



P. O. Box 17898
North Little Rock, AR
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North Little Rock Wastewater Utility

2015 Annual Report

Consent Administrative

Order LIS 10-218



North Little Rock Wastewater Utility 2015 Annual Report

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North Little Rock Wastewater Utility

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Consent Administrative Order LIS 10-218

Attn: Allen Anderson, Enforcement Analyst
Water Enforcement Division
Arkansas Department of Environmental Quality

In accordance with the requirements of Consent Administrative Order LIS 10-218 (CAO), Order and Agreement, Paragraph 3, Reporting, the fifth Annual Report is due February 1, 2015.

1. Wastewater Master Plan

A. Milestone Schedule

<u>Date</u>	<u>Milestone</u>
• Feb. 1, 2011	First Annual Report due
• Feb. 10, 2011	Effective date of Order
• Mar 10, 2011	Cross Connection Certification due
• Mar. 10, 2011	First Penalty Payment due (\$4,375.00)
• Apr. 25, 2011 – Feb. 25, 2013	Monthly Penalty Payment due (\$4,375.00/Mo.)
• Feb. 1, 2012 – Feb. 1, 2021 Or until closure of this CAO	Annual Report due

B. Capital Improvements Plan (CIP)

The following is a listing of projects scheduled to be completed as part of the Capital Improvements Plan recommendations from the 2011 Master Plan and progress made to date.

i. Faulkner Lake Phase III STP Modifications

This project consists of modifications to the influent pump station, addition of a primary clarifier, addition of a gravity thickener, addition of a parshall flume, removal of the existing grit chamber, and miscellaneous piping, structural, and hydraulic modifications.

This project is funded by RLF No. 00594-CWRLF-L. Crist Engineers, Inc. is the design engineer.

In an effort to expedite the completion of modifications to the influent pump station, the pump station was separated from the larger project.

The two projects are:

a. Modifications to the Influent Pump Station

Contractor: J. S. Haren Company of Athens, TN
Contract Amount: \$2,106,883.34
Project Status: 100% Complete (05/18/14)

b. Faulkner Lake Phase III STP Modifications

Contractor: BRB Contractors, Inc. of Topeka, KS
Contract Amount: \$3,554,543.49
Project Status: 81% Complete (01/03/15)

ii. Miscellaneous Cured-In-Place Pipe (CIPP) Liner Project

a. CIPP Project 2012 (Lakewood and Ward 2)

This project consists of CIPP rehabilitation of existing pipelines identified from staff investigations in the Lakewood Lake No. 2 basin, Roseclair Drive, Rhodes Street, and part of the Rose City Interceptor.

Contractor: Insituform Technologies

Contract Amount: \$393,900.00

Project Status: 100% Complete (08/31/12)

<u>Quantity (LF)</u>	<u>Size</u>	<u>% Complete</u>
2,773	6"	100
4,675	8"	100
582	10"	100
<u>2,180</u>	24"	100
10,210		

Design, bidding and construction observation services were provided using in-house resources.

b. CIPP Project 2013 (Levy, Lakewood, and Ward 2)

This project includes cured-in-place pipe (CIPP) rehabilitation of existing pipelines in the Levy, Lakewood, NLR Academy, Campbell Road, Rose City Interceptor, Glenview, and Fort Roots areas based on recommendations from staff for pipelines beneath the water table and from the 2012 SSSES.

Engineering services during construction will be provided by Michael Clayton, PE.

Contractor: PM Construction & Rehabilitation of Houston, TX

Contract Amount: \$2,355,644.00

Project Status: 43% Complete

<u>Quantity (LF)</u>	<u>Size</u>	<u>Complete (LF)</u>
24,701	6"	948
16,037	8"	13,395
4,310	10"	3,468
8,320	12"	5,829
9,402	15"	8,252
3,131	24"	1,950
<u>122</u>	30"	<u>122</u>
66,023		33,964

c. CIPP Project 2014 (Lakewood and Ward 2)

Staff are preparing contract documents for cured-in-place pipelining based on recommendations from the 2013 SSES.

<u>Quantity (LF)</u>	<u>Size</u>	<u>Complete (LF)</u>
17,008	6"	0
14,280	8"	0
4,762	10"	0
2,794	12"	0
392	18"	0
2,531	21"	0
1,839	30"	0
<u>6,334</u>	36"	<u>0</u>
49,940		0

d. Pipe Bursting Project 2014 (Lakewood)

Staff are preparing contract documents for pipe bursting of pipeline segments identified by the 2013 SSES. Construction is projected to begin in the second half of 2015.

<u>Quantity (LF)</u>	<u>Size</u>	<u>% Complete</u>
12,745	6"	0
<u>4,920</u>	8"	<u>0</u>
17,665		0

e. CIPP Project 2015 (Baring Cross and Oakbrook)

Staff are preparing contract documents for cured-in-place (CIPP) rehabilitation of segments identified by the 2014 SSES. Construction is projected to begin in the second half of 2015.

f. Pipe Bursting Project 2015 (Baring Cross and Oakbrook)

Staff are preparing contract documents for pipe bursting of pipeline segments identified by the 2014 SSES. Construction is projected to begin in the second half of 2015.

iii. Shillcutt Pump Station Modifications

Modifications to the Shillcutt P.S will include: installation of a new wetwell; new pumps with variable frequency drives; modifications to the existing bar screens; auxiliary power supply; modifications to the discharge piping and valves; and miscellaneous structural, piping, electrical, and site work items.

In-house resources will conduct periodic inspections during construction in addition to engineering services by Crist Engineers, Inc.

Contractor: Max Foote Construction, Inc. of Birmingham, AL
Contract Amount: \$5,166,843.13
Project Status: 100% Complete (10/23/14)

iv. Five Mile Creek Wastewater Treatment Plant Improvements 2013

This project consists of replacement of the bar screen, conveyor, a new parshall flume, modifications to the influent pump station, miscellaneous hydraulic structures and provisions for future flow equalization and the possible addition of flow from the Sherwood South WWTP. The project will also include the addition of auxiliary power generation for influent and effluent pumping during power failures.

Marlar Engineering Co., Inc. is the design engineer.

Contractor: Crossland Heavy Contractors of Columbus, KS
Contract Amount: \$5,343,313.00.
Project Status: 100% Complete (07/14/14)

v. Auxiliary Generators for Pump Stations and Treatment Plants

a. 2013 Auxiliary Generators and Transfer Switches

This project consists of installation of auxiliary generators and transfer switches at the following facilities:

Wilcox Pump Station
Frontier-Morgan Pump Station
Hwy. 365-Sherman Rd. Pump Station
Hill Lake Pump Station
Maybelline Pump Station
Stone Links (Quapaw) Pump Station
Hwy. 107 Pump Station
Counts Massie Pump Station
Rixie-Trammel Road Pump Station

In-house resources were utilized for design, bidding, and engineering services during construction.

Contractor: Nease Electrical, Inc. of Hot Springs, AR

Contract Amount: \$392,922.00

Project Status: 100% Complete (07/23/14)

b. Proposed 2014 Auxiliary Generators and Transfer Switches

This project consists of installation of auxiliary generators and transfer switches at the following facilities:

Faulkner Lake Admin Bldg.
Faulkner Lake Laboratory
Delta Lawn Pump Station
Maryland East Pump Station
Collins Industrial Park
Rixie – Hwy 161 Pump Station
Rixie – Lucky Drive
Cypress Crossing Pump Station

In-house resources were utilized for design, bidding, and engineering services during construction.

Contractor: Lock-Wood Electric, Inc.

Contract Amount: \$191,995.00

Project Status: 90% Complete (12/31/14)

vi. Oakbrook/Manor Drive Pump Station Upgrade

This project was originally proposed to consist of a new submersible-type pump station with auxiliary power supply to replace the existing suction-lift type station.

Design delays due to difficulties in acquiring property, access easements and temporary construction easements have resulted in staff re-evaluating the approach to eliminating overflows in this sub-basin. The SSES fieldwork was completed in conjunction with 2014 SSES and staff rebuilt both pumps in the pump station during the fourth quarter of 2014. Collection system rehabilitation will be included in the 2015 CIPP Project and the 2015 Pipe Bursting Project based on recommendations from the 2014 SSES report. Point repairs and manhole rehabilitation recommended in the 2014 SSES report will be completed with in-house resources during the calendar year 2015.

vii. Maintenance and Emergency Equipment Storage Facilities

This project includes the addition of metal buildings to house maintenance and emergency response equipment and will provide crews with designated equipment storage areas to minimize preparation time for routine job orders and emergency responses.

This project also includes a vehicle wash bay, grading and drainage improvements.

