BEFORE THE DEPARTMENT OF NATURAL RESOURCES STATE OF MISSOURI

IN THE MATTER OF:)
City of Columbia Wastewater Collection and Treatment System P.O. Box 6015 Columbia, MO 65205)))) Order No. 2016-WPCB-1110
SERVE:)
The City of Columbia Mike Matthes City Manager)))

ABATEMENT ORDER ON CONSENT

NOTICE TO RECIPIENTS OF ABATEMENT ORDERS

The issuing of this Abatement Order on Consent (AOC) No. 2016-WPCB-1110, by the Department of Natural Resources, is a formal administrative action by the state of Missouri and is being issued because the city of Columbia violated the Missouri Clean Water Law (MCWL). This AOC is issued under the authorities of Sections 640.130, 640.131, 644.056 and 644.079, RSMo. Failure to comply with this AOC is, by itself, a violation of the MCWL Section 644.076.1, RSMo. Litigation may occur without further administrative notice if there is not compliance with the requirements of this AOC. This AOC does not constitute a waiver or a modification of any requirements for the MCWL, or its implementing regulations, all of which remain in full force and effect. Compliance with the terms of this AOC shall not relieve the city of liability for, or preclude the department from, initiating an administrative or judicial enforcement action to recover

civil penalties for any future violations of the MCWL, or to seek injunctive relief, pursuant to Chapter 644, RSMo.

FINDINGS OF FACT

- 1. The city owns and operates a wastewater treatment facility (WWTF) located in the SE 1/4, SW 1/4, Section 07, Township 47 North, Range 13 West, of Boone County, Missouri. The WWTF, which receives wastewater from approximately 48,250 connections, consists of treatment by activated sludge, an anaerobic sludge digester, a sludge storage basin, and wetland treatment with a portion of dry solids being land applied or hauled to Missouri Biosolids. The WWTF has a design population equivalent of 178,875, a designed average flow 20.6 million gallons per day (MGD), an actual flow of 15.8 MGD, a design sludge production of 3,948 dry tons per year, and an actual sludge production of 3,337 dry tons per year. Effluent discharges to a tributary to the Missouri River pursuant the conditions and requirements of Missouri State Operating Permit (MSOP) No. MO-0097837.
- 2. The city's wastewater collection system is comprised of publicly owned and maintained infrastructure, which includes 704 miles of publicly owned sewer lines, 18,336 manholes, and end of line clean outs, and 22 pump stations.
- 3. Perche Creek, Hinkson Creek, Hominy Branch, North Fork Grindstone Creek, Grindstone Creek, Gans Creek, Bear Creek, Rocky Fork Creek, Cow Branch, Harmony Creek Scotts Branch, Meredith Branch, Goodin Branch, Mill Creek, Flat Branch, County House Branch, South Fork Grindstone Creek, Clear creek, and their tributaries are within the boundary of the city and are waters of the state as the term is defined by Section 644.016(27) RSMo.
- 4. Domestic wastewater is a water contaminant as the term is defined in Section 644.016(24), RSMo.

- 5. Appendix's A and B includes a list of events self-reported, reported by others or found by investigation from the city's fiscal year 2008 (October 1, 2007) through part of the city's fiscal year of 2016 (August 19, 2016) that may have resulted in a release of water contaminants from the sewage system of the city and are the subject of this enforcement action. All releases that have occurred from the system up to and including the date of signature of this agreement and listed on Appendices A and B are addressed by this AOC.
- 6. The department dispatched employees to investigate the January 17, 2014, and March 16, July 30, and August 24, 2015, and March 2, and 3, 2016, overflows, included on Appendix A. In doing so, the department incurred costs and expenses, including but not limited to, water sampling and analysis, photographs, and travel expenses. These costs incurred by the department total \$5,477.89.
- 7. Section 644.096, RSMo, authorizes the state, or any political subdivision or agency, to recover actual damages, including all costs and expenses necessary to establish or collect any sums under Section 644.006 to 644.141, RSMo, and the costs and expenses of restoring any waters of the state to their condition as they existed before the violation, sustained by the state because of the violation
- 8. Section 644.076.1, RSMo, makes it unlawful to violate the MCWL and regulations promulgated pursuant thereto and established civil penalties up to \$10,000.00 per violation per day.
- 9. The city is in the process of developing an Integrated Management Plan (IMP) for its stormwater, and wastewater collection and treatment system improvements. The IMP will include but not be limited to capital improvement projects to reduce Inflow and Infiltration and other improvement in the collection system with the goal of eliminating wet weather and dry

weather Sanitary Sewer Overflows (SSOs). The city is preparing the plan in accordance with the guidelines as written in the Environmental Protection Agency's Integrated Municipal Stormwater and Wastewater Planning Approach Framework and intends to submit a copy of the plan to the department. A Memorandum of Understanding between the Department and the City details expectations between the parties including intentions regarding implementation of the IMP.

STATEMENT OF VIOLATIONS

The city has violated the MCWL and its implementing regulations as follows:

- 10. Operated, used, or maintained a water contaminant, wastewater, which was discharged to waters of the state without an MSOP, in violation of Sections 644.051.2 and 644.076.1, RSMo, and 10 CSR 20-6.010(1)(A) and (5)(A); and
- 11. Placed, or caused or permitted to be placed, a water contaminant in a location where it is reasonably certain to cause pollution of waters of the state in violation of Sections 644.051.1(1) and 644.076.1, RSMo.
- 12. The WWTF system discharged water contaminants into waters of the state, which reduced the quality of such waters below the Water Quality Standards established by the Missouri Clean Water Commission in violation of Sections 644.051.1(2) and 644.076.1, RSMo, and 10 CSR 20-7.031 or applicable subsections of 10 CSR 20-7.031.

AGREEMENT

- 13. The department and the city desire to amicably resolve all claims that may be brought against the city for violations alleged above in Statement of Violations without the city admitting to the validity or accuracy of such claims.
- 14. The provisions of this AOC shall apply to and be binding upon the parties executing this AOC, their successors, assigns, agents, subsidiaries, affiliates, and lessees,

including the officers, agents, servants, corporations, and any persons acting under, through, or for the parties. Any changes in ownership or corporate status, including but not limited to any transfer of assets or real or personal property, shall not affect the responsibilities of the city under this AOC. If the city sells or otherwise transfers the WWTF, then the city shall cause as a condition of such sale or transfer that the buyer will assume the obligations of the city under this AOC in writing. In such event, the city shall provide 30 days prior written notice of such assumption to the department.

15. The city, in compromise and satisfaction of the department's claims relating to the above-referenced violations, agrees, without admitting liability or fault, to pay a civil penalty in the amount of \$15,000.00. The payment shall be in the form of a certified check or cashier's check made payable to "Boone County Treasurer, as custodian of the Boone County School Fund." The check in the amount of \$15,000.00 is due and payable upon execution of this AOC by the city. The check and signed copies of the AOC shall be delivered to:

Accounting Program
Department of Natural Resources
P.O. Box 477
Jefferson City, MO 65102-0477

The city agrees to pay the state's investigative costs in the amount of \$5,477.89 in the form of a separate check made payable to the "State of Missouri". The check in the amount of \$5,477.89 is due and payable upon execution of this AOC by the city. The check shall be delivered as provided in Paragraph 39 of this AOC.

16. In the event that a SSO or a bypass of wastewater from the WWTF and/or its collection system should occur, the city agrees and is ordered to orally report the SSO or bypass to the department within 24 hours from the time the city became aware of such as SSO or bypass, by contacting the Northeast Regional Office at (660) 385-8000 between 8:00 a.m. to

5:00 p.m. Monday through Friday, and after hours (Friday 5:00 p.m. to Monday 8:00 a.m.) contact the department's 24-Hour Emergency Spill Line at (573) 634-2436 to report the SSO or bypass to the department. The city further agrees and is ordered to provide written notice to the department within five days from the time the city becomes aware of the SSO or bypass and agrees to take immediate action to correct each SSO or bypass. The city may utilize the department's SSO Reporting System at http://www.dnr.mo.gov/modnrcag/ to report the SSOs and bypasses to the department.

OTHER PROVISIONS

- AOC will not be completed by the required deadline, the city shall notify the department by telephone or electronic mail i) identifying the deadline that will not be completed; ii) identifying the reason for failing to meet the deadline; and iii) proposing an extension to the deadline. Within five days of notifying the department, the city shall submit to the department for review and approval a written request containing the same information. The department may grant an extension if it deems appropriate. Failure to submit a written notice to the department may constitute a waiver of the city's right to request an extension and may be grounds for the department to deny the city an extension.
- 18. Compliance with this AOC resolves only the specific violations described herein, and this AOC shall not be construed as a waiver or modification or any other requirements of the MCWL and regulations, or any other source of law. Nor does this order resolve any future violations of this order or any law or regulation. Consistent with 10 CSR 20-3.010(5), this order shall not be construed as satisfying any claim by the state or federal government for natural resource damages.

- 19. Nothing in this AOC forgives the city from future non-compliance with the laws of the state of Missouri, nor requires the department or state of Missouri to forego pursuing by any legal means for any non-compliance with the laws of the state of Missouri. The terms stated herein constitute the entire and exclusive agreement of the parties. There are no other obligations of the parties, be they express or implied, oral or written, except those expressly set forth herein. The terms of this AOC supersede all previous memoranda or understanding, notes, conversations, and agreements, express or implied. This AOC may not be modified orally.
- 20. By signing this AOC, all signatories assert that they have read and understood the terms of this AOC, and that they have the authority to sign this AOC on behalf of their respective party.
- 21. The effective date of the AOC shall be the date the department signs the AOC. The department shall send a fully executed copy of this AOC to the city for its records.
- 22. The city shall comply with the MCWL, Chapter 644, RSMo and its implementing regulations at all times in the future.

COST ANALYSIS FOR COMPLIANCE

23. Pursuant to Section 644.145, the Cost Analysis for Compliance (CAFCom), which addresses the obligations included within this Order through date of signature, is attached hereto as Appendix C. This CAFCom does not address future improvements that may be necessary to comply with the MCWL or its implementing regulations.

NOTICE OF APPEAL RIGHTS

24. By signing this AOC, the city consents to its terms and waives any right to appeal, seek judicial review, or otherwise challenge the terms and conditions of this AOC pursuant to Sections 621.250, 640.010, 640.013, 644.056.3, 644.079.2, Chapter 536 RSMo, 644.145, RSMo,

10 CSR 20-1.020, 10 CSR 20-3.010, 10 CSR 20-6.020(5), the Missouri Constitution, or any other source of law for any matters prior to the signature of this agreement.

25. The city reserves the right to appeal any decisions of the department regarding interpretations of this agreement, permits subsequent to this agreement, future violations and/or decisions of the department consistent with and allowed under law going forward from the date of signature to this agreement.

SIGNATORY AUTHORITY

Agreed to and Ordered this day of	, 2016	
John Madras, Director Water Protection Program Missouri Department of Natural Resources		
Agreed to and Ordered thisday of	, 2016	
Mike Matthes, City Manager City of Columbia		
ATTEST:		
Sheela Amin, City Clerk	Date:	, 2016
APPROVED AS TO FORM:		
Nancy Thompson, City Counselor	Date:	, 2016

charg	by certify that this Contract is wited, that is, accountce to the credit of such account su	and that	riation to which it is to be there is an unencumbered
Miche	ele Nix, Director of Finance	Date:	, 2016
Copie	es of the foregoing served by certi-	fied mail to:	
Lathro 314 E	Pavid Shorr op & Gage Past High Street son City, MO 65101	CERTIFIED MAIL # 70	013 3020 0001 2161 6133
c:	Ms. Diane Huffman, Environme Mr. Chris Wieberg, Chief, Oper Ms. Irene Crawford, Director, N Missouri Clean Water Commiss Accounting Program	rating Permits Section Northeast Regional Office	

APPENDIX A

Appendix A

			FY	2016 Sanitary Sc	ewer O	veri	low and	Bypass Summa	ry - Colun			er Treatment Plant - Pern	it No. MO-0097837			
Date	Time	Reported by	Location	on	SSC)	Bypass	Precipita	ation	Discharg	e Estimate	Watershed	Cause	Corrective Action	MDNR N	Notification
	"""		Address	MH Number(s)	Dry V	Vet 1	Dry Wet	Inches	Duration	Duration	Volume	1		Completed or Needed	Date	Time
11/18/15	9:00 AM	Staff	1930 Jackson	1A32		х		4.45	43 hrs	unknown	unknown	Bear Creek	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	9:45 AM	Staff	1614 Secretariat	2K42		х		4.45	43 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	10:00 AM	Staff	2103 Lovejoy	2K154		х		4.45	43 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	8:30 AM	Staff	2601 Greenbriar	5B1		х		4.45	43 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	8:10 AM	Staff	2601 Greenbriar	5B1	\vdash	x		4.45	43 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	7:35 AM	Staff	1700 Forum	5G10	\vdash	x		4.45	43 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	7:35 AM	Staff	1700 Forum	5G37		x		4.45	43 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	11/18/2015	1:45 PM
11/18/15	8:00 AM	Staff	1700 Forum	5G81A	_	x		4.45	43 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce [+]	11/18/2015	1:45 PM
12/14/15	8:25 AM	Staff	1930 Jackson	1A32		x		2.28	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	9:00 AM	Stalf	1614 Secretariat	2K42		x		2.28	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	12/14/2015	1:40 PM
		Staff	107 Pendleton	3C50		^		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	8:00 AM					_		2.28	31 hrs.			County House Branch				
12/14/15	8:10 AM	Staff	501 Spring Valley	3F61		× L				unknown	unknown		surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	8:50 AM	Staff	2601 Greenbriar	5B1		×		2.28	31 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	8:50 AM	Staff	2601 Greenbriar	5B2		х		2.28	31 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	7:50 AM	Staff	1700 Forum	5G9		х		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	7:50 AM	Staff	1700 Forum	5G10		x		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/14/2015	
12/14/15	7:50 AM	Staff	1700 Forum	5G11		х		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	7:50 AM	Staff	1700 Forum	5G40		х		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/14/2015	1:40 PM
12/14/15	8:00 AM	Staff	1700 Forum	5G81A		x		2.28	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+l	12/14/2015	1:40 PM
12/23/15	8:00 AM	Staff	3514 Deer Run	2K68	х	\neg		n/a	n/a	unknown	<50 gal	Bear Creek	roots at connection	CIPP	12/23/2015	8:25 AM
12/27/15	8:00AM	Staff	WWTP	clarifier	\vdash	-	X	3.52	52 hrs	unknown	unknown	None-Lagoon	surcharged	training for operators	12/29/2015	2:23 PM
12/28/15	9:40 AM	Staff	1930 Jackson	1A32	 	x		3.26	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce 1+1	12/28/2015	
12/28/15	9:40 AM	Staff	1930 Jackson	1A30		x		3.26	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	12/28/2015	1
12/28/15	9:40 AM	Staff	1930 Jackson	1A31	-	<u>^</u>		3.26	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	12/28/2015	
			1614 Secretariat	2K42		_		3.26	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	12/28/2015	
12/28/15	9:40 AM	Staff		1		X		3.26								1
12/28/15	9:45 AM	Staff	107 Pendleton	3C50		X			31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/28/2015	
12/28/15	10:00 AM	Staff	501 Spring Valley	3F61		×		3.26	31 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+I	12/28/2015	
12/28/15	10:20 AM	Staff	E Business Loop	4P59		х		3.26	31 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce 1+1	12/28/2015	1
12/28/15	9:35 AM	Staff	2601 Greenbriar	5B1		x		3.26	31 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	12/28/2015	F .
12/28/15	9:20 AM	Staff	1700 Forum	5G10		х		3.26	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/28/2015	3:00 PM
12/28/15	9:20 AM	Staff	1700 Forum	5G11		x		3.26	31 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	12/28/2015	3:00 PM
12/29/15	1:00 AM	Staff	WWTP	clarifier			х	3.52	52 hrs.	unknown	unknown	None-Lagoon	surcharged	training for operators	12/29/2015	2:23 PM
01/31/16	3:45 PM	Citizen	1422 Torrey Pines	5E141	х	_		n/a	n/a	unknown	unknown	Mill Creek	grease obstruction	add to 6 month list	2/1/2016	1:05 PM
02/01/16	9:00 AM	Staff	1834 Scarbrough	7L53	x			n/a	n/a	unknown	unknown	Clear Creek	grease+rags obstruction	add to 6 month list	2/1/2016	1:05 PM
02/22/16	9:30 PM	Staff	WWTP	digester	 	+	x	n/a	n/a	unknown	unknown	None-Lagoon	power outage	none	2/22/2016	3:45 PM
03/03/16	10:45 AM	Citizen	4011 Discovery	DC1	x	\dashv		n/a	n/a	unknown	unknown	Gans Creek	defective litting	replace fitting	3/3/2016	3:30 PM
03/15/16	12:30 PM	Citizen	3201 Woodbine Ct	5J4	x	\dashv	_	n/a	n/a	unknown	unknown	Hinkson Creek	Grease + Grit	add to 6 month list, CIPP	3/15/2016	3:15 PM
04/23/16	1:15 PM	Stalf	WWTP	centrate line	X	\dashv		n/a	n/a	unknown	unknown	n/a	obstructed line	monitor line	4/24/2016	12:15 PM
05/01/16	4:30 AM	Jim Gallup	923 Yale	3156	x	-		n/a	n/a	unknown	unknown	n/a	obstructed line	CIPP	5/2/2016	11:00 AN
	L			8N6		-+		n/a	n/a	unknown	<u> </u>	Mill Creek				
06/18/16	1:00 PM	Staff	Route KK	7K23	X	_		5.87	24 hrs.		unknown	.1	bored sewer main	repaired main	6/18/2016	6:40 PM
07/03/16	3:50 AM	Staff	Clear Pump Station			X			1	80 min.	60,000 gal	Clear Creek	power outage	Reduce I+I	7/3/2016	11:53 AN
07/04/16	8:30 AM	Citizen	2210 Ridgefield	5L54		x		5.98	32 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+l	7/4/2016	12:20 PM
07/04/16	8:30 AM	Citizen	2216 Ridgefield	5L55		х		5.98	32 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+I	7/4/2016	12:20 PN
07/05/16	9:10 AM	Staff	1614 Secretariat	2K42		Х		5.98	32 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	7/5/2016	2:40 PM
07/05/16	8:00 AM	Staff	Rollins/Redbud	3A86		х		5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40 PM
07/05/16	10:20 AM	Staff	409 W Walnut	3B204		х		5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce 1+1	7/5/2016	2:40 PM
07/05/16	8:15 AM	Staff	310 N Garth	3B252		х		5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce 1+1	7/5/2016	2:40 PM
07/05/16	8:25 AM	Staff	107 Pendleton	3C50		Х		5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce 1+1	7/5/2016	2:40 PM
07/05/16	8:45 AM	Staff	501 SpringValley	3F61		х		5.98	32 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+I	7/5/2016	2:40 PM
07/05/16		Staff	111 Spring Valley	3F95		х	-	5.98	32 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+I	7/5/2016	2:40 PM
07/05/16		Staff	1720 Rollins Rd	4150		х	-	5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+1	7/5/2016	2:40 PM
07/05/16		Staff	1400 Business Loop	4P59		x		5.98	32 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce 1+1	7/5/2016	2:40 PM
07/05/16		Staff	2601 Greenbriar Dr	5B1		x		5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/5/2016	2:40 PM
07/05/16		Staff	2601 Greenbriar Dr	5B2				5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/5/2016	2:40 PM
			TOOL CHOCHOHAL DI	, DL		x	- 1	2.70	1 24 1119.	I MINGOWE	UMMIUWIL	THIRSON CICEN	1 automitigeu	NOUGLE 171	11012010	1 4.40 FW

