (ground)	R	2.2 inches of rain

## CAO CAPACITY SSO REPORT 2017

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton	13484	5/3/2017 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	2.88 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	5/3/2017 0:00	7500	SSO Reached Receiving Water (river, stream)	R	2.88 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton	13483	5/3/2017 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	2.88 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	5/3/2017 0:00	7500	SSO Reached Receiving Water (river, stream)	R	2.88 Inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

Total SSO's = 114  
Storm Event SSO's = 19  
Capacity SSO's = 95

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	3047 Malvern Ave. Manhole # 1747 overflowed into Gulpha Creek.	1747	8/20/2016 0:00	30000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	8/20/2016 0:00	25000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek.	998	8/20/2016 0:00	8500	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek.	12242	8/20/2016 0:00	7500	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	8/20/2016 0:00	6000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek.	995	8/20/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	8/20/2016 0:00	8500	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	1539 Spring St. Manhole #4118 overflowed into Gulpha Creek.	4118	8/20/2016 0:00	5500	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek.	991	8/20/2016 0:00	8000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek.	1866	8/20/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	362 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	8/20/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	633 East Grand Ave. Manhole # 3112 overflowed on to street and curb.	3112	8/20/2016 0:00	500	SSO Reached Public Land Only (ground)	R	1.9 inches of rain
AR0033880	1539 Spring St. Manhole #4117 overflowed into Gulpha Creek.	4117	8/20/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.9 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek.	1747	8/15/2016 0:00	30000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	362 Fontana Rd. Manhole #1866 overflowed into Hot Springs Creek.	1866	8/15/2016 0:00	9000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek.	998	8/15/2016 0:00	7000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek	12242	8/15/2016 0:00	8000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	8/15/2016 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain

**CAO CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek.	991	8/15/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek.	5259	8/15/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek	1864	8/15/2016 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek	4117	8/15/2016 0:00	6500	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain

**CAO CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	352 Fontana Rd. Manhole #1865 overflowed into Hot Springs Creek.	1865	8/15/2016 0:00	9000	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	8/15/2016 0:00	7500	SSO Reached Receiving Water (river, stream)	R	3.97 inches of rain
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek.	995	4/29/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek.	5259	4/29/2016 0:00	10,000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	3047 Malvern Ave - Manhole # 1747 - overflowed into Gulpha Creek.	1747	4/29/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	1539 Spring St. - Manhole # 4117 - overflowed into Gulpha Creek.	4117	4/29/2016 0:00	7500	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek.	5260	4/29/2016 0:00	7000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek.	1864	4/29/2016 0:00	9500	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain

**CAO CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek.	4118	4/29/2016 0:00	8500	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek.	991	4/29/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	362 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek.	1865	4/29/2016 0:00	7000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	352 Fontana Rd. - Manhole # 1866 - overflowed into Hot Springs Creek.	1866	4/29/2016 0:00	6500	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	615 McLeod St. Manhole #998 overflowed into Stokes Creek.	998	4/29/2016 0:00	9500	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	111 Big Duke Trl. Manhole # 9587 overflowed into Lake Hamilton	9587	4/30/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	Lake Park Dr. Carpenter Dam Pump Station overflowed onto ground.	Lakeside P.S.	4/30/2016 0:00	7500	SSO Affected Private Property (ground)	R	4.19 inches of rain
AR0033880	Scroggins Dr. Wilson Mill Pump Station overflowed into Lake Catherine	Wilson Mill P.S.	4/30/2016 0:00	8000	SSO Reached Receiving Water (river, stream)	R	4.19 inches of rain
AR0033880	1539 Spring St. - Manhole # 4117 - overflowed into Gulpha Creek	4117	4/11/2016 0:00	900	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	104 Forest View Ct. - Manhole # 1864 - overflowed into Hot Springs Creek.	1864	4/11/2016 0:00	1100	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek.	5259	4/11/2016 0:00	1500	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	1539 Spring St. - Manhole # 4118 - overflowed into Gulpha Creek	4118	4/11/2016 0:00	1300	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	3047 Malvern Ave. - Manhole # 1747 - overflowed into Gulpha Creek.	1747	4/11/2016 0:00	1600	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	352 Fontana Rd. - Manhole # 1866 - overflowed into Hot Springs Creek.	1866	4/11/2016 0:00	1500	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	816 Carpenter Dam Rd. - Manhole # 5260 - overflowed into Unknown Creek.	5260	4/11/2016 0:00	900	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	4/11/2016 0:00	1500	SSO Reached Receiving Water (river, stream)	R	2.57 inches of rain
AR0033880	3047 Malvern Ave. Manhole # 1747 overflowed into Gulpha Creek	1747	3/31/2016 0:00	9500	SSO Reached Public Land Only (ground)	R	2.5 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam R. Manhole# 5259 overflowed into Unknown Creek.	5259	3/31/2016 0:00	8500	SSO Reached Public Land Only (ground)	R	2.5 inches of rain
AR0033880	615 McLeod - St. Manhole # 998 - overflowed into Stokes Creek.	998	3/31/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	2.5 inches of rain
AR0033880	1539 Spring St. - Manhole # 4118 - overflow to receiving stream/river	4118	3/31/2016 0:00	1000	SSO Reached Receiving Water (river, stream)	R	2.5 inches of rain
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	3/31/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.5 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	104 Forest View Ct. - Manhole # 1864 - overflowed into Hot Springs Creek	1864	3/31/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	2.5 inches of rain
AR0033880	329 Davidson Dr. WWTP - EQ Pond full partial bypass of secondary treatment continued disinfection and monitoring	Regional Plant	3/11/2016 0:00	13.5milliom over 1.625 days	SSO Occurred at Treatment Plant	R	partial bypass of excess flow
AR0033880	3047 Malvern Ave. - Manhole # 1747 - overflowed into Gulpha Creek	1747	3/9/2016 0:00	18000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	3/9/2016 0:00	12000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek	4117	3/9/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek	12242	3/9/2016 0:00	3500	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek	1865	3/9/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	3/9/2016 0:00	3500	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek	1864	3/9/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	362 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek	1866	3/9/2016 0:00	4500	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	816 Carpenter Dam Rd. - Manhole # 5260 - overflowed into Unknown Creek	5260	3/9/2016 0:00	2500	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	403 McLeod St. - Manhole # 991 - overflowed into Stokes Creek	991	3/9/2016 0:00	4500	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	3/9/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	3/9/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.46 inches of rain
AR0033880	362 Fontana Rd. - Manhole # 1865 - overflowed into Hot Springs Creek	1865	2/23/2016 0:00	2500	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	3047 Malvern Ave overflowed into Gulpha Creek	1747	2/23/2016 0:00	10000	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. - Manhole # 4118 - overflowed into Gulpha Creek	4118	2/23/2016 0:00	1800	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	857 Carpenter Dam - Manhole # 5259 - overflowed into Unknown Creek	5259	2/23/2016 0:00	2500	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	106 Forest View Ct. - Manhole # 12242 - overflowed into Hot Springs Creek	12242	2/23/2016 0:00	3500	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	352 Fontana Rd. - Manhole # 1866 - overflowed into Hot Springs Creek	1866	2/23/2016 0:00	2500	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	2/23/2016 0:00	2000	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	2/23/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	816 Carpenter Dam - Manhole # 5260 - overflowed into Unknown Creek	5260	2/23/2016 0:00	1000	SSO Reached Receiving Water (river, stream)	R	1.55 inches of rain
AR0033880	3047 Malvern Ave Manhole #1747 overflowed into Gulpha Creek	1747	1/9/2016 0:00	12000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek	4117	1/9/2016 0:00	7000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek	1866	1/9/2016 0:00	14000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole #5259 overflowed into Unknown Creek	5259	1/9/2016 0:00	10000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	1/9/2016 0:00	10000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	1/9/2016 0:00	7000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek	12242	1/9/2016 0:00	15000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	1/9/2016 0:00	9000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	362 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek	1865	1/9/2016 0:00	8500	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain

## CAO CAPACITY SSO REPORT 2016

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek	5260	1/9/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	403 McLeod St. Manhole #991 overflowed into Stokes Creek	991	1/9/2016 0:00	7500	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek	1864	1/9/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.4 inches of rain

**CAO CAPACITY SSO REPORT 2016**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton.	13483	8/20/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	1.9 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton.	13484	8/20/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	1.9 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole #13483 is overflowing into Lake Hamilton	13483	8/20/2016 0:00	Still Overflowing	SSO Reached Receiving Water (river, stream)	R	1.9 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole #13484 is overflowing into Lake Hamilton	13484	8/20/2016 0:00	Still Overflowing	SSO Reached Receiving Water (river, stream)	R	1.9 Inches of rain

## CAO CAPACITY SSO REPORT 2016

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	8/15/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	3.97 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	8/15/2016 0:00	3000	SSO Reached Receiving Water (river, stream)	R	3.97 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton.	13483	8/15/2016 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	3.97 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton.	13484	8/15/2016 0:00	Still Overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	3.97 Inches of rain

## CAO CAPACITY SSO REPORT 2016

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	3033 Marion Anderson Rd. Mazarn #4 Pump Station overflowed into Lake Hamilton	Mazarn #4 P.S.	7/23/2016 0:00	500	SSO Reached Receiving Water (river, stream)	R	
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed into Unknown Creek.	Winkler Rd. P.S.	6/27/2016 0:00	2000	SSO Reached Receiving Water (river, stream)	R	
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	4/29/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	4.19 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	4/29/2016 0:00	4000	SSO Reached Receiving Water (river, stream)	R	4.19 Inches of rain

## CAO CAPACITY SSO REPORT 2016

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	105 South Moore Rd. 70 West # 2 Pump Station overflowed onto ground.	70 W. #2 P.S.	4/30/2016 0:00	500	SSO Affected Private Property (ground)	R	4.19 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton	13484	4/29/2016 0:00	Still overflowing	SSO Reached Receiving Water (river, stream)	R	4.19 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton	13483	4/29/2016 0:00	Still overflowing	SSO Reached Receiving Water (river, stream)	R	4.19 Inches of rain
AR0050148	Airport Rd Hwy 70 West - #14 Pump Station overflowed - onto ground.	70 W/ # 14 P.S.	4/3/2016 0:00	1000	SSO Affected Private Property (ground)	R	3.46 Inches of rain

**CAO CAPACITY SSO REPORT 2016**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2460 Marion Anderson Rd. - Manhole # 13484 - overflowed into Lake Hamilton	13484	3/10/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.46 Inches of rain
AR0050148	2460 Marion Anderson Rd. - Manhole # 13483 - overflowed into Lake Hamilton	13483	3/10/2016 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.46 Inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

Total SSO's = 193  
 Storm Event SSO's = 60  
 Capacity SSO's = 133

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	352 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek	1866	12/27/2015 0:00	45000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	362 Fontana Rd. Manhole # 1865 overflowed into Hot Springs Creek	1865	12/27/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	106 Forest View Ct. Manhole # 12242 overflowed into Hot Springs Creek	12242	12/26/2015 0:00	70000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	12/26/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain

**CAO CAPACITY SSO REPORT 2015**

## REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	12/26/2015 0:00	60000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek	1747	12/26/2015 0:00	75000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek	991	12/26/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek	1864	12/26/2015 0:00	70000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	1539 Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	12/26/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	1539 Spring St. Manhole # 4117 overflowed into Gulpha Creek	4117	12/26/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	12/26/2015 0:00	60000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek	5260	12/26/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	3.2 inches of rain
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek	1864	12/13/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	12/13/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	12/13/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain
AR0033880	403 McLeod St. - Manhole # 991 - overflowed into Stokes Creek	991	12/13/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	12/13/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain
AR0033880	360 Fontana Rd. - Manhole # 1866 - overflowed into Hot Springs Creek	1866	12/13/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek	1747	12/13/2015 0:00	35000	SSO Reached Receiving Water (river, stream)	R	1.38 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. manhole#4117 overflowed into Gulpha Creek.	4117	11/27/2015 0:00	90,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	519 McLeod St. manhole #995 overflowed into Stokes Creek.	995	11/27/2015 0:00	255,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	615 McLeod St. manhole #998 overflowed into Stokes Creek.	998	11/27/2015 0:00	255,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	1539 Spring St manhole #4118 overflowed into Gulpha Creek.	4118	11/27/2015 0:00	90,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	152 Aberina St. Hot Springs #1 P.S., Overflowed from station tank onto the ground and into unknown creek.	HS #1 P.S.	11/30/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	5506 Central Manhole #10297, overflowed into yard around manhole.	10297	11/29/2015 0:00	2000	SSO Reached Public Land Only (ground)	R	5.85 inches of rain
AR0033880	405 McLeod St manhole #991 overflowed into Stokes Creek.	991	11/27/2015 0:00	205,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	816 Carpenter Dam Rd. manhole #5260 overflowed into unknown creek.	5260	11/27/2015 0:00	95,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	244 Scroggins Terrace Wilson's Mill P.S. Overflowed out of lift station onto ground.	Wilson's Mill P.S.	11/28/2015 0:00	1,000 gallons	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	415 Essex Park Terrace Malvern Highway P.S., overflowed from lift station onto ground.	Essex Park P.S.	11/28/2015 0:00	1,500 gallons	SSO Reached Public Land Only (ground)	R	5.85 inches of rain
AR0033880	1539 Spring St. Manhole#4118 is overflowing into Gulpha Creek.	4118	11/27/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	857 Carpenter Dam Rd Manhole#5259 is overflowing into Unknowing Creek.	5259	11/27/2015 0:00	95000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	104 Forestview Ct. Manhole #1864 is overflowing into Hot Springs Creek.	1864	11/27/2015 0:00	125000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	3047 Malvern Ave. Manhole#1747 is overflowing into Gulpha Creek.	1747	11/27/2015 0:00	255,000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	362 Fontana Rd Manhole#1866 is overflowing into Hot Springs Creek	1866	11/27/2015 0:00	245000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	106 Forestview Ct. Manhole#12242 is overflowing into Hot Springs Creek.	12242	11/27/2015 0:00	125000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole#5260 is overflowing into Unknown Creek.	5260	11/27/2015 0:00	95000	SSO Reached Receiving Water (river, stream)	R	5.85 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek	1747	11/17/2015 0:00	75000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	106 Forestview Ct. Manhole # 12242 overflowed into Hot Springs Creek	12242	11/17/2015 0:00	65000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	109 Green Circle Island #5 Pump Station overflowed into Lake Hamilton	Island #5 P.S.	11/17/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain/ power loss
AR0033880	116 Long Island Bay Island #6 Pump Station overflowed into Lake Hamilton	Island #6 P.S.	11/17/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain/ power loss
AR0033880	579 Lake Hamilton Dr. Hot Springs # 2 Pump Station is overflowing into Lake Hamilton	HS #2 P.S.	11/17/2015 0:00	21,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain/power loss
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	11/17/2015 0:00	12000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek	5260	11/17/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	152 Aberina St. Hot Springs - # 1 Pump Station - is overflowing into Lake Hamilton	HS#1 P.S.	11/17/2015 0:00	20,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain/power loss
AR0033880	2332 Higdon Ferry Rd. Hot Springs # 3 Pump Station overflowed into Lake Hamilton	HS#3 P.S.	11/17/2015 0:00	40000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain/power loss
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	11/17/2015 0:00	13000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	816 Carpenter Dam Rd. Manhole # 5260 overflowed into Unknown Creek	5260	11/17/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	1539 Spring St Manhole # 4117 overflowed into Gulpha Creek	4117	11/17/2015 0:00	7000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	403 McLeod St. Manhole # 991 overflowed into Stokes Creek	991	11/17/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	1539 Spring St Manhole # 4118 overflowed into Gulpha Creek	4118	11/17/2015 0:00	7500	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	352 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek	1866	11/17/2015 0:00	40,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	11/17/2015 0:00	25,000	SSO Reached Receiving Water (river, stream)	R	3.11 inches of rain
AR0033880	320 Davidson Dr. - at the head of plant - high flows bar screen jammed up , excessive debris.	Regional Plant	7/4/2015 0:00	Est 3.125 MG	SSO Occurred at Treatment Plant	R	5.16 inches of rain
AR0033880	1539 Spring St. - Manhole #4118 - overflowed into Gulpha Creek	1539	7/4/2015 0:00	3000	SSO Reached Receiving Water (river, stream)	R	5.16 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	857 Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	7/4/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	5.16 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	7/4/2015 0:00	10,000	SSO Reached Receiving Water (river, stream)	R	5.16 inches of rain
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	7/4/2015 0:00	18,000	SSO Reached Receiving Water (river, stream)	R	5.16 inches of rain
AR0033880	3047 Malvern Ave - Manhole # 1747 - overflowed into Gulpha Creek	1747	7/4/2015 0:00	40,000	SSO Reached Receiving Water (river, stream)	R	5.16 inches of rain
AR0033880	320 Davidson DR. Hot Springs AR 71901	Regional Plant	5/30/2015 0:00	14.million	SSO Reached Receiving Water (river, stream)	R	Heavy Rains, I&I Issues. EQ Pond at maximum capacity. Bypass Partial flows over 18. MGD
AR0033880	857 Carpenter Dam Rd. - Manhole#5259 - overflowed into unknown creek.	5259	5/30/2015 0:00	50,000	SSO Reached Receiving Water (river, stream)	R	.88 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. - Manhole # 4117 - overflowed into Gulpha Creek	4117	5/26/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	320 Davidson Dr. - treatment plant	Regional Plant	5/26/2015 0:00	undetermined	SSO Reached Receiving Water (river, stream)	R	Heavy rains I&I Issues. 12 MGD Design EQ Pond at Maximum Capacity. influent < 45MGD
AR0033880	106 Forest View Ct. - Manhole # 12242 - overflowed into Hot Springs Creek	12242	5/25/2015 0:00	25,000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek.	1747	5/25/2015 0:00	80,000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	1539 Spring St. - Manhole # 4118 - overflowed into Gulpha Creek	1539	5/25/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	519 McLeod St. Manhole # 995 overflowed into Stokes Creek	995	5/25/2015 0:00	28,000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	5/25/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	816 Carpenter Dam Rd. - Manhole # 5260 - overflowed into Unknown Creek	5260	5/25/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	615 McLeod St. Manhole # 998 overflowed into Stokes Creek	998	5/25/2015 0:00	85000	SSO Reached Receiving Water (river, stream)	R	2.26 inches of rain
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek	1747	5/20/2015 0:00	225000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	615 McLeod - St. Manhole # 998 - overflowed into Stokes Creek	998	5/20/2015 0:00	250000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMRENTS
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	5/20/2015 0:00	200000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	816 Carpenter Dam Rd. - Manhole #5260 - overflowed into Unknown Creek	5260	5/20/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	1539 Spring St. - MH # 4117 - overflowed into Gulpha Creek	4117	5/20/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	1539 Spring St. - Manhole # 4118 - overflowed into Gulpha Creek	4118	5/20/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	403 McLeod St. - Manhole# 991 - overflowed into Stokes Creek	991	5/20/2015 0:00	60000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	408 Hollywood Ave Manhole # 161 overflowed into Hot Springs Creek	161	5/20/2015 0:00	1500	SSO Reached Receiving Water (river, stream)		1.91 inches of rain
AR0033880	320 Davidson Hot Springs AR 71901	Regional Plant	5/20/2015 0:00	undetermined	SSO Reached Receiving Water (river, stream)	R	Heavy Rains I&I overflow EQ Pond full. Bypass secondary treatment. Disinfect before discharging. continuous monitoring
AR0033880	104 Forest View Ct. Manhole # 1864 overflowed into Hot Springs Creek. this was submitted as this address but the wrong Manhole #	1864	5/20/2015 0:00	45000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	519 McLeod St. - Manhole #995 - overflowed into Stokes Creek	995	5/20/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	106 Forest View Ct. - Manhole # 12242 - overflowed into Hot Springs Creek	12242	5/20/2015 0:00	55000	SSO Reached Receiving Water (river, stream)	R	1.91 inches of rain
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	5/17/2015 0:00	3000	SSO Reached Receiving Water (river, stream)	R	1.12 inches of rain
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	5/17/2015 0:00	5500	SSO Reached Receiving Water (river, stream)	R	1.12 inches of rain
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	5/17/2015 0:00	3500	SSO Reached Receiving Water (river, stream)	R	1.12 inches of rain
AR0033880	150 Akers Rd. - Manhole #8755 - overflowed onto Private Property	8755	5/12/2015 0:00	7000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	519 McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	5/11/2015 0:00	250000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	3047 Malvern Ave. - Manhole #1747 - overflowed into Gulpha Creek	1747	5/11/2015 0:00	400000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	104 Forest View Ct. - Manhole # 1864 - overflowed into Hot Springs Creek	1864	5/11/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	5/11/2015 0:00	200000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	403 McLeod St. - Manhole # 991 - overflowed into Stokes Creek	991	5/11/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	5/11/2015 0:00	250000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	106 Forest View Ct. - Manhole # 12242 - overflowed into Hot Springs Creek	12242	5/11/2015 0:00	100000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	264 Shady Grove Rd. Manhole # 162 overflowed into Hot Springs Creek	162	5/11/2015 0:00	7500	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	204 Shady Grove Rd. Manhole # 4150 overflowed into Hot Springs Creek	4150	5/11/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	798 Adams St Manhole # 1899 overflowed into Hot Springs Creek	1899	5/11/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	504 Hollywood Ave Manhole # 138 overflowed into ditch	138	5/11/2015 0:00	4,000	SSO Reached Public Land Only (ground)	R	5.99 inches of rain
AR0033880	140 Shore Acres - Manhole # 9760 - overflowed into Lake Hamilton	9760	5/11/2015 0:00	6000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	816 Carpenter Dam Rd. - Manhole# 5260 - overflowed into Unknown Creek	5260	5/11/2015 0:00	75000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	229 Gorge Rd. - Manhole # 3327 - overflowed into Gulpha Creek	3327	5/11/2015 0:00	35000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	612 Woodlawn Ave. - Manhole # 972 - overflowed into Stokes Creek	972	5/11/2015 0:00	100000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St. - Manhole# 4117 - overflowed into Gulpha Creek	4117	5/11/2015 0:00	60000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	287 Gorge Rd. - Manhole # 9968 - overflowed into Gulpha Creek	9968	5/11/2015 0:00	20,000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	290 Shady Grove Rd. - Manhole # 161 - overflowed into Hot Springs Creek	161	5/11/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	146 Shore Acres - Manhole # 9759 - overflowed into Lake Hamilton	9759	5/11/2015 0:00	6500	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	799 Adams St. - Manhole # 4206 - overflowed into Hot Springs Creek	4206	5/11/2015 0:00	120000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	703 Woodlawn Ave. - Manhole # 974 - overflowed into Stokes Creek	974	5/11/2015 0:00	110000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	1539 Spring St. - Manhole# 4118 - overflowed into Gulpha Creek	4118	5/11/2015 0:00	65000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	McLeod St, & Lakeshore Dr - Manhole # 11274 - overflowed into Stokes Creek	11274	5/10/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	End of Emerson Place - Manhole #7810 - overflowed into Lake Hamilton	7810	5/9/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain
AR0033880	Carpenter Dam Rd Manhole # 5259 overflowed into Unknown Creek	5259	5/9/2015 0:00	20000	SSO Reached Receiving Water (river, stream)	R	5.99 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	3047 Malvern Ave - Manhole # 1747 - overflowed into Gulpha Creek	1747	4/24/2015 0:00	120000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	1539 Spring St. - Overflowed into Gulpha Creek	4118	4/25/2015 0:00	4000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	403 McLeod St - Manhole # 991 - overflowed into Stokes Creek	991	4/25/2015 0:00	3000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	4/24/2015 0:00	40000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	106 Forest View Ct. - Overflowed into Hot Springs Creek	12242	4/24/2015 0:00	15000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	857 Carpenter Dam Rd. - Manhole # 5259 - overflowed into Unknown Creek	5259	4/24/2015 0:00	45000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	1539 Spring St - manhole# 4118 - overflowed into Gulpha. Creek	4118	4/24/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	519 McLeod St. - Manhhole # 995 - overflowed into Stokes Creek	995	4/24/2015 0:00	30000	SSO Reached Receiving Water (river, stream)	R	2.46 inches of rain
AR0033880	3047 Malvern Ave - Manhole # 1747 - overflowed into Gulpha Creek	1747	4/15/2015 0:00	1000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	Carpenter Dam Rd., Manhole # 5259, overflowed into Unknown Creek	5259	4/13/2015 0:00	175000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	McLeod St. - Manhole # 991 - overflowed into Stokes Creek	991	4/13/2015 0:00	35000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	Forestview Ct. - Manhole # 1864 - overflowed into Hot Springs Creek	1864	4/13/2015 0:00	70000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	816 Carpenter Dam Rd. - Manhole # 5260 - overflowed into Unknown Creek	5260	4/13/2015 0:00	25,000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	Spring St. - Manhole # 4118 - overflowed into Gulpha Creek	4118	4/13/2015 0:00	40,000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	Malvern Ave - Manhole (North of Gulpha Creek Bridge) - overflowed into Gulpha Creek	1747	4/13/2015 0:00	150000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	4/13/2015 0:00	100000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	McLeod St. - Manhole # 995 - overflowed into Stokes Creek	995	4/13/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain
AR0033880	McLeod St. Manhole # 998 overflowed into Stokes Creek	998	4/13/2015 0:00	100000	SSO Reached Receiving Water (river, stream)	R	3.02 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	772 McLeod St - manhole # 11275 - overflowed into Stokes Creek	11275	4/2/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	1.56 inches of rain
AR0033880	615 McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	4/2/2015 0:00	150,000	SSO Reached Receiving Water (river, stream)	R	1.56 inches of rain
AR0033880	Regional WWTP - 320 Davidson Drive - Hot Springs AR	Regional Plant	3/22/2015 0:00	undetermined yet	SSO Reached Receiving Water (river, stream)	R	Overflow to EQ Pond Full. Heavy rains past month, we are having to go back on partial bypass of secondary treatment, going directly to disinfection before discharge, with continuous monitoring.
AR0033880	Malvern Ave just north of Gulpha Creek Bridge Manhole #1747 overflowed into Gulpha Creek	1747	3/12/2015 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	Carpenter Dam Rd. Manhole # 5259 overflowed into Unknown Creek	5259	3/12/2015 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	McLeod St. Manhole # 998 overflowed into Stokes Creek	998	3/12/2015 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	McLeod St. Manhole # 993 overflowed into Stokes Creek is	993	3/12/2015 0:00	Undetermined	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	816 Carpenter Dam Rd Manhole # 5260 overflowed into Unknown Creek	5260	3/13/2015 0:00	200000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	Spring St. Manhole# 4117 overflowed into Gulpha Creek	4117	3/13/2015 0:00	45000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	128 Shore Acres Rd Manhole # 9760 overflowed into Lake Hamilton	9760	3/13/2015 0:00	4500	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	McLeod St. Manhole # 991 overflowed into Stokes Creek	991	3/12/2015 0:00	175000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	Forest View Ct. Manhole #12242 overflowed Into Hot Springs Creek	12242	3/12/2015 0:00	400000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	3/12/2015 0:00	60000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	Hollywood Ave Manhole # 138 overflowed into a ditch	138	3/13/2015 0:00	4500	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	793 Adams St. Manhole # 1899 overflowed on to asphalt surface	1899	3/13/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	797 Adams St. Manhole #4206 Overflowed into Hot Springs Creek	4206	3/13/2015 0:00	3500	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	202 Shady Grove Rd. Manhole # 166 overflowed into Hot Springs Creek	166	3/13/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain

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### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	611 East Grand Ave Manhole # 10578 overflowed into ditch	10578	3/13/2015 0:00	4000	SSO Reached Receiving Water (river, stream)	R	3.08 inches of rain
AR0033880	McLeod St. Manhole # 998 overflowed into Stokes Creek	998	3/10/2015 0:00	115000	SSO Reached Receiving Water (river, stream)	R	1.18 inches of rain
AR0033880	Carpenter Dam Rd. Manhole # 5259 overflowed into unknown creek	5259	3/10/2015 0:00	150,000	SSO Reached Receiving Water (river, stream)	R	1.18 inches of rain
AR0033880	McLeod St. Manhole # 993 overflowed into Stokes Creek	993	3/10/2015 0:00	75,000	SSO Reached Receiving Water (river, stream)	R	1.18 inches of rain
AR0033880	Malvern Ave just north of Gulpha Creek bridge. Manhole # 1747 overflowed into Gulpha Creek	1747	3/10/2015 0:00	350000	SSO Reached Receiving Water (river, stream)	R	1.18 inches of rain
AR0033880	Spring St. Manhole # 4118 overflowed into Gulpha Creek	4118	3/10/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	1.18 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	Reg. WWTF - 320 Davidson Dr.	Regional Plant	3/8/2015 0:00	5 to 10 percent of flow	SSO Reached Receiving Water (river, stream)	R	Due to rains in February, heavy snow and ice, and now continuing rains in March, our EQ pond has reached its maximum fill level. We are on the verge of upset conditions inside plant at 6pm on 03/07/2015 We have had to open the secondary bypass valve allow.
AR0033880	Malvern Ave between Gulpha Creek Bridge and Bypass Manhole# 1747 overflowed into Gulpha Creek	1747	2/21/2015 0:00	Undeterred	SSO Reached Receiving Water (river, stream)	R	1.01 inches of rain
AR0033880	McLeod St. - Manhole # 998 - overflowed into Stokes Creek	998	2/21/2015 0:00	50000	SSO Reached Receiving Water (river, stream)	R	1.01 inches of rain
AR0033880	McLeod St. Manhole # 993 overflowed into Stokes Creek	993	2/21/2015 0:00	7000	SSO Reached Receiving Water (river, stream)	R	1.01 inches of rain
AR0033880	Carpenter Dam Rd. - Manhole #5259 - overflowed into Unknown Creek	5259	1/3/2015 0:00	35000	SSO Reached Receiving Water (river, stream)	R	1.77 inches of rain

## CAO CAPACITY SSO REPORT 2015

### REGIONAL PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	McLeod St. - Manhole # 991 - overflowed into Stokes Creek	991	1/3/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	R	1.77 inches of rain
AR0033880	McLeod St. Manhole # 991 overflowed into Stokes Creek	991	1/3/2015 0:00	30,000	SSO Reached Receiving Water (river, stream)	R	1.77 inches of rain
AR0033880	McLeod St. Manhole # 998 overflowed into Stokes Creek	998	1/3/2015 0:00	30,000	SSO Reached Receiving Water (river, stream)	R	1.77 inches of rain
AR0033880	Catherine Heights Rd. - Manhole # 1750 - overflowed into Gulpha Creek	1750	1/2/2015 0:00	90000	SSO Reached Receiving Water (river, stream)	R	1.77 inches of rain

**CAO CAPACITY SSO REPORT 2015**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	12/27/2015 0:00	23000	SSO Reached Receiving Water (river, stream)	R	3.2 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	12/27/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	3.2 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton	13483	12/27/2015 0:00	Still Overflowing	SSO Reached Receiving Water (river, stream)	R	3.2 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton	13484	12/27/2015 0:00	Still Overflowing	SSO Reached Receiving Water (river, stream)	R	3.2 Inches of rain

## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. manhole# 13483 overflowed into Lake Hamilton.	13483	11/27/2015 0:00	85,000	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain
AR0050148	162 Warpath Lift station overflowed into unknown stream.	Warpath P.S.	11/27/2015 0:00	20,000	SSO Affected Private Property (ground)	R	5.85 Inches of rain
AR0050148	2006 Airport Road Lift station overflowed out of lift tank into unknown stream.	Airport Rd P.S.	11/27/2015 0:00	3500	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain
AR0050148	1724 Marion Anderson Mazarn #2 P.S. Overflowed at lift station into yard, then ditch, into Lake Hamilton.	Mazarn #2 P.S.	11/27/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain

## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	114 Ridge Point Mazarn #1 P.S. Overflowed into yard and then into Lake Hamilton.	Mazarn #1 P.S.	11/27/2015 0:00	1500	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole#13483 is overflowing into Lake Hamilton.	13483	11/27/2015 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain
AR0050148	2460 Mairon Anderson Rd is overflowing into Lake Hamilton.	13484	11/27/2015 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	5.85 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole# 13484 overflowed into Lake Hamilton	13484	11/17/2015 0:00	1000	SSO Reached Receiving Water (river, stream)	R	3.11 Inches of rain
AR0050148	297 South Rodgers South Rodgers Pump Station overflowed into Unknown Creek	S. Rogers P.S.	11/17/2015 0:00	25,000	SSO Reached Receiving Water (river, stream)	R	3.11 Inches of rain

## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole# 13483 overflowed into Lake Hamilton	13483	11/17/2015 0:00	1000	SSO Reached Receiving Water (river, stream)	R	3.11 Inches of rain
AR0050148	299 South Rodgers Rd. - Pump Station - overflowed into Unknown Creek	S. Rogers PS	5/25/2015 0:00	500	SSO Reached Receiving Water (river, stream)	R	2.26 Inches of rain
AR0050148	2460 Marion Anderson. Manhole #13483 is overflowing into Lake Hamilton.	13483	5/20/2015 0:00		SSO Reached Receiving Water (river, stream)	R	1.91 Inches of rain
AR0050148	2460 Marion Anderson. Manhole #13484 is overflowing into Lake Hamilton.	13484	5/20/2015 0:00		SSO Reached Receiving Water (river, stream)	R	1.91 Inches of rain

## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	5/20/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	1.91 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	5/20/2015 0:00	25000	SSO Reached Receiving Water (river, stream)	R	1.91 Inches of rain
AR0050148	2460 Marion Anderson Rd. - Manhole # 13483 - overflowed into Lake Hamilton	13483	5/11/2015 0:00	30000	SSO Reached Receiving Water (river, stream)	R	5.99 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	5/11/2015 0:00	30000	SSO Reached Receiving Water (river, stream)	R	5.99 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 is overflowing into Lake Hamilton	13483	5/11/2015 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	5.99 Inches of rain

**CAO CAPACITY SSO REPORT 2015**

**SWWWTP PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 is overflowing into Lake Hamilton	13484	5/11/2015 0:00	Still overflowing at this time.	SSO Reached Receiving Water (river, stream)	R	5.99 Inches of rain
AR0050148	2460 Marion Anderson Rd. - Manhole # 13483 - overflowed into Lake Hamilton	13483	4/13/2015 0:00	30,000	SSO Reached Receiving Water (river, stream)	R	3.02 Inches of rain
AR0050148	2460 Marion Anderson Rd. - Manhole # 13484 - overflowed into Lake Hamilton	13484	4/13/2015 0:00	30,000	SSO Reached Receiving Water (river, stream)	R	3.02 Inches of rain
AR0050148	2460 Marion Anderson Rd Manhole # 13483 is overflowing into Lake Hamilton	13483	4/13/2015 0:00	Still overflowing at this time	SSO Reached Receiving Water (river, stream)	R	3.02 Inches of rain

## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. - Manhole # 13484 - is overflowing into Lake Hamilton	13484	4/13/2015 0:00	Still overflowing at this time	SSO Reached Receiving Water (river, stream)	R	3.02 Inches of rain
AR0050148	2222 Airport Rd. 70 West - #11 Pump Station - overflowed into Ditch	70 West - #11 P.S.	4/13/2015 0:00	1000	SSO Affected Private Property (ground)	R	3.02 Inches of rain
AR0050148	2460 Marion Anderson Rd Manhole # 13484 overflowed into Lake Hamilton	13484	3/13/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.08 Inches of rain
AR0050148	2460 Marion Anderson Rd Manhole # 13483 overflowed into Lake Hamilton	13483	3/13/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	R	3.08 Inches of rain
AR0050148	2460 Marion Anderson Rd. Manhole # 13483 overflowed into Lake Hamilton	13483	3/12/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.08 Inches of rain

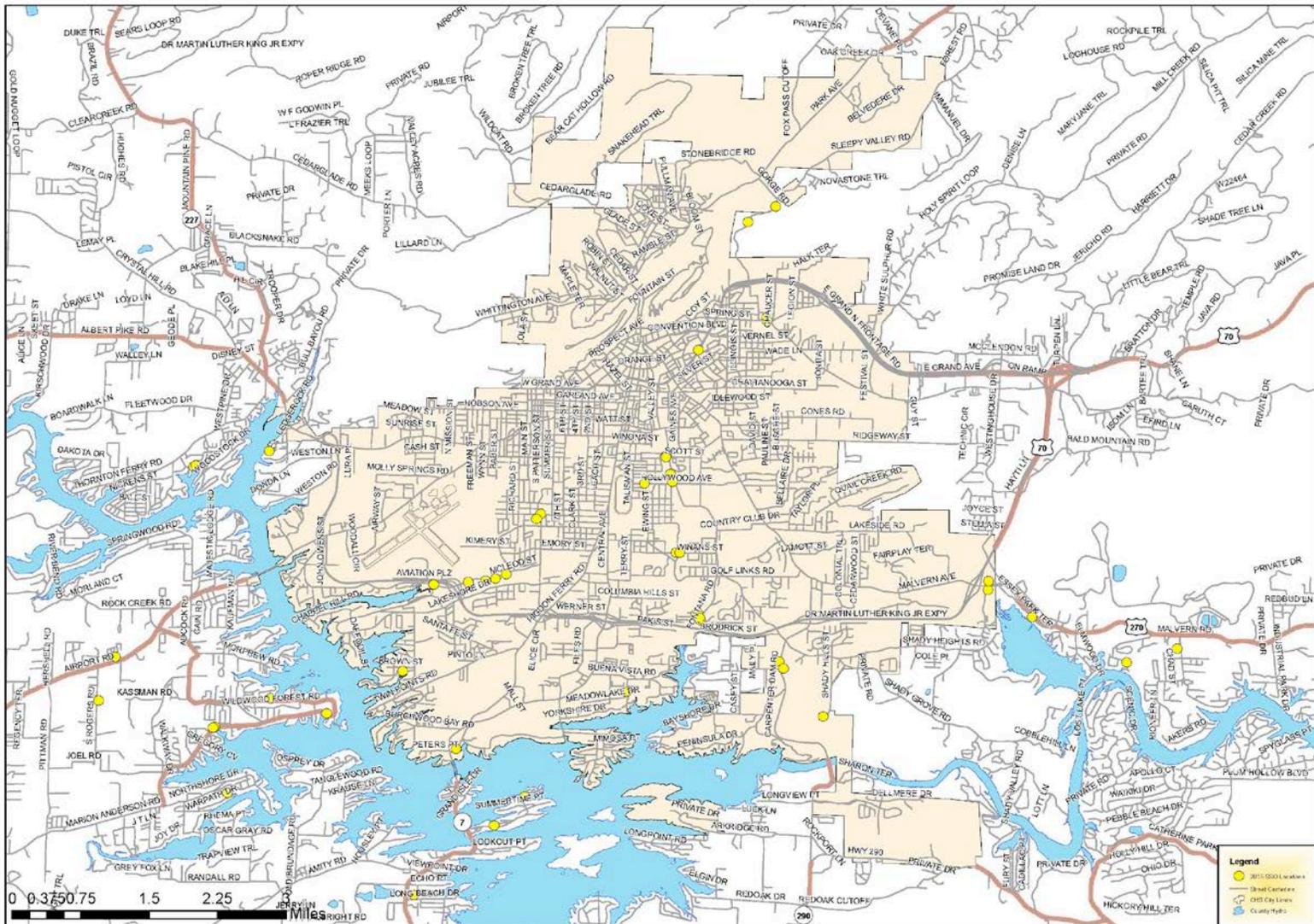
## CAO CAPACITY SSO REPORT 2015

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	3/12/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	R	3.08 Inches of rain

# CAPACITY SSO LOCATION MAP 2015-2018

**2015 SSO CAPACITY RELATED EVENT LOCATIONS**



N

**City of Hot Springs**  
**2015 SSO Capacity Related Event Locations**  
 (164 Each)

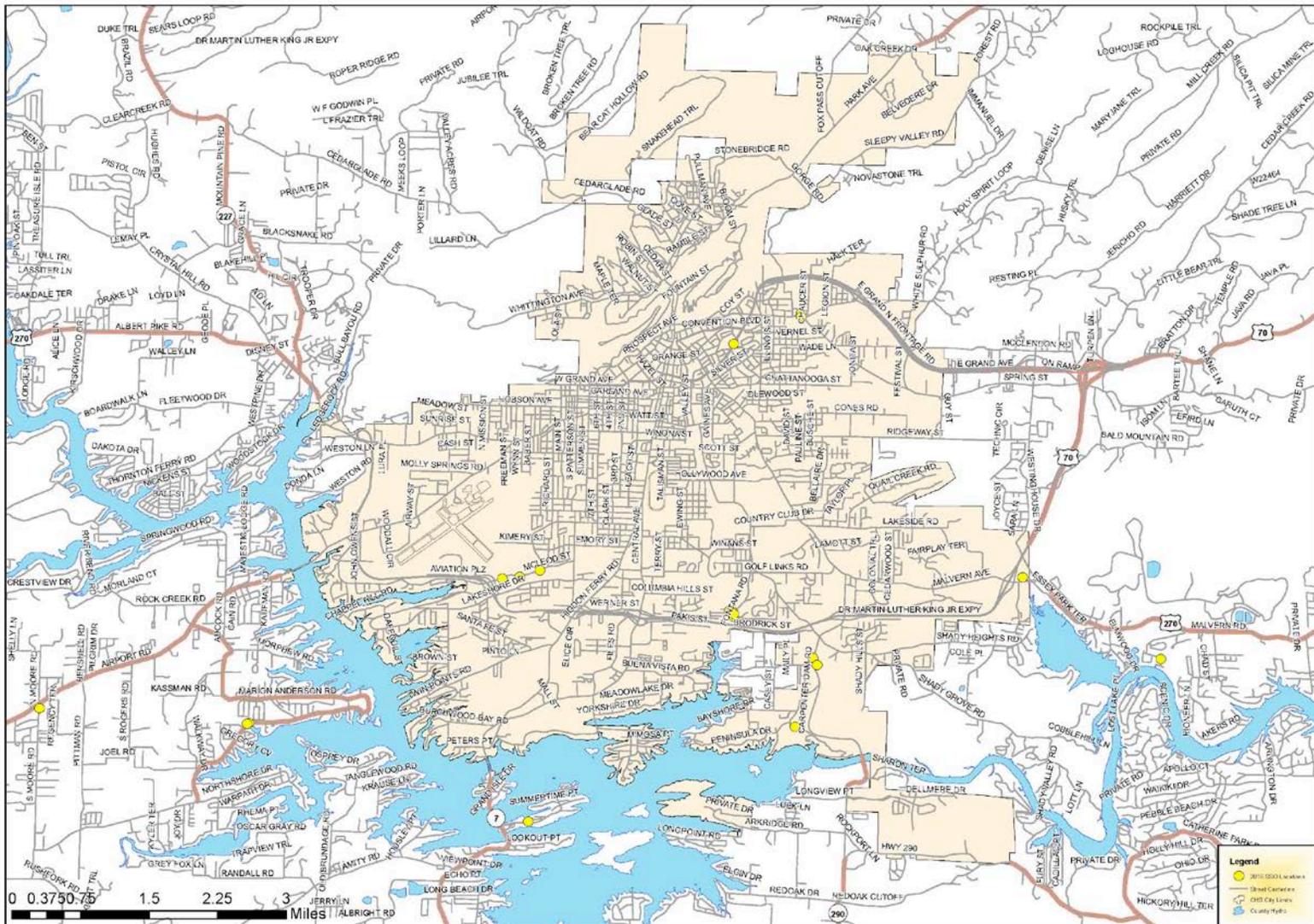


**Legend**

- 2015 SSO Locations
- 2015 Capacity Related Event Locations
- City Limits
- County Hydro

City of Hot Springs, Arkansas  
 Planning Department  
 2015 SSO Capacity Related Event Locations  
 This map is for informational purposes only. It is not intended to be used as a legal document. The City of Hot Springs is not responsible for any errors or omissions on this map. The City of Hot Springs is not responsible for any damages or liabilities arising from the use of this map. The City of Hot Springs is not responsible for any claims or lawsuits arising from the use of this map. The City of Hot Springs is not responsible for any claims or lawsuits arising from the use of this map.