Contractor: CWR Construction of North Little Rock, AR
Contract Amount: \$616,227.32
Project Status: 100% Complete (09/12/2014)

viii. Miscellaneous Gravity Collection Improvements

The Capital Improvements Plan included a line item for miscellaneous gravity system improvements. These are projects identified during the flow monitoring and hydraulic modeling phases of the Masterplan. Staff identified the projects with the highest priority as follows:

a. Sediment Removal (FL-P1-SR)

Projected cost of construction is \$290,000 and the projected cost of professional services is \$43,500.

b. Cedar Street Sewer Improvements

Design and timing for this project is dependent on final stabilization of the landslide.

Projected cost of construction is \$220,000 and the projected cost of professional services is \$33,000.

c. Gravity Pipe Replacement (FL-GSO2)

This project is the downstream extension of the Lakewood Lake No. 2 project.

Projected cost of construction is \$1,300,000, and the projected cost of professional services is \$195,000.

d. Gravity Pipe Replacement (FL-GSO3)

This project consists of gravity collection improvements along the south side of Lakewood Lake No. 1.

Projected cost of construction is \$1,100,000, and the projected cost of professional services is \$165,000.

C. Sewer System Evaluation Survey (SSES)

The following is an update on SSESs completed, in progress, or scheduled for the upcoming year:

Based on recommendations in the 2011 Master plan, priorities for SSES fieldwork for the three (3) year period 2012-2014 are: Levy (2012), Lakewood (2013), and Baring Cross (2014).

i. 2012 SSES (Levy Area)

In 2012, the Utility contracted with rjngroup, inc. to conduct SSES fieldwork. Following is a summary of SSES fieldwork conducted in the Levy area during the calendar year 2012:

<u>Activity</u>	<u>Quantity</u>	<u>Results</u>	<u>Quantity I/I (mgd)</u>
Smoke Testing	205,569 LF	256	0.539
Manhole Inspections	571 EA	633	0.354
Dye Testing	50 EA	42	1.567
TV Investigations	276,870 LF*		Not Quantified
*System Wide			

ii. 2013 SSES (Lakewood Area)

Following is a summary of SSES fieldwork conducted in the Lakewood area during the calendar year 2013:

<u>Activity</u>	<u>Quantity</u>	<u>Defects</u>	<u>Quantity I/I (mgd)</u>
Smoke Testing	308,152 LF	945	0.625
Manhole Inspections	641 EA	566	0.351
Dye Testing	64 EA	49	0.843
TV Investigations	229,503 LF*		Not Quantified
*System Wide			

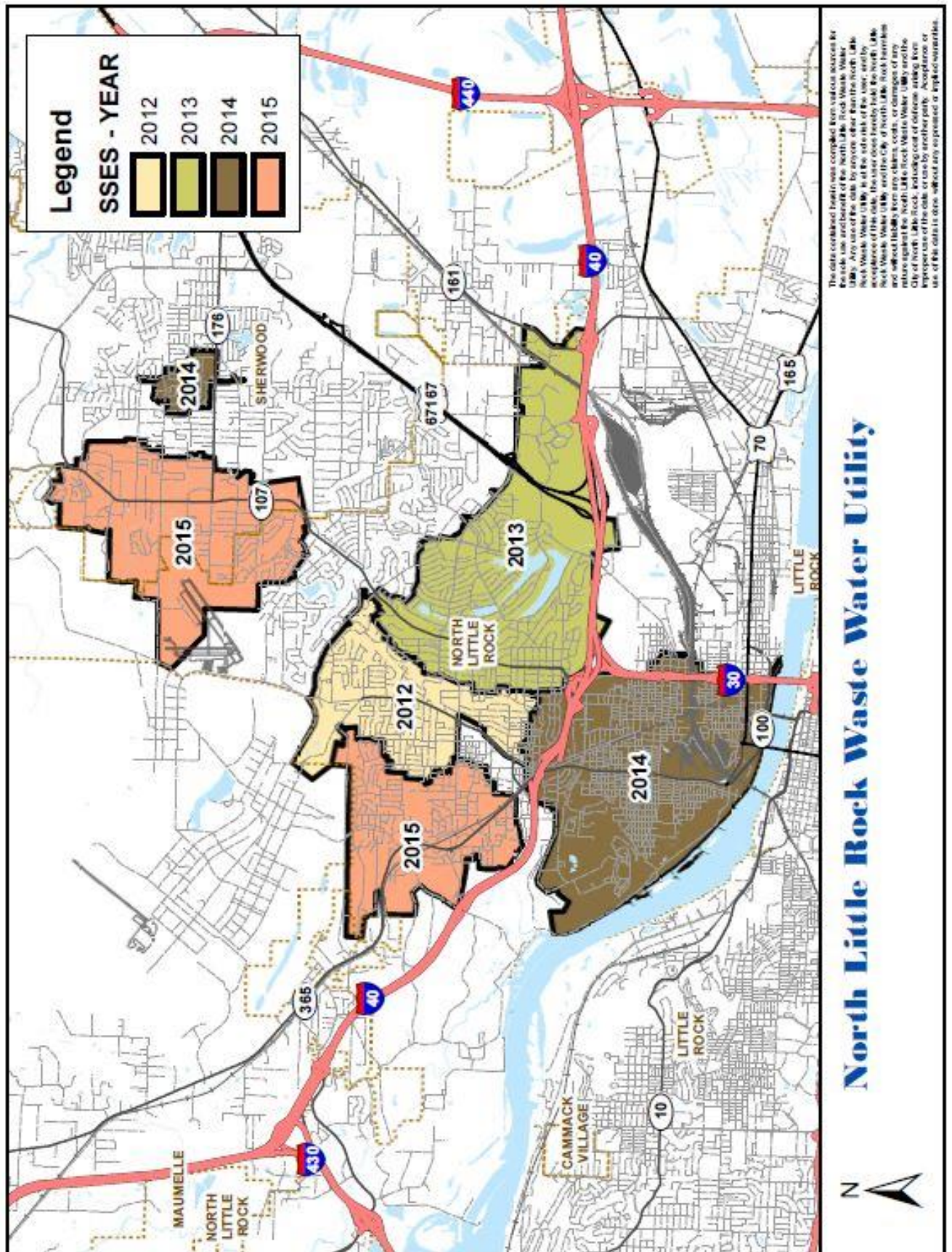
iii. 2014 SSES (Baring Cross and Oakbrook SID)

Following is a summary of SSES fieldwork conducted in the Baring Cross SID during the calendar year 2014:

<u>Activity</u>	<u>Quantity</u>	<u>Defects</u>	<u>Quantity I/I (mgd)</u>
Smoke Testing	312,256 LF	1,202	2.410
Manhole Inspections	1,488 EA	1,458	0.814
Dye Testing	80 EA	69	2.418
TV Investigations	103,097 LF*		Not Quantified
*System Wide			

Following is a summary of SSES fieldwork conducted in the Oakbrook SID during the calendar year 2014:

<u>Activity</u>	<u>Quantity</u>	<u>Defects</u>	<u>Quantity I/I (mgd)</u>
Smoke Testing	28,640 LF	36	0.014
Manhole Inspections	148 EA	57	0.032
Dye Testing	1 EA	1	0.002
TV Investigations	2,600 LF*		Not Quantified
*System Wide			