07/05/16	7:55 AM	Staff	1700 Forum	5G10	T	x	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40 P
07/05/16	7:55 AM	Staff	1700 Forum	5G11		х	 5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40 P
07/05/16	10:25 AM	Staff	1700 Forum	5G14	1	х	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40 1
07/05/16	8:25 AM	Staff	1700 Forum	5G17		х	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40
07/05/16	8:25 AM	Staff	1700 Forum	5G25		Х	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce 1+1	7/5/2016	2:40
07/05/16			1700 Forum	5G37	Г	X	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce I+I	7/5/2016	2:40
07/05/16			1700 Forum	5G39		Х	5.98	32 hrs.	unknown	unknown	Flat Branch	surcharged	Reduce l+l	7/5/2016	2:40
07/05/16			2310 Colony Dr	5G65	х		n/a	n/a	unknown	unknown	Hinkson Creek	rags obstruction/sag	Remove sag	7/5/2016	2:40
07/05/16	L	Staff	2400 Chapel Hill	5K128		х	5.98	32 hrs.	unknown	unknown	County House Branch	surcharged	Reduce I+I	7/5/2016	2:40
07/05/16		Staff	4216 Forum Blvd.	8G13A		х	5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/5/2016	2:40
07/05/16		Staff	4740 Old Mill Creek	8010		х	5.98	32 hrs.	unknown	unknown	Mill Creek	surcharged	Reduce I+I	7/5/2016	2:40
07/05/16		Staff	4900 W Gillespie Bridge Rd	10E18		х	5.98	32 hrs.	unknown	unknown	Merideth	surcharged	Reduce 1+1	7/5/2016	2:40
07/06/16		Staff	KK/ W Applewood Creek	8O29		Х	5.98	32 hrs.	unknown	unknown	Merideth	surcharged	Reduce I+I	7/5/2016	12:5:
07/06/16		Staff	2209 Country Club Dr	4K96		х	5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/6/2016	12:5
07/06/16		Staff	1907 Country Club Dr	4K102		х	 5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/6/2016	12:5
07/06/16		Staff	2900 Forum	5F225	L	х	5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/6/2016	12:5
07/06/16		Staff	2900 Forum	5F226		х	5.98	32 hrs.	unknown	unknown	Hinkson Creek	surcharged	Reduce I+I	7/6/2016	12:5:
07/11/16	1:20 AM	Staff	3019 Hayden Dr	203		х	5.98	32 hrs.	unknown	unknown	Bear Creek	surcharged	Reduce I+I	7/11/2016	12:5
08/19/16	8:45 AM	Staff	1121 S Glenwood Ave	3E10D	х		n/a	n/a	unknown	unknown	Flat Branch	roots at joint	short liner	8/19/2016	2:15
09/06/16	9:30 AM	Chuck Carl	1901 Hanover	2A146	х		n/a	n/a	unknown	unknown	Hinkson Creek	broken pipe	replace manhole	9/6/2016	3:05
09/12/16	3:00 PM	Staff	Sixth + Elm	4N38-4N37	х		n/a	n/a	17minutes	< 500 gal	Flat Branch	broken pipe	short liner	9/12/2016	4:20
Precipitation	on from San	born Field weather	station									· · · · · · · · · · · · · · · · · · ·			

			FY	2015 Sanitary S	ewer Ove	rflow and	Bypass Summa	ry - Colun	nbia Regiona	l Wastewater	r Treatment Plant - Pern	nit No. MO-0097837			
Date	Time	Reported by	Locatio	n	SSO	Bypass	Precipit	ation	Discharg	Estimate	Watershed	Cause	Corrective Action	MDNR N	otification
			Address	MH Number(s)	Dry We	Dry Wet	Inches	Duration	Duration	Volume			Completed or Needed	Date	Time
10/02/14	10:55 AM	Utility Staff	107 Pendleton	3C50	х		4.4	12 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	9:05 AM
10/02/14		Utility Staff	2209 S Country Club Dr	4K96	Х		4.4	12 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/3/2014	9:05 AM
10/03/14	10:30 AM	Utility Staff	1700 Forum	5G40	Х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:55 PM
10/03/14	10:55 AM	Utility Staff	1700 Forum	5G81A	Х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	8:05 AM	Utility Staff	2216 Ridgefield	5L55	Х		5.62	29 hrs.	unknown	unknown	County House Branch	Surcharged	Reduce I&I	10/3/2014	2:55 PM
10/03/14	8:45 AM	Utility Staff	811 Boulder Dr	6O29A	х		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	7:30 AM	Utility Staff	2400 Chapel Hill Rd	5K128	х		5.62	29 hrs.	unknown	unknown	County House Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	8:20 AM	Utility Staff	1930 Jackson	1A32	х		5.62	29 hrs.	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	8:25 AM	Utility Staff	Prov.& Mick Deaver	5C15	х		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	10:15 AM	Utility Staff	1700 Forum	5G9	х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	10:10 AM	Utility Staff	1700 Forum	5G10	Х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	10:05 AM	Utility Staff	1700 Forum	5G11	х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	10:15 AM	Utility Staff	1700 Forum	5G13	х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:55 PM
10/03/14	10:25 AM	Utility Staff	1700 Forum	5G14	х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:55 PM
10/03/14	10:10 AM	Utility Staff	1700 Forum	5G38	х		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
	10:35 AM	Utility Staff	1700 Forum	5G25	x		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	10:20 AM	Utility Staff	1700 Forum	5G39	x		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	10/3/2014	2:55 PM
10/03/14	10:10 AM	Utility Staff	1700 Forum	5G38A	x		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:55 PM
10/03/14	8:30 AM	Utility Staff	310 N Garth	3B252	X		5.62	29 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	7:50 AM	Utility Staff	2601 Greenbriar Dr	5B1	X		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/3/2014	2:40 PM
10/03/14	8:10 AM	Utility Staff	2601 Greenbriar Dr	5B2	X		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce 1&1	10/3/2014	2:40 PM
10/02/14		11:11: A. m	4540 01114715	2010											
10/03/14	9:10 AM	Utility Staff	4740 Old Mill Creek Rd	8010	X		5.62	29 hrs.	unknown	unknown	Mill Creek	Surcharged	Reduce 1&1	10/3/2014	2:55 PM
10/06/14	8:50 AM	Utility Staff	4338 W Bellview	10A42	X		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/6/2015	2:25 PM
	8:00 AM	Utility Staff	3900 Foxcreek Way	10A82	X		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/6/2015	2:55 PM
10/06/14	9:15 AM	Utility Staff	3243 Brampton Ct	10B1	X		5.62	29 hrs.	unknown	unknown	Merideth	Surcharged	Reduce I&I	10/6/2015	2:25 PM
10/06/14	7.20 414	rues of or	4900 W Gillispie Bridge	ione											
10/06/14	7:30 AM	Utility Staff	Rd 1000 N/ C/III i D i i	10E7	X		5.62	29 hrs.	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	10/6/2015	2:25 PM
10/06/14	9:45 AM	Utility Staff	4900 W Gillispie Bridge	10E18			5.60	20.1		. I					
10/00/14	9:43 AM	Othny Staff	Rd 4900 W Gillispie Bridge	10E18	X		5.62	29 hrs.	unknown	unknown	Merideth	Surcharged	Reduce I&I	10/6/2015	2:25 PM
10/06/14	7:30 AM	Utility Staff	4900 W Gillispie Bridge Rd	1050			5.60	20.1	,	. I	n .				
10/00/14	7:50 AiVI	Othicy Staff	4900 W Gillispie Bridge	10F9	X		5.62	29 hrs.	unknown	unknown	Perche	Surcharged	Reduce l&l	10/6/2015	2:25 PM
10/06/14	7:50 AM	Utility Staff	Rd	10F13	x		5.62	29 hrs.	unknown	unknown	Perche	Surcharged	Reduce I&I	10/6/2015	2:25 PM

1074/14 9-30 AM	10/14/14	9:00 AM	Utility Staff	3243 S Brampton Ct	10B1		x		1.31	31 hrs	unknown	unknown	Hinkson Creek	Surcharged	Reduce 1&1	10/14/2014	1:45 PM
1014114 9-30 AM	10/1///	7.00 711.7	Ottal Journ											3	***************************************		
11/22/16 240 PM Citizen 5500 Battomwood DP 6541 x vit vi	10/14/14	9:30 AM	Utility Staff		10F9		x		1.31	31 hrs	unknown	unknown	Perche	Surcharged	Reduce I&I	10/14/2014	1:45 PM
2020/15 12.55 PM Cilizer 2090 Curry Club Dr 44596 x 10/4 474 unknown Hillson Creek creacled pipe main required 2020/15 23.07 M 2020/15 13.07 AM Utility Staff 1403 Rollilins broken main x 10/4 14/4 unknown Mill Creek broken main main required 2020/15 23.07 M 2021/15 23.07 PM Cilizer 4025 Applewood Creek broken main x 10/4 14/4 unknown Lake Woodrall grease & rags invert repitted 3/15/2015 11.00 AM Club Club Club Club Club Club Club Club					6M41	х			n/a	n/a	unknown	unknown	Hinkson Creek	Grease	6 month cleaning list	11/23/2014	9:10 AM
2200111 2239 PM Citizen 2299 Country Club Dr A4596 x						_		1	n/a	n/a	unknown	unknown	Bonne Femme Ck.	Equipment Failure	Equipment Repaired	12/9/2014	2:10 PM
1.30 AM				2209 Country Club Dr	4K96	х		1	n/a	n/a	unknown	unknown	Hinkson Creek	cracked pipe	main repaired	2/2/2015	9:30 AM
22/13/15 2:30 PM					broken main	х		1	n/a	n/a	unknown	< 500 gal.	County House Branch	broken main	main repaired	2/6/2015	2:30 PM
130 130													· · · · · · · · · · · · · · · · · · ·				
13.0 AM	02/13/15	2:30 PM	Citizen	4025 Applewood Creek	broken main	х	1		n/a	n/a	unknown	unknown	Mill Creek	broken force main	main repaired	2/13/2015	4:30 PM
05/28/15 1:30 AM Plant Staff Station broken main x n/a n	03/14/15	6:20 PM	Citizen	1010 Sycamore	5F211	х			n/a	n/a	unknown	unknown	Lake Woodrail	grease & rags	invert repaired	3/15/2015	11:00 AM
0.5728/1.5 8.45 AM				Clear Creek Pump													
Oct 1.30 PM	05/27/15	11:30 AM	Plant Staff	Station	broken main	х	-		n/a	n/a	unknown	< 50,000 gal	Clear Creek	broken main	main repaired	5/27/2015	4:40 PM
Oct 1.30 PM																	
OS/10/15 3-30 PM Plant Staff Station mir relief x	05/28/15	8:45 AM	Plant Staff	Clear Creek Force Main	air relief	х			n/a	n/a	unknown	< 20 gal	Clear Creek	bolts loose on valve	bolts replaced	5/28/2015	8:55 AM
1961 177 187 187 187 187 187 187 18				Cow Branch Pump													
06/18/15 8:30 AM Utility Staff 1930 Jackson St 1.43.2 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 8:45 AM Utility Staff 1930 Jackson St 1.43.2 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:45 AM Utility Staff 1930 Jackson St 1.43.0 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:45 AM Utility Staff 100 Forum 5GI0 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:40 AM Utility Staff 1700 Forum 5GI2 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:35 AM Utility Staff 1700 Forum 5GI2 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:35 AM Utility Staff 1700 Forum 5GI2 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 7:35 AM Utility Staff 1700 Forum 5GI38 x 1.99 9 hrs. unknown unknown Plat Branch Surcharged Reduce I&I 77/2015 1:15 PM 77/07/15 1:15 PM 7	06/10/15	1:30 PM	Plant Staff	Station	air relief	x			n/a	n/a	15 min	<100 gal	Cow Branch	broken ball valve	valve replaced	6/12/2015	3:10 PM
07/07/15 8:45 AM Utility Staff 1930 Jackson St 1A32 X 1.99 9 hrs. unknown vnknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 8:45 AM Utility Staff 1930 Jackson St 1A30 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:50 AM Utility Staff 1700 Forum SG10 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:40 AM Utility Staff 1700 Forum SG12 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:35 AM Utility Staff 1700 Forum SG12 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:35 AM Utility Staff 1700 Forum SG38 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:30 AM Utility Staff 1700 Forum SG39 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:30 AM Utility Staff 1700 Forum SG39 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 1:05 AM Utility Staff 1700 Forum SG39 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 1:05 AM Utility Staff 1700 Forum SG31A X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 8:40 AM Utility Staff 1700 Forum SG31A X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 1:20 AM Utility Staff 1700 Forum SG10 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 1:20 AM Utility Staff 1700 Forum SG10 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2	06/17/15	8:30 AM	Utility Staff	1700 Forum	5G10		х		2.83	133 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	6/17/2015	2:45 PM
07/07/15 8.45 AM Utility Staff 1930 Jackson St 1A30 X 1.99 9 hrs. unknown Pat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 7.45 AM Utility Staff 1700 Forum SGI0 X 1.99 9 hrs. unknown nnknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 7.45 AM Utility Staff 1700 Forum SGI2 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 7.40 AM Utility Staff 1700 Forum SGI2 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 7.35 AM Utility Staff 1700 Forum SG38A X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 1.05 AM Utility Staff 1700 Forum SG39 X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 1.05 AM Utility Staff 1700 Forum SG31A X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 1.05 AM Utility Staff 1700 Forum SG31A X 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.15 PM 07/07/15 1.05 AM Utility Staff 1700 Forum SG31A X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.25 PM 07/07/15 8:00 AM Utility Staff 1700 Forum SG12 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.25 PM 07/07/15 8:00 AM Utility Staff 1700 Forum SG10 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1.25 PM 07/07/15 7:00 AM Utility Staff 1700 Forum SG10 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1:25 PM 07/07/15 7:00 AM Utility Staff 1700 Forum SG10 X 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&I 77/2015 1:25 PM	06/18/15	8:30 AM	Utility Staff	3243 S Brampton Ct	10B1		х		2.83	133 hrs.	unknown	unknown	Merideth	Surcharged	Reduce I&I	6/18/2015	1:40 PM
	07/07/15	8:45 AM	Utility Staff	1930 Jackson St	1A32		х		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/07/15 7:50 AM Utility Staff 1700 Forum 5G10 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:35 AM Utility Staff 1700 Forum 5G32 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 7:30 AM Utility Staff 1700 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 1:05 AM Utility Staff 1700 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 1:105 AM Utility Staff 1700 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 9:10 AM Utility Staff 1700 Forum 5G31A x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 8:40 AM Utility Staff 1700 Forum 5G31A x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1700 Forum 5G31A x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 1:25 PM 07/0	07/07/15	8:45 AM	Utility Staff	1930 Jackson St	1A30		х		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
1.99 9 hrs. 1.99	07/07/15	7:45 AM	Utility Staff	501 Spring Valley	3F61		х		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/07/15 7:35 AM Utility Staff 1700 Forum 5G38A x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/7/2015 1:15 PM 07/07/15 17:30 AM Utility Staff 100 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/7/2015 1:15 PM 07/07/15 11:05 AM Utility Staff 107 Pendleton 3C50 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/7/2015 1:15 PM 07/09/15 9:10 AM Utility Staff 1700 Forum 5G31A x 1.56 24 hrs. unknown reduce l&l 7/9/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/9/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1700	07/07/15	7:50 AM	Utility Staff	1700 Forum	5G10		х		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/07/15 7:35 AM Utility Staff 1700 Forum 5G38A x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 77/2015 1:15 PM 07/07/15 1:05 AM Utility Staff 1700 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 77/2015 1:15 PM 07/09/15 1:15 PM Utility Staff 107 Pendleton 3C50 x 1.99 9 hrs. unknown unknown unknown Flat Branch Surcharged Reduce L&L 77/2015 1:15 PM 07/09/15 1:10 AM Utility Staff 1700 Forum 5G81A x 1.56 24 hrs. unknown unknown unknown Flat Branch Surcharged Reduce L&L 79/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1700 Forum 5G12 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 79/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1400 E Buisness Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 79/2015 1:25 PM 07/20/15 8:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 79/2015 1:25 PM 07/20/15 8:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 79/2015 1:25 PM 07/20/15 8:00 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce L&L 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce L&L 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce L&L 7/20/2015 1:45 PM 07/20/15 8:15 PM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown That Branch Surcharged Reduce L&L 7/20/2015 1:45 PM 07/20/15 8:15 PM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Unknown Tha	07/07/15	7:40 AM	Utility Staff	1700 Forum	5G12		x		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/07/15 7:30 AM Utility Staff 1700 Forum 5G39 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/07/15 1:105 AM Utility Staff 107 Pendleton 3C50 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM 07/09/15 9:10 AM Utility Staff 1700 Forum 5G81A x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 8:40 AM Utility Staff 1700 Forum 5G12 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:25 PM 07/20/15 1:25 PM 07/20/15 1:20 AM Utility Staff 1400 E Buisness Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 110 Forum 5G10 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 111 Spring Valley 3F95 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Elat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Unknow				1700 Forum	5G38A		x		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/07/15 11:05 AM Utility Staff 107 Pendleton 3C50 x 1.99 9 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 77/2015 1:15 PM		7:30 AM		1700 Forum	5G39		х		1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/09/15 9:10 AM Utility Staff 1700 Forum 5G81A x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 8:40 AM Utility Staff 1700 Forum 5G12 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 8:00 AM Utility Staff 1400 E Business Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 1:20 AM Utility Staff 1400 E Business Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15				107 Pendleton			x	1	1.99	9 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/7/2015	1:15 PM
07/09/15 8:40 AM Utility Staff 1700 Forum 5G12 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 3:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/09/15 11:20 AM Utility Staff 1400 E Buisness Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown mknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 8:00 AM Utility Staff 111 Spring Valley 3F95 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM							х	1	1.56	24 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/9/2015	1:25 PM
07/09/15 8:00 AM Utility Staff 1700 Forum 5G10 x 1.56 24 hrs. unknown Inknown							х	1	1.56	24 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/9/2015	
07/09/15 11:20 AM Utility Staff 1400 E Buisness Loop 4P59 x 1.56 24 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/9/2015 1:25 PM 07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Belt Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 111 Spring Valley 3F95 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 501 Spring Valley 3F61 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:15 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>х</td> <td></td> <td>1.56</td> <td>24 hrs.</td> <td>unknown</td> <td>unknown</td> <td>Flat Branch</td> <td>Surcharged</td> <td>Reduce I&I</td> <td>7/9/2015</td> <td></td>							х		1.56	24 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/9/2015	
07/20/15 7:50 AM Utility Staff 1700 Forum 5G10 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 111 Spring Valley 3F95 x 2.44 7 hrs. unknown unknown Merideth Surcharged Reduce l&l 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 501 Spring Valley 3F61 x 2.44 7 hrs. unknown Merideth Surcharged Reduce l&l 7/20/2015 1:45 PM 07/20/15 8:15 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown Plat Branch Surcharged Reduce l&l 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce l&l 7/20/2015 1:45 PM 07/30/15				1400 E Buisness Loop	4P59		х		1.56	24 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/9/2015	1:25 PM
07/20/15 8:00 AM Utility Staff 111 Spring Valley 3F95 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:00 AM Utility Staff 501 Spring Valley 3F61 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:15 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/30/15 2:15 PM Citizen Clear Creek Force Main broken main x n/a n/a n/a unknown unknown Unknown Bear Creek broken main main repaired 7/30/2015 2:15 PM 08/23/15					5G10	\vdash	х		2.44	7 hrs.	unknown	unknown	Flat Branch		Reduce I&I	7/20/2015	
07/20/15 8:00 AM Utility Staff 501 Spring Valley 3F61 x 2.44 7 hrs. unknown Merideth Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 8:15 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce I&I 7/20/2015 1:45 PM 07/30/15 2:15 PM Citizen Clear Creek Force Main broken main x n/a n/a n/a unknown unknown Unknown Headuce I&I 7/20/2015 1:45 PM 08/01/15 12:45 PM Citizen Clear Creek Force Main broken main x n/a n/a unknown unknown Unknown Bear Creek broken main/roots repair main 8/1/2015 2:50 PM <				111 Spring Valley	3F95		х	-	2.44	7 hrs.	unknown	unknown	Merideth	Surcharged	Reduce I&I	7/20/2015	1:45 PM
07/20/15 8:15 AM Utility Staff 107 Pendleton 3C50 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce l&1 7/20/2015 1:45 PM 07/20/15 9:00 AM Utility Staff 310 N Garth 3B252 x 2.44 7 hrs. unknown unknown Flat Branch Surcharged Reduce l&1 7/20/2015 1:45 PM 07/30/15 2:15 PM Citizen Clear Creek Force Main broken main x n/a n/a unknown unknown Unknown Bear Creek broken main/roots repair main 8/1/2015 9:20 AM 08/23/15 4:00 PM Citzen Clear Creek Force Main broken main x n/a n/a unknown unknown Unknown broken main main repaired 7/24/2015 9:20 AM		8:00 AM			3F61		х		2.44	7 hrs.	unknown	unknown	Merideth	Surcharged	Reduce I&I	7/20/2015	1:45 PM
07/30/15 2:15 PM Citizen Clear Creek Force Main broken main x n/a n/a unknown unknown Clear Creek broken main main repaired 7/30/2015 2:15 PM 08/01/15 12:45 PM Citizen 3909 Grace Ellen 2L11 x n/a n/a unknown unknown Bear Creek broken main repaired 7/30/2015 2:15 PM 08/23/15 4:00 PM Citizen Clear Creek Force Main broken main x n/a n/a unknown unknown Clear Creek broken main main repaired 7/24/2015 9:20 AM		8:15 AM			3C50		х		2.44	7 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/20/2015	1:45 PM
07/30/15 2:15 PM Citizen Clear Creek Force Main broken main x n/a n/a unknown unknown Clear Creek broken main main repaired 7/30/2015 2:15 PM 08/01/15 12:45 PM Citizen 3909 Grace Ellen 2L11 x n/a n/a unknown unknown Bear Creek broken main/roots repair main 8/1/2015 2:50 PM 08/23/15 4:00 PM Citzen Clear Creek Force Main broken main x n/a n/a unknown unknown Unknown Clear Creek broken main main repaired 7/24/2015 9:20 AM	07/20/15	9:00 AM	Utility Staff	310 N Garth	3B252		х		2.44	7 hrs.	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	7/20/2015	1:45 PM
08/01/15 12:45 PM Citizen 3909 Grace Ellen 2L11 x n/a n/a unknown unknown Bear Creek broken main/roots repair main 8/1/2015 2:50 PM 08/23/15 4:00 PM Citzen Clear Creek Force Main broken main x n/a unknown unknown Clear Creek broken main main repaired 7/24/2015 9:20 AM				<u> </u>													
08/23/15 4:00 PM Citzen Clear Creek Force Main broken main x n/a n/a unknown unknown Clear Creek broken main main repaired 7/24/2015 9:20 AM	07/30/15	2:15 PM	Citizen	Clear Creek Force Main	broken main	х			n/a	n/a	unknown	unknown	Clear Creek	broken main	main repaired	7/30/2015	2:15 PM
08/23/15 4:00 PM Citzen Clear Creek Force Main broken main x n/a n/a unknown unknown Clear Creek broken main main repaired 7/24/2015 9:20 AM	08/01/15	12:45 PM	Citizen	3909 Grace Ellen	2L11	х			n/a	n/a	unknown	unknown	Bear Creek	broken main/roots	repair main	8/1/2015	2:50 PM
								1									
Precipitation from Sanborn Field weather station	08/23/15	4:00 PM	Citzen	Clear Creek Force Main	broken main	x			n/a	n/a	unknown	unknown	Clear Creek	broken main	main repaired	7/24/2015	9:20 AM
	Precipitation	on from San	born Field weather	station													