**2016 SSO CAPACITY RELATED EVENT LOCATIONS**

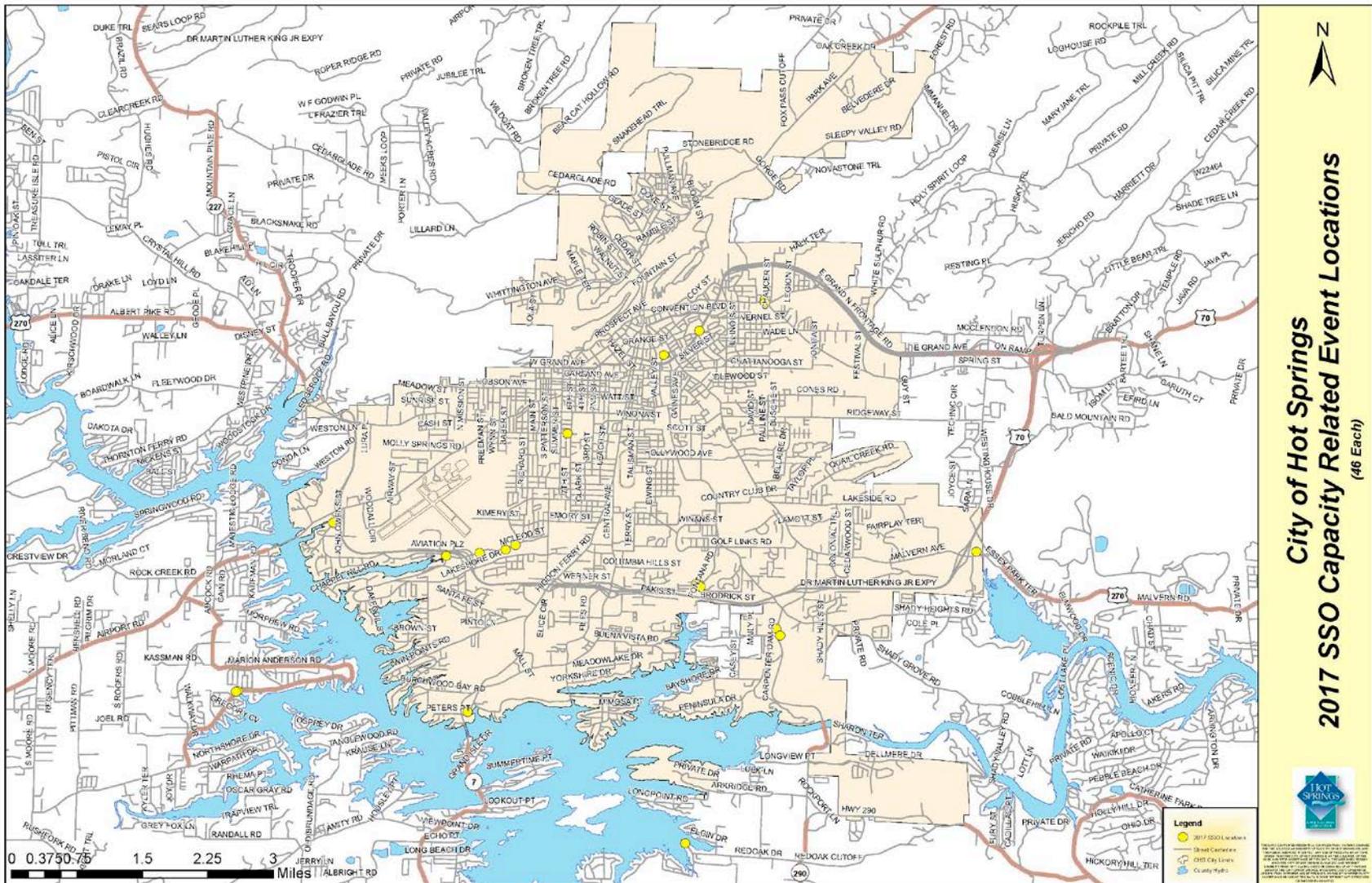


**City of Hot Springs**  
**2016 SSO Capacity Related Event Locations**  
 (86 Each)



- Legend**
- 2016 SSO Locations
  - Unincorporated
  - City Limits
  - County Hydro

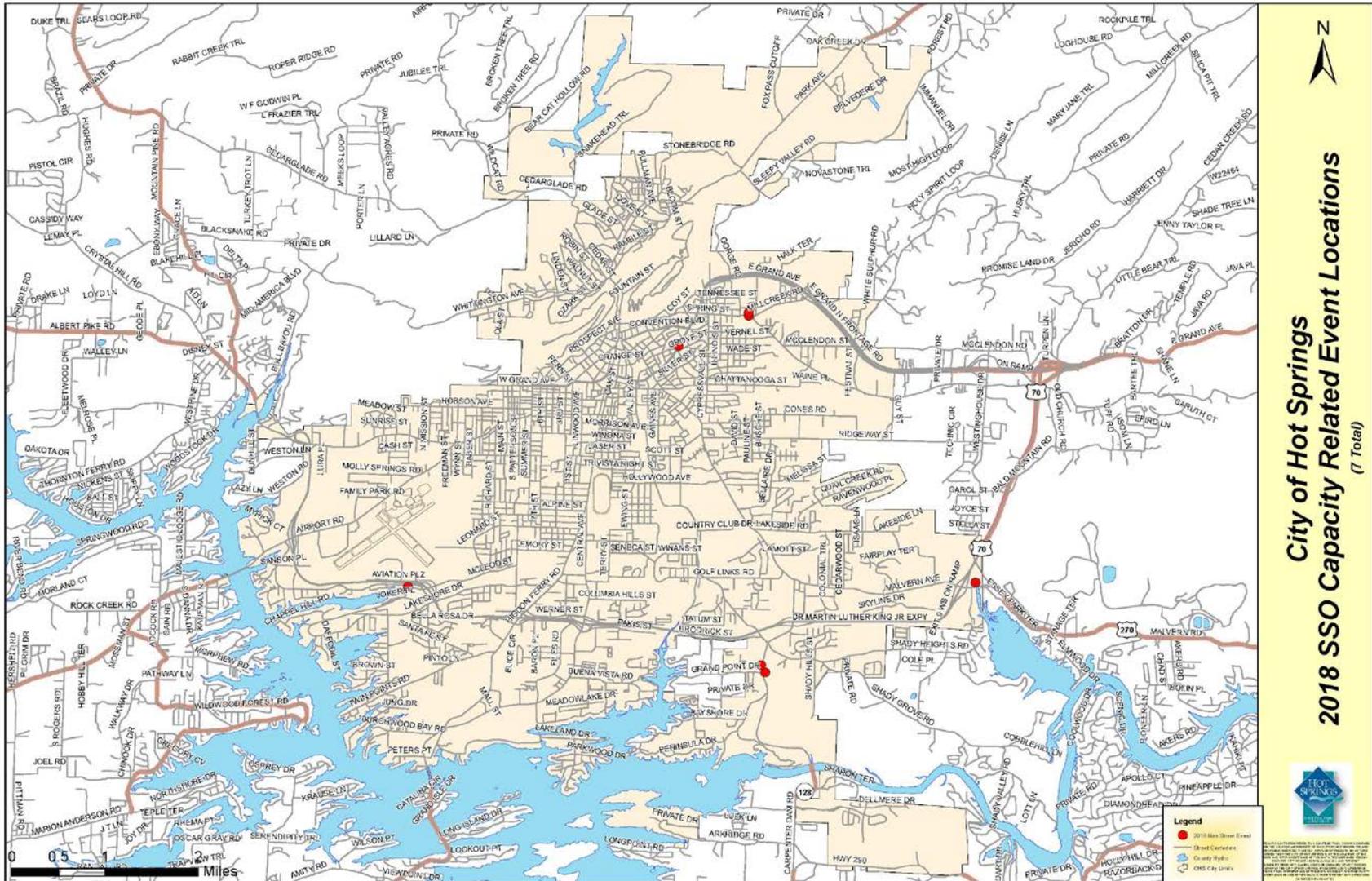
City of Hot Springs, Arkansas  
 Planning Department  
 2016 SSO Capacity Related Event Locations  
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**2017 SSO CAPACITY RELATED EVENT LOCATIONS**



## 2018 SSO CAPACITY RELATED EVENT LOCATIONS



**City of Hot Springs**  
**2018 SSO Capacity Related Event Locations**  
 (7 Total)

**CAO NON-CAPACITY SSO REPORT 2018**

**REGIONAL PLANT**

Total SSO's = 17

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	210 Aberina St. Manhole # 8173 overflowed into Unknown Creek.	8173	4/2/2018 0:00	500	SSO Reached Receiving Water (river, stream)	D	Manhole stopped up
AR0033880	421 Lake Park Dr. Carpenter Dam Pump Station overflowed into ditch.	Lakeside P.S.	4/2/2018 0:00	1500	SSO Affected Private Property (ground)	E	Mechanical failure (bubbler air loss)
AR0033880	212 Bull Bayou Rd. Manhole# ( Unknown at this Time.) overflowed into ditch.		3/30/2018 0:00	500	SSO Reached Public Land Only (ground)	E	Duplex grinder pump failure
AR0033880	3047 Malvern Ave Manhole # 1747 overflowed into Gulpha Creek..	1747	3/30/2018 0:00	5000	SSO Reached Receiving Water (river, stream)	LF	Force main break (station had to be shut down for repair)
AR0033880	100 Jerry Lane Milk Lane Pump Station overflowed onto ground.	Milk Ln. P.S.	3/15/2018 0:00	200	SSO Affected Private Property (ground)	D	Pumps stopped up

**CAO NON-CAPACITY SSO REPORT 2018**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	233 Elmwood Dr. line failure outside of Duplex Pump Station overflowed into Lake Catherine	Line Failure	3/12/2018 0:00	1500	SSO Reached Receiving Water (river, stream)	LF	Force main break
AR0033880	127 Macon Terrace Fairwood Pump Station overflowed into Lake Hamilton	Fairwood P.S.	3/8/2018 0:00	300	SSO Reached Receiving Water (river, stream)	CO	Contractor improperly installed new transducer for wet well level
AR0033880	152 Aberina Dr. Hot Springs #1 Pump Station overflowed into ditch.	HS#1 P.S.	3/6/2018 0:00	1000	SSO Reached Public Land Only (ground)	E	Mechanical failure
AR0033880	152 Aberina St, Hot Springs #1 pump station overflowed into unknown creek.	HS#1 P.S.	43150	5,000 gals	SSO Reached Receiving Water (river, stream)	E	Godwin faulted out
AR0033880	209 Highland St. Manhole # 111 overflowed onto ditch due to roots.	111	43130	1000	SSO Reached Public Land Only (ground)	RO	Roots

**CAO NON-CAPACITY SSO REPORT 2018**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground.	Winkler P.S.	4/23/2018 0:00	5000	SSO Affected Private Property (ground)		
AR0050148	1724 Marion Anderson Rd. Mazarn #2 Pump Station overflowed into Lake Hamilton.	Mazarn #2 P.S.	4/15/2018 0:00	10,000	SSO Reached Receiving Water (river, stream)		
AR0050148	200 Winkler Rd. Winkler Pump Station overflowed onto ground due to power failure.	Winkler P.S.	3/20/2018 0:00	1500	SSO Affected Private Property (ground)	EF	Entergy Issues
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground due to Power Failure.	Winkler P.S.	1/30/2018 0:00	5000	SSO Affected Private Property (ground)	EF	Entergy Issues

**CAO NON-CAPACITY SSO REPORT 2018**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground due to power failure. (Entergy is having trouble with power surges due cold weather usage.)	Winkler P.S.	1/18/2018 0:00	500	SSO Affected Private Property (ground)	EF	Entergy Issues
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground surface due to power failure.	Winkler P.S.	1/17/2018 0:00	750	SSO Affected Private Property (ground)	EF	Entergy Issues
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground surface due to equipment failure.	Winkler P.S.	1/2/2018 0:00	5000	SSO Affected Private Property (ground)	E	

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

Total SSO's = 45

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	401 Halteria Lane Pump Station overflowed onto ground due to Pump Station bring turned off because of Pressure Main break at station.	Halteria P.S.	12/20/2017 0:00	250	SSO Reached Public Land Only (ground)	LF	Force main break
AR0033880	318 Davidson Drive at the filter backwash return tank	Regional Plant	12/12/2017 0:00	1000	SSO Occurred at Treatment Plant	Operator washing tertiary filter failed to close valve in time	We will be using this incident as a warning and training for all operators and staff.
AR0033880	360 Fontana Rd. Hot Springs Creek Pump Station over flowed into Hot Springs Creek Due to Equipment Failure.	HS Creek P.S.	11/29/2017 0:00	2500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	5322 Central Ave contractor broke Pressure Sewer Main and I overflowed onto ground.	Line Failure	10/30/2017 0:00	500	SSO Reached Public Land Only (ground)	CO	Contractor hit Force main