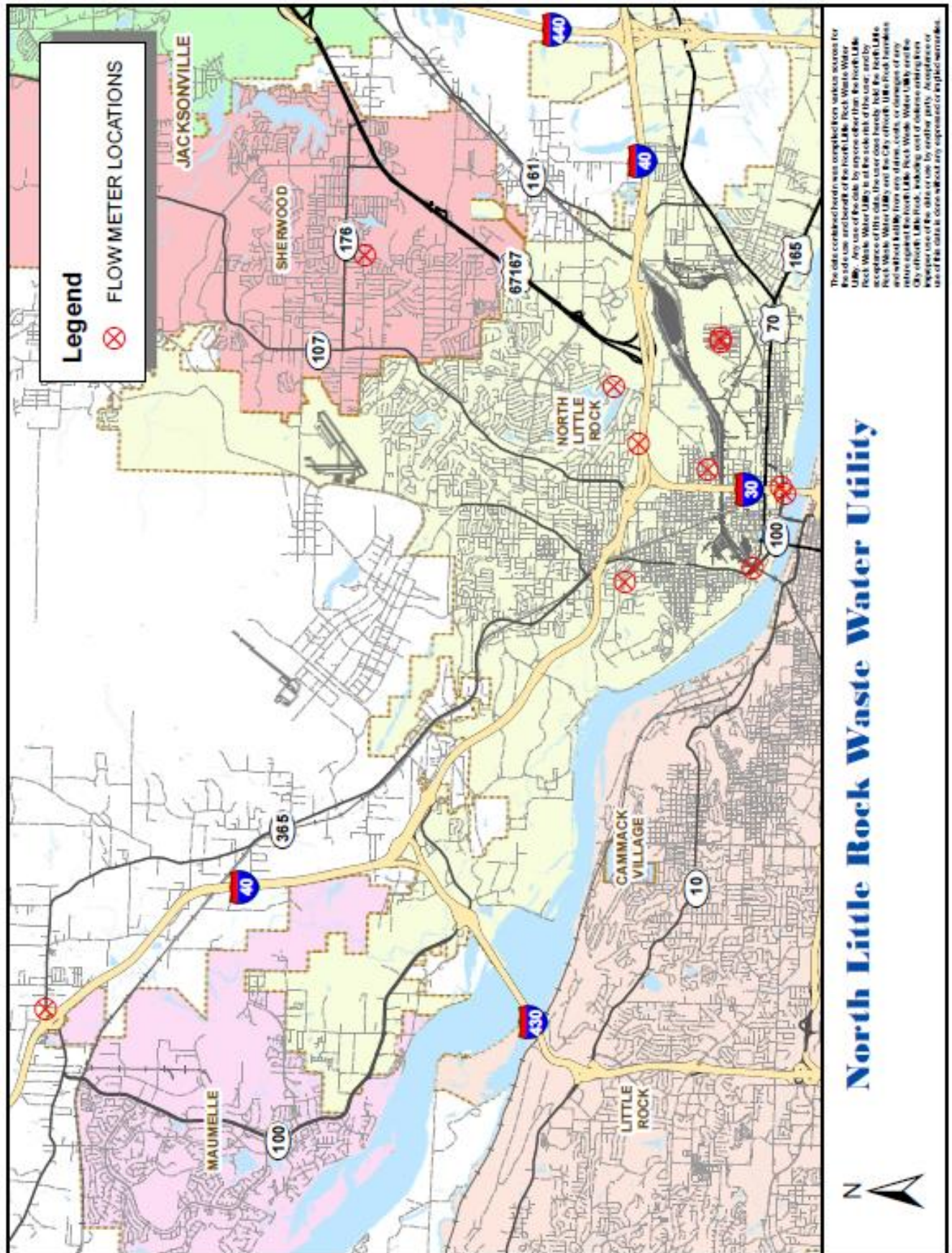


D. SSES, Pumping Station, Capacity Assessment, and Hydraulic Model Evaluation Report

The Master plan 2011 included a “Capacity, Management, Operations, and Maintenance Self-Assessment Report”, “Flow Monitoring “, and “Hydraulic Model” of the North Little Rock Wastewater Utility’s facilities. This information, along with staff input, was used to develop the capital improvements plan.

The Utility’s geographical information system has been utilized to subdivide the collection system into sub-basins or “sewersheds” of manageable size. SSO data for non-capacity related overflows is being used to focus the Utility’s cleaning efforts to the sewersheds with the highest number of non-capacity related overflows.

The following map (Flow Meter Locations) documents the efforts to collect flow data prior to and after completion of rehabilitation projects.



E. Collection System and Wastewater Treatment Plant Remedial Measures Plan

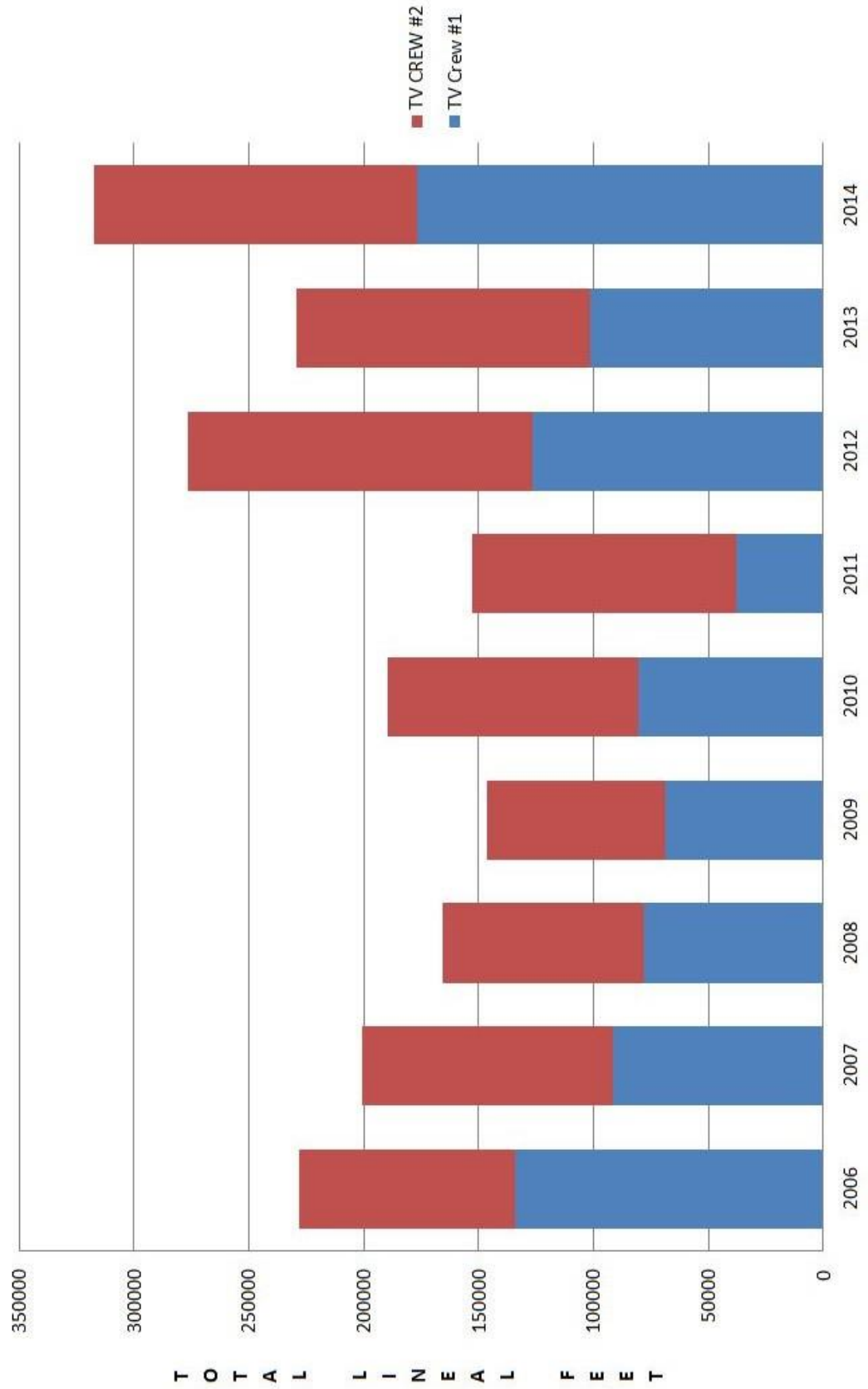
The following is an update of progress on specific collection system and WWTP Remedial Measures:

The remedial measures plan generally consists of measures involving existing equipment, personnel and practices which can be modified to reduce the occurrence of SSOs.

- i. Increase production of TV and cleaning crews
 - a. The following graph (TV Crew Production 2006 – 2014) and map (Lines Televised Calendar Year 2014) document the efforts to increase production of the TV crews in targeted areas.