			F	Y 2014 Sanitary S	ewer	Over	flow	and B	ypass Summ	ary - Colun	bia Regiona	l Wastewate	er Treatment Plant - Pe	rmit No. MO-0097837			· · · · · · · · · · · · · · · · · · ·
Date	Time	Reported by	Locat	tion	S	SO	Вур	ass	Precipi	ation	Discharge	Estimate	Watershed	Cause	Corrective Action	MDNR N	otification
			Address	MH Number(s)	Dry	Wet	Dry	Wet	Inches	Duration	Duration	Volume			Completed or Needed	Date	Time
			Clear Creek Pump														
01/16/14	2:15 PM	Utility staff	Station	near 701	x				n/a	n/a	unknown	unknown	Clear Creek	Broken force main	Replace pipe	1/16/2014	3:52 PM
			4525 Old Millcreek		Г									Broken valve on force			
03/30/14	2:55 PM	Eric Lidholm	Road	n/a	x				n/a	n/a	unknown	unknown	Mill Creek	main	Replace valve	3/31/2014	10:55 AM
04/03/14	10:30 AM	Utility staff	2103 Love Joy	2K154	1	Х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	4/3/2014	2:15 PM
04/03/14	11:20 AM	Utility staff	4900 W Gillespie Rd.	10F13	\top	х			4.16	4/1-4/3	unknown	unknown	Perche Creek	Surcharged	Reduce I&I	4/3/2014	2:15 PM
04/03/14	1:15 PM	Utility staff	1507 Tupelo	2M24	1	х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	4/3/2014	2:15 PM
04/04/14	8:40 AM	Utility staff	1501 Blueridge	2K1	1	х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	8:30 AM	Utility staff	1614 Secretariat	2K42	T	х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce l&I	4/4/2014	2:25 PM
04/04/14	8:00 AM	Utility staff	Jackson St.	1A32	T	х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	8:40 AM	Leigh Lockard	409 W Walnut	3B204	T	х			4.16	4/1-4/3	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	9:15 AM	Utility staff	310 N Garth	3B252	1	Х			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	9:10 AM	Utility staff	501 Spring Valley	3F61	Т	х			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	9:25 AM	Utility staff	2601 Greenbriar Dr	5B1		Х			4.16	4/1-4/3	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	7:55 AM	Utility staff	2601 Greenbriar Dr	5B2	1	х			4.16	4/1-4/3	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	8:30 AM	Utility staff	Providence Point	5C15		х	· -		4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	2:25 PM
04/04/14	9:25 AM	Utility staff	Univ. Bottoms	5G18	1	X			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	2:25 PM

04/04/14	9:25 AM	Utility staff	Univ. Bottoms	15G26		х		-	4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	4/4/2014	2:25 P
04/04/14		Utility staff	Univ. Bottoms	5G25		X			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:30 P
04/04/14		Utility staff	Univ. Bottoms	5G81A	-	x			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:30 P
04/04/14		Utility staff	Univ. Bottoms	5G9		x		-	4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:30 P
04/04/14		Utility staff	Univ. Bottoms	5G37	1	X		-+	4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:30 P
04/04/14			Univ. Bottoms	5G10					4.16				Flat Branch		.L	1	
		Utility staff			\vdash	х		\rightarrow		4/1-4/3	unknown	unknown		Surcharged	Reduce I&I	4/4/2014	3:30 1
04/04/14		Utility staff	Univ. Bottoms	5G39		х			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:15 E
04/04/14		Utility staff	Univ. Bottoms	5G11		х			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:30
04/04/14		Utility staff	Univ. Bottoms	5G40		х			4.16	4/1-4/3	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	4/4/2014	3:15
04/04/14	7:20 AM	Utility staff	2400 Chaple Hill Rd	5K128		х			4.16	4/1-4/3	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	4/4/2014	3:15
04/04/14	7:30 AM	Utility staff	2210 Ridgefield Rd.	5L54		х			4.16	4/1-4/3	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	4/4/2014	3:15
04/04/14	7:30 AM	Utility staff	2216 Ridgefield Rd.	5L55		х			4.16	4/1-4/3	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	4/4/2014	3:15
04/04/14	8:30 AM	Utility staff	3243 S Brampton	10B1		х			4.16	4/1-4/3	unknown	unknown	Merrideth	Surcharged	Reduce I&I	4/4/2014	3:30
04/04/14		Utility staff	5338 W Bellview Dr	10A40	1-1	X		-+	4.16	4/1-4/3	unknown	unknown	Merrideth	Surcharged	Reduce I&I	4/4/2014	3:30
04/04/14		Utility staff	5338 W Bellview Dr	10A42	 	х			4.16	4/1-4/3	unknown	unknown	Merrideth	Surcharged	Reduce I&I	4/4/2014	3:30
04/04/14	8:00 AM	Utility staff	3900 Foxcreek Way	10A82	\vdash	X	-+	-+	4.16	4/1-4/3	unknown	unknown	Merrideth	Surcharged	Reduce I&I	4/4/2014	
			<u> </u>	10F9	\vdash	_		_					1				3:30
04/04/14		Utility staff	4900 W Gillespie Rd.			х			4.16	4/1-4/3	unknown	unknown	Perche Creek	Surcharged	Reduce I&I	4/4/2014	3:30
06/08/14		David Gibbons	4001 Dublin Ave.	10D20	X				n/a	n/a	unknown	unknown	Scotts Branch	Vandalism	Replace manhole lid	6/8/2014	4:55
06/14/14	2:30 PM	Tipper Bernhard	2005 Oak Cliff	10D2	х				n/a	n/a	unknown	unknown	Merideth	Roots	CIPP sewer main	6/14/2014	6:35
08/01/14		WWTP Staff	4900 W Gillespie Rd.	grit facilty	 		X		n/a	n/a	unknown	unknown	Merideth	Power Outage	Operator Training	6/2/2014	3:45
08/06/14	8:00 AM		2915 Bluegrass Ct	6N35	х				n/a	n/a	unknown	unknown	Hinkson Creek	Roots	CIPP sewer main	8/6/2014	10:30
08/15/14		PCE Construction	2801 Woodard	2B34A	х				n/a	n/a	unknown	unknown	Hinkson Creek	Broken Mh Frame	Replace frame	8/15/2014	1:35
09/02/14		Utility staff	1930 Jackson	1A30		х			5.16	9/1-9/2	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14		Utility staff	1930 Jackson	LA31		х			5.16	9/1-9/2	unknown	илкпоwп	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	12:55 PM	Utility staff	1930 Jackson	1A32		х			5.16	9/1-9/2	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	11:25 AM	Utility staff	1614 Secretariat	2K42		Х			5.16	9/1-9/2	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	11:10 AM	Utility staff	2103 Love Joy	2K154		х			5.16	9/1-9/2	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	10:55 AM	Utility staff	Rollins + Redbud	3A86		х			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	10:35 AM	Utility staff	1119 Lakeshore	3A125		х			5.16	9/1-9/2	unknown	unknown	Bear Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	11:05 AM	Utility staff	409 W Walnut	3B204		х		\neg	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:50 AM	Utility staff	501 Spring Valley	3F61		х			5.16	9/1-9/2	unknown	unknown	County House	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:45 AM	Utility staff	111 Spring Valley	3F95		х	\neg	\neg	5.16	9/1-9/2	unknown	unknown	County House	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:00 AM	Utility staff	2601 Greenbriar Dr	5B1		x	_	\neg	5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:00 AM	Utility staff	2601 Greenbriar Dr	5B2		х			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:15 AM	Utility staff	1700 Forum	5C1		x		-+	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	7:40 AM	Utility staff	Providence Point	5C15	\vdash	x			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:40 AM	Utility staff	1700 Forum	5G9	1	x		-+	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:30 AM	Utility staff	1700 Forum	5G10	-	x			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged			
09/02/14	9:30 AM	Utility staff	1700 Forum	5G11	\vdash	x	\rightarrow	-	5.16	9/1-9/2	unknown	unknown	Flat Branch		Reduce 1&1	9/2/2014	2:45
09/02/14	9:20 AM			5G12	-		-+	\dashv	5.16					Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:45 AM	Utility staff	1700 Forum	5G14		х		-+	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	9/2/2014	2:45
		Utility staff	1700 Forum		-	х				9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	9/2/2014	2:45
09/02/14	9:45 AM	Utility staff	1700 Forum	5G17	 	х			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:45 AM	Utility staff	1700 Forum	5G25	\sqcup	х			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce 1&I	9/2/2014	2:45
09/02/14	9:40 AM	Utility staff	1700 Forum	5G37		х			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:35 AM	Utility staff	1700 Forum	5G38		х		[5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce 1&I	9/2/2014	2:45
09/02/14	9:25 AM	Utility staff	1700 Forum	5G38A		х			5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce 1&1	9/2/2014	2:45
09/02/14	9:20 AM	Utility staff	1700 Forum	5G39		х		\neg	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:15 AM	Utility staff	1700 Forum	5G40		х	\neg	\neg	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce i&I	9/2/2014	2:45
09/02/14	10:45 AM	Utility staff	1700 Forum	5G81A	\Box	х		\neg	5.16	9/1-9/2	unknown	unknown	Flat Branch	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:20 AM	Utility staff	2400 Chapel Hill Rd	5K128	 	x	-+		5.16	9/1-9/2	unknown	unknown	County House	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:30 AM	Utility staff	2210 Ridgefield Rd.	5L54	\vdash	x		-1	5.16	9/1-9/2	unknown	unknown	County House	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	9:30 AM	Utility staff	2216 Ridgefield Rd.	5L55	1-	X	\rightarrow	\dashv	5.16	9/1-9/2	unknown	unknown	County House				
09/02/14	8:30 AM	Utility staff	Boulder Dr	606	 	X			5.16	9/1-9/2				Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:30 AM				-			\dashv			unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
		Utility staff	811 Boulder Dr	6026		х			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	8:30 AM	Utility staff	811 Boulder Dr	6O29A	\vdash	х			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	11:00 AM	Utility staff	4216 Forum	8G13A		х			5.16	9/1-9/2	unknown	unknown	Mill Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	11:45 AM	Utility staff	4740 Old Mill Creek	8010		х			5.16	9/1-9/2	unknown	unknown	Mill Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/03/14	11:45 AM	Utility staff	3361 Brampton Ct	10A30		х		_T	5.16	9/1-9/2	unknown	unknown	Merideth	Surcharged	Reduce I&I	9/4/2014	8:15
09/02/14	12:45 PM	Utility staff	4338 Bellview	10A40		х			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
09/02/14	12:45 PM	Utility staff	4338 Bellview	10A42		х			5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/2/2014	2:45
				10A82		x	-t	-+	5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/4/2014	8:15
09/03/14	11:15 AM	Utility staff	3900 Foxcreek Way														

09/03/14 12:30 PM Utility staff	4900 W Gillespie Rd.	10E18	х	5.16	9/1-9/2	unknown	unknown	Merideth	Surcharged	Reduce I&I	9/4/2014	8:15 AM
09/03/14 9:20 AM Utility staff	4900 W Gillespie Rd.	10F13	х	5.16	9/1-9/2	unknown	unknown	Hinkson Creek	Surcharged	Reduce I&I	9/4/2014	8:15 AM
Precipitation from Sanborn Field weather	r station											