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	857 Carpenter Dam Rd. Lakeside Pump Station overflowed into Unknown Creek due to Equipment Failure	Lakeside P.S.	10/17/2017 0:00	1000	SSO Reached Receiving Water (river, stream)	D	Stopped up pumps
AR0033880	322 Farris Landing Rd. 2" Pressure Main failure overflowed onto ground surface.	Line Failure	9/6/2017 0:00	400	SSO Reached Public Land Only (ground)	LF	Force main break
AR0033880	521 Files Rd. Duplex Pump Station overflowed onto the ground due to power failure.	Files Rd P.S.	8/20/2017 0:00	1000	SSO Reached Public Land Only (ground)	EF	Power failure
AR0033880	111 Green Circle Island # 5 Pump Station overflowed into ditch due to Equipment Failure	Island #5 P.S.	8/10/2017 0:00	150	SSO Reached Public Land Only (ground)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	5416 Central Ave. Contractor bored through 12" Pressure Sewer Main and it overflowed into ditch.	Line Failure	8/8/2017 0:00	10,000	SSO Reached Public Land Only (ground)	CO	Contractor hit Force main
AR0033880	360 Fontana Rd. Manhole # 1866 overflowed into Hot Springs Creek due to Equipment Failure at Hot Springs Creek Pump Station.	1866	8/2/2017 0:00	1000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	362 Fontana Rd. Manhole #1866 overflowed into Hot Springs creek.	1866	7/19/2017 0:00	10,000 gal	SSO Reached Receiving Water (river, stream)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	108 Catherine Heights Rd. Catherine Heights Pump Station overflowed onto ground due to equipment failure.	Catherine Hts. P.S.	7/19/2017 0:00	1000	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	611 East Grand Ave Manhole # 10578 overflowed into storm sewer due to roots in main.	10578	7/14/2017 0:00	150		RO	Roots in gravity main
AR0033880	808 Quapaw Ave. Manhole # 520 overflowed into storm sewer due to debris in main.	520	7/14/2017 0:00	100	SSO Reached Receiving Water (river, stream)	D	Stopped up gravity main

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	579 Lake Hamilton Dr. Hot Springs #2 Pump Station overflowed onto ground due to equipment failure.	HS#2 P.S.	7/3/2017 0:00	300	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	2353 Lakeshore Dr. Manhole # 7746 overflowed into Lake Hamilton due Equipment Failure at Hogan Pump Station.	7746	6/26/2017 0:00	500	SSO Reached Receiving Water (river, stream)	E	Mechanical pump failure
AR0033880	423 Lakepark Dr. Carpenter Dam Pump Station overflowed into Unknown Creek due to Power Loss	Lakeside P.S.	6/23/2017 0:00	500	SSO Reached Receiving Water (river, stream)	EF	Mechanical failure (power loss during storm)

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	111 Big Duke Trail Manhole # 9588 overflowed onto ground due to grease on floats in Grand B Pump Station.	9588	6/18/2017 0:00	50	SSO Affected Private Property (ground)	G	Mechanical failure
AR0033880	5917 Central Ave a 6" Pressure Sewer Mainline failure that overflowed into ditch.	Line Failure	6/16/2017 0:00	1000	SSO Affected Private Property (ground)	CO	Force main break (contractor hit main while digging)
AR0033880	213 Highland_ Man hole #105 overflowed onto ground.	105	6/7/2017 0:00	600 gallons	SSO Affected Private Property (ground)	D	Stopped up gravity main
AR0033880	122 Hackberry Dr. the Hackberry Pump Station lost power due to storm and overflowed into Lake Hamilton	Power Loss	5/28/2017 0:00	1000	SSO Reached Receiving Water (river, stream)	EF	Mechanical failure (power loss during storm)

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	213 Lorado Loop Sundance #1 Pump Station overflowed onto Ground Surface due Equipment Failure.	Sundance #1 P.S.	5/3/2017 0:00	3500	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	2343 Higdon Ferry Rd. Manhole #8295 overflowed into Lake Hamilton due the pumps air locking at Hot Springs #3 Pump Station	8295	4/27/2017 0:00	2500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure (air locked pump)
AR0033880	857 Carpenter Dam Rd. Manhole #5259 overflowed to Unknown Creek..	5259	4/2/2017 0:00	4000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure (lakeside pump station)
AR0033880	2912 Albert Pike Rd. 20" Pressure Sewer Main Failure overflowed into ditch and onto ground.	Fairwood F.M.	3/20/2017 0:00	1500	SSO Reached Public Land Only (ground)	LF	Force main break

**CAO NON-CAPACITY SSO REPORT 2017**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	144 Sanford St. Manhole # 302 D overflowed into Unknown Creek.	302	3/6/2017 0:00	300	SSO Reached Receiving Water (river, stream)	D	Gravity main stopped up
AR0033880	111 Big Duke Trail Manhole # 9587 overflowed onto ground/ ditch.	9587	2/25/2017 0:00	1000	SSO Affected Private Property (ground)	E	Mechanical failure at Grand B pump station
AR0033880	118 Hackberry St. Hackberry Pump Station over flowed into ditch.	Hackberry P.S.	1/20/2017 0:00	1000	SSO Reached Public Land Only (ground)	E	Mechanical failure
AR0033880	2804 Albert Pike Rd. Sewer Pressure Main broken and overflowed into Lake Hamilton	Fairwood F.M.	1/12/2017 0:00	7500	SSO Reached Receiving Water (river, stream)	LF	Force main break
AR0033880	375 Chadwood St. Chad Pump Station overflowed into Unknown Creek.	Chad St. P.S.	1/4/2017 0:00	500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2017**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground due to Equipment Failure.	Winkler P.S.	11/6/2017 0:00	800	SSO Affected Private Property (ground)	E	
AR0050148	2280 Airport Rd. 70 West Pump Station # 9 overflowed onto ground due to power loss.	70 W. # 9 P.S.	10/28/2017 0:00	100	SSO Affected Private Property (ground)	EF	
AR0050148	194 Winkler Rd. Winkler Pump Station overflowed onto ground surface due to equipment failure.	Winkler P.S.	10/23/2017 0:00	1000	SSO Affected Private Property (ground)	E	
AR0050148	2222 Airport Rd. 70 West #11 Pump Station overflowed into ditch due to Equipment Failure which cause power failure in panel.	70 W. #11 P.S.	10/3/2017 0:00	1000	SSO Reached Receiving Water (river, stream)	E	

**CAO NON-CAPACITY SSO REPORT 2017**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2122 Airport Road 70 West # 13 Pump Station overflowed onto ground due electrical issue in panel.	70 W. #13 P.S.	9/25/2017 0:00	750	SSO Affected Private Property (ground)	E	
AR0050148	2122 Airport Rd. Hwy 70 West Pump Station #13 overflowed onto ground due to Equipment Failure.	70 W. #13 P.S.	9/11/2017 0:00	500	SSO Affected Private Property (ground)	E	
AR0050148	201 South Rodgers Rd. Forest Hills Apt. Duplex Grinder overflowed onto ground.	S. Rogers Rd. Apts.	9/6/2017 0:00	200	SSO Reached Public Land Only (ground)	E	
AR0050148	1729 Marion Anderson Rd .Mazarn #2 Pump Station overflowed onto ground due to Power Failure.	Mazarn #2 P.S.	9/3/2017 0:00	1000	SSO Reached Public Land Only (ground)	EF	

**CAO NON-CAPACITY SSO REPORT 2017**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	399 South Rodgers Rd. an air relief broken and overflowed into ditch.	S. Rogers Rd. Air Relief Vlv.	8/28/2017 0:00	1000	SSO Reached Public Land Only (ground)	E	
AR0050148	194 Winkler Rd. the Winkler Pump Station overflowed on to private ground due to equipment failure.	Winkler P.S.	7/14/2017 0:00	5500	SSO Affected Private Property (ground)	E	
AR0050148	2006 Airport Road (70 W#14 ) onto open field in front of station	70 W. #14 P.S.	5/31/2017 0:00	1000 gal	SSO Affected Private Property (ground)	E	
AR0050148	2006 Airport Road(70 West #14 P.S.) Onto a field in front of station.	70 W. #14 P.S.	5/30/2017 0:00	1,000 gallons	SSO Affected Private Property (ground)	E	
AR0050148	123 Southmoore Rd. 70 West ##2 pump station overflowed onto ground and into ditch.	70 W. #2 P.S.	5/8/2017 0:00	500 gal	SSO Affected Private Property (ground)	E	

**CAO NON-CAPACITY SSO REPORT 2017**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2362 Marion Anderson Rd. 6" Sewer Pressure Main broke and overflowed into Lake Hamilton.	484	4/3/2017 0:00	1500	SSO Reached Receiving Water (river, stream)	LF	
AR0050148	2475 Marion Anderson Rd. Mazarn #3 Pump Station overflowed into Lake Hamilton , due to having to shut down the Pump Station to make repair to the broken 6" Pressure main @ 2362 Marion Anderson Rd.	Line Failure	4/3/2017 0:00	3000	SSO Reached Receiving Water (river, stream)	LF	

**CAO NON-CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

Total SSO's = 21

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	Fairwood Pump Station, 107 Macon Terrace. Overflowed on ground outside wet well and into an unnamed stream.	Fairwood P.S.	12/7/2016 0:00	4,000 Gallons	SSO Reached Receiving Water (river, stream)	LF	Force main break, station shut down during repair
AR0033880	380 Elkhorn Loop Sundance # 2 Pump Station overflowed into ditch.	Sundacne #2 P.S.	12/1/2016 0:00	1000	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	109 Green Circle Island #5 Pump Station overflowed into ditch.	Island #5 P.S.	11/9/2016 0:00	200	SSO Reached Public Land Only (ground)	E	Mechanical failure
AR0033880	182 Arkota Shores Dr. 6" Pressure Main Failure. Overflow went across driveway.	Line Failure	10/28/2016 0:00	400	SSO Affected Private Property (ground)	LF	Force main break

**CAO NON-CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	213 Larado Lp	P.S.	10/21/2016 0:00	200 Gallons	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	Lakeshore Dr. & McLeod St. Centerpoint Arkla broke a 6" Pressure Sewer Main not a 14" as reported.	Stokes P.S. Area	10/12/2016 0:00	7500	SSO Reached Receiving Water (river, stream)	CO	Force main break by contractor
AR0033880	Overflow into MH by creek, going into Lake Hamilton--bypassed using old main	Line Failure	9/14/2016 0:00	10,000		LF	Force main break
AR0033880	421 Lakepark Dr. Carpenter Dam Pump Station overflowed into ditch.	Lakeside P.S.	8/29/2016 0:00	300	SSO Reached Public Land Only (ground)	E	Mechanical failure
AR0033880	169 Emerson Pt. - Emerson Pt. Pump Station - overflowed onto ground.	Emerson St. P.S.	8/21/2016 0:00	500	SSO Reached Public Land Only (ground)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	311 Oak Shore Circle overflowed out of manhole #11653 and onto ground.	11653	7/27/2016 0:00	2500 gallons	SSO Affected Private Property (ground)	D	Stopped up gravity main
AR0033880	1700 Shady Grove Rd. - Catherine Landing Pump Station - overflowed into Lake Catherine	Catherine Landing P.S.	7/24/2016 0:00	1000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	458 Essex Park Trail Manhole # 8574 overflowed into Lake Catherine due to Power Failure at Malvern Hwy Pump Station	8574	7/15/2016 0:00	2000	SSO Reached Receiving Water (river, stream)	E	Energy lost power line (car crash)
AR0033880	220 Emerson Dr. - Emerson Dr. Pump Station overflowed into Lake Hamilton	Emerson St. P.S.	6/27/2016 0:00	1000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2016**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	227 Bayshore Cv. Manhole # 3372 overflowed into Lake Hamilton	3372	6/26/2016 0:00	300	SSO Reached Receiving Water (river, stream)	D	Stopped up gravity main
AR0033880	135 Emerson Pt. broken 6" Pressure Sewer Main that was leaking into Lake Hamilton (Repaired)	Line Failure	6/13/2016 0:00	1500	SSO Reached Receiving Water (river, stream)	LF	Force main break
AR0033880	127 Foxwood St. Hot Spring Pump Station #4 overflowed on to ground	HS#4 P.S.	1/5/2016 0:00	3000	SSO Affected Private Property (ground)	E	Mechanical failure