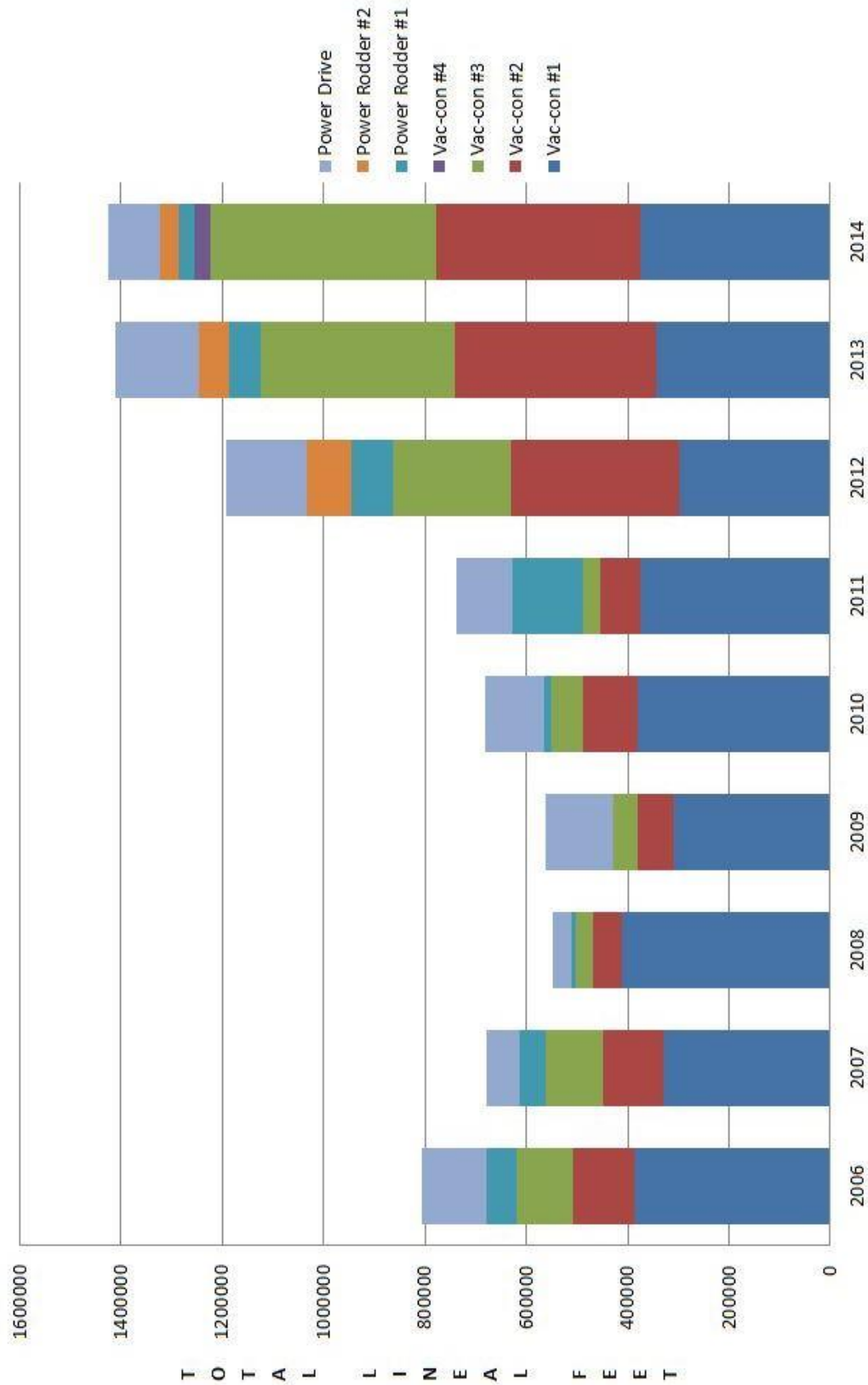
New Cues TV equipment (van, camera, transporter, software, etc.) costing \$200,950 was purchased for TV Crew No. 2, and all of the existing Pierpoint TV equipment was assigned to TV Crew No. 1. In addition, the utility reorganized combining its TV crews with the Maintenance & Repair Department to form the Collection System Department. This streamlined the coordination between cleaning equipment and TV equipment and provided cross-training efficiencies between TV and cleaning crews. The goal of this reorganization was to increase productivity of the TV crews and Vac-Con crews.

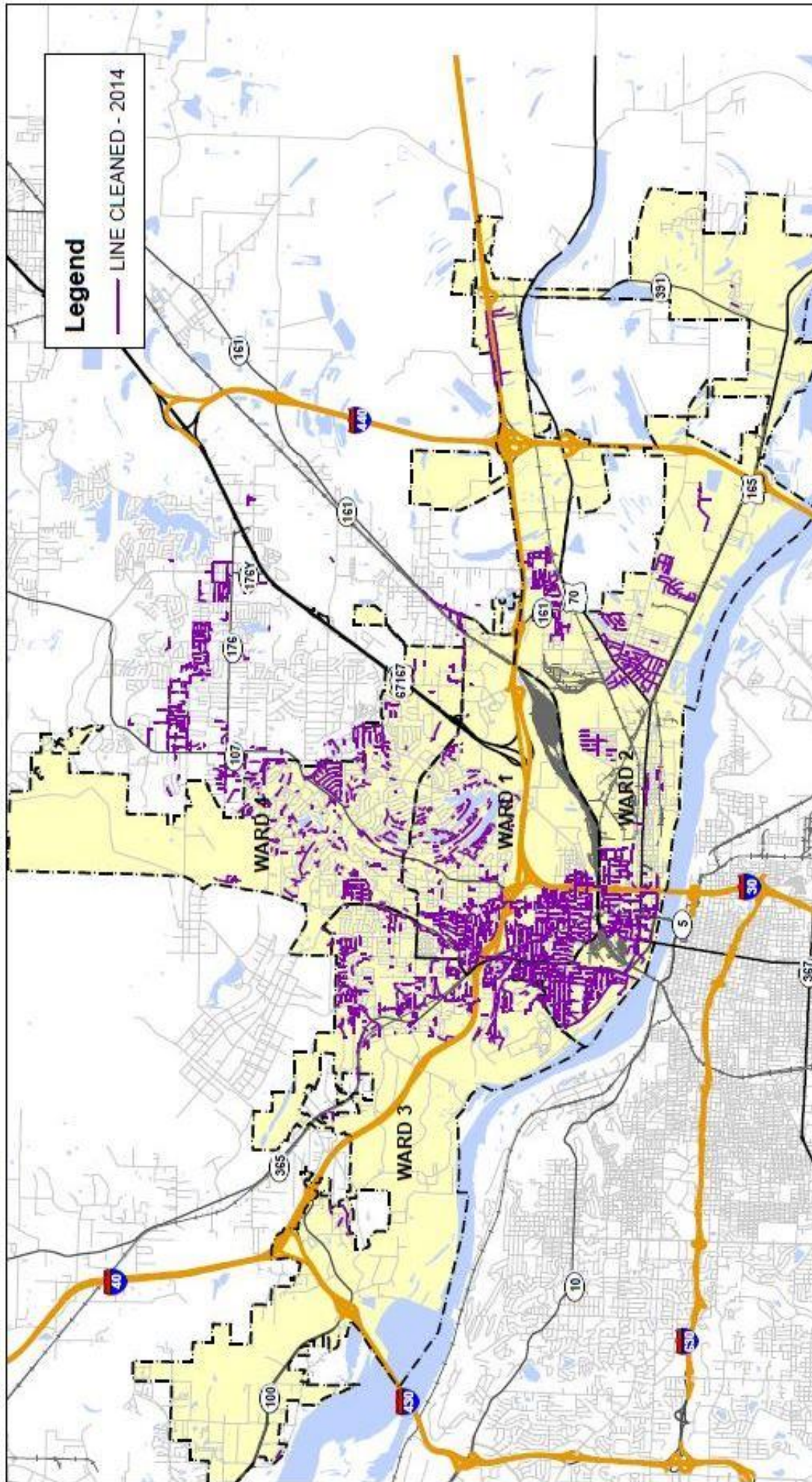
North Little Rock Waste Water Utility TV Crews Production 2006 - 2014



- b. The following graph (All Cleaning Crews Production 2006 – 2014) and map (Lines Cleaned Calendar Year 2014) document the efforts to increase production of the cleaning crews in targeted areas.

North Little Rock Waste Water Utility All Cleaning Crews Production 2006 - 2014





North Little Rock Waste Water Utility

The data contained herein was compiled from various sources for the sole use and benefit of the North Little Rock Waste Water Utility. No warranty is made by the City of North Little Rock as to the accuracy or completeness of the data. The City of North Little Rock disclaims any liability for any damages, including consequential damages, arising from the use of this data. The City of North Little Rock disclaims any liability for any damages, including consequential damages, arising from the use of this data. The City of North Little Rock disclaims any liability for any damages, including consequential damages, arising from the use of this data.



- ii. Increase production by adding additional crews or personnel
 - a. A Power Rodder crew and equipment was added in 2012 to increase cleaning totals. The power rodder provides mechanical cleaning for hilly areas which are problematic for the Vac-Con cleaning equipment.

Power Rodder Crew #2 cleaned 39,098 LF of pipeline in 2014. In addition, this crew filled in to help temporarily form a second Power Drive Crew to reach lines inaccessible to mechanical cleaning equipment.
 - b. In 2013, a two (2) man walking crew was added to provide GPS location of manholes ahead of all cleaning crews. Manholes not identified on existing maps can slow the progress of a cleaning crew. The purpose of the walking crew will be to locate manholes ahead of the cleaning crews, thus allowing the cleaning crews to continue work in other areas without stopping to search for lost manholes.
 - c. Flagman

The North Little Rock Traffic Service Department requires preparation of a barricade plan for each crew working on a “busy” roadway. This includes the cleaning and TV crews which were previously excluded. The Utility surveyor standardized the preparation of barricade plans to streamline this process.

- iii. Provide emergency pumping connections at pump stations.

Following the ice storms in December 2000, the Utility implemented a program to provide emergency pumping connections at all the pump stations. The connections allow a trailer mounted, suction lift pump to draw water from the wetwell and pump directly into the force main, thus by-passing the permanent pumping equipment during emergency situations such as power and equipment failures.

Since December 2000, emergency pumping connections have been installed on thirty-three (33) pump stations, and emergency pumping connections are required on all new pump stations where feasible.