			FY 2	013 Sanitary Sewe	r Ove	flow :	ınd Bypa	ss Summary - C	olumbia R	egional Waste	ewater Treatn	nent Plant - Permit No. MC)-0097837	M.H.A.A.	
Date	Time	Reported by	Locatio	n	SS	5 1	Bypass	Precipitation	Dischar	ge Estimate	Watershed	Cause	Corrective Action	MDNR Notificati	ion
- 1		· .	Address	MH Number(s)	Dry	Wet I	ry Wet	Inches	Duration	Volume	l		Completed or Needed	Date	Time
10/9/12	1:02 PM	Dennis Harper	5509 Highland Parkway	8F62	X			none	unknown	unknown	Mill Creek	Defective air relief valve	Replaced air relief valve	10/10/12	11:25 AM
1/29/13	6:45PM	Utility Staff	WWTP	10F13		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce I&I	1/30/13	4:00PM
1/30/13	7:45 AM	Utility Staff	WWTP	10B1		X		2.1 in.	unknown	unknown	Merideth Bra	Excessive 1&1	Reduce I&I	1/30/13	4:00PM
1/30/13	8:10AM	Utility Staff	4338 W. Bellview	10A42		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce 1&1	1/30/13	4:00PM
3/9/13	7:30PM	Cheryl Stall	1403 McKee	17M74	X			.87in.	19hrs.	unknown	Hominy Bran	Sewer main damaged	Repaired sewer main	3/10/13	4:10PM
3/11/13	9:25AM	Utility Staff	1614 Secretariat	2K42		X		3.87in.	unknown	unknown	Bear Creek	Excessive 1&1	Reduce I&I	3/11/13	2:25PM
3/11/13	8:15AM	Utility Staff	1700 Forum Blvd.	5G10		Х		3.87in.	unknown	unknown	Flat Branch	Excessive 1&1	Reduce I&I	3/11/13	2:25PM
3/11/13	8:15AM	Utility Staff	1700 Forum Blvd	5G81A		X		3,87in.	unknown	unknown	Flat Branch	Excessive l&l	Reduce I&I	3/11/13	2:25PM
3/12/13	8:30AM	Utility Staff	WWTP	10B1		X		3.87in.	unknown	unknown	Merideth Bra	Excessive 1&1	Reduce I&I	3/12/13	2:15PM
3/12/13	8:45AM	Utility Staff	4532 Bellview Dr	10A40		Х		3.87în.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	3/12/13	2:15PM
3/12/13	9:30 AM	Utility Staff	WWTP	10F9		х		3.87in.	unknown	unknown	Perche Creek	Excessive I&I	Reduce I&I	3/12/13	2:15PM
3/18/13	9:00AM	City Electic Dept	5804 Morning Star Ct.	Force Main	X			none	l hr.	5gal	Perche Creek	Force main damaged	Repaired force main	3/19/13	8:15AM
3/31/13	8:30 PM	Steve Hollis	2406 Lynnwood	5G42	X			.31 in.	unknown	unknown	Hinkson Cree	Roots at faulty service	NOV to 2408 Lynnwood	4/1/13	11:00AM
4/10/13	7:45 AM	Utility Staff	2111 Lovejoy	2K154		Х		2.1 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/11/13	1:50 PM
4/10/13	9:15 AM	Utility Staff	111 Spring Valley	3F95		X		2.1 in.	unknown	unknown	Flat Branch	Excessive 1&1	Reduce I&I	4/11/13	1:50 PM
4/10/13	8:10AM	Utility Staff	107 Pendleton	3C50		X		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13		Utility Staff	511 Spring Valley	3F61		Х		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:50AM	Utility Staff	1700 Forum Blvd.	5G40		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:55AM	Utility Staff	1700 Forum Blvd.	5G25		Х		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:50AM	Utility Staff	1700 Forum Blvd.	5G11		X		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:55AM	Utility Staff	1700 Forum Blvd.	5G17		X		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:55AM	Utility Staff	1700 Forum Blvd.	5G37		X		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:55AM	Utility Staff	1700 Forum Blvd.	5G9		х		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	10:35AM	Utility Staff	1700 Forum Blvd.	5G10		x		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	8:15AM	Utility Staff	2400 Chapel Hill Rd	5K128		x		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	8:30 AM	Utility Staff	2214 Ridgefield Rd	5L55		x		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	8:30 AM	Utility Staff	2210 Ridgefield Rd	5L54		х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:50 AM	Utility Staff	1700 Forum Blvd.	5G81A		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	10:00 AM	Utility Staff	2601 Greenbriar Dr	5B1		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	9:05AM	Utility Staff	310 S Garth	3B252		Х		2.1 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	9:40 AM	Utility Staff	1930 Jackson St.	1A32		Х		2.1 In.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/10/13	7:45 AM	Utility Staff	1614 Secretariat	2K42		Х		2.1 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce [&]	4/11/13	1:50PM
4/10/13	9:40 AM	Utility Staff	1930 Jackson St.	1A30		X		2.1 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/11/13	1:50PM
4/11/13	10:00 AM	Utility Staff	WWTP	10B1 .		X		2.1in.	unknown	unknown	Merideth Bra	Excessive I&I	Reduce I&I	4/12/13	2:10 PM
4/11/13	1:50 PM	Utility Staff	1700 Forum Blvd.	5G81A		X		2. lin.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&l	4/12/13	2:10PM
4/11/13	10:35 AM	Utility Staff	WWTP	10E3		Х		2.1 in.	unknown	unknown	Merideth Bra	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/11/13	11:30 AM	Utility Staff	4338 W Bellview Dr	10A42		X		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/11/13	11:30 AM	Utility Staff	4338 W Bellview Dr	10A40		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce I&I	4/12/13	2:10PM
4/11/13	7:45 AM	Utility Staff	WWTP	10A30		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/11/13	10:15 AM	Utility Staff	3900 Foxcreek Way	10A82		Х		2.1 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/11/13		Utility Staff	WWTP	10F9		Х		2.1in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/11/13		Utility Staff	WWTP	10B1		Х		2.1 in.	unknown	unknown	Merideth Bra	Excessive I&I	Reduce I&I	4/12/13	2:10PM
4/16/13	11:30 AM	Utility Staff	1614 Secretariat	2K42		Х		1.72 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
		Utility Staff	1201 Tupelo	2M24		Х		1.72 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	1930 Jackson St	1A30		Х		1.72 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	1930 Jackson St	1A31		Х		1.72 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	1930 Jackson St	1A32		Х		1.72 in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	Stewart Rd	3B252		Х	\Box	1.72 in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
	11:45 AM		2601 Greenbriar Dr	5B1		X		1.72 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
		Utility Staff	1700 Forum Blvd.	5G81A		Х		1.72 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
		Utility Staff	1700 Forum Blvd.	5G10		Х		1.72 in.	unknown	unknown		Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	2400 Chapel Hill RD	5K128		Х		1.72 in.	unknown	unknown		Excessive 1&1	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	2210 Ridgefield Rd	5L54		X		1.72 in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	2214 Ridgefield Rd	5L55	$oxed{L}$	Х		1.72 in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce I&I	4/17/13	8:30 AM
4/16/13		Utility Staff	WWTP	10A30		Х		1.72 in.	unknown	unknown	Merideth Bra	Excessive 1&1	Reduce I&I	4/17/13	8:30 AM
4/16/13	12:40 PM	Utility Staff	WWTP	10B1	ΙĪ	Х		1.72 in.	unknown	unknown	Merideth Bra	Excessive I&I	Reduce I&I	4/17/13	8:30 AM

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4/16/13		Utility Staff	WWTP	10B43		X		1.72 in.	unknown	unknown		Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13	2:45PM	Utility Staff	4338 W Bellview Dr	10A40		Х		1.72 in.	unknown	unknown	ļ	Excessive 1&I	Reduce I&I	4/17/13	8:30 AM
4/16/13	2:45PM	Utility Staff	4338 W Bellview Dr	10A42		X	<u> </u>	1.72in.	unknown	unknown		Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13	11:20 AM	Utility Staff	WWTP	10F9		X		1.72in.	unknown	unknown	Perche Creek	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/16/13	11:20 AM	Utility Staff	WWTP	10F13		Х		1.72in.	unknown	unknown	Perche Creek	Excessive [&]	Reduce I&I	4/17/13	8:30 AM
4/16/13	2:10 PM	Utility Staff	3900 Foxcreek Way	10A82		X		1.72in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/17/13	8:30 AM
4/18/13	1:10PM	Utility Staff	1614 Secretariat	2K42		Х		1.90 in.	unknown	unknown	Bear Creek	Excessive [&]	Reduce I&I	4/19/13	9:15AM
4/18/13	11:35AM	Utility Staff	1201 Tupelo	2M24		X		1.90in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	1930 Jackson St	1A32		X	-	1.90in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/19/13	9:15AM
		Utility Staff	1201 Buisness Loop	4P42B		x		1.90in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	310 S Garth	3B252		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I		
4/18/13			107 Pendleton	3C50		$\frac{\hat{x}}{x}$		1.90in.						4/19/13	9:15AM
		Utility Staff			\vdash		+		unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	501 Spring Valley	3F61		X	-	1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	2601 Greenbriar Dr	5B1		Х		1.90in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	1601 S Providence	5C15		X		1.90in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13	11:10AM	Utility Staff	1700 Forum Blvd.	5G18		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13	11:10AM	Utility Staff	1700 Forum Blvd.	5G26		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13	11:10AM	Utility Staff	1700 Forum Blvd.	5G17		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13	11:10AM	Utility Staff	1700 Forum Blvd.	5G25		Х		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
	11:10AM	Utility Staff	1700 Forum Blvd.	5G81A		X	\top	1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	1700 Forum Blvd.	5G9		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
		Utility Staff	1700 Forum Blvd.	5G37		x	1	1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce 1&I	4/19/13	
4/18/13	10:40AM	Utility Staff	1700 Forum Blvd.	5G10	\vdash	X	+-1	1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I		9:15AM
														4/19/13	9:15AM
4/18/13	10:40AM	Utility Staff	1700 Forum Blvd	5G11		X	+	1.90in.	unknown	unknown	Flat Branch	Excessive 1&1	Reduce I&I	4/19/13	9:15AM
		Utility Staff	1700 Forum Blvd	5G12		X	-	1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce 1&I	4/19/13	9:15AM
		Utility Staff	1700 Forum Blvd	5G39		X		1.90in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	4/19/13	9:15AM
		Utility Staff	1700 Forum Blvd	5G40		Х		1.90in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce 1&1	4/19/13	9:15AM
4/18/13	10:55AM	Utility Staff	2400 Chapel Hill Rd	5K128		X		1.90in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce 1&1	4/19/13	9:15AM
4/18/13	11:05AM	Utility Staff	2210 Ridgefield Rd	5L54		X		1.90in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce I&I	4/19/13	9:15AM
4/18/13	11:05AM	Utility Staff	2214 Ridgefield Rd	5L55		Х		1.90in.	unknown	unknown	Hinkson Cree	Excessive l&l	Reduce I&I	4/19/13	9:15AM
4/18/13	10:05AM	Utility Staff	WWTP	1081		Х		1.90in.	unknown	unknown	Merideth Brai	Excessive 1&I	Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	4338 W Bellview Dr	10A40	\neg	х	\Box	1.90in.	unknown	unknown	Hinkson Cree		Reduce I&I	4/19/13	9:15AM
			4338 W Bellview Dr	10A42		х		1,90in.	unknown	unknown	Hinkson Cree		Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	3900 Foxcreek Way	10A82		X		1.90in.	unknown	unknown	Hinkson Cree		Reduce I&I	4/19/13	9:15AM
4/18/13		Utility Staff	WWTP	10F9		X	+	1.90in.	unknown	unknown	Perche Creek		Reduce I&I		
4/18/13		Utility Staff	WWTP	10F13		X		1.90in.	unknown					4/18/13	3:40PM
					V	^ +-	+			unknown	Perche Creek	Excessive I&I	Reduce I&l	4/18/13	3:40PM
4/22/13		Utility Staff	326 Proctor	1B13	X		-	none	unknown	unknown	Bear Creek	unknown	None	4/23/13	8:25AM
5/27/13	3:00PM	Utility Staff	501 Spring Valley	3F61		X		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	107 Pendleton	3C50		Х		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	310 S Garth	3B252		Х		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce 1&1	5/28/13	1:45PM
5/28/13		Utility Staff	1614 Secretariat	2K42		X		2.29in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&1	5/28/13	1:45PM
5/28/13	8:05AM	Utility Staff	Redbud&Rollins	3A86		X		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
/28//2013	8:15AM	Utility Staff	2601 Greenbriar Dr	5B1		X		2.29in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13	8:15AM	Utility Staff	2601 Greenbriar Dr	5B2		X		2.29in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13	7:45AM	Utility Staff	1700 Forum Blvd.	5G81A	\Box	х		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	1700 Forum Blvd.	5G9		х		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5//28/2013	1:45PM
5/28/13		Utility Staff	1700 Forum Blvd.	5G37		X		2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	1700 Forum Blvd.	5G10		x	┼─┤	2.29in,	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	1700 Forum Blvd.	5G11	\vdash	X	+-+	2.29in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	5/28/13	
5/28/13		Utility Staff	1700 Forum Blvd.	5G40		$\frac{\hat{x}}{x}$	+	2.29in. 2.29in.							1:45PM
							+-+		unknown	unknown	Hinkson Cree		Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	2400 Chapel Hill Rd	5K128		X	\vdash	2,29in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	2210 Ridgefield Rd	5L54	$\vdash \dashv$	X	 	2.29in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	5/28/13	1:45PM
5/28/13		Utility Staff	2216 Ridgefield Rd	5L.55	 	X	↓	2.29in.	unknown	unknown	Hinkson Cree		Reduce I&I	5/28/13	1:45PM
5/29/13		Utility Staff	3243 S Brampton Ct	10B t		Х	↓	2.29in.	unknown	unknown	Merideth Bra		Reduce I&I	5/29/13	9:15AM
5/29/13		Utility Staff	4900 W. Gillespie Bridge	10F13		X	↓	2.29in.	unknown	unknown	Perche Creek	Excessive I&I	Reduce I&I	5/29/13	9:15AM
5/29/13		Utility Staff	4338 W Bellview Dr	10A40		X	I	2.29in.	unknown	unknown	Hinkson Cree	Excessive l&I	Reduce I&I	5/29/13	9:15AM
5/29/13		Utility Staff	4900 W. Gillespie Bridge	10F9	\Box	X		2.29in.	unknown	unknown	Perche Creek	Excessive I&I	Reduce I&I	5/29/13	9:15AM
5/29/13	7:45AM	Utility Staff	WWTP	10E18		Х		2.29in.	unknown	unknown	Merideth Bran	Excessive I&I	Reduce I&I	5/29/13	9:15AM
		Utility Staff	3900 Foxcreek Way	10A82	\dashv	х	\Box	2.29in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	5/29/13	9:15AM
5/29/13	8:30AM					х	1-1	4.41in.	unknown	unknown	Flat Branch	Excessive 1&1	Reduce I&I	5/31/13	2:00PM
	8:30AM 11:30AM		401 Melbourne	40130	1										
5/29/13 5/31/13	11:30AM	Utility Staff	401 Melbourne 1507 Tupelo	4O130 2M24	\dashv							Excessive I&I	Radica 1&1		
5/29/13 5/31/13 5/31/13	11:30AM 3:00PM	Utility Staff Utility Staff	1507 Tupelo	2M24		Х	\Box	4.41in.	unknown	unknown	Bear Creek	Excessive I&I	Reduce I&I	5/31/13	2:00PM
5/29/13 5/31/13 5/31/13 5/31/13	11:30AM 3:00PM 1:05PM	Utility Staff Utility Staff Utility Staff	1507 Tupelo Rollins & Redbud	2M24 3A86		X X		4.41in. 4.41in.	unknown unknown	unknown unknown	Bear Creek Flat Branch	Excessive I&I	Reduce I&I	5/31/13 5/31/13	2:00PM 2:00PM
5/29/13 5/31/13 5/31/13	11:30AM 3:00PM 1:05PM 1:05PM	Utility Staff Utility Staff	1507 Tupelo	2M24		Х		4.41in.	unknown unknown unknown	unknown	Bear Creek Flat Branch Flat Branch			5/31/13	2:00PM