## CAO NON-CAPACITY SSO REPORT 2016

### SWWWTP PLANT

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	2475 Marion Anderson Rd. Mazarn #3 Pump Station overflowed on to ground and some into Lake Hamilton	Mazarn #3 P.S.	12/27/2016 0:00	3500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0050148	Mazarn #4 Pump Station @ Marion Anderson Rd & Kathy Ln. overflowed into Lake Hamilton	Mazarn #4 P.S.	12/10/2016 0:00	500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0050148	2122 Airport Rd. Pump Station 70 West #13 overflowed onto ground.	70 W. # 13 P.S.	11/4/2016 0:00	200	SSO Affected Private Property (ground)	E	Mechanical failure
AR0050148	194 Winkler Rd. the Winkler Rd. Pump Station overflowed onto the ground.	Winkler Rd. P.S.	10/31/2016 0:00	300	SSO Affected Private Property (ground)	E	Mechanical failure
AR0050148	200 Winkler Rd the Winkler Pump Station overflowed onto private ground	Winkler Rd. P.S.	2/21/2016 0:00	1000	SSO Affected Private Property (ground)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

Total SSO's = 30

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0033880	400 East Grand Ave Manhole # 3116 overflowed into Storm Sewer	3116	12/28/2015 0:00	300	SSO Reached Public Land Only (ground)	RO	Roots in sewer main
AR0033880	126 FOXWOOD ST. HOT SPRINGS - #4 PUMP STATION MANHOLE #8001 - OVERFLOWED INTO DITCH.	Mazarn #4 P.S.	12/17/2015 0:00	10,000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	360 Fontana Rd. - Manhole # 1866 - overflowed into Hot Springs Creek	1866	11/6/2015 0:00	2000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	441 Leawood St. - Manhole # 4480 - overflowed into ditch	4480	10/12/2015 0:00	50	SSO Reached Public Land Only (ground)	D	Stopped up gravity main

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	100 Meacon Terrace Pressure Sewer Main Failure overflowed into Storm Drain	Fairwood P.S. Area	10/2/2015 0:00	150	SSO Reached Receiving Water (river, stream)	LF	Force main break
AR0033880	Lakeland Dr. & Lake Hamilton Dr. Hot Springs #2 Pump Station overflowed into Lake Hamilton	HS#2 P.S.	9/26/2015 0:00	1000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	421 Lakepark Dr. Carpenter Dam Pump Station Overflowed onto ground.	Lakeside P.S.	9/21/2015 0:00	300	SSO Affected Private Property (ground)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	This is a Revision of Volume of Gallons for the SSO at 2816 Albert Pike Rd. on August 20, 2015 a 20-inch Pressure Sewer Main blew apart while trying to make a repair to bell. The SSO overflowed into Lake Hamilton	Fairwood F.M.	8/20/2015 0:00	26,845	SSO Reached Receiving Water (river, stream)	LF	This is just a Revision for the Estimated Gallons of the SSO
AR0033880	Chadwood Pump Station on Chadwood Dr. Overflowed into Unknown Creek	Chadwood P.S.	8/30/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	176 Emerson Pt. - Emerson Point Pump Station - overflowed onto ground.	Emerson Pt. P.S.	8/25/2015 0:00	100	SSO Affected Private Property (ground)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	2816 Albert Pike Rd. a 20 Sewer Pressure main blew apart while trying to make a repair to bell. The SSO overflowed into Lake Hamilton.	Fairwood F.M.	8/20/2015 0:00	26,845	SSO Reached Receiving Water (river, stream)	LF	Revision to estimated gallons (previously noted as undetermined) was made on 9/1/2015. dg
AR0033880	579 Lake Hamilton Dr. Hot Springs - #2 Pump Station overflowed - to private property because of equipment failure	HS#2 P.S.	7/29/2015 0:00	2000	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	112 Marquette Place - MH #11465 overflowed to Ditch, the cover was broken by contractor clearing power line right of way.	11465	7/20/2015 0:00	2500	SSO Reached Receiving Water (river, stream)	CO	Damage caused by contractor

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	Foxwood St. & Burchwood Bay Rd. - Hot Springs #4 Pump Station - overflowed onto ground	HS#4 P.S.	6/21/2015 0:00	2000	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	112 Channelview St. - Pump Station (Brown Dr. P.S.) - overflowed into Lake Hamilton	Brown Dr. P.S.	5/25/2015 0:00	10000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	202 Mohawk St. Manhole #4677 overflowed into Unknown Creek	4677	4/23/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	D	Stopped up gravity main
AR0033880	525 Airport Road Hot Springs, AR 71913 (Airborne Air Ambulance)		4/20/2015 0:00	100	SSO Affected Private Property (ground)	Used Motor Oil	A non-permitted used oil storage vessel of 300 gallons total volume. Tank failure due to rust. Oil is contained on site with no entry to run off drains. No water contact. Clean up began at 12:00 PM by pumping oil to storage vessel. Soil remediation with.

**CAO NON-CAPACITY SSO REPORT 2015**

**REGIONAL PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0033880	314 West St. Louis St 4 - clean-out draining into storm sewer.		3/26/2015 0:00	15,000	SSO Reached Receiving Water (river, stream)	D	Gravity main stopped up
AR0033880	Carpenter Dam Rd. - manhole#5259 - into unknown stream.	5259	3/22/2015 0:00	450,000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	McLeod St. Manhole # 11274 overflowed into street	11274	2/23/2015 0:00	1000	SSO Reached Public Land Only (ground)	E	Mechanical failure
AR0033880	857 Carpenter Dam Road, at Lakeside Pump Station, ditch	Lakeside P.S.	1/30/2015 0:00	4,500 gallons	SSO Affected Private Property (ground)	E	Mechanical failure
AR0033880	Carpenter Dam Rd. Manhole # 5259 overflowed into unknown creek.	5259		500	SSO Reached Receiving Water (river, stream)	E	Mechanical failure
AR0033880	Carpenter Dam Rd. Manhole # 5259 overflowed into unknown creek	5259	1/8/2015 0:00	7,000	SSO Reached Receiving Water (river, stream)	E	Mechanical failure

**CAO NON-CAPACITY SSO REPORT 2015**

**SWWWTP PLANT**

<b>NPID</b>	<b>LOCATION</b>	<b>FACILITY/MANHOLE</b>	<b>SSO DATE</b>	<b>VOLUME</b>	<b>STREAM</b>	<b>FAILURE DESCRIPTION</b>	<b>RAINFALL/COMMENTS</b>
AR0050148	2460 Marion Anderson Rd. Manhole # 13484 overflowed into Lake Hamilton	13484	9/18/2015 0:00	1500	SSO Reached Receiving Water (river, stream)		
AR0050148	2006 Airport Rd. 70 - West Pump Station - overflowed onto ground.	70 W. P.S.	8/26/2015 0:00	2000	SSO Affected Private Property (ground)		
AR0050148	2222 Airport Rd. 70 West # 11 Pump Station overflowed into ditch.	70 W. #11 P.S.	8/24/2015 0:00	7500	SSO Affected Private Property (ground)		
AR0050148	1000 Block of Marion Anderson Rd. - 10 sewer pressure main broke - ran into a ditch that flowed into Lake Hamilton.	10	7/21/2015 0:00	5000	SSO Reached Receiving Water (river, stream)	LF	Line Failure

**CAO NON-CAPACITY SSO REPORT 2015**

**SWWWTP PLANT**

NPID	LOCATION	FACILITY/MANHOLE	SSO DATE	VOLUME	STREAM	FAILURE DESCRIPTION	RAINFALL/COMMENTS
AR0050148	1750 Marion Anderson Road - Manhole # 9289 - overflowed into Lake Hamilton	9289	3/4/2015 0:00	50000	SSO Reached Receiving Water (river, stream)		
AR0050148	365 Winkler Road, Hot Springs AR 71913. Overflow from sump behind WWTP building in grassy area next to building.	Winkler P.S.	2/13/2015 0:00	1800	SSO Reached Receiving Water (river, stream)	E	Water was from treated decant basin. There was a valve slightly open allowing excess water from discharge basin to bypass filter and leak to the return sump pump, that pump tripped out. Reset and pumped tank down. Got a crew out there and fixed faulty valve
AR0050148	2362 Marion Anderson Rd. - Sewer Pressure Main Break. - Overflowed into ditch. It was contained and pumped into our Pumper Truck.	Line Failure	1/31/2015 0:00	750	SSO Reached Public Land Only (ground)	LF	Line Failure

## CAO PROJECTS

**2009-2018**

<b>FIRM/CONTRACTOR</b>	<b>PROJECT</b>	<b>COST</b>	<b>SPENT TO DATE</b>	<b>STATUS</b>
Brown Engineers	Eng. Study	\$48,543.00	\$48,543.00	Complete
Brown Engineers	SCADA Master Plan	\$149,400.00	\$149,400.00	Complete
Brown Engineers	SCADA RTU Programming	\$196,700.00	\$196,700.00	Complete
Brown Engineers	West Mtn. SCADA Repeater	\$134,540.00	\$134,540.00	Complete
Brown Engineers	Grinder Station Alarm Design	\$170,967.58	\$169,257.90	Complete
All Service Electric	Grinder Station Monitoring	\$899,171.50	\$868,782.65	Complete
Brown Engineers	Grinder Lift Sta. Integration	\$335,000.00	\$335,000.00	Complete
Dell	Computer Equipment	\$14,867.41	\$14,867.41	Complete
Brown Engineers	Regional HMI Upgrades	\$178,102.00	\$181,617.48	Complete
CHS Procurement	WW Materials	\$16,254.81	\$16,254.81	Complete
Brown Engineers	SCADA / RTU	\$138,375.58	\$138,375.60	Complete
Koontz Electric	SCADA / RTU	\$932,777.00	\$857,248.74	Complete
Brown Engineers	Ignition Software/ SCADA Integration	\$616,025.00	\$609,864.75	Complete
Brown Engineers	Ignition/ HMI Interface Software	\$84,117.00	\$84,117.00	Complete
Brown Engineers	Generator Monitoring	\$144,750.00	\$144,026.00	Complete
Brown Engineers	Finance Generator	\$25,904.00	\$25,904.00	Complete
Brown Engineers	SCADA Support (ASC)	\$45,000.00	\$34,734.57	Complete
Brown Engineers	SCADA Support (ASC)	\$45,000.00	\$36,803.40	Complete
Brown Engineers	Regional Generator Design	\$9,910.00	\$12,408.30	Complete
Garver, LLC	Pump Station Study	\$1,202,754.00	\$1,202,668.13	Complete
H&H Electric	Pump Sta. Project 10A	\$1,024,104.40	\$1,024,104.40	Complete
On-Line Const.	Pump Sta. Project 10B	\$322,594.76	\$320,118.78	Complete
VEI General Cont.	Hogan/Lakeside Pump Station	\$612,013.00	\$615,183.08	Complete
Entergy	Hogan/Lakeside Pump Station	\$8,276.48	\$8,276.48	Complete
H&H Electric	Gulpha Pump Station	\$1,153,412.00	\$1,153,412.00	Complete