The following “Pump Station Emergency Response Connections” sheets identify pump stations with emergency pumping connections.

NORTH LITTLE ROCK WASTE WATER UTILITY **PUMP STATION EMERGENCY RESPONSE CONNECTIONS**

2015

PUMP STATION N #	PUMP STATION NAME	LOCATION	PUMP CONNECTION	TRANSFER SWITCH	GENERATOR	VOLTS
402	BRIDGEWAY HOSPITAL #2	BEHIND BRIDGEWAY HOSPITAL	Y	N	N	230 1Ø
403	CLAYTON CHAPEL	8910 LANDERS ROAD	Y	N	N	240 3Ø
405	DELTA LAWN	INTERSECTION OF CAMPBELL & LYNCH	Y	AUTO	Y	240 3Ø
406	DIXIE	920 F STREET (10TH & G)	Y	N	N ^{PS}	240 3Ø
407	HWY 107	10617 HWY 107	Y	AUTO	Y	240 3Ø
408	LANSBROOK	2312 HOLT ROAD (EAST BETHANY & HOLT)	Y	Manual	N	240 3Ø
409	MARYLAND EAST	1500 EAST MARYLAND	Y	AUTO	Y	240 3Ø
410	MARYLAND PLACE	S. SIDE OF E. MARYLAND; 400 YRDS FROM MARYLAND E. PS.	Y	N	N	240 1Ø
413	COCK-OF-THE-WALK (#2)	SOUTHEAST SIDE OF COCK-OF-THE-WALK RESTAURANT	Y	N	N	480 3Ø
414	MAYBELLINE	AT THE END OF MAYBELLINE ROAD	Y	AUTO	Y	480 3Ø
415	MCALMONT	AT THE EAST END OF WEST 44TH	Y	N	N	240 3Ø
416	MID-STATE	HWY 161 & PROTHO, NORTH SIDE OF MID-STATE TRUCK STOP	Y	N	N	240 3Ø
417	OAKBROOK	1412 MANOR DRIVE	Y	N	N ^{PS}	480 3Ø
418	PINE TREE	4 PINE TREE POINT	N	N	N	240 1Ø
419	SHILLCUT	14 BAYOAKS DRIVE	N	AUTO	Y	480 3Ø
420	SHORTER COLLEGE	1001 NORTH VINE	Y	N	N	240 3Ø
421	BURNS PARK EAST	SOUTH OF THE TENNIS COURTS IN BURNS PARK	N	N	N	240 3Ø
422	BURNS PARK WEST	WEST OF RIDES IN BURNS PARK	N	N	N	240 1Ø
423	LAKEWOOD PLACE	3301 LAKEVIEW ROAD	N	N	N	230 1Ø
424	I 440 INDUSTRIAL PARK	INDUSTRIAL DRIVE	Y	N	N	208 3Ø
425	AUSTIN LAKE	802 INDIAN BAY -- SHERWOOD	Y	N	N	480 3Ø
426	FRONTIER DR.- MORGAN	FRONTIER DRIVE	Y	AUTO	Y	480 3Ø
427	MARCHE-MORGAN	ROBIN VALLEY RD. -- OFF MARCHE	Y	N	N	480 3Ø
429	BAUCUM INDUSTRIAL	1201 BAUCUM INDUSTRIAL DRIVE- NEXT TO GLOVER TRANS.	Y	N	N	208 3Ø
430	WILCOX	1124 HWY 391 SOUTH--SCOTT	Y	AUTO	Y	480 3Ø
431	QUAPAW	13743 FAULKNER LAKE RD--BY GOLF COURSE	Y	AUTO	Y	240 3Ø

2013 Installed Emergency Response Connection

2014 Installed Emergency Response Connections

2015 Proposed Emergency Response Connections

* In Construction

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NORTH LITTLE ROCK WASTE WATER UTILITY

2015

PUMP STATION #	PUMP STATION NAME	LOCATION	PUMP CONNECTION	TRANSFER SWITCH	GENERATOR	VOLTS
432	HWY 365-SHERMAN RD	2ND CURVE TO LEFT OFF SHERMAN RD-GRAVEL EASEMENT	Y	AUTO	Y	480 3Ø
433	GAP CREEK	RIGHT OFF BROCKINGTON IN GAP CREEK SUBDIVISION- 1 BLOCK ON RIGHT	Y	N	N	240 3Ø
434	HARRIS INDUSTRIAL PARK	ON DIAMOND DR BETWEEN DIAMOND INTERNATIONAL & GREAT DANE	Y	N	N	480 3Ø
435	BURNS PARK RV PARK	BEHIND RV DUMP STATION	N	N	N	240 1Ø
436	BURNS PARK LANDSCAPING	SOUTH OF LANDSCAPE MAINTENANCE BLDG.	N	N	N	240 1Ø
437	BURNS PARK SOUTH	ON GOLF COURSE BY HOLE #5 TEE BOX, PAR 3, 132 YARDS	N	N	N	240 1Ø
438	HILL LAKE	ON BARTON RD BESIDE GALLOWAY INN	N	AUTO	Y	480 3Ø
439	BURNS PARK SOCCER FIELDS	1 BLOCK PAST HEILMAN ON RIGHT	N	N	N	230 1Ø
440	COLLINS INDUSTRIAL PARK	END OF COLLINS RD.	Y	AUTO	Y	480 3Ø
441	COUNTS MASSIE	8701 COUNTS MASSIE RD MAUMELLE, AR 72113	Y	AUTO	Y	480 3Ø
442	CHAPEL RIDGE	5900 MCCAIN PLACE NLR, AR 72116	Y	N	N	240 3Ø
443	RIXIE PUMP -HWY 161	BESIDE 6302 HWY 161	Y	AUTO	Y	480 3Ø
444	RIXIE PUMP-LUCKY DR.	LUCKY DR OFF HWY 161	Y	AUTO	Y	480 3Ø
445	RIXIE PUMP- TRAMMEL RD	BEHIND 834 TRAMMEL RD	Y	AUTO	Y*	480 3Ø
446	RIXIE PUMP-RIXIE RD- RR TRACK	AT RR CROSSING ON RIXIE RD	Y	N	N	480 3Ø
447	CYPRESS CROSSING	MYENA LANE OFF OF HWY 165	Y	AUTO	Y	480 3Ø
448	CRYSTAL BAY	2 BLOCKS WEST ON CRYSTAL HILL RD FROM COUNTS MASSIE RD	Y	N	N	480 3Ø
449	TRAMMEL ESTATES	IN TRAMMEL ESTATES FIRST LEFT 1 BLOCK DOWN	Y	N	N	240 1Ø
450	EUREKA GARDEN & 46TH	CORNER OF EUREKA GARDEN & 46TH STREET	Y	AUTO	Y	240 3Ø
451	EUREKA GARDEN RD	ON EUREKA GARDEN RD	Y	Manual	N	240 3Ø
452	EUREKA GARDEN & JUDY LANE	CORNER OF EUREKA GARDEN & JUDY LANE	Y	Manual	N	240 3Ø
453	FAULKNER CROSSING 5		Y	AUTO	Y	480 3Ø
	2013 Installed Emergency Response Connection					PAGE 2 OF 2
	2014 Installed Emergency Response Connections					
	2015 Proposed Emergency Response Connections					
	* In Construction					
	** In Pump Station Upgrade					

NORTH LITTLE ROCK WASTE WATER UTILITY

2015

[illegible]

- iv. Provide emergency generator connection and transfer switches at pump stations.

In 2008, the Utility purchased a 480V, 3phase, 100 KW trailer mounted generator. This generator is used to provide temporary power to certain pump stations.

In 2013, the Utility purchased a 240/480 V, 3 phase, 100 KW trailer mounted generator. This generator can be used to provide temporary power to pump stations.

To date, manual transfer switches have been installed on three (3) pump stations. New pump stations are required to include emergency generator connections and transfer switches.