\$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$3,000 \$																
Section Colors Section Colors Section Sectio	5/31/13 2:	:30PM	Utility Staff	301 N. Providence	3C33		х	777	4.41in.	unknown	unknown	Flat Branch	Excessive [&]	Reduce I&I	5/31/13	2:45PM
Section Sect	5/31/13 2:	:30PM	Utility Staff		3C50		х		4.41in.	unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I		2:00PM
\$591173 1099PM, Ultility Staff 11 1594PM, Ultility Staff 12 1594PM, Ultility Staff									4.41in.	unknown	unknown	Flat Branch	Excessive I&I			2:00PM
593103 12999M (Dillay Staff 01 Encircente 360 X									4.41in.	unknown	unknown					2:00PM
Section Color Co						\vdash										2:00PM
Section 1.00PM, Dulley Staff 120 E. Act.																2:00PM
\$551101 \$151990 Dulley Sart 712 Wilkes Birds \$4777						\vdash										2:00PM
Section Daily Staff Daily Daily Staff Daily Daily Staff Daily Daily Daily Staff Daily Da						\vdash		-								
Secondary Ed. Proceedings Control Co				· · · · · · · · · · · · · · · · · · ·												
69713 \$590.00 Ulays Saff 1909 Jacksonn 1.672 X						\vdash		-								
66/11 61/14 6														 		2:00PM
67313 613AM Utility Staff 1014 Secretaria; 2542 X 4.41 unknown unknown Bear Coek Economic 181 Reduce 181 60/13 2:30 67313 815AM Utility Staff 110 Lateshor Dr. 3/125 X 4.41 unknown unknown Bear Coek Economic 181 Reduce 181 60/13 2:30 67313 815AM Utility Staff 110 Lateshor Dr. 3/125 X 4.41 unknown unknown Bear Coek Economic 181 Reduce 181 60/13 2:30 67313 815AM Utility Staff 110 Lateshor Dr. 3/125 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 815AM Utility Staff 101 N Careh 38222 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 101 N Careh 38222 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 38222 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 38222 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 38222 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X 4.41 unknown unknown Bear Dr. 2 Economic 181 Reduce 181 60/13 2:30 67313 1025AM Utility Staff 100 N Careh 3822 X																2:30PM
66713 51304M Ulily Suff 2101 Love)py 2K154 X																2:30PM
69713 \$130AM (Unity Staff 1110 Lakebore Dr. 3A125 X 4-41 unit nonverse Flash Branch 200 Control 110 Co						\vdash		\perp								2:30PM
66713 830Mc Utility Staff 213 W. Parkway 38141 X																2:30PM
66713 830AM (Uliu) Staff 10 N. Carth 18452 X														· · · · · · · · · · · · · · · · · · ·		2:30PM
69/13 30/30AM Ultilly Staff 710 Morninguise Dr. 490 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 30/30AM Ultilly Staff 2001 Greenbriar Dr. 582 X 4.4 lin. unknown unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/9 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/9 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/10 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1700 Forms BM. 50/11 X 4.4 lin. unknown unknown Hinkson Cred Excessive 16.1 Reduce 16.1 69/13 2.30 69/13 50/30AM Ultilly Staff 1900 Fo				215 W. Parkway						unknown	unknown	Flat Branch	Excessive I&I	Reduce 1&1	6/3/13	2:30PM
69/11 3-30AM Ulisiy Staff 2-00 Generativa Dr. 381 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 507 X 4-4 Ilin unknown unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 69/13 3-30AM Ulisiy Staff 1700 Forum Blvd. 5073 X 4-4 Ilin unknown Hinkson Cree Excessive 18.1 Reduce 18.1 69/13 2-30 6		:30AM	Utility Staff	310 N. Garth						unknown	unknown	Flat Branch	Excessive I&I	Reduce I&I	6/3/13	2:30PM
66/13 3030AM Ulisily Staff 700 Forms Blvd. 501 X	6/3/13 10):30AM	Utility Staff	710 Morningside Dr.	4150		х		4.41in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
66/11 3 805AM Ulisity Staff Providence Pt SC15 X	6/3/13 7:	:30AM	Utility Staff	2601 Greenbriar Dr	5B1		X		4.41in.	unknown	unknown	Hinkson Cree	Excessive I&1	Reduce 1&1	6/3/13	2:30PM
69/13 8/05AM Ulaiky Staff Providence Pt SC15 X 4.4 lin. unknown unknown Unkno	6/3/13 7:	:30AM	Utility Staff	2601 Greenbriar Dr	5B2		х		4.41in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
69/13 9-00 AM Unity Staff 1700 Forum BNU. 500 X	6/3/13 8:			Providence Pt.	5C15		X		4.41in.	unknown	unknown	Hinkson Cree	Excessive 1&1	Reduce I&I	6/3/13	2:30PM
66/31/3 93-00AU Unitsy Staff 1700 Forum Blvd. 5G11 X 4.41 in. unknown minknown mink	6/3/13 9:	40 AM	Utility Staff	1700 Forum Blvd,	5G9		X		4.41in.	unknown	unknown	Flat Branch	Excessive I&I			2:30PM
69/13 930AM Ulilly Staff 1700 Forma Blvd. 5511 X 4.41h. unknown unknown unknown land 1700 Forma Blvd. 5511 X 4.41h. unknown unknown land 1700 Forma Blvd. 5517 X 4.41h. unknown unknown unknown land 1700 Forma Blvd. 5517 X 4.41h. unknown unknow				1700 Forum Blvd.	5G10				4.4 Lin.	unknown						2:30PM
69/13 920AM Uliky Staff 1700 Forum Blvd. 5018 X 4.41 in. unknown unkno					5G11				4.41in.	unknown						2:30PM
G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G18 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G25 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G25 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G38 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G38 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G38 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G38 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G39 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G40 X 4.4-lin. unknown unknown Flat Branch Excessive I&I Reduce I&I 65/13 2-30 G9/13 9-50AM Utility Staff 700 Forum Bilvd. 5G40 X 4.4-lin. unknown unknown Hilliston Cree Excessive I&I Reduce I&I 65/13 2-30 G9/13 7-55AM Utility Staff 2400 Chapel Hill Rd 5.5-4 X 4.4-lin. unknown unknown Hilliston Cree Excessive I&I Reduce I&I 65/13 2-30 G9/13 8-20AM Utility Staff 210 Reduce I&I 65/13 2-30 G9/13 8-20AM Utility Staff 210 Reduce I&I 65/13 2-30 G9/13 9-40AM Utility Staff 210 Reduce I&I 65/13 2-30 G9/13 9-40AM Utility Staff 210 Reduce I&I 65/13 2-30 G9/13 9-40AM Utility Staff 4740 S. OH Milleresk 8010 X 4.4-lin. unknown unknown Hilliston Cree Excessive I&I Reduce I&I 65/13						\vdash		+								2:30PM
69/13 9350AM Utility Staff 1700 Forum Blvd. 5018 X 4.41in. unknown unknown Hab Branch Excessive 1&1 Reduce 1&1 69/13 2.30						\vdash		+						<u> </u>		
69/13 9-30AM Utility Staff 1700 Forum Blvd. 5037 X 4-4 lin. unknown unknown Flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5038 X 4-4 lin. unknown unknown Flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5038 X 4-4 lin. unknown unknown Flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5039 X 4-4 lin. unknown unknown Flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5039 X 4-4 lin. unknown unknown Flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5040 X 4-4 lin. unknown unknown flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5040 X 4-4 lin. unknown unknown flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/13 9-30AM Utility Staff 1700 Forum Blvd. 5040 X 4-4 lin. unknown unknown flat Branch Excessive 1&1 Reduce 1&1 69/13 2-30 69/						\vdash						·				
69/31 9-40AM Utility Staff 1700 Forum Blvd. 5038 X 4.4 lin. unknown																
69/313 9-30AM Utility Staff 1700 Forum Blvd. 5G38 X 4.4 lin. unknown unknown Plat Branch Excessive I&I Reduce I&I 69/313 2-30	\longrightarrow	-				\vdash										
6/3/13 9-30AM Utility Staff 1700 Forum Blvd. 5G38A X 4.41 1.0 unknown unknown Flat Branch Excessive I&I Reduce I&I 6/3/13 2:30 6/3/13 9:20AM Utility Staff 1700 Forum Blvd. 5G40 X 4.41 1.0 unknown unknown unknown Halb Branch Excessive I&I Reduce I&I 6/3/13 2:30 6/3/13 10:10AM Utility Staff 1700 Forum Blvd. 5G40 X 4.41 1.0 unknown unknown Halb Branch Excessive I&I Reduce I&I 6/3/13 2:30 6/3/13 10:10AM Utility Staff 1700 Forum Blvd. 5G81A X 4.41 1.0 unknown								-								2:30PM
63/13 9:30AM Utility Staff 1700 Forum Blvd. 5039 X						\vdash		+								2:30PM
63713 020AM Utility Staff 1700 Forum Blvd. 5G40 X 4.41in. unknown unknown Hinkson Cree Excessive I&I Reduce I&I 63713 2:30						\vdash										2:30PM
63/13 0:10AM Utility Staff 1700 Forum Bilvd SG81A X 4.41in unknown unknown File Branch Excessive I&I Reduce I&I 674/13 2:200 63/13 7:35AM Utility Staff 1606 Stoney Brook 51.2 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 7:50AM Utility Staff 1606 Stoney Brook 51.2 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 7:50AM Utility Staff 210 Ridgefield Rd 51.54 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 8:20AM Utility Staff 216 Ridgefield Rd 51.55 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 8:20AM Utility Staff 811 Boulder Dr. 6029 A X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 8:20AM Utility Staff 7470 S. Old Milleres 8010 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 8:20AM Utility Staff 4740 S. Old Milleres 8010 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 7:55AM Utility Staff 4740 S. Old Milleres 8010 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 673/13 2:301 63/13 7:55AM Utility Staff 4740 S. Old Milleres 8010 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 63/13 1:201 63/13 7:55AM Utility Staff 4740 S. Old Milleres 8010 X 4.41in unknown unknown Unknown Hinkson Cree Excessive I&I Reduce I&I 63/13 1:201 63/13 7:55AM Utility Staff 4338 W Bellview Dr 10A42 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 63/13 1:201 63/13 7:55AM Utility Staff 4338 W Bellview Dr 10A42 X 4.41in unknown unknown Hinkson Cree Excessive I&I Reduce I&I 63/13 1:201 63/13 7:55AM						\Box										2:30PM
63/13 3:30AM Utility Staff 1606 Stoney Brook 51.2 X 4.4 lin. unknown unknown unknown Hinkson Cree Excessive &l. Reduce &l. 6/3/13 2:301 6/3/13 8:30AM Utility Staff 2210 Ridgefield Rd 51.54 X 4.4 lin. unknown unknown Hinkson Cree Excessive &l. Reduce &l. 6/3/13 2:301 6/3/13 8:30AM Utility Staff 2210 Ridgefield Rd 51.55 X 4.4 lin. unknown unknown Hinkson Cree Excessive &l. Reduce &l. 6/3/13 2:301 6/3/13 8:20AM Utility Staff 2216 Ridgefield Rd 51.55 X 4.4 lin. unknown unknown Hinkson Cree Excessive &l. Reduce &l. 6/3/13 2:301 6/3/13 8:20AM Utility Staff 81 Boulder Dr. 6029 X 4.4 lin. unknown unknown unknown unknown Utility Staff 81 Boulder Dr. 6029 X 4.4 lin. unknown unknown unknown Utility Staff 4740 S. Old Millerek 8010 X 4.4 lin. unknown Un								_								2:30PM
6/3/13 8:30AM Utility Staff 1606 Stoney Brook 51.2 X 4.4 lin. unknown unknown Hinkson Cree Excessive L&l Reduce L&l 6/3/13 2:30															6/3/13	2:30PM
6/3/13 7:50AM Utility Staff 2210 Ridgefield Rd 51.54 X 4.4 lin. unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/3/13 2:30 6/3/13 8:20AM Utility Staff 2216 Ridgefield Rd 51.55 X 4.4 lin. unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/3/13 2:30 6/3/13 8:20AM Utility Staff 811 Boulder Dr. 6006 X 4.4 lin. unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/3/13 2:30 6/3/13 8:20AM Utility Staff 811 Boulder Dr. 6029A X 4.4 lin. unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/3/13 2:30 6/3/13 9:40AM Utility Staff 4740 S. Old Milleres 8010 X 4.4 lin. unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/3/13 2:30 6/4/13 7:25AM Utility Staff WTP 10A30 X 4.4 lin. unknown unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/4/13 1:20 6/4/13 8:15AM Utility Staff 4338 W Bellview Dr 10A40 X 4.4 lin. unknown unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/4/13 1:20 6/4/13 8:15AM Utility Staff 4338 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/4/13 1:20 6/4/13 7:30AM Utility Staff 4338 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/4/13 1:20 6/4/13 7:30AM Utility Staff 4398 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown unknown Hinkson Cree Excessive I&l Reduce I&l 6/4/13 1:20 6/4/13 7:30AM Utility Staff 4398 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown Utility Staff 4398 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown Utility Staff 4398 W Bellview Dr 10A42 X 4.4 lin. unknown unknown unknown Utility Staff 4398 W Bellview Dr 10A42 X 4.4 lin. unknown unknown Utility Staff 4398 W Bellview Dr										unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
63/13 8:05AM Utility Staff 2216 Ridgefield Rd 51.55 X 4.4 lin. unknown unknown Hinkson Cree Excessive L&l Reduce L&l 66/3/13 2:301										unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
6/3/13 8.20AM Utility Staff 811 Boulder Dr. 6O6 X 4.41in. unknown Un	6/3/13 7:	:50AM	Utility Staff	2210 Ridgefield Rd					4.4 l in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
6/3/13 8:20 AM Utility Staff 811 Boulder Dr. 6029 A X 4.4 lin. unknown		:05AM	Utility Staff	2216 Ridgefield Rd	5L55		Х		4.4 lin.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
63/13 8:20AM Utility Staff 811 Boulder Dr. 6029A X 4.41in. unknown unknown unknown Hinkson Cree Excessive I&I Reduce I&I 63/13 2:30	6/3/13 8:	:20AM	Utility Staff	811 Boulder Dr.	6O6		X		4.41in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I	6/3/13	2:30PM
6/3/13 9:40 AM Utility Staff 4740 S. Old Millcreek 8010 X 4.4 lin. unknown unknown mill Creek Excessive l&l Reduce l&l 6/3/13 2:30	6/3/13 8:	:20AM	Utility Staff	811 Boulder Dr.	6O29A		Х		4.41in.	unknown	unknown	Hinkson Cree	Excessive I&I	Reduce I&I		2:30PM
6/4/13 7:25AM Utility Staff 4900 W. Gillespie Bridge 10F10 X 4.4 lin. unknown unknown unknown with the control of the con	6/3/13 9:	:40AM	Utility Staff	4740 S. Old Millcreek	8O10		х		4.41in.	unknown	unknown	Mill Creek	Excessive I&I	Reduce I&I		2:30PM
6/4/13 7:55AM Utility Staff WWTP 10A30 X 4.4 lin. unknown unknown unknown unknown thinkson Cree Excessive Et Reduce Et 6/4/13 1:20 6/4/13 1:30	6/4/13 7:	:25AM	Utility Staff	4900 W. Gillespie Bridge	10F10		х		4.41in.	unknown	unknown		Excessive I&I	Reduce I&I		1:20PM
6/4/13 8:15AM Utility Staff					10A30											1:20PM
6/4/13 8:15AM Utility Staff 4338 W Bellview Dr 10.442 X 4.41in. unknown unknown unknown Hinkson Cree Excessive L&L Reduce L&L 6/4/13 1:201																1:20PM
6/4/13 7:40AM Utility Staff 3900 Foxcreek Way 10A82 X 4.41in. unknown																1:20PM
6/4/13 7:30 AM Utility Staff WWTP 10B1 X 4.4 lin, unknown unknown Merideth Braf Excessive I&I Reduce I&I 6/4/13 1:201																
6/4/13 7:40AM Utility Staff WWTP 10B43 X 4.41in. unknown unknown unknown Merideth Braf Excessive I&I Reduce I&I 6/4/13 1:201						\vdash										1:20PM
6/4/13 7:35AM Utility Staff WWTP 10E3 X 4.41in. unknown unknown Merideth Bra Excessive I&1 Reduce I&1 6/4/13 1:201																1:20PM
6/4/13 7:30 AM Utility Staff 4900 W. Gillespie Bridge 10F9 X 4.4 lin. unknown unknown Perche Creek Excessive & Reduce & 6/4/13 1:201						$\vdash \vdash$		\dashv								1:20PM
6/4/13 7:15AM Utility Staff 4900 W. Gillespie Bridge 10F13 X 4.41in. unknown unknown Perche Creek Excessive l&l Reduce l&l 6/4/13 1:201																1:20PM
671/2013 3:00PM Utility Staff 2116 Hunter Ln. 2L.19 X 4.41in. unknown unknown Bear Creek Excessive t&I Reduce t&I 677/13 3:201						ļļ										1:20PM
6/11/13 2:00PM Utility Staff Research Park+ Provd. SC14 X 4.41in. unknown unknown Hinkson Cree Excessive & Reduce & 6/11/13 11:50						 							·			1:20PM
6/28/13 2:30 PM Jerod Thornhill 711 Wolf Trail 18P40 X none unknown unknown Hominy Bran Sag in line Repaired sewer main 6/28/13 4:55 7/3/13 7:50 PM WWTP WWTP X none 5 min. unknown Unknown Hinkson Cree SCADA malfunctioned change programming 7/4/13 11:50 8/7/13 9:00 AM Sewer Maint. 3201 Blackberry 6J33 X none unknown unknown Unknown Grindstone Sewer main damaged Repaired sewer main 8/7/13 1:451 9/18/13 10:54 PM WWTP WWTP X none 3 min. unknown Hinkson Cree SCADA malfunctioned change programming 9/19/14 8:40/						<u> </u>										3:20PM
7/3/13 7:50PM WWTP WWTP X none 5 min. unknown Hinkson Cree SCADA malfunctioned change programming 7/4/13 11:50 8/7/13 9:00AM Sewer Maint. 3201 Blackberry 6J33 X none unknown unknown Unknown Grindstone Sewer main damaged Repaired sewer main 8/7/13 1:451 9/18/13 10:54PM WWTP WWTP X none 3 min. unknown Hinkson Cree SCADA malfunctioned change programming 9/19/14 8:40/19/18/13 10:54PM WWTP WWTP WWTP X none 3 min. unknown Hinkson Cree SCADA malfunctioned change programming 9/19/14 8:40/19/18/13 10:54PM WWTP WWTP WWTP NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE							X							 		11:50AM
8/7/13 9:00AM Sewer Maint. 3201 Blackberry 6J33 X none unknown unknown Grindstone Sewer main damaged Repaired sewer main 8/7/13 1:451 9/18/13 10:54PM WWTP WWTP X none 3 min. unknown Hinkson Cree SCADA malfunctioned change programming 9/19/14 8:40/1					18P40									Repaired sewer main		4:55 PM
9/18/13 10:54PM WWTP WWTP X none 3 min. unknown Hinkson Cree SCADA malfunctioned change programming 9/19/14 8:40.														change programming		11:50AM
Tituloti Cioloci Di Stationali Di Branchia Di Stationali D					6J33				none					Repaired sewer main	8/7/13	1:45PM
Precipitation from Sanborn Field weather station				L		X			none	3 min.	unknown	Hinkson Cree	SCADA malfunctioned	change programming	9/19/14	8:40AM
	Precipitation f	from San	born Field weather	station												

			FY 2	012 Sanitary Sewe	r Overflo	w and By	oass Summary - C	olumbia Ro	gional Waste	ewater Treati	ment Plant - Permit No. MC)-0097837		
Date	Time	Reported by	Locatio	n	SSO	Bypass	Precipitation	Discharg	ge Estimate	Watershed	Cause	Corrective Action	MDNR Notification	on
			Address	MH Number(s)	Dry We	t Dry W	t Inches	Duration	Volume			Completed or Needed	Date	Time
10/24/11	1:30 PM	Lampkin (WWTP)	Clearview Pump Station	Force main	X		none	unknown	1,000 gal	Bear Creek	pressure relief valve	replace valve	10/24/11	2:50 PM