**CAO PROJECTS  
2009-2018**

<b>FIRM/CONTRACTOR</b>	<b>PROJECT</b>	<b>COST</b>	<b>SPENT TO DATE</b>	<b>STATUS</b>
Garver, LLC	Pump Station Study	\$1,090,000.00	\$1,056,885.70	Complete
City Crews	Line Rehab	\$243,000.00	\$243,000.00	Complete
Heller Co./City	Molly Creek Pump Station	\$363,000.00	\$363,000.00	Complete
Heller Co./City	Tom Ellsworth Main Replacement	\$226,765.00	\$226,765.00	Complete
Cobar Construction	Utility Rehab	\$222,342.26	\$222,342.26	Complete
RJN Group	Wastewater Coll. System Survey Phase I	\$412,305.00	\$412,302.35	Complete
RJN Group	Wastewater Coll. System Survey Phase II	\$350,000.00	\$350,000.00	Complete
RJN Group	SSES	\$3,369,913.00	\$3,364,206.74	Complete
RJN Group	Wastewater Coll. System Survey Phase IV, V & VI	\$629,505.00	\$613,160.00	Complete
RJN Group	Post Rehab Flow Monitoring	\$73,480.00	\$71,924.87	Complete
RJN Group	Stokes Creek Force Main Design	\$996,880.00	\$982,155.39	Complete
Urettek/City	Manhole Rehab	\$149,000.00	\$149,000.00	Complete
City Crews		\$33,000.00	\$33,000.00	Complete
Urettek/City	Manhole Rehab	\$650,000.00	\$607,526.30	Complete
Ark Midland RR	Fairwood Easement(s)	\$152,000.00	\$152,000.00	Complete
Coakley Co.	Fairwood Force Main Phase 1	\$1,877,257.98	\$1,784,906.76	Complete
Engineers, Inc.	Fairwood Design	\$21,800.00	\$21,800.00	Complete
Kim Construction	Manhole Rehab Phase 1 & II	\$3,410,523.00	\$3,410,523.00	Complete
Heller Co.	Pipeline Rehab Phase 1	\$1,439,184.10	\$1,726,414.14	Complete
Heller, Co.	Troup St. Main Replacement	\$15,000.00	\$15,000.00	Complete
Garver, LLC	Construction Inspection	\$276,900.00	\$201,557.11	Complete
Engineers, Inc.	Pond St Main Replacement	\$52,000.00	\$56,700.00	Complete
Kraus Const. Co.	Fairwood Pump Station	\$2,775,600.00	\$2,836,695.00	Complete

**CAO PROJECTS  
2009-2018**

<b>FIRM/CONTRACTOR</b>	<b>PROJECT</b>	<b>COST</b>	<b>SPENT TO DATE</b>	<b>STATUS</b>
On- Line	Fairwood Pond St. Main Replacement	\$1,214,652.05	\$1,231,000.21	Complete
On- Line	Pond St Gravity Main Repairs	\$27,582.35	\$27,582.35	Complete
On- Line	Fairwood Pump Sta. Force Main	\$730,387.00	\$816,531.00	Complete
Kimzey Water Dist.	SWWWTP Water Supply	\$58,620.00	\$58,620.00	Complete
Fournier	SWWWTP Sludge Equipment	\$375,236.00	\$366,605.57	Complete
CDM	SWWWTP Sludge Project	\$164,810.00	\$150,119.00	90% Design Review
Plastic Fusion Inc	EQ Pond Liner Repair	\$54,930.00	\$54,930.00	Complete

**CAO PROJECTS  
2009-2018**

<b>FIRM/CONTRACTOR</b>	<b>PROJECT</b>	<b>COST</b>	<b>SPENT TO DATE</b>	<b>STATUS</b>
Brown Engineers	Gen. Monitoring Services	\$154,698.00	\$154,698.00	Complete
All Service Electric	Finance Gen.	\$105,900.40	\$105,900.40	Complete
Entergy - Finance Gen.	Finance Gen.	\$4,726.38	\$4,726.38	Complete
B&F Engineers	12" Forcemain Relo - Allen Tillery	\$21,000.00	\$3,352.50	Complete
Garver	WW Pump Station Eval, Design & Construction Ph II	\$588,164.61	\$752,403.76	Complete
Quast Appraisals	Fairwood 3	\$4,205.00	\$4,205.00	Complete
Jeff and Michelle Bratton	210 Kimery	\$70,000.00	\$70,000.00	Complete
Betty Tompkins Easement	Stokes Creek PS	\$350.00	\$350.00	Complete
Darin Meyers	Stokes Easement	\$60.00	\$60.00	Complete
CLB Engineers	SWWWTP Tertiary Filter	\$49,500.00	\$48,400.00	Complete
Dept of Finance and Admin	Stokes FM	\$231.00	\$231.00	Complete
ADH	Stokes Review and advertising	\$1,000.00	\$1,000.00	Complete
ADH	Davidson Dr Headworks	\$500.00	\$500.00	Complete
ADH	UV Review Fee	\$500.00	\$500.00	Complete
Engineers, Inc	Hogan Force Main	\$69,000.00	\$69,000.00	Complete
Boyles Construction	Hogan Force Main	\$564,418.00	\$564,418.00	Complete
EPS	SWWWTP Tertiary Filter	\$282,458.72	\$282,458.72	Complete
T.G. Excavating	Manhole Rehab Phase III & IV	\$2,181,111.00	\$2,024,580.50	Complete
S&J Construction	Stokes Collection System	\$6,145,897.45	\$5,854,897.55	Complete
Engineers, Inc	Fairwood Ph II	\$24,000.00	\$24,000.00	Complete
Engineers, Inc	Fairwood Force Main Phase III	\$24,000.00	\$24,000.00	Complete
Coakley Co.	Fairwood Force Main Phase III	\$2,139,000.00	\$1,986,945.65	Complete
HS Country Club	Fairwood 3 Easement	\$1,240.00	\$1,240.00	Complete

**CAO PROJECTS  
2009-2018**

FIRM/CONTRACTOR	PROJECT	COST	SPENT TO DATE	STATUS
Klasswitz LLC	Fairwood easement	\$237.00	\$237.00	Complete
Nephra LLLP	Fairwood Easement	\$429.00	\$429.00	Complete
Billings/Easements Meyers	Fairwood Easement	\$15.00	\$15.00	Complete
Billings/ Easements/Nephra	Fairwood easement	\$95.00	\$95.00	Complete
Marty Coco	Fairwood IV Easement	\$1,000.00	\$1,000.00	Complete
Wolf Painting	Stokes PS Paint	\$925.00	\$925.00	Complete
Ar Glass	Stokes PS Door	\$1,282.00	\$1,282.00	Complete
J.S. Haren	Stokes Pump Station	\$2,374,106.35	\$2,681,164.64	Complete
RJN	Tertiary Design	\$365,400.00		In Progress
RJN	Regional Plant Grit Chamber Design	\$28,960.00	\$22,169.72	Complete
Brown Engineers	HMI Integration - Headworks	\$113,081.00	\$113,081.00	Complete
Brown Engineers	Regional WWTP Ignition HMI Computer-SCADA	\$27,119.00	\$24,407.10	Complete
RJN	Grit Chamber & UV Disinfection	\$8,900,000.00	\$8,768,661.70	Complete
RJN	Eval Hydraulic Capacity Davidson WWTP	\$38,690.00	\$38,666.21	Complete
RJN	Post Rehab Flow Monitoring	\$365,230.00	\$298,900.00	Complete
RJN	2014 WW Const. Mgmt.	\$253,301.95	\$253,301.95	Complete
RJN	Pipeline Improvements @ Stokes Creek PS Ph1	\$440,738.32	\$440,575.30	Complete
RJN	Davidson Dr Headworks	\$593,617.00	\$192,599.33	Complete
RJN	Manhole Rehab & Collection System Imp	\$256,996.00	\$256,996.00	Complete
Engineers Inc	Fairwood Force Main Phase IV	\$40,000.00	\$40,000.00	Complete
Engineers Inc	Engineering Professional Services	\$4,800.00	\$2,400.00	Complete
Diamond Const.	Fairwood Force Main Phase IV	\$5,200,000.00	\$5,460,596.15	Complete
Peterson Concrete	Vault for Fairwood IV	\$1,897.32	\$1,897.32	Complete
HS Title	Fairwood IV	\$50.00	\$50.00	Complete

**CAO PROJECTS  
2009-2018**

<b>FIRM/CONTRACTOR</b>	<b>PROJECT</b>	<b>COST</b>	<b>SPENT TO DATE</b>	<b>STATUS</b>
Garland Co Circuit Clerk	Fairwood Easement Search	\$15.00	\$15.00	Complete
Seiz Sign	Project Signage	\$76.65	\$76.65	Complete
Coakley Co.	Stokes Force Main	\$3,900,000.00	\$3,780,716.26	Complete
RJN	Construction Inspection	\$510,297.95	\$371,846.27	Complete
Brown Engineers	Regional HMI Phase I	\$264,392.00	\$272,945.77	Complete
IPR South Central, LLC	Rehab Fairwood Main	\$666,800.00	\$491,550.20	Complete
EcoVerde, LLC	Odor Control System	\$53,542.00	\$53,542.00	Complete
EcoVerde LLC	Odor Control System	\$106,600.00	\$106,600.00	Complete
Garland Co. Court	Fairwood IV Easement	\$50.00	\$50.00	Complete
RJN	UV Disinfection System for Regional	\$273,608.00	\$236,297.36	Complete
CTS Services	Grit Chamber Cleaning	\$60,000.00	\$58,041.61	Complete
Jack Tyler Engineering	Godwin Pumps (HS #1 thru #4)	\$236,000.00	\$256,945.00	Complete
Seven Valleys Contracting	Godwin Pumps (HS #1 thru #4)	\$392,000.00	\$403,190.60	Complete
Jack Tyler Engineering	Stokes Godwin Pump	\$481,690.50	\$481,690.50	Complete
Jack Tyler Engineering	Fairwood Godwin Rebuild	\$23,659.80	\$7,526.25	Complete
Hanson	Stokes Godwin Pump	\$42,000.00	\$42,000.00	Complete
Coakley Co.	2017 Collection Systems Improvement	\$661,980.00	\$678,573.74	Complete
T.G. Excavating	Pipeline Rehab Phase II	\$1,464,444.00	\$1,443,847.00	Complete
RJN Group	Construction Inspection	\$341,000.00	\$375,087.37	Complete
RJN Group	Pipeline Rehab Phase II	\$29,094.00	\$27,997.04	Complete
RJN	Davidson Dr Tertiary Filter	\$45,486.00	\$42,226.82	Complete
RJN	2018 Post Rehab Flow Monitoring	\$49,688.00	\$48,456.00	Complete
Jenkins/Cranford/United	TV Hill Paving	\$164,443.37	\$108,836.54	Complete
Hendry Oil Co	TV Hill Paving	\$117.97	\$117.97	Complete

**CAO PROJECTS  
2009-2018**

FIRM/CONTRACTOR	PROJECT	COST	SPENT TO DATE	STATUS
Coakley Co./HD Supply/Miller Pipeline	Fairwood FM Repairs	\$76,110.54	\$76,110.54	Complete
Ferguson	Fairwood 20" Vlv	\$11,826.00	\$11,826.00	Complete
Coakley Co	R&R 20" Vlv for Fairwood FM	\$13,445.71	\$13,445.71	Complete
Coakley Co	20" Ck Vlv @ Fairwood	\$20,000.00	\$14,499.75	Complete
Coakley Co	Fairwood repair	\$691.20	\$691.20	Complete
Consolidated Supply	20" Vlv for Fairwood	\$14,521.75	\$14,521.75	Complete
Cranford Const	McLeod Paving	\$17,739.20	\$17,739.20	Complete
Fox Pass Development	TV Hill Paving	\$1,028.64	\$1,028.64	Complete
Redstone	McLeod Paving	\$4,000.00	\$4,000.00	Complete
United Rentals	TV Hill Paving	\$2,202.98	\$2,202.98	Complete
Entergy/Ctr. Pt.	Stokes PS Utilities	\$17,534.80	\$17,534.80	Complete
Garver	Const. Mgmt. Stokes P.S.	\$210,000.00	\$223,724.19	Complete
RJN Group	Construction Inspection	\$229,492.00	\$165,616.35	Complete
	Totals	\$71,789,740.82	\$69,930,064.60	