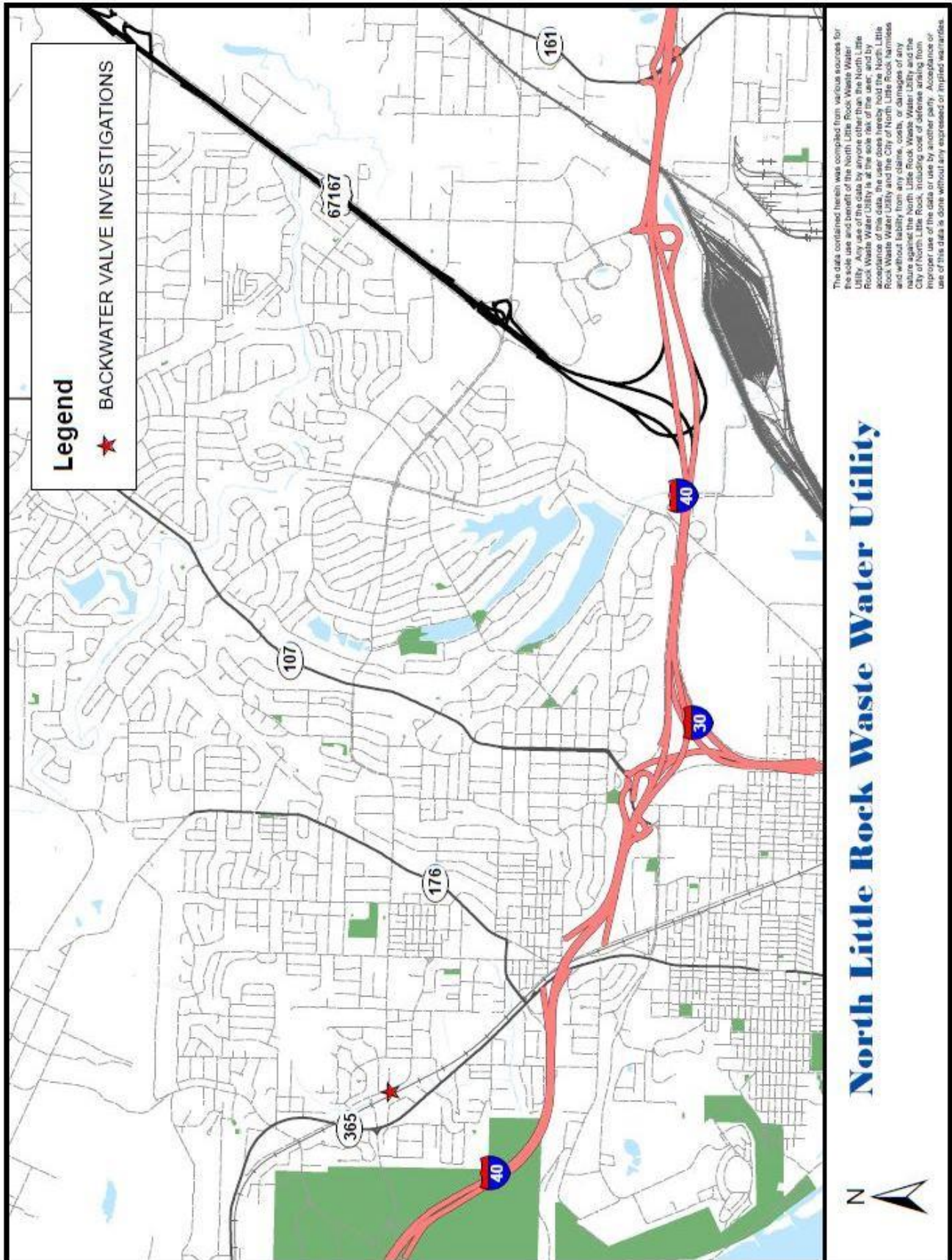
Permanent mounted generators and automatic transfer switches have been installed at 18 pump stations and two (2) treatment plants.

The above (E. iii) "Pump Station Emergency Response Connections" table identifies pump stations with generators and/or transfer switches.

- v. Identify areas subject to building/private property backups.

The Utility utilizes trouble calls to initiate an investigation to determine areas subject to building/private property backups. A trouble call attributed to "high water" and resulting in slow draining fixtures or backups in buildings or property initiates a work order to the Civil Engineer. The Civil Engineer conducts an investigation to determine the cause of the backup and documents the need for corrective action. The Civil Engineer documents the need for a backwater valve and sends a letter to the property owner. A copy of the letter is given to the GIS Administrator for entry into the GIS database.

Following is a map identifying the addresses investigated in 2014 for the need for backwater valves and the resulting action taken.



vi. Public education

In 2012, the Utility expanded its Grease Reduction Program to include additional items to ‘not’ put down the drain and has renamed the program “Maintain YOUR Drain.” Expansion of the Grease Reduction Program was largely brought about by increased problems associated with so-called “flushable wipes.”

A summary of the activities conducted by the “Maintain YOUR Drain” staff, in 2014, is attached, as well as, copies of the mailers.

North Little Rock Waste Water Utility's Maintain YOUR Drain Program

(Educating the public on what "NOT" to put down the drain.)

Date	Group Name	Location	Approximate # of Attendees
03/12/14	Seventh Street Elementary	1200 East 7th Street, NLR	35
03/18/14	Crestwood Elementary	1901 Crestwood, NLR	81
03/21/14	NLR Catholic Academy	1518 Parker St., NLR	20
04/09/14	Oak Grove Elementary	5703 Oak Grove Road, NLR	30
05/06/14	Sherwood Sewer Committee	51 Shelby Road, Sherwood	8
06/05/14	Amboy Crime Watch	311 East Military Drive, NLR	10
06/12/14	Scenic Hill Neighborhood	117 Sunset Lane, NLR	10
06/26/14	Ridge Road Village	4748 Ridge Road, NLR	20
10/09/14	Seventh Street Elementary	1200 East 7th Street, NLR	40
10/16/14	Crestwood Elementary	1901 Crestwood, NLR	80
11/25/14	NLR Catholic Academy	1518 Parker St., NLR	100
Total Attendees to Date			434

Mar-14 55,000 Mailers were sent out with information on how to dispose of grease properly. It also contained information on what to not put down the drain.

Jul-14 55,000 Mailers were sent out with information on how to dispose of grease properly. It also contained information on what to not put down the drain.

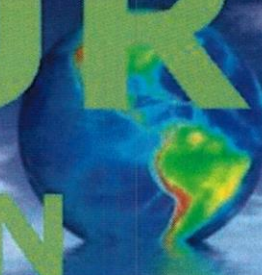
Nov-14 55,000 Mailers were sent out with information on how to dispose of grease properly. It also contained information on what to not put down the drain.

In addition, children at the previously mentioned schools were given bracelets with the North Little Rock Waste Water Logo and a message that reads "Protect Our Water" as a reminder of how the dangers of improper grease disposal can harm our environment. Informative brochures are handed out at all meetings with material on grease and pharmaceutical disposal.



501-945-7186

MAINTAIN YOUR DRAIN



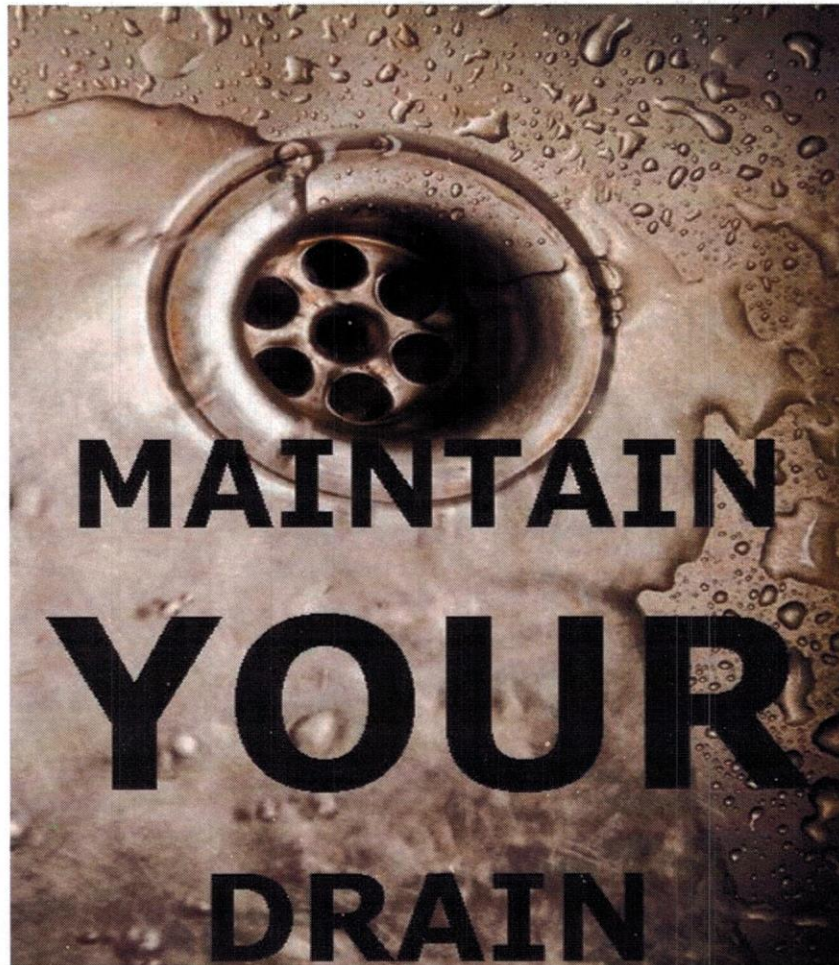
Do **Not** Put Down the
Drain or Toilet

Baby Wipes
Clothing/Rags
Paper Towels
Automotive Oils
Pharmaceuticals
Cosmetics/Fragrances
Sunscreen Products
Chemicals

WWW.NORTHLITTLEROCK.AR.GOV



501-945-7186



Grease

**Never pour grease or cooking oil down
sink drains or
garbage disposals.**

**Place small amounts of grease and oil in
the trash.**

**Large containers of cooking oil can be
recycled at**

**12th & Willow
North Little Rock, AR 72114
(501) 371-8345**

WWW.NORTHLITTLEROCK.AR.GOV



501-945-7186

A photograph of various pharmaceuticals including pills, capsules, and syringes, serving as a background for the main title.