1/10/12 8:15 AM Resident 1500 Bus Loop 70 E 4L3-4L2 X	2:40 PM 11:50 AM 12:48 PM 3:16 PM 1:10 PM 3:00 PM 9:00 AM 10:00 AM 10:00 AM
12/30/11 9.40 AM Jim Elliott 2702 Bayonne 3M26-3M27 X none unknown < 10 gal County House debris in sewer cleaned sewer 10/30/11 16/12 1:02 PM Jim Rabadan 4870 Discovery Dr 7D force main X none unknown < 100 gal Bear Creek structural failure repaired sewer 11/01/12 17/01/2 8:15 AM Cluity Staff WWTP 10E18 X 1.42 8-12 hrs unknown werdeth Bra Excessive I & I Reduce I& 3/21/12 13/21/12 8:15 AM Utility Staff WWTP 10E18 X 1.95 unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown vertex Excessive I & I Reduce I& 3/21/12 13/21/12 10:30 AM Utility Staff TOO Forum 5G10 X 1.95 unknown unknown Hat Branch Excessive I & I Reduce I& 3/22/12 13/21/12 12:40 PM Utility Staff Chapel Hill Rd. 5K128 X 1.95 unknown Unkn	12:48 PM 3:16 PM 1:10 PM 3:00 PM 9:00 AM 10:00 AM
1/6/12 1:02 PM Jim Rabadan 4870 Discovery Dr 7D force main X	3:16 PM 1:10 PM 3:00 PM 9:00 AM 10:00 AM
1/10/12 8:15 AM Resident 1500 Bus Loop 70 E 4L3-4L2 X	1:10 PM 3:00 PM 9:00 AM 10:00 AM
2/3/12 9:11 AM Utility Staff WWTP 10E18 X 1.42 8-12 hrs unknown Merideth Bra Excessive I & I Reduce I & I 2/9/12 2/22/12 3:00 PM Lampkin (WWTP) 3609 Paris Rd Force main X none unknown <50 gal Bear Creek structural failure repaired sewer 2/23/12 2:15 AM Utility Staff WWTP 10E18 X 1.95 unknown unknown Merideth Bra Excessive I & I Reduce I & 3/21/12 3/21/12 3:15 AM Utility Staff WWTP 10F19 X 1.95 unknown unknown unknown Perche Creek Excessive I & I Reduce I & 3/21/12 3/21/12 3:15 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown unknown Perche Creek Excessive I & I Reduce I & 3/21/12 3/21/12 3/21/12 3:30 AM Utility Staff 4338 W Bellview Ct. 10.442 X 1.95 unknown unknown unknown Hinkson Cree Excessive I & I Reduce I & 3/21/12 3/21/12	3:00 PM 9:00 AM 10:00 AM
3/21/12 8:15 AM Utility Staff WWTP 10E18 X 1.95 unknown unknown Merideth Bra Excessive & Reduce & 3/21/12	9:00 AM 10:00 AM
3/21/12 8:15 AM Utility Staff WWTP 10F9 X 1.95 unknown unknown Perche Creek Excessive & Reduce & 3/21/12	
3/21/12 8:15 AM Utility Staff WWTP 10F13 X 1.95 unknown unknown Perche Creek Excessive & Reduce & 3/21/12	10.00 444
3/21/12 8:30 AM Utility Staff 4338 W Bellview Ct. 10A42 X 1.95 unknown unknown unknown Hinkson Cree Excessive I & I Reduce I& 3/21/12	TO TO AIM
3/21/12 10:30 AM Utility Staff 1700 Forum 5G10 X 1.95 unknown unknown Flat Branch Excessive I & I Reduce I& 3/21/12 3/21/12 12:50 PM Utility Staff Chapel Hill Rd. 5K128 X 1.95 unknown Unknown	10:00 AM
3/21/12 8:45 AM Utility Staff WWTP 10B1 X 1.95 unknown unknown Merideth Bra Excessive & Reduce & 3/22/12	10:00 AM
3/21/12 12:50 PM Utility Staff Chapel Hill Rd. SK128 X 1.95 unknown unknown County Hous Excessive I & I Reduce I& 3/22/12	10:30 AM
3/21/12 12:40 PM Utility Staff Ridgefield Road SL54 X 1.95 unknown unknown County Hous Excessive I & I Reduce I& 3/22/12 3/21/12 12:42 PM Utility Staff Ridgefield Road SL55 X 1.95 unknown unknown County Hous Excessive I & I Reduce I& 3/22/12 4/33/12 8:45 AM Utility Staff WWTP 10E18 X 0.88 unknown unknown Merideth Bra Excessive I & I Reduce I& 4/16/12 4/30/12 7:45 AM Utility Staff WWTP 10E18 X 2.46 unknown unknown Merideth Bra Excessive I & I Reduce I& 4/30/12 4/30/12 7:45 AM Utility Staff 1700 Forum 5G10 X 2.46 unknown unknown Flat Branch Excessive I & I Reduce I& 4/30/12 4/30/12 7:45 AM Utility Staff 1700 Forum 5G7A X 2.46 unknown unknown Flat Branch Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown Unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown unknown Unknown County Hous Excessive I & I Reduce I& 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road SL54 X 2.46 unknown Unknown Unknown County Hous Excessive	8:45 AM
3/21/12 12:42 PM Utility Staff Ridgefield Road SL55 X 1.95 unknown U	8:45 AM
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4/30/12 7:30 AM Utility Staff WWTP 10E18 X 2.46 unknown unknown Merideth Bra Excessive 1 & 1 Reduce 1&1 4/30/12 4/30/12 7:45 AM Utility Staff 1700 Forum 5G10 X 2.46 unknown unknown Hat Branch Excessive 1 & 1 Reduce 1&1 4/30/12 4/30/12 8:45 AM Utility Staff Chapel Hill Rd. 5K128 X 2.46 unknown unknown Flat Branch Excessive 1 & 1 Reduce 1&1 4/30/12 4/30/12 8:50 AM Utility Staff Chapel Hill Rd. 5K128 X 2.46 unknown unknown Unknown County House Excessive 1 & 1 Reduce 1&1 4/30/12 4/30/12 8:50 AM Utility Staff Reduce 1&1 4/30/12 4/30/12 4/30/12 8:50 AM Utility Staff Reduce 1&1 Reduce 1&1 4/30/12	8:45M
4/30/12 7:45 AM Utility Staff 1700 Forum 5G10 X 2.46 unknown unknown flat Branch Excessive I & 1 Reduce I & 1/30/12	9:20 AM
4/30/12 7:45 AM Utility Staff 1700 Forun 5G7A X 2.46 unknown unknown Flat Branch Excessive I & I Reduce I & 4/30/12 4/30/12 8:45 AM Utility Staff Chapel Hill Rd. 5K128 X 2.46 unknown unknown Unknown Unknown County House Excessive I & I Reduce I & 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road 5L54 X 2.46 unknown unknown Unknown County House Excessive I & I Reduce I & 4/30/12 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road 5L54 X 2.46 unknown unknown Unknown County House Excessive I & I Reduce I & 4/30/12	12:40 PM
4/30/12 8:45 AM Utility Staff Chapel Hill Rd. 5K128 X 2.46 unknown unknown Unknown Unknown County Hous Excessive I & I Reduce I & 4/30/12 4/30/12 8:50 AM Utility Staff Ridgefield Road 5L54 X 2.46 unknown unknown Unknown County Hous Excessive I & I Reduce I & 4/30/12	12:40 PM
4/30/12 8:50 AM Utility Staff Ridgefield Road 5L54 X 2.46 unknown unknown County Hous Excessive I & I Reduce I&I 4/30/12	12:40 PM
10012	12:40 PM
	12:40 PM
4/30/12 8:50 AM Utility Staff Ridgefield Road SL55 X 2.46 unknown unknown County House Excessive I & I Reduce 1&I 4/30/12	12;40 PM
4/30/12 9:45 AM Utility Staff WWTP 10B1 X 2.46 unknown unknown Merideth Brai Excessive I & I Reduce I & 4/30/12	12:40 PM
4/30/12 9:25 AM Utility Staff 4338 W Bellview Ct. 10A42 X 2.46 unknown unknown Hinkson Cree Excessive I & I Reduce 1&I 4/30/12	12:40 PM
4/30/12 10:00 AM Utility Staff	12:40 PM
4/30/12 10:30 AM Utility Staff WWTP 10F9 X 2.46 unknown unknown Perche Creek Excessive 1 & 1 Reduce 1& 4/30/12	2:40 PM
5/15/12 8:00 AM Dale Cline Clearcreek Pump Station V none 2 days 94,000 gal Clearcreek power failure repaired power 5/15/12	2:00 PM
6/1/12 4:30 PM David Bugg Hominy Branch Outfall 4B6/4B7 X none unknown 44,800 gal Hominy Bran contractor negligence repaired sewer 6/1/12	3:00 PM
7/23/12 9:15 AM Sewer Maintenance 1100 Vandiver 2M62 X none unknown unknown Bear Creek vandalism cleaned manhole 7/23/12	4:11 PM
9/11/12 7:30 AM Sorrell (WWTP) WWTP Grit Facility X none < 5 min. < 160 gal Hinkson Creel equipment failure repaired equipment 9/11/12	9:01 AM
9/28/12 8:30 AM Jacob Smith Greenbrier Trail 5B1-5B2 X none 30 minutes < 1,000 gal Hinkson Cree contractor negligence repaired sewer 9/28/12	9:15 AM
Precipitation from Sanborn Field weather station	

APPENDIX B

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			FV 2011 Sanite	ry Sawar Overflo	w one	Run	nee Summ	nory - Columbia	Dagional W	notawatan Tr	outmont Plant Do	rmit No. MO-0097837			
Date	Time	Reported by	Location			SO	Bypas			e Estimate	Watershed	T	T	MEDAUDA	
- Date	1	Reported by	Address	MH Numbers(s)			Dry W	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Discharg	Volume	watersneu	Cause	Corrective Action Completed or Needed	MDNR N	
10/25/10	6:12 PM	Carrie Rose	1401 Forum	5H56-5L99	X	****	21,5 ,1	none	15 hrs	<50 gal	Flat Branch	Damage by others	 	Date	Time
11/9/10		Garney Construction	200' west of 713 Stillwater	6N1-6O27	X		 	none	unknown	unknown	Hinkson Creek	Structural Failure	Repaired sewer	10/26/10	11:27 A
12/8/10		Sewer Crew	2103 August Briggs Dr.	19K53-19K54	$\frac{1}{x}$	_	 	none	unknown	unknown	Hinkson Creek	Vandalism	Repaired sewer Cleaned sewer main	11/9/10	3:40 PN 4:03 PN
5/25/11		Sewer Maintenance	4338 W Bellview Dr.	10A42	1	X	 	1.16	unknown	unknown	Hinkson Creek	Surcharge	Identify I & I	12/8/10	
5/25/11		Sewer Maintenance	WWTP	10F9	 	X		1.16	unknown	unknown	Perche Creek	Surcharge	Identify I & I	5/25/11 5/25/11	2:20 PN 2:20 PN
5/25/11		Sewer Maintenance	WWTP	10F13	\vdash	X	 	1.16	unknown	unknown	Perche Creek	Surcharge	Identify I & I	5/25/11	2:20 PN
5/25/11	·	Sewer Maintenance	WWTP	10B1	†	X		1.16	unknown	unknown	Merideth Branch	Surcharge	Identify I & I	5/25/11	2:20 PN
5/25/11	10:30 AM	Sewer Maintenance	WWTP	10B43	† • • • • • • • • • • • • • • • • • • •	X		1.16	unknown	unknown	Merideth Branch	Surcharge	Identify I & I	5/25/11	2:20 PM
5/25/11	4:00 PM	Sewer Maintenance	1700 Forum Blvd	5G10	╁	Х		1,7	unknown	unknown	Flat Branch	Surcharge	Identify I & I	5/25/11	4:45 PN
5/25/11	4:55 PM	Mike Larue	110 E. Stewart	3B92B	†	Х		1.7	unknown	unknown	Flat Branch	Surcharge	Identify I & I	5/26/11	9:08 AM
6/13/11		Sewer Crew	2510/2600 Quail	2E54-2E72	Х			n/a	unknown	unknown	Hinkson Creek	Roots at tap	Owner repaired tap	6/13/11	10:10 Al
6/27/11		Sewer Maintenance	1700 Forum Blvd	5G10	T	Х		2,04	unknown	unknown	Flat Branch	Surcharge	Identify I & I	6/27/11	2:49 PM
6/27/11	9:00 AM	Sewer Maintenance	4338 W Bellview Dr.	10A42		Х		2.04	unknown	unknown	Hinkson Creek	Surcharge	ldentify I & I	6/27/11	2:49 PM
6/27/11	9:35 AM	Sewer Maintenance	WWTP	10B1		X		2.04	unknown	unknown	Merideth Branch	Surcharge	Identify I & I	6/27/11	2:49 PM
6/27/11	9:45 AM	Sewer Maintenance	WWTP	10E7		X		2.04	unknown	unknown	Hinkson Creck	Surcharge	Identify I & I	6/27/11	2:49 PM
6/27/11	9:30 AM	Sewer Maintenance	WWTP	10F9		X		2.04	unknown	unknown	Perche Creek	Surcharge	Identify I & I	6/27/11	2:49 PM
6/27/11	12:49 PM	WWTP	WWTP	10F13		X		2.04	10 min	400 gal	Perche Creek	Contractor Error	Reprimand Contractor	6/27/11	12:49 P
9/9/11	8:35 AM	Steve Wells	2800 Shingo Ct	2H70-2H69	X			n/a	unknown	unknown	Bear Creek	Negligence by contractor	Cleaned sewer main	9/9/11	9:40 AN
9/23/11	11:00 AM	Mitch Moore	500 Maplewood	3F113-3F114	X			n/a	unknown	20 gal	County House	Structural Failure	Replaced repair coupling	9/23/11	8:18 AN
9/30/11	7:15 AM	Gary Blackmore	800 Valley Court	3E68C-3E68D	X			n/a	unknown	100-150 gal	County House	Structural Failure	Replaced 6' of 6"	9/30/11	11:18 A
Precipita	tion from S	anborn Field weather st	tation		İ										

			FY 2010 Sanita	ry Sewer Overflow	v and	Ryns	es Sumi	Calamakia							
Date	Time						too ouring	iary - Columbia	Regional Wa	astewater Tr	eatment Plant - Pe	rmit No. MO-0097837			!
		Reported by	Location		SS	SO	Bypas	Precipitation		astewater Tr e Estimate	eatment Plant - Pe Watershed	rmit No. MO-0097837 Cause	Corrective Action	MDNR N	otification
			Location Address	MH Numbers(s)	SS	SO Wet		Precipitation Inches					Corrective Action Completed or Needed	MDNR N Date	otification Time
10/8/09	10:20 AM	Reported by Utility Staff	Location		SS	SO	Bypas	Precipitation	Discharg	e Estimate			Charles the Charles and Charles and Charles		Time
10/8/09 10/8/09	-		Location Address	MH Numbers(s)	SS	SO Wet	Bypas	Precipitation Inches	Discharge Duration	e Estimate Volume	Watershed	Cause	Completed or Needed	Date	Time 1:45 PM
	10:00 AM	Utility Staff	Location Address Chapel Hill Rd	MH Numbers(s) 5K128	SS	SO Wet X	Bypas	Precipitation et Inches 5.32	Discharg Duration Unknown	Volume Unknown	Watershed County House	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09	Time 1:45 PM 1:45 PM
10/8/09 10/8/09	10:00 AM 10:00 AM	Utility Staff Utility Staff	Location Address Chapel Hill Rd Ridgefield Rd	MH Numbers(s) 5K128 5L54	SS	Wet X X	Bypas	Precipitation tet Inches 5.32 5.32	Discharg Duration Unknown Unknown	Volume Unknown Unknown	Watershed County House County House	Cause Surcharge Surcharge	Completed or Needed Identify I & I Identify I & I	Date 10/8/09 10/8/09	Time 1:45 PM 1:45 PM 1:45 PM
10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM	Utility Staff Utility Staff Utility Staff	Location Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd	MH Numbers(s) 5K128 5L54 5L55	SS	Wet X X X	Bypas	Precipitation	Discharg Duration Unknown Unknown Unknown	Volume Unknown Unknown Unknown	County House County House County House County House	Cause Surcharge Surcharge Surcharge	Completed or Needed Identify I & I Identify I & I Identify I & I	Date 10/8/09 10/8/09 10/8/09	Time 1:45 PM 1:45 PM 1:45 PM 1:45 PM
10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM	Utility Staff Utility Staff Utility Staff Utility Staff Utility Staff	Location Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd	MH Numbers(s) 5K128 5L54 5L55 8O10	SS	Wet X X X X	Bypas	Precipitation	Discharg Duration Unknown Unknown Unknown Unknown	Volume Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creek	Cause Surcharge Surcharge Surcharge Surcharge Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM	Utility Staff Utility Staff Utility Staff Utility Staff Utility Staff Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct.	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42	SS	Wet X X X X X	Bypas	Precipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32	Discharg Duration Unknown Unknown Unknown Unknown Unknown	Volume Unknown Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creck Hinkson Creck	Cause Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct.	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95	SS	Wet X X X X X X	Bypas	Precipitation	Discharg Duration Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:40 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96	SS	Wet X X X X X X X	Bypas	Precipitation	Discharg Duration Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Estimate Volume Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch Flat Branch	Cause Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:40 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharg Duration Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Estimate Volume Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch Flat Branch Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:40 AM 10:20 AM	Utility Staff	Location Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharg Duration Unknown	Estimate Volume Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch Flat Branch Flat Branch Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM 10:20 AM 10:20 AM	Utility Staff	Location Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	E Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch Flat Branch Flat Branch Flat Branch Flat Branch Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	E Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum 1700 Forum 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10 5G11	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange To 1025 LaGrange To 1700 Forum 1700 Forum 1700 Forum 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10 5G11 5G13	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10 5G11 5G13 5G14	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	E Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10 5G11 5G13 5G14 5G25	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	E Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	Time 1:45 PM
10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	10:00 AM 10:00 AM 11:35 AM 10:45 AM 10:40 AM 10:40 AM 10:20 AM	Utility Staff	Address Chapel Hill Rd Ridgefield Rd Ridgefield Rd S. Old Mill Creek Rd 4338 W Bellview Ct. 1025 LaGrange Ct 1025 LaGrange Ct 1025 LaGrange Ct 1700 Forum	MH Numbers(s) 5K128 5L54 5L55 8O10 10A42 3A95 3A96 3A125 5G8 5G9 5G10 5G11 5G13 5G14 5G25 5G40	SS	Wet X X X X X X X X X	Bypas	Frecipitation Inches 5.32 5.32 5.32 5.32 5.32 5.32 5.32 5.3	Discharge Duration Unknown	E Estimate Volume Unknown	Watershed County House County House County House Mill Creek Hinkson Creek Flat Branch	Cause Surcharge	Completed or Needed Identify I & I	Date 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09 10/8/09	

10/8/09		Utility Staff	1700 Forum	5G11A		Х	 5.32	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/9/09	3:25 PM
10/8/09		Utility Staff	1700 Forum	5G17		Х	 5.32	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/9/09	3:25 PM
10/8/09		Utility Staff	1700 Forum	5G18		Х	5.32	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/9/09	3:25 PM
10/8/09	9:30 AM	Utility Staff	1700 Forum	5G24		х	 5.32	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/8/09	1:45 PM
10/8/09		Utility Staff	1700 Forum	5G26		X	 5.32	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/9/09	3:25 PM
10/8/09	-	Utility Staff	4338 W Bellview Ct.	10A40	-	Х	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/12/09	2:20 PM
10/8/09	9:00 AM	Utility Staff	WWTP	10B1		Х	 5.32	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	10/12/09	2:20 PM
10/8/09	710011111	Utility Staff	WWTP	10B43		х	 5.32	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	10/12/09	2:20 PM
10/8/09		Utility Staff	WWTP	10E7		Х	 5,32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/13/09	3:40 PM
10/8/09		Utility Staff	WWTP	10F9	—	Х	 5.32	Unknown	Unknown	Perche Creek	Surcharge	Identify I & I	10/13/09	3:40 PM
10/8/09		Utility Staff	Aimes Dr	6O26		Х	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/21/09	8:15 AM
10/8/09		Utility Staff	Aimes Dr	606		X	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/21/09	9:45 AM
10/8/09		Utility Staff	Holly Hills Ct	5N1		Х	5,32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/22/09	11:20 AM
10/8/09		Utility Staff	Greenbrair Dr.	5B2	<u> </u>	Х	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/29/09	10:12 AM
10/8/09		Utility Staff	Greenbrair Dr.	5B1		Х	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/30/09	8:15 AM
10/8/09		Utility Staff	1930 Jackson	1A30		Х	5.32	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	10/30/09	4:15 PM
10/8/09		Utility Staff	1930 Jackson	1A31		X	 5.32	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	10/30/09	4:15 PM
10/8/09		Utility Staff	1930 Jackson	1A32		X	 5.32	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	10/30/09	4:15 PM
10/8/09		Utility Staff	Aimes Dr	6O29A		X	 5.32	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	10/21/09	8:15 AM
10/8/09		Utility Staff	Clear Creck Pump Sta	702		Х	5.32	Unknown	Unknown	Clear Creek	Surcharge	Identify I & I	12/10/09	W/DMR
10/22/09	3:50 PM	Utility Staff	1201 Stone Ct	2M24	-	Х	 1,3	Unknown	Unknown	Bear Creek	Roots/Srg	Replaced 9' of 8"/Ident I &	10/22/09	4:10 AM
1/28/10		Mike Burgess	3820 Juniper Place	7L4-7L34	X		none	3 hours	<3,000 gal	Clear Creek	Roots at tap	NOV - City Repaired tap	1/29/10	8:45 AM
2/21/10		Utility Staff	1700 Forum	5G10		X	 1,72	2 hours	Unknown	Flat Branch	Surcharge	Identify I & I	2/23/10	1:35 PM
3/19/10		Mr. Torba	2800 Bluff Dale	6F126	Х		none	3 hours	13,500 gal	Grindstone	Debris in MH	Cleaned manhole	3/19/10	1:45 PM
4/24/10		Utility Staff	1700 Forum	5G40	ļ	Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/24/10	9:24 PM
4/24/10		Utility Staff	1700 Forum	5G14		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/24/10	9:25 PM
4/24/10		Utility Staff	1700 Forum	5G39		Х	3,05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/24/10	9:26 PM
4/24/10		Utility Staff	Melbourne	40130		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/24/10	9:27 PM
4/24/10		Utility Staff	1201 Stone Ct	2M24		X	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/24/10	9:28 PM
4/24/10		Utility Staff	Ridgefield Rd	5L54		Х	3.05	Unknown	Unknown	County House	Surcharge	Identify I & I	4/24/10	9:29 PM
4/24/10		Utility Staff	Ridgefield Rd	5L55		Х	3.05	Unknown	Unknown	County House	Surcharge	Identify I & I	4/24/10	9:30 PM
4/25/10		Utility Staff	1025 LaGrange Ct	3A125		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:27 AM
4/25/10		Utility Staff	1700 Forum	5G7A	<u> </u>	X	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:28 AM
4/25/10		Utility Staff	1700 Forum	5G9		X	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:29 AM
4/25/10		Utility Staff	1700 Forum	5G10		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:30 AM
4/25/10		Utility Staff	1700 Forum	5G17		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:31 AM
4/25/10		Utility Staff	1700 Forum	5G24		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:32 AM
4/25/10		Utility Staff	1700 Forum	5G25		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:37 AM
4/25/10		Utility Staff	1700 Forum	5G37		X	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:33 AM
4/25/10		Utility Staff	1700 Forum	5G38A		Х	3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/25/10	10:34 AM
4/25/10		Utility Staff	Chapel Hill Rd	5K128		Х	3.05	Unknown	Unknown	County House	Surcharge	Identify I & I	4/25/10	10:35 AM
4/25/10		Utility Staff	S. Old Mill Creek Rd	8010		Х	3.05	Unknown	Unknown	Mill Creek	Surcharge -	Identify I & I	4/25/10	10:36 AM
4/26/10		Utility Staff	1614 Secretariat	2K42		Х	3.05	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	4/26/10	2:15 PM
4/26/10		Utility Staff	E. Rollins Rd	4150		Х	3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/26/10	2:15 PM
4/26/10		Utility Staff	Greenbrair Dr.	5B1		Х	3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/26/10	2:15 PM
4/26/10		Utility Staff	Greenbrair Dr.	5B2		Х	3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/26/10	2:15 PM
4/26/10		Utility Staff	Aimes Dr	6O29A		Х	3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/26/10	2:15 PM
4/26/10		Utility Staff	4338 W Bellview Ct,	10A40		Х	3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/26/10	2:40 PM

			,											
4/26/10	Utility Staff	409 W. Walnut	3B204		<u> </u>		3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/26/10	2:40 PM
4/26/10	Utility Staff	1700 Forum	5G13		ζ		3.05	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/26/10	4:26 PM
4/27/10	Utility Staff	Clear Creek Pump Sta	702		<		3.05	Unknown	Unknown	Clear Creek	Surcharge	Identify I & I	4/27/10	3:38 PM
4/27/10	Utility Staff	4338 W Bellview Ct.	10A42	-	<u> </u>		3.05	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	4/27/10	3:38 PM
4/27/10	Utility Staff	WWTP	10B1		<u> </u>	<u></u>	3.05	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	4/27/10	3:38 PM
5/13/10	Utility Staff	1700 Forum	5G7A		<u> </u>		1.39	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	1700 Forum	5G10	2	(<u> </u>		1.39	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	1700 Forum	5G11		<u> </u>	<u></u>	1.39	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	1700 Forum	5G12		<u> </u>		1.39	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	1700 Forum	5G25		K		1.39	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	4338 W Bellview Ct.	10A40		ζ		1.39	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	5/13/10	4:00 PM
5/13/10	Utility Staff	2604 Barrys Bluff	10F9		Κ		1.39	Unknown	Unknown	Perche Creek	Surcharge	Identify I & I	5/13/10	4:00 PM
7/7/10	Utility Staff	1930 Jackson	1A30		K		2.75	Unknown	Unknown	Bear Creck	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	1930 Jackson	1A31		K		2.75	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	1614 Secretariat	2K42	2	K		2.75	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	Lovejoy/Deer Run	2K154	2	K]		2.75	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	1201 Stone Ct	2M24	2	<		2.75	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	1025 LaGrange Ct	3A96		Κ		2.75	Unknown	Unknown	Flat Branch	Surcharge	ldentify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	409 W. Walnut	3B204	2	<		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	6 E. Stewart	3B252	2	(2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	107 Pendelton	3C50	2	(2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & 1	7/8/10	10:10 AM
7/7/10	Utility Staff	307 Melbourne	40130				2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	2:45 PM
7/7/10	Utility Staff	Greenbrair Dr.	5B2	2			2.75	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	Greenbrair Dr.	5B1		(2.75	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	1700 Forum	5G9	7			2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	3:22 PM
7/7/10	Utility Staff	1700 Forum	5G10	2			2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G17	7	ζ		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G18	2	ζ		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G25	2	<		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G26		<		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G38	2	ζ .		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G38A		<	1	2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G39	1	Κ		2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	1700 Forum	5G40				2.75	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	Chapel Hill Rd	5K128	2	ζ		2.75	Unknown	Unknown	County House	Surcharge	Identify I & I	7/9/10	10:10 AM
7/7/10	Utility Staff	Ridgefield Rd	5L54	2	<		2.75	Unknown	Unknown	County House	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	Ridgefield Rd	5L55		<	T	2.75	Unknown	Unknown	County House	Surcharge	Identify I & I	7/8/10	10:10 AM
7/7/10	Utility Staff	S. Old Mill Creek Rd	8O10	7	ζ		2.75	Unknown	Unknown	Mill Creek	Surcharge	Identify I & I	7/9/10	. 2:45 PM
7/7/10	Utility Staff	Majestic Ct.	9B10	2	ζ		2.75	Unknown	Unknown	Mill Creek	Surcharge	Identify I & I	7/8/10	3:07 PM
7/7/10	Utility Staff	WWTP	10B1	2	K		2.75	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	WWTP	10A42				2.75	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	7/8/10	2:45 PM
7/7/10	Utility Staff	WWTP	10E7		<		2.75	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	WWTP	10F9		<		2.75	Unknown	Unknown	Perche Creek	Surcharge	Identify I & I	7/9/10	11:50 AM
7/7/10	Utility Staff	Blue Ridge Rd	2K1	7	<	T	2.75	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	8/3/10	1:44 PM
7/7/10	Utility Staff	4216 Forum Blvd	8G13A	2	(2.75	Unknown	Unknown	Mill Creek	Surcharge	Identify I & I	8/3/10	1:44 PM
7/26/10	Garney Const Co	Clear Creek Pump Sta	702]	K		0.95	Unknown	<1,000 gal	Clear Creek	Surcharge	Identify I & I & Replace P	7/26/10	9:35 AM
7/26/10	Utility Staff	Clear Creek Pump Sta	7K1		Κ		0,95	Unknown	Unknown	Clear Creek	Surcharge	Identify I & I & Replace P	7/26/10	1:56 PM
7/27/10	Utility Staff	Clear Creek Pump Sta	702	7	κ		0.49	Unknown	Unknown	Clear Creek	Surcharge	Identify I & I & Replace P	7/27/10	10:45 AM

8/11/10 7:	:50 AM	Christine Rubble	2105 Woodlea	4I34-4I35	X			none	<8 hours	300 gal	Hinkson Creek	open bell	Installed short liner	8/11/10	9:23 AM
8/20/10 2:	:00 PM	Utility Staff	4338 W Bellview Ct.	10A42		Х		3.11	Unknown	Unknown	Hinkson Creek	Surcharge	ldentify I & 1	8/23/10	3:00 PM
8/20/10 2:	:00 PM	Utility Staff	Clear Creek Pump Sta	702		Х		3.11	Unknown	Unknown	Clear Creek	Surcharge	ldentify I & I	8/23/10	3:00 PM
8/20/10 2:	:00 PM	Utility Staff	1700 Forum	5G10		X		3.11	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	8/23/10	3:00 PM
9/22/10		Utility Staff	1700 Forum	5G10		X		2.17	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	10/1/10	3:05 PM
Precipitation	n from S	anborn Field weather	station												
														-	
	FY 2009 Sanitary Sewer Overflow and Bypass Summary - Columbia Regional Wastewater Treatment Plant - Permit No. MO-0097837														

FY 2009 Sanitary Sewer Overflow and Bypass Summary - Columbia Regional Wastewater Treatment Plant - Permit No. MO-0097837																
Date	Time	Reported by	Location			Ю			Precipitation	Discharge	Estimate	Watershed	Cause	Corrective Action	MDNR N	otification
			Address	MH Number(s)	Dry	Wet	Dry	Wet	Inches	Duration	Volume			Completed or Needed	Date	Time
10/28/08	12:45 PM	unknown	801 Bourn	3180-3181	Х				n/a	<30 min	<100 gal	County House Bra	Roots at Joints	Installed CIPP Liner	10/29/2008	8:10 AM
1/24/09	1:38 PM	unknown	Old63/Broadway	4J95-4J102	X				n/a	<3 hrs	<200 gal	Hinkson Creek	Roots at Tap	NOV - City Repaired	1/24/2009	8:18 PM
2/12/09	12:30 PM	Steve Seabaugh	5809 Morning Star	9E-Force Main	Х				n/a	Unknown	< 500 gal	Perche Creek	Broken Force Main	Repaired Force Main	2/13/2009	8:16 AM
2/17/09	9:15 AM	Cleaning Crew	Meadow Lark	6H11-4E50	Х				n/a	Unknown	< 100 gal	Hinkson Creek	Roots at Joints	Installed CIPP Liner	2/17/2009	11:45 AM
4/8/09	12:17 PM	Robert Young (UMC)	Discovery Ridge	7P-Force Main	Х				n/a	Unknown	< 300 gal	Gans Creek	Valve not shut	Closed partially open valv	4/8/2009	3:32 PM
4/20/09	8:28 AM	Tina Mills	1514 Mills Dr.	5L-Force Main	Х				n/a	5 days	< 300 gal	Hinkson Creek	Hole in 2" pipe	Patched hole in 2" force m	4/20/2009	11:03 AM
4/30/09	1:01 AM	Donna Head	1930 Jackson	IE7-1E6	X				3.03	< 3 hour	<200 gal	Bear Creck	Roots at Tap	NOV - Owner Repaired	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	MKT @ Stadium	3A95		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify 1 & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	MKT @ Stadium	3A96		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	Sexton/Garth	3C55		X			3.03	< 4 hours	< 1000 gal	Flat Branch	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	Garth	3C213		X			3.03	< 4 hours	< 1000 gal	Flat Branch	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	1400 Bus Loop	4P59		X			3.03	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	MKT @ Plant 2	5G8		Х			3.03	Unknown	Unknown	Flat Branch	Surcharge	ldentify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	MKT @ Plant 2	5G9		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/1/2009	8:30 AM
4/30/09		Sewer Maintenance	MKT @ Plant 2	5G10		Х			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/1/2009	8:30 AM
4/30/09		Sewer Maintenance	1700 Forum Blvd	5G25		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	1700 Forum Blvd	5G40		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	ldentify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	Chapel Hill	5K128		X			3.03	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	5/1/2009	8:30 AM
4/30/09		Sewer Maintenance	2210 Ridgefield	5L54		X			3.03	Unknown	Unknown	County House	Surcharge	ldentify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	2216 Ridgefield	5L55		Х			3.03	Unknown	Unknown	County House	Surcharge	Identify I & I	4/30/2009	3:43 PM
4/30/09		Sewer Maintenance	S Old Mill Creek	8010		X			3.03	Unknown	Unknown	Mill Creek	Surcharge	Identify I & I	5/1/2009	8:30 AM
4/30/09		Sewer Maintenance	3662 S. Scott Blvd	10A37		X			3.03	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	5/1/2009	8:30 AM
4/30/09		Sewer Maintenance	4338 W. Bellview Dr.	10A40		X			3.03	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	5/1/2009	8:30 AM
6/2/09		Sewer Maintenance	Nitong/Bethel	8D11		X			1.57	Unknown	Unknown	Mill Creek	Surcharge	Identify I & I	6/3/2009	3:45 PM
6/15/09	8:00 AM	Amber Gaddy	409 Melbourne	40130		X			2.13	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	6/15/2009	3:10 PM
6/15/09		Sewer Maintenance	4338 W. Bellview Dr.	10A42		Х			2.13	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	6/15/2009	3:10 PM
6/15/09		Sewer Maintenance	WWTP	10B1		Х			2.13	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	6/15/2009	3:10 PM
6/15/09		Sewer Maintenance	Tupelo	2M23B		X			2.13	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	6/16/2009	12:58 PM
6/15/09		Sewer Maintenance	Bus Loop 70	4P59		X			2.13	Unknown	Unknown	Bear Creek	Surcharge	Identify I & I	6/16/2009	12:58 PM
6/15/09		Sewer Maintenance	1700 Forum Blvd	5G8		X			2.13	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	6/16/2009	12:58 PM
6/15/09		Sewer Maintenance	1700 Forum Blvd	5G10		X			2.13	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	6/16/2009	12:58 PM
6/15/09		Sewer Maintenance	1700 Forum Blvd	5G25		X			2,13	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	6/16/2009	12:58 PM
7/4/09		Sewer Maintenance	1700 Forum Blvd	5G8		Х			3.04	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/4/2009	1:38 PM
7/4/09		Sewer Maintenance	1700 Forum Bivd	5G10		Х			3.04	Unknown	Unknown	Flat Branch	Surcharge	ldentify I & I	7/4/2009	1:38 PM
- 7/4/09		Sewer Maintenance	1700 Forum Blvd	5G25		Х			3.04	Unknown	Unknown	Flat Branch	Surcharge	Identify I & I	7/4/2009	1:38 PM
7/4/09		Sewer Maintenance	4338 W. Bellview Dr.	10A42		Х			3.04	Unknown	Unknown	Hinkson Creek	Surcharge	Identify I & I	7/4/2009	1:38 PM
7/4/09		Sewer Maintenance	WWTP	10B1		X			3.04	Unknown	Unknown	Merideth Branch	Surcharge	Identify I & I	7/4/2009	1:38 PM
Precipitat	ion from Sa	inborn Field weather st	ation													·

			FY 2008 Sanita	ry Sewer Overflov	v and	Bypa	ss Su	mma	ry - Columbia	Regional Wa	astewater Tr	eatment Plant - Pe	rmit No. MO-0097837			
Date	Time	Reported by	Location	1	SS	5O	Byp	ass	Precipitation	Discharge	e Estimate	Watershed	Cause	Corrective Action	MDNR N	otification
	W	e contra a con contra cont	Address	MH Number(s)	Dry	Wet	Dry	Wet	Inches	Duration	Volume			Completed or Needed	Date	Time
10/21/07	3:08 AM	Power Plant	Bernadette/Beverly	3L7A-3L7	Х				n/a	< 1 Day	< 1,000 gal	Harmony	Vandalism	Cleaned sewer	10/22/07	8:40 AM
10/30/07	9:45 AM	Mr. Raju	Bear Crk/Rangeline	2M14-2M13A	Х				n/a	>30 Days	>150,000 gal	Bear Creek	Vandalism	Cleaned out MH	10/30/07	2:24 PM
3/2/08	12:19 PM	Linda Karns	2308 N. Garth	1B62-1B55	Х				n/a	< i Day	< 1,000 gal	Bear Creek	Roots at Tap	NOV - City Repaired	3/3/08	8:57 AM
3/12/08	9:45 PM	Rena Buckler	3101 Wingate Ct	4G90-4H61	Х				n/a	< 1 Day	< 10,000 gal	Hinkson Creek	Debris at Alock	Cleaned MH	3/13/08	8:05 AM
3/29/08	5:30 PM	Floriila McCarty	2108 Amonnette	4L84-4L85	Х				n/a	< 1 Day	< 1,000 gal	Hinkson Creek	Roots at Joints	Put on CIPP list	3/31/08	9:00 AM
4/3/08	10:30 AM	Jim Branson	3300 Mexico Gravel	2B7-2B8	Х				n/a	< 1 Day	< 1,000 gal	Hinkson Creek	Roots in MH	Removed Roots	4/3/08	1:30 AM
4/10/08	11:45 AM	Sewer Maintenance	Chapel Hill Rd.	5K128		Х			1.72	3 hr 45 min	unknown	County House	Surcharge	Removed Roots inlet of M	4/10/08	3:17 PM
4/10/08	11:45 AM	Sewer Maintenance	Ridgefield Rd.	5L54		X			1.72	3 hr 45 min	unknown	County House	Surcharge	Reduce I&I	4/10/08	3:17 PM
4/10/08	2:00 PM	Sewer Maintenance	1700 Forum Blvd	5G8		Χ			1.72	1 hr 30 min	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	4/15/08	8:22 AM
4/10/08	2:00 PM	Sewer Maintenance	1700 Forum Blvd	5G10	L_	Х			1,72	1 hr 30 min	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	4/15/08	8:22 AM
4/10/08	2:00 PM	Sewer Maintenance	1700 Forum Blvd	5G25		X			1.72	1 hr 30 min	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	4/15/08	8:22 AM
4/28/08	6:50 PM	Paula Kayhill	4907 Mountain Top	14B15-14B22	Х				n/a	< 1 Day	< 1,000 gal	None	Vandalism	Contractor Repaired Pipe	4/29/08	10:34 AM
5/20/08	5:05 PM	Greg Willingham	1400 Elleta	2J9-2J10	Х				n/a	unknown	unknown	Bear Creck	Roots at Joints	Put on CIPP list	5/21/08	10:06 AM
7/22/08		Sewer Maintenance	Cowan Dr.	3E58	$oxed{oxed}$	Х			4.42	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	7/23/08	9:15 AM
7/22/08		Sewer Maintenance	Cowan Dr.	3E59		X			4.42	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	7/23/08	9:15 AM
7/22/08		Sewer Maintenance	1700 Forum Blvd	5G8		X			4.42	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/23/08	9:15 AM
7/22/08		Sewer Maintenance	1700 Forum Blvd	5G10	L	X			4.42	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/23/08	9:15 AM
7/22/08		Sewer Maintenance	1700 Forum Blvd	5G25		X			4.42	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/23/08	9:15 AM
7/30/08		Sewer Maintenance	1700 Forum Blvd	3A95		X			2.38	unknown	unknown	Flat Branch	Surcharge	Raised MH	7/31/08	10:57 AM
7/30/08		Sewer Maintenance	1700 Forum Blvd	5G8		X			2.38	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/31/08	10:57 AM
7/30/08		Sewer Maintenance	1700 Forum Blvd	5G10		X			2.38	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/31/08	10:57 AM
7/30/08		Sewer Maintenance	1700 Forum Blvd	5G25		Х			2.38	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	7/31/08	10:57 AM
7/30/08		Sewer Maintenance	5338 W Bellview Dr	10A42	L	X			2.38	unknown	unknown	Hinkson Creek	Surcharge	Remove Siphon / Bigger P	8/4/08	9:41 AM
7/30/08		Sewer Maintenance	Cowan Dr.	3E58	$oxed{oxed}$	Х			2.38	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	7/31/08	10:57 AM
7/30/08		Sewer Maintenance	Cowan Dr.	3E59		Х			2.38	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	7/31/08	10:57 AM
8/25/08	8:00 PM	Kate Anderson	MKT Trail	3A20-3A115	X				n/a	2 hrs+-	< 100 gal	Flat Branch	Sag in pipe	Replaced 16' of 8"	8/26/08	10:50 AM
9/4/08		Sewer Maintenance	Cowan Dr.	3E58		X			3.36	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	Cowan Dr.	3E59		Х	_	_	3.36	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	1700 Forum Blvd	5G8		Х			3.36	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	1700 Forum Blvd	5G10	<u> </u>	Х	_		3.36	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	1700 Forum Blvd	5G25		Х			3.36	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	Ridgefield Rd.	5L54		X			3.36	unknown	unknown	County House	Surcharge	Reduce I&I	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	Ridgefield Rd.	5L55	ļ	X			3.36	unknown	unknown	County House	Surcharge	Reduce I&I	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	WWTP	10A30	<u> </u>	X			3.36	unknown	unknown	Merideth Branch	Surcharge	Remove Siphon / Bigger F	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	5338 W Bellview Dr	10A42	<u> </u>	X	\dashv		3.36	unknown	unknown	Hinkson Creek	Surcharge	Identify I & I	9/4/08	2:45 PM
9/4/08		Sewer Maintenance	WWTP	10B1	ļ.,.	Х			3.36	unknown	unknown	Merideth Branch	Surcharge	Remove Siphon / Bigger F	9/4/08	2:45 PM
9/4/08	3:37 PM	Chlaty Sar	2411 Blueridge	2G64-2G65	Х				n/a	< 30 min	< 30 gal	Bear Creek	Roots at Tap	NOV - Plumber Repaired	9/5/08	11:21 AM
9/12/08		Sewer Maintenance	Cowan Dr.	3E58	L	X			2.01	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	9/12/08	1:03 PM
9/12/08		Sewer Maintenance	Cowan Dr.	3E59	 -	X			2.01	unknown	unknown	County House	Surcharge	Constructed Relief Sewer	9/12/08	1:03 PM
9/12/08		Sewer Maintenance	1700 Forum Blvd	5G8	<u> </u>	X			2.01	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	1700 Forum Blvd	5G9	<u> </u>	X			2.01	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	1700 Forum Blvd	5G10	ļ	X			2.01	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	1700 Forum Blvd	5G25		X			2.01	unknown	unknown	Flat Branch	Surcharge	Raised MH's / Identify I &	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	WWTP	10A30	<u> </u>	X	\dashv		2.01	unknown	unknown	Merideth Branch	Surcharge	Remove Siphon / Bigger P	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	5338 W Bellview Dr	10A42	<u> </u>	X			2.01	unknown	unknown	Hinkson Creek	Surcharge	Identify I & I	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	WWTP	10B1	 	X			2.01	unknown	unknown	Merideth Branch	Surcharge	Remove Siphon / Bigger F	9/12/08	3:00 PM
9/12/08		Sewer Maintenance	WWTP	10B43	L				2.01	unknown	unknown	Merideth Branch	Surcharge	Remove Siphon / Bigger F	9/12/08	3:00 PM

9/12/08	Sewer Maintenance	WWTP	10E3	Х		2.01	unknown		Remove Siphon / Bigger P	9/12/08	3:00 PM
Precipitation f	rom Sanborn Field weather st	ation									

APPENDIX C

APPENDIX C

Missouri Department of Natural Resources Water Protection Program Cost Analysis for Compliance (In accordance with RSMo 644.145)

City of Columbia Missouri State Operating Permit #MO-0097837

Section 644.145 RSMo requires the Department of Natural Resources to make a "finding of affordability" when "issuing permits under" or "enforcing provisions of" state or federal clean water laws "pertaining to any portion of a combined or separate sanitary sewer system for publicly-owned treatment works."