MAINTAIN YOUR DRAIN

Pharmaceuticals

**Do NOT flush them down the
toilet.**

**Mix old pharmaceuticals with used
coffee grounds or kitty litter.**

**Place them in a sealable container
and throw them in the trash.**

OR

**Contact local law enforcement for
community take-back programs.**

vi. Treatment plant stormwater runoff protection

Part of the Utility's effort to comply with treatment plant stormwater runoff protection includes the addition of "Maintenance and Emergency Equipment Storage Facilities." This project includes the addition of metal buildings to house maintenance and emergency response equipment.

This project also includes the addition of a vehicle wash station, site grading and drainage improvements.

Section B.vii provides additional information regarding this project.

viii. Secure funding for Capital Improvement Projects

a. A three-step rate increase was adopted by the North Little Rock City Council on March 26, 2012, to fund the capital Improvements program through the Revolving Loan Fund Program.

b. On November 28, 2012, the Utility closed on a \$21,000,000 loan with the Arkansas Natural Resources Commission.

Through January 2015, NLRW has spent \$12,934,960.27 of the current loan. Approximately \$6,048,180.02 remain uncommitted for Phase I - Capital Improvements Projects which will be used for pipeline rehabilitation.

c. Marlar Engineering, Inc. is preparing a facility plan for Phase II - Capital Improvements Projects based on the 2011 Masterplan and staff recommendations. The facility plan is a requirement for securing funding through the Arkansas Natural Resources Commission.

Also, NLRW has entered into an agreement with *economists.com* for preparation of a "Wastewater Rate Study and Long-Term Financial Plan". The utility's goal is to have funding available and rates in place by January, 2016 for Phase II – Capital Improvements Projects.

ix. Point Repairs

NLRW uses outside services for point repairs depending on work load, schedule and need for specialized experience. A summary of point repairs made by outside service contractors is shown below.

Type of Repair by Outside Services			
<u>Year</u>	<u>Contractor</u>	<u># Repairs</u>	<u># Complete</u>
2014	SSES Point Repairs	20	20
2014	Repairs Beneath Water Table	0	0
2014	Other	1	1

A summary of point repairs completed by utility crews is included in Appendix C. Year-To-Date Work Recap Report (Collection Systems Department).

2. **Civil Penalty Payment Summary**

<u>Total Owed</u>	\$105,000.00
<u>Payments</u>	
Mar. 10, 2011	(\$4,375.00)
Apr. 25, 2011	(\$4,375.00)
May 25, 2011	(\$4,375.00)
June 25, 2011	(\$4,375.00)
July 25, 2011	(\$4,375.00)
Aug. 25, 2011	(\$4,375.00)
Sept. 25, 2011	(\$4,375.00)
Oct. 25, 2011	(\$4,375.00)
Nov. 25, 2011	(\$4,375.00)
Dec. 25, 2011	(\$4,375.00)
Jan. 25, 2012	(\$4,375.00)
Feb. 25, 2012	(\$4,375.00)
Mar. 25, 2012	(\$4,375.00)
Apr. 25, 2012	(\$4,375.00)
May 25, 2012	(\$4,375.00)
June 25, 2012	(\$4,375.00)
July 25, 2012	(\$4,375.00)
Aug. 25, 2012	(\$4,375.00)
Sept. 25, 2012	(\$4,375.00)
Oct. 25, 2012	(\$4,375.00)
Nov. 25, 2012	(\$4,375.00)
Dec. 25, 2012	(\$4,375.00)
Jan. 25, 2013	(\$4,375.00)
Feb 13, 2013	(\$4,375.00)
Balance Owed	-0-

3. **Notifications of Deficiencies**

CAO Notices of Deficiencies received from ADEQ: **None** (no. & date)

NLRWU response to Notice of Deficiencies: **N/A** (must be within 15 days)

Summary of NLRWU actions to address deficiencies: **N/A**

4. **Compliance Delays**

Notifications of Compliance Delays submitted to ADEQ: **None** (no. & date)

Length of Compliance Delay: **N/A**

Cause of Compliance Delay: **N/A**

Measures Taken to Minimize Delay: **N/A**

Timetable for Implementing Additional Measures: **N/A**

5. **Certification**

As required by the Order and Agreement, Paragraph 3, North Little Rock Wastewater Utility certifies that we are complying with the ADEQ-approved Wastewater Master Plan.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "M. Wilkins", followed by a horizontal line.

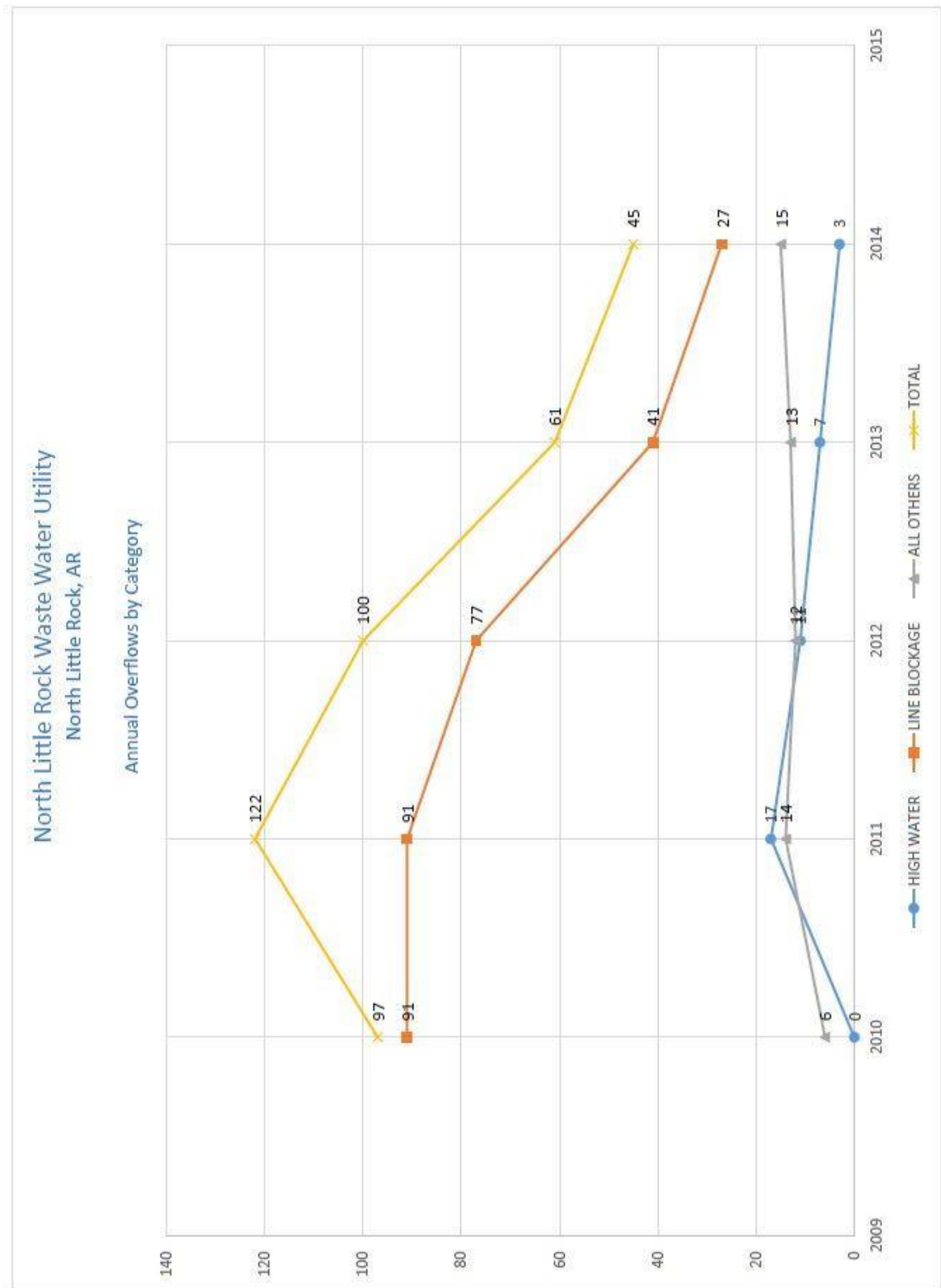
Marc E. Wilkins, PE
Director
North Little Rock Wastewater Utility