The department is required to issue a permit with final effluent limits in accordance with 644.051.1.(1) RSMo, 644.051.1.(2) RSMo, and the Clean Water Act. The practical result of this analysis is to incorporate a compliance schedule into the permit in order to mitigate adverse impact to distressed populations resulting from new costs for the wastewater treatment facility (WWTF).

The cost analysis is based on data available to the department as provided by the permittee and data obtained from readily available sources. For the most accurate analysis, it is essential that the permittee provides the department with current information about the city's financial and socioeconomic situation.

Facility Description:

The city of Columbia is served by WWTF consisting of an activated sludge plan digester, a sludge storage basin, and wetland treatment with a portion of dry solids being land applied or hauled to Missouri Biosolids. The WWTF has a design population equivalent of 178,875, a designed average flow of 20.6 million gallons per day (MGD), and an actual flow of 15.8 MGD. The receiving stream for treated effluent is a tributary to the Missouri River.

Residential Connections:	42,908 ⁱ
Commercial Connections:	4,321 ⁱⁱ
Industrial Connections:	
Total Connections for this facility:	47,229 ¹ , 11

Requirements Now Being Enforced:

Since January 2014, the city has experienced four Sanitary Sewer Overflows (SSOs) as a result of breaks in the Clear Creek force main (placed in service in 2011), which caused impacts to Clear Creek and its tributaries, waters of the state. The city has installed multiple air relief valves throughout the force main; increased the pump ramp down time to reduce the potential for pressure waves in the system; and changed the operating levels to reduce the pump starts and stops. Additionally, the city has experienced numerous dry and wet weather overflows since fiscal year 2007. At this time, the department is not requiring the city to take any additional actions to prevent future occurrences, as the city is in the process of developing an Integrated Management Plan (IMP) for its wastewater, stormwater, and sanitary sewer system

improvements with implementation timelines. A component of the IMP is to establish schedules to work toward eliminating inflow and infiltration and reduce SSOs in the collection system.

Anticipated Costs Associated with Complying with the New Requirements: There is no associated cost with any requirements of this Abatement Order on Consent (AOC).

- (1) A community's financial capability and ability to raise or secure necessary funding; There are no associated costs with the requirements of the AOC, with the exception of payment of penalty and investigative costs.
- (2) Affordability of pollution control options for the individuals or households at or below the median household income level of the community;

There is no associated cost with requirements contained in the AOC. The current user rate of \$26.18ⁱⁱ per month is 0.702 percentⁱⁱⁱ of the city's median household income (MHI) based on the City's MHI^{iv} of \$44,749. Due to the minimal cost associated with the AOC, the department does not anticipate a rate increase will be necessary that could impact individuals or households of the community.

(3) An evaluation of the overall costs and environmental benefits of the control technologies;

Under the Missouri Clean Water law and the Federal Clean Water Act SSOs and Bypasses are prohibited because the discharge of untreated or partially treated wastewater creates a public health risk and negatively impacts the environment. Such discharges have the potential to contaminate lakes and streams causing serious water quality problems that negatively impact the beneficial uses listed in 10 CSR 20-7.031.

(4) Inclusion of ongoing costs of operating and maintaining the existing wastewater collection and treatment system, including payments on outstanding debts for wastewater collection and treatment systems when calculating projected rates:

The city's current outstanding debt (current amount of debt that is due today) is \$104, 548.00ⁱⁱ (as of 9/30/15 all outstanding sewer bonds. The amount of the current sewer rate per household, per month, that is being used toward payments on wastewater debt is \$11.78.ⁱⁱ The annual costs of operating cost for wastewater treatment and/or collection system improvements will be determined as part of the IMP.

(5) An inclusion of ways to reduce economic impacts on distressed populations in the community, including but not limited to low and fixed income populations. This requirement includes but is not limited to:

- (a) Allowing adequate time in implementation schedules to mitigate potential adverse impacts on distressed populations resulting from the costs of the improvements and taking into consideration local community economic considerations.
- (b) Allowing for reasonable accommodations for regulated entities when inflexible standards and fines would impose a disproportionate financial hardship in light of the environmental benefits to be gained.

Socioeconomic Data³⁻⁶:

Potentially Distressed Populations - Ci	ty of Columbia
Total Population	116,906 ^{vi}
Unemployment	2.5% ^v
Adjusted Median Household Income (MHI)*	\$44,749 ^{iv}
Percent Change in MHI (2000-2012)	+32.9% iv
Percent Population Growth/Decline (2000-2012)	+29.6% ^{vi}
Median Age in Years	26.9 ^{vi}
Percent of Households in Poverty	24.5% ^{vii}
Percent of Households Relying on Food Stamps	10.9% ^{vii}

(6) An assessment of other community investments and operating costs relating to environmental improvements and public health protection;

The community anticipates drafting an IMP to balance multiple future environmental improvements throughout the city. See attached list.

(7) An assessment of factors set forth in the United States Environmental Protection Agency's guidance, including but not limited to the "Combined Sewer Overflow Guidance for Financial Capability Assessment and Schedule Development" that may ease the cost burdens of implementing wet weather control plans, including but not limited to small system considerations, the attainability of water quality standards, and the development of wet weather standards;

Since there are no new requirements being enforced, this agreement will not impose a financial burden on the community, nor will the monitoring require the city of Columbia to seek funding from an outside source.

(8) An assessment of any other relevant local community economic condition.

The community did not report any other relevant local economic conditions.

With a population of 116,906^{vi}, the city's socioeconomic status and population are thought to be stable.

Conclusion and Finding

The department is not proposing any additional requirements that will cost the city additional funds or increase the current user fees. The department identified the actions for which cost analysis for compliance is required under Section 644.145, RSMo.

The department considered the eight criteria presented in subsection 644.145.3 when evaluating the cost associated with the relevant actions. Taking into consideration these criteria, this analysis examined whether the above referenced permit modifications affects the ability of an individual customer or household to pay a utility bill without undue hardship or unreasonable sacrifice in the essential lifestyle or spending patterns of the individual or household. As a result of reviewing the above criteria, the department hereby finds that the action described above may result in a low burden with regard to the community's overall financial capability and a low financial impact for most individual customers/households.

References:

Missouri Department of Natural Resources Fees Tracking System-WPP Sewer Connection List dated 10/7/15

Information provided by the city of Columbia during a meeting with the department on 04/16/16

⁽Cost per household per month of \$26.18 * 12/(MHI of 44,749))*100 = Cost per household as a percent of MHI

Median Household Income data from American Community Survey – Median income in the past 12 months – http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?fpt=table

^v Unemployment data was obtained from Missouri Department of Economic Development (July 2014) – http://www.missourieconomy.org/pdfs/urel1407.pdf

vi Population trend data was obtained from online at: 2012 Census Bureau Population Data - http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?fpt-table, 2000 Census Bureau Population Data - http://www.census.gov/popest/data/cities/totals/2009/tables/SUB-EST2009-04-29.xls, 1990 Census Bureau Population Data - http://www.census.gov/prod/cen1990/cp1/cp-1-27.pdf

vii Poverty data – American Community Surveyhttp://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

List of major infrastructure or other investments in environmental projects

		Construct	
Name	Design Year	ion year	Cost
Sewer Projects			
Annual 100-Acre Point Trunks			\$140,000/year
Annual Inflow & Infiltration Program			\$2,000,000/year
Annual Private Common Collector			\$500,000/Year
Annual Sewer Main and Manhole Rehab			\$700,000/year
Annual Sewer System Improvements			\$1,000,000/year
B-8 Relief Sewer - Rangeling & Vandiver	2020	2021	\$ 1,847,800
8-9 Relief Sewer - Garth & Vandiver	2020	2021	\$ 693,420
C-5 Trunk Relief Sewer - Rock Quarry: Nifong - Zoe	2020	2021	\$ 288,925
Calvert Drive Sewer Relocation	2016	2017	\$ 240,000
Cout and Hickory Street Sewer Relocation	2015	2016	\$ 245,000
Cow Branch Outfall	2021	2023	\$ 3,484,500
FBRS - 4th Street - Elm to Rogers/Broadawy	2018	2019	\$ 3,862,251
FBRS - Elm & 6th Street	2014	2016	\$ 2,336,000
FBRS - Stadium to Elm	2014	2015	\$ 3,100,000
FBRS to Turner Relief Sewer	2014	2015	\$ 410,000
FY12 Sewer Main Rehab	2012	2012	\$ 5,072,343
FY2014 Sewer Main Rehab	2014	2014	\$ 1,308,701
FY2015 Sewer Main Rehab	2015	2015	\$ 2,700,000
Gans Creek Pump Station Upgrade	2020	2021	
Haystack Acres Pump Station Interceptor	2012	2021	
Henderson Branch Sewer: Midway Sewer Extension	2015	2017	2,669,000
Hominy Branch Outfall Ext: LOW Rd - Mexico Gravel	2021	2023	2,568,800
Hominy Branch Outfall Relief Sewer	2009	2011	
Little Bonne Femme Regional Pump Station	2021	2023	9,479,250
Lower Southwest Outfall Relief Sewer	2020	2021	809,320
M-2 Interceptor Relief - Merideth Branch Creek	2020	2021	450,690
North Grindstone Creek Bank Stabilization	2013	2015	200,000
North Grindstone Outfall Ext. Phase III	2009	2019 \$	1,406,020
PCCE #3 - Stewart & Medavista	2012	2016 \$	1,515,000
PCCE #8 - Thilly Lathrop	2010	2016 \$	2,200,000
PCCE #11 - Wilson Street/High Street	2010	2015 \$	253,000
PCCE #14 - Cliff Drive	2013	2015 \$,.
PCCE #16 - Bingham Rd & West Ridgeley Rd	2013	2017 \$	463,900
PCCE #17 - Wilson Street/Ross Street	2010	2017 \$	290,398
PCCE #18 - Spring Valley Road	2013	2016 \$	149,000
PCCE #19 - Sunset Lane	2010	2012 \$	735,000
PCCE #20 - Ridgemont	20 15	2015 \$	271,500
PCCE #21 - Stanford	2017	2018 \$	79,343
PCCE #22 - Shannon Place	2016	2018 \$	94,941
PCCE #23 - Lakeshore Drive & Edgewood	2017	2018 \$	238,028
PCCE #24 - St. James & St. Joseph	2015	2016 \$	154,100

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PCCE #25 - Glenwood & Redbud PCCE #27 - Grace Ellen	2016	2018 \$	•
	2015	2016 \$	
PCCE #28 - Hickory Hill Drive & Sunset Drive	2017	2018 \$	•
PCCE #29 - East Sunset Lane	2017	2018 \$	•
PCCE #30 - West Stewart, Edgewood, Westmount Ave	2018	2019 \$,
PCCE #31 - Oakwood Court	2018	2019 \$	163,470
PCCE #33 - Lyon Street	2018	2019 \$	•
PCCE #34 - Forest Hill Court & Ridge Road	2019	2020 \$	533,283
PCCE #35 - Richmond Ave	2019	2020 \$	129,111
PCCE #38 - North Eighth Street	2020	2021 \$	138,684
PCCE #39 - Hubbell Drive Sewer Improvement	2014	2015 \$	125,000
PCCE #40 - Sunset Dr, Prospect St, Crestland Ave	2020	2021 \$	404,495
PCCE #41 - W Stewart Road & West Blvd	2020	2021 \$	190, 6 91
Prathersville Area Sewer District	2020	2021 \$	375,520
Rocky Fork Outfall Sewer	2025	2027 \$	8,913,500
Sewer District #170 - S. Bethel Church Road	2011	2015 \$	370,380
Sewer District #171 - Crites Lane	2016	2021 \$	83,388
Sewer District - Hill Creek Road	2021	2022 \$	51 ,163
Sexton Road Relief Sewer	2020	2021 \$	2,543,200
Southwest Trunk #2 Relief Sewer	2020	2021 \$	809,650
Stephens Park Sewer Relocation	2020	2021 \$	103,815
STM WWTP Energize MO Comm	2012	2012 \$	628,725
STM WWTP Improvement	2009	2010 \$	3,000,000
Upper Bear Creek Sewer Replacement	2020	2021 \$	601,030
Upper Hinkson Creek Outfall Ext	2012	2015 \$	7,650,174
Upper Merideth Branch Stream Bank Stabiliz.	2013	2016 \$	600,000
Upper Southwest Outfall Relief	2020	2021 \$	317,900
W Broadway Sewer Improvement		•	•
Westwood Avenue Sewer Relocation	2014	2015 \$	175,000
	2013	2015 \$	321,715
Woodrail Sewer Replacement Project	2014	2016 \$	330,000
Woodstock MHP WWTP Interceptor	2020	2021 \$	115,570
WWTP - Digester Complex Improvements	2017	2018 \$	4,337,390
WWTP - Fine Screen Facility	2025	2025 \$	2,400,000
WWTP - Engineering Addition	2015	2016 \$	100,000
WWTP Improvement Project Phase I	2008	2010 \$	63,914,991
Landfill Projects			
Agriturf for Bioreactor Cell	2016	2016 \$	255,000
Collection and Admin Relocation - Landfill	2013	2016 \$	4,670,000
Disposal Cell #6	2015	2017 \$	
Disposal Cell #7			4,300,000
-	2023	2024 \$	4,000,000
Household Hazardous Waste Building	2024	2024 \$	350,000
Landfill & Compost Facility Stormwater Compliance	2015	2016 \$	245,000
Landfill Expansion Permitting	2017	2019 \$	600,000
Landfill Wetlands	2014	2016 \$	225,000
Leachate Storage & Handling	2016	2017 \$	608,827

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Landfill Gas to Energy, Heat recovery system	2014	2016	325,000
Material Recovery Facility Expansion Phase 2	2024	2024 \$	2,400,000
Material Recovery Factility Phase 1	2015	2018 \$	1,500,000
Methane Gas Extraction Wells		2014 \$	2,125,947
Recycling Drop-Off Site - S. Providence Rd	2014	2015 \$	150,000
State Farm Parkway off Nifong Connector Drop-Off	2014	2015 \$	20,839
Stimulus Landfill Gas Plant EMC	2010	2011 \$	425,275
Stormwater Projects			
2302 Business 70 East	2025	2026 \$	400,000
Alan Lane	2020	2021 \$	276,840
Aldeah & Ash Storm Pipe Rehab	2016	2016 \$	150,000
Annual CAM projects	\$50,000/year		
Annual Downtown Tree Planters	\$25,000/year		
Annual Floodplain Mapping	Starts in 2021, \$	50,000	
Annual Mitigation Bank Program	Starts in 2017, \$	50,000 first	year then \$100,000
Annual Projects			r starting in FY2018
Annual Property Acquisition	Starts in 2021, \$	-	•
Annual TV Inspections	Starts in 2021, \$	50.000	
Bourn Avenue	2021	2021 \$	650,000
Braemore Drainage	2021	2022 \$	275,000
Bray/Longwell Drainage	2021	2021 \$	250,000
Calvert Drive	2021	2022 \$	700,000
CAM - Forum Nature Area	2013	2014 \$	50,000
CAM - Hubbart Flow & Sediment Study	2013	2014 \$	72,282
Capri Estates Drainage	2014	2013 \$	
Downtown Tree Planter 2015		-	404,000
	2015	2016 \$	30,000
E Nifong Culvert Rehab	2016	2016 \$	125,000
East Downtown	2022	2022 \$	1,500,000
East Point Lining	2016	2016 \$	100,000
East Point Storm Water Study	2021	2021 \$	50,000
English/Subella/Jake Drainage	2021	2022 \$	180,000
Flat Branch System Inventory Model	2022	2022 \$	400,000
Garth @ Oak Tower Garth-Jewell	2018	2019 \$	458,420
	2021	2021 \$	250,000
Gillespie Bridge Road	2021	2022 \$	600,000
Grasslands - Brandon Drainage Greenwood South	2022	2022 \$	1,100,000
Greenwood Stewart Phase 2	2020	2020 \$	225,200
	2022	2022 \$	1,600,000
Grissum Bidg Water Quality Improvements	2012	2012 \$	546,745
Hickman & 6th & 7th	2018	2018 \$	371,350
Hinkson Avenue	2021	2022 \$	300,000
Hinkson Bacteria Assessment	2015	2015 \$	15,167
Hitt and Elm	2011	2015 \$	112,000
Kelly Detention Retrofit	2022	2022 \$	306,282
Lakshire Estates Lake Modification	2022	2022 \$	150,000