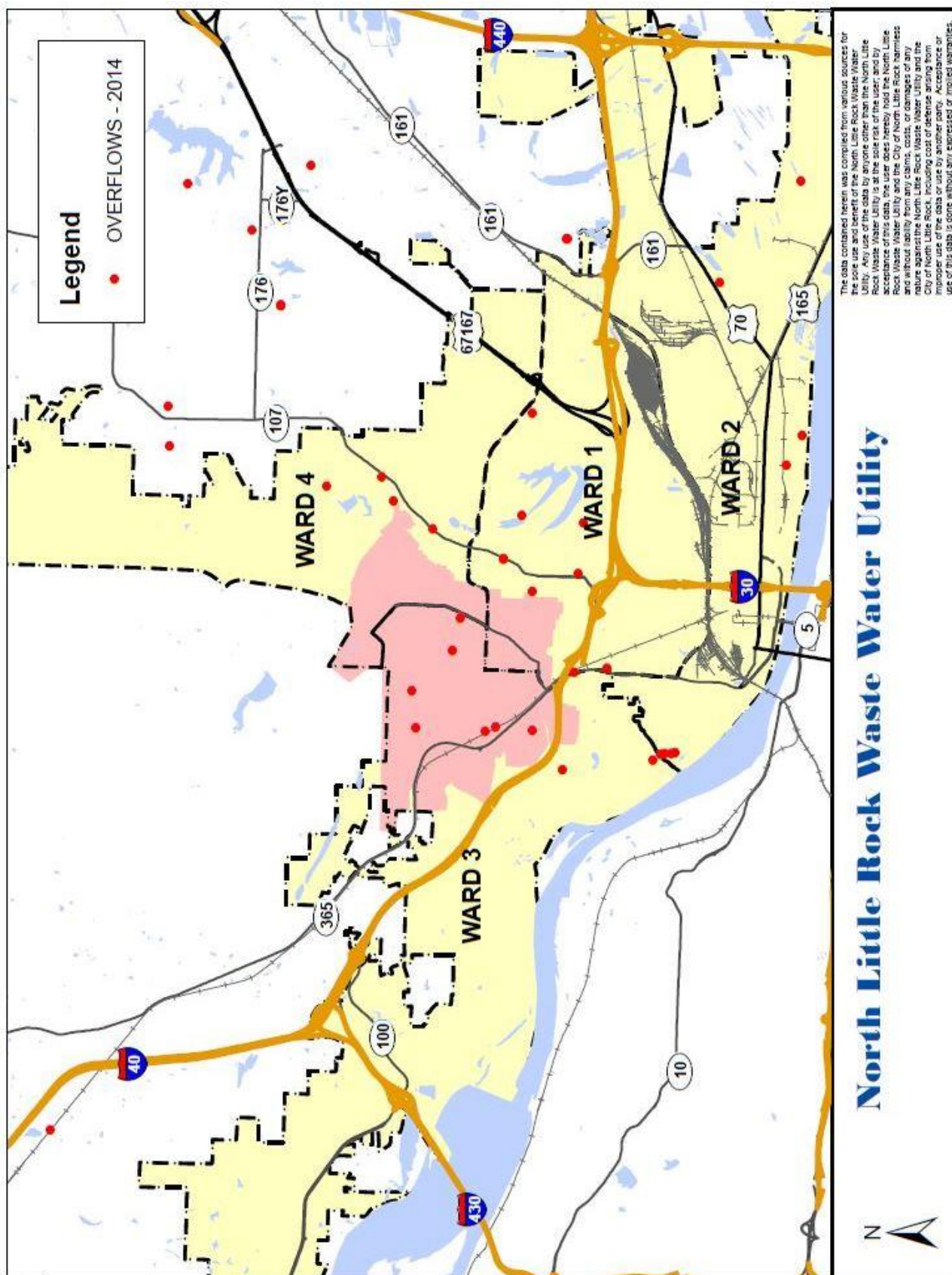
APPENDIX

A. Annual Overflows by Category

B. Overflows 2014

C. 2014 Year-To-Date Work Recap Report (Collection Systems Department)





North Little Rock Waste Water Utility

2014 Year-To-Date Work Recap Report

Crews:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y T D
MANHOLE:													
Disconnects	0	0	0	0	0	0	0	0	0	0	0	0	0
Taps	0	1	0	0	0	0	0	0	0	0	0	0	1
Repairs	40	51	38	131	66	112	91	113	143	143	119	94	1,141
# of MH's Grouted	22	8	6	17	66	34	91	34	11	11	8	8	316
# of Coats	0	0	1	0	0	0	0	0	0	0	0	0	1
MH Depth (Ft/In)	91.0	51.5	39.0	58.5	77.0	63.5	22	54	0	0	0	0	456.5
# of Bags of Grout	42.0	17.0	26.0	26.0	23.0	15.0	16	10	5	5	3	12	200
POWER DRIVE:													
# of Ft Cleaned	5,776	8,448	8,104	8,312	8,377	9,885	9,837	7,628	8,560	9,355	6,254	11,746	102,282
PWR RODDER #1:													
# of Ft Cleaned	4,212	3,171	3,607	2,343	5,449	6,036	1,646	100	756	2,073	315	0	29,708
PWR RODDER #2:													
# of Ft Cleaned	3,788	3,615	1,710	5,707	3,669	495	798	2,463	6,892	6,892	3,069	0	39,098
REPAIR #1:													
Repairs	7	9	11	12	6	6	10	10	8	10	5	6	100
New Manholes	0	0	1	0	0	2	1	1	0	0	0	2	7
New Lines	0	0	0	0	0	0	1	0	0	0	0	0	1
Disconnects	0	0	0	0	0	0	0	0	0	0	0	0	0
Taps	3	3	0	3	1	0	1	1	1	2	1	4	20
Miscellaneous	10	2	2	3	5	4	6	2	3	5	2	2	46
REPAIR #2:													
Repairs	10	7	11	12	10	15	15	7	14	18	7	13	139
New Manholes	0	0	1	0	0	0	0	0	0	0	0	0	1
New Lines	0	0	1	0	0	0	0	0	0	0	0	0	1
Disconnects	0	0	0	0	0	0	0	0	0	0	0	0	0
Taps	1	0	0	0	0	1	1	0	1	0	1	0	5
Miscellaneous	12	7	3	5	9	10	10	2	3	10	7	4	82
REPAIR #3:													
Repairs	7	9	9	9	8	8	3	4	11	6	5	14	93
New Manholes	0	0	0	0	0	1	2	0	0	0	0	0	3
New Lines	0	0	0	0	1	1	1	0	0	0	0	0	3
Disconnects	0	0	0	0	0	0	0	0	0	0	0	0	0
Taps	1	2	2	5	1	1	0	3	2	1	0	8	26
Miscellaneous	13	10	13	9	11	9	3	8	1	7	1	5	90

North Little Rock Waste Water Utility

2014 Year-To-Date Work Recap Report

Crews:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y T D
TROUBLE:													
<i># of Ft Cleaned</i>	2,579	2,879	1,092	930	508	937	522	827	1,116	474	965	539	13,368
<i>Stop-Ups</i>	61	50	49	42	39	49	26	26	25	29	42	52	490
<i>Private Lines</i>	39	33	21	32	33	40	21	18	18	22	34	39	350
<i>Cave-Ins</i>	4	0	3	7	7	11	4	3	1	2	3	3	48
<i>Flooded Houses</i>	0	0	1	0	0	0	1	0	0	0	0	0	2
<i>Miscellaneous</i>	42	59	55	64	64	50	60	71	71	64	41	51	692
<i>Total Calls</i>	103	110	108	116	110	108	89	94	94	90	85	108	1,215
VACCON #1:													
<i># of Ft Cleaned</i>	19,014	23,147	33,946	43,399	34,668	23,989	34,681	38,693	16,889	43,503	25,715	36,793	374,437
VACCON #2:													
<i># of Ft Cleaned</i>	21,942	31,693	34,193	48,545	19,486	30,210	40,840	50,456	39,571	16,976	24,040	46,306	404,258
VACCON #3:													
<i># of Ft Cleaned</i>	22,569	34,288	32,048	50,937	40,976	29,898	32,734	46,453	44,254	41,756	29,834	39,838	445,585
VACCON #4:													
<i># of Ft Cleaned</i>										17,399	12,977	0	30,376
TV #1													
<i># of Ft</i>	11,683	8,022	10,466	16,207	6,257	7,898	19,618	20,026	19,716	20,405	17,729	18,520	176,547
TV #2													
<i># of Ft</i>	6,737	5,406	5,456	3,200	9,633	5,825	13,822	13,863	19,649	24,848	15,142	17,393	140,974