

IIA. Listing of Sewer Spills by Month

The following is a list of spills from the public wastewater system that occurred between July 1, 2002 and June 30, 2003. Most occurred from the wastewater collection system. Spills that occurred at wastewater plants are noted in the address.

July Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Jul-02	400	0	N/A	0	6109	Dovefield Rd	Roots & grease
02-Jul-02	1,270	800	Kings Branch	0	605	Farmhurst Dr	Roots
03-Jul-02	200	100	Campbell Creek	0	6023	Idlebrook Dr	Grease
03-Jul-02	410	0	N/A	0	934	Rodey Av	(Spill was on vacant lot beside the above address) Grease, blockage, sewer spilled out of Abandoned lateral that was not capped off
03-Jul-02	800	0	N/A	0	1658	Sterling Rd	Collapsed invert. Bricks in manhole caused sewage To back up out of old tap
03-Jul-02	2,650	2,650	Irvins Creek	0	1424	Pressley Rd	Root problem in downstream manhole at the drop-off
05-Jul-02	100	0	N/A	0	5204	Whisperwood Pl	Roots
06-Jul-02	200	0	N/A	0	4923	Greenbrook Dr	Root
07-Jul-02	30	0	N/A	0	4351	Columbine Cr	Roots
08-Jul-02	400	400	McAlpine Creek	0	8220	Nathaniel Greene Ln	Grease blockage
09-Jul-02	5	0	N/A	0	911	Scaleybark Rd	Grease
09-Jul-02	400	0	N/A	0	3925	Seaforth Rd	Roots & grease
09-Jul-02	4,600	4,600	McAlpine Creek	0	200	Sardis View Ln	Manhole damaged by contractor, brick left in invert Caused blockage
09-Jul-02	11,500	11,500	Stewart Creek	0	2432	Crestview Dr	Vandalism - rock, metal, sticks, bricks, and Bicycle parts caused main line blockage
10-Jul-02	1,200	0	N/A	0	1421	Jordans Pond Ln	Construction debris, rocks, bricks, mud, Wood, grease main line blockage
10-Jul-02	2,400	0	N/A	0	3719	Simmons St	Crushed or off-set pipe, caused grease & paper Main line blockage off-street from 3721 Simmons St
10-Jul-02	56,100	14,025	Doby Creek	0	2343	Blue Hampton Ln	Vandalism, sticks, paper, & grease blockage
12-Jul-02	1,270	0	N/A	0	4300	Town & Country Dr	Roots, grease, & paper
12-Jul-02	1,270	0	N/A	0	4300	Town & Country Dr	Roots, grease, & paper
12-Jul-02	5,880	5,000	Campbell Creek	0	4908	Endolwood Rd	Paper, grease, & rags
15-Jul-02	10	0	N/A	0	1100	Jordans Pond Ln	Vandalism
15-Jul-02	700	0	N/A	0	643	Bradford Dr	Roots
15-Jul-02	33,400	0	N/A	0	2600	Park Rd	Sewer pipe damaged by contractor laying water line. Sewage spilled into pit dug by contractor

July Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
16-Jul-02	100	100	McAlpine Creek	0	4000	Burning Tree Dr	Roots
16-Jul-02	12,250	12,000	McAlpine Creek	0	2549	Lynbridge Dr	Grease & paper
17-Jul-02	800	0	N/A	0	1400	Ivey Dr	Contractor hit main line
19-Jul-02	3,340	770	Paw Creek	0	533	Melynda Rd	Grease and roots (50% was pumped back)
19-Jul-02	10,700	2,500	Briar Creek	0	3929	Somerdale Ln	Roots and grease (spill was in rear of house in Wood across from fences)
21-Jul-02	800	800	Briar Creek	0	3760	Frontenac Av	Roots and grease (line going off street behind Apartments)
21-Jul-02	2,650	0	N/A	0	11914	Rock Canyon Dr	Grease in main line causing blockage
24-Jul-02	6,000	6,000	Clark Creek North Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow.
26-Jul-02	18,500	18,500	Sugar Creek Little	0	500	North Davidson St	Grease causing main line blockage
29-Jul-02	600	0	N/A	0	6901	Oakstone Pl	Roots causing main line blockage
29-Jul-02	1,700	0	N/A	0	4843	Lindstrom Dr	Roots & grease causing main line blockage
30-Jul-02	2,050	2,000	McAlpine Creek	0	5920	Lake Forest Rd	Grease and paper
30-Jul-02	100,000	14,000	Mallard Creek	0		MALLARD CREEK WWTP, 12400 Hwy. 29N	Incoming flows were higher than the hydraulic capacity of the distribution box causing an overflow. High flows were due to 10 MGD slug flows from collection system. Source of the flows are still unknown but are under investigation. Plant flows were decreased to stop overflow of distribution box #2. Plant flows were restricted to 8 MGD with extra flow diverted to an EQ Basin still under construction. Plant flows will be restricted until extra flow is incorporated.
31-Jul-02	5,000	5,000	Irwin Creek	0		IRWIN CREEK WWTP, 4000 Westmont Drive	Spill at Chlorine Facility due to broken pipe fitting.
31-Jul-02	50	0	N/A	0	4514	Valeview Ln	Roots & grease main line blockage
Month total = 38 spills	289,735	100,745		0			

August Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Aug-02	22,525	22,525	McMullen Creek	0	4107	Tapperty Cr	Tree fell on piper crossing creek, 40' section of pipe dropped into creek
05-Aug-02	10	0	N/A	0	1900	Thurmond Pl	Grease blockage
07-Aug-02	10000	0	Irwin Creek	0		IRWIN CREEK WWTP, 4000 Westmont Drive	Contractor broke sludge pipeline while clearing construction storage area. Sludge flowed into gully leading to Irwin Creek. On consultation with Mecklenburg County Environmental Protection the gully was diked off below the point the sludge spill had reached. Pipe was repaired according to proper manufacturers recommendations.
07-Aug-02	100	0	N/A	0	21336	Blakely Shores Dr, Cornelius	Air relief valve leaking on force main
08-Aug-02	1,550	1,550	Briar Creek	0	1500	Coventry Rd	Grease & paper blockage
08-Aug-02	2,540	2,000	Toby Creek	0	1627	Owen Bv	Grease & paper blockage
09-Aug-02	5,845	0	N/A	0	9032	Fisher's Pond Dr	Grease blockage
10-Aug-02	25	25	McAlpine Creek	0	6429	Springfield Dr	Leaking pipe at bottom of manhole in creek. Very small leak at bottom of pipe
13-Aug-02	400	400	Irwin Creek	0	2400	Kendall Dr	Grease in main line causing blockage.
13-Aug-02	1,000	0	N/A	0	6332	Macon St	Roots and grease in off street line (501 Toddville rd)
14-Aug-02	50	0	N/A	0	3415	Foxcroft Rd	Paper in main line causing a blockage
14-Aug-02	200	0	N/A	0	2625	Heidleburg Ln	Roots and grease in main line causing blockage
14-Aug-02	800	800	Irwin Creek	0	300	North Poplar St	Grease in main line causing blockage
16-Aug-02	400	400	Sugar Creek	0	100	North Crigler St	Grease and debris in main line causing blockage
17-Aug-02	100	0	N/A	0	18917	Kyle Ln	Low pressure box 2" pipe came unglued from shut off valve, dug out box and made repairs
19-Aug-02	665	133	Taggart Creek	0	815	Wabash Av	Root, grease, and paper blockage
20-Aug-02	600	600	Stewart Creek	0	4526	Ridgeley Dr	Grease and paper
20-Aug-02	1,270	1,270	McMullen Creek	0	2600	Woodbrook Ln	Grease and paper
20-Aug-02	5,250	5,250	Taggart Creek	0	2828	South I-85 Service Rd	Asphalt put in manhole caused blockage. Other factors were grease, sand, paper, rock and brick.
21-Aug-02	1,270	635	McAlpine Creek	0	1800	Rama Rd	Main line blockage caused by roots
22-Aug-02	1,670	1,670	Mallard Creek	0	9200	Sandburg Av	Grease and roots in main line causing blockage (in rear of house at creek)
22-Aug-02	1,670	1,670	Four Mile Creek	0	1335	Somersby Ln	Roots and grease causing blockage
23-Aug-02	8,350	8,350	Paw Creek	0	2104	Heather Glen Ln	Grease and roots causing blockage (grease and roots in off street line, line going between Heather Glen and Sloan Dr.)
24-Aug-02	400	400	McMullen Creek	0	8336	Prince George Rd	Roots causing blockage
24-Aug-02	400	400	McAlpine Creek	0	7839	Winterset Dr	Grease, roots and paper causing blockage
25-Aug-02	2,250	2,250	McAlpine Creek	0	10315	Camelback Cr	Grease causing blockage

August Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
26-Aug-02	12,400	12,400	Briar Creek	0	4629	Perth Ct	Vandalism, sticks caused blockage
30-Aug-02	1,670	1,670	Briar Creek	0	6117	Bridgeport Dr	Roots and grease in main line causing blockage
31-Aug-02	2,000	2,000	Campbell Creek Trib	0	7622	Meadowdale Ln	Heavy rains causing the system to surcharge and overflow.
31-Aug-02	8,000	8,000	Campbell Creek Trib	0	6800	Reddman Rd	Heavy rains causing the system to surcharge and overflow.
31-Aug-02	12,000.00	12,000.00	Briar Creek	0	1444	Andover Rd	Infiltration (new storm water construction had area under water)
Month total = 31 spills	105,410	86,398		0			

September Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
02-Sep-02	1,465	1,465	Crooked Creek	0	2901	Percheron Ct, Matthews	Blown out force main
07-Sep-02	50	0	N/A	0	9609	Secretariat Dr	Crew observed approx 50 gallons of sewage standing at manhole
07-Sep-02	980	0	N/A	0	4001	Pepperidge Dr	Off street line blocked with grease and paper
07-Sep-02	1,270	625	Long Creek	0	9006	Long Picket Ct, Huntersville	8-inch plug
10-Sep-02	500	0	N/A	0	4700	Albemarle Rd	Pipe damaged by contractor causing paper & debris blockage
11-Sep-02	200	200	McAlpine Creek	0	5930	Almond Rd	Sticks & paper blockage
11-Sep-02	200	0	N/A	0	6900	Secretariat Dr	Blockage at drop at downstream manhole
13-Sep-02	6,900	0	N/A	0	7300	Little Buggy Ln	Misaligned joint caused paper & grease main line blockage
16-Sep-02	800	600	Sugar Creek Little	0	715	Wendover Rd	Grease in main line causing blockage
18-Sep-02	980	980	Doby Creek	0	6900	Hidden Forest Dr	Grease and sand in causing blockage (location: n. I-85 access rd)
18-Sep-02	1,670	1,670	Steele Creek	0	2817	O'Hara Dr	Grease and roots causing blockage
19-Sep-02	250	0	N/A	0	6700	William Harry Ct	Roots, paper and debris in main line (in rear of property)
21-Sep-02	50	0	N/A	0	7455	Albemarle Rd	Grease causing blockage
23-Sep-02	2,000	2,000	Sugar Creek Little	0	2227	Seth Thomas Rd	Roots, grease, and paper
23-Sep-02	17,700	17,700	Sugar Creek Little	0	4912	Murrayhill Rd	Pipe broken behind head wall
Month total = 15 spills	35,015	25,240		0			

October Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Oct-02	1,300	0	N/A	0	6509	Shaftesbury Rd	Root & grease main line blockage
03-Oct-02	100	100	Campbell Creek	0	6425	Springfield Dr	Small hole in bottom of manhole, leakage occurred once line was jetted
03-Oct-02	800	0	N/A	0	627	Sheryl Cr	Grease and roots in main line causing blockage
06-Oct-02	100	100	Briar Creek	0	1116	Farrior Dr	Grease and roots in main line causing blockage
07-Oct-02	50	0	N/A	0	6500	Sharon Hills Rd	Cause of spill undetermined
07-Oct-02	2,250	2,025	Campbell Creek	0	7806	Heatherdale Ct	Grease & roots main line blockage
07-Oct-02	13,500	13,500	Sugar Creek	0	1400	Kentland Ln	Grease main line blockage
09-Oct-02	600	0	N/A	0	430	Iverson Wy	Grease, roots, and paper in main line causing blockage
10-Oct-02	400	0	N/A	0	1100	Mcarthur Av	Grease and debris in main line causing blockage
10-Oct-02	12,600	3,150	McAlpine Creek	0	8221	Baldrige Dr	Grease, roots and paper in main line causing blockage (in rear of address listed above)
11-Oct-02	20,250	20,250	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rain into gravity system (manhole outside of Huntersville pump station)
12-Oct-02	400	400	Campbell Creek	0	7000	Snow Ln	Grease in main line causing blockage
14-Oct-02	50	25	Sugar Creek Little	0	2900	Oneida Rd	Grease and roots in main line causing blockage
14-Oct-02	700	700	McAlpine Creek	0	5100	McAlpine Farm Rd	Roots in main line causing blockage
16-Oct-02	18,000	18,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rain into sewer system. Pump station was functioning properly.
17-Oct-02	5,500	5,500	Irvins Creek	0	2365	Tipton Dr	Off set pipe-due to erosion by rain water
17-Oct-02	8,400	8,400	Sugar Creek	0	6501	Monteith Dr	Grease, sticks, paper and vandalism in main line causing blockage
18-Oct-02	3,810	1,900	McAlpine Creek	0	1801	Carmel Ridge Rd	Grease, roots and paper in main line causing blockage
19-Oct-02	2,500	2,500	Torrence Creek #2	0	9700	Rosewood Meadow Ln	Grease in main line causing blockage
19-Oct-02	2,670	2,670	McMullen Creek	0	5619	Robinhood Rd	Grease and roots in main line causing blockage
20-Oct-02	100	0	N/A	0	4532	Sharon View Rd	Roots and sticks in main line causing blockage
23-Oct-02	50	0	N/A	0	1204	Mark Twain Rd	Maintenance man called plumber out instead of calling city out to handle the problem. Spill occurred 10/22/2002. We were notified about spill on 10/23/2002. All occurred when plumber was on site. Was not running over when we got on site.
23-Oct-02	5,300	5,300	Briar Creek	0	4132	Larkspur Ln	Grease & roots main line blockage
24-Oct-02	25	0	N/A	0	2929	Greenland Av	Grease main line blockage
24-Oct-02	6,450	6,450	McMullen Creek	0	5701	Monroe Rd	Grease & rags main line blockage
25-Oct-02	80	40	Irwin Creek	0	2921	Markland Dr	Grease and paper in main line causing blockage

October Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
27-Oct-02	50	50	Sugar Creek Little	0	4629	Brenda Ct	Grease and paper in main line causing blockage
28-Oct-02	1,000	1,000	Clems Branch Creek	0	12115	Bridgeview Ln	Contractor left plug in sewer line causing blockage
							The Effluent Filter had been removed from service, bypassed, and isolated to perform an inspection and evaluation of the valves located in the interior chambers of the Filter. The valves were not returned to the correct position prior to placing the filter back into service. Operations Staff immediately shut down the Effluent Filter pumps while the bypass valves were opened. The standing water was contained and the area cleaned up.
30-Oct-02	170,000	40,000	Sugar Creek	0		SUGAR CREEK WWTP, 5301 Closeburn Rd	
30-Oct-02	50	25	McMullen Creek	0	3819	Gleneagles Rd	Roots in main line causing blockage
31-Oct-02	200	50	Six Mile Creek	0	5739	Legacy Cr	Rocks & paper main line blockage
Month total = 31 spills	277,285	132,135					

November Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Nov-02	2,250	1,125	Four Mile Creek	0	6922	Kimberton Dr	Roots & paper main line blockage
02-Nov-02	200	0	N/A	0	5000	Hoover Dr	Roots & debris main line blockage
02-Nov-02	400	200	Briar Creek	0	3325	Donovan Pl	Roots & debris main line blockage
03-Nov-02	75	38	McAlpine Creek	0	5403	Stallworth Dr	Grease & paper main line blockage
04-Nov-02	200	50	Stewart Creek	0	2907	Lake Av	Grease & roots main line blockage
04-Nov-02	600	600	Irwin Creek	0	509	Beatties Ford Rd	Undetermined, crew found overflow while checking siphons
05-Nov-02	1,000	1,000	Stewart Creek	0	118	North Linwood Av	Roots, grease, paper, & rags main line blockage
05-Nov-02	10,600	10,600	Mallard Creek	0	3231	Harris Mill Ln	Grease main line blockage
05-Nov-02	24,750	6,187	Sugar Creek	0	10022	Woody Ridge Rd	Grease main line blockage.
07-Nov-02	1,600	800	Six Mile Creek	0	6603	Flat Creek Dr	Roots main line blockage
07-Nov-02	50,000	16,667	Mallard Creek	0	8604	Cliff Cameron Dr	Broken/collapsed pipe caused main line blockage
09-Nov-02	3,375	3,375	Irvin Creek	0	6924	Ravenglass Ln, Mint Hill	Sticks, paper, & grease main line blockage
10-Nov-02	16,100	12,880	Sugar Creek	0	907	Bannister Pl	Cinder blocks & grease main line blockage
11-Nov-02	10,600	10,600	McAlpine Creek	0	5821	Reddman Rd	Grease in main line causing blockage
12-Nov-02	20,250	20,250	Clark Creek South Prong	0	14201	Old Vermillion Dr	Heavy rain
13-Nov-02	20	20	McIntyre Creek	0	9323	Feldbank Dr	Roots & grease main line blockage
13-Nov-02	200	200	Kings Branch	0	201	Archdale Dr	Grease main line blockage

November Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
13-Nov-02	2,250	675	McMullen Creek	0	2400	Rock Creek Dr	Roots and grease caused blockage
13-Nov-02	21,150	21,150	Four Mile Creek	0	8336	Cricket Lake Dr	Grease & paper main line blockage
13-Nov-02	4,445	3,810	Paw Creek	0	3400	Marshall Dr	Roots, grease, & paper main line blockage
14-Nov-02	2,400	2,400	Taggart Creek	0	4600	Wilkinson Bv	Broken water main caused main line to surcharge, crew was on site
15-Nov-02	150	150	Stewart Creek	0	3140	Clearview Dr	Roots & grease main line blockage
16-Nov-02	5,000	5,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rain into collection system.
19-Nov-02	1,270	1,016	McMullen Creek	0	7618	Park Vista Cr	Grease and roots in main line causing blockage
19-Nov-02	1,670	1,670	McMullen Creek	0	10716	Carmel Commons Bv	Grease and roots in main line causing blockage
20-Nov-02	2,250	1,725	Campbell Creek	0	6328	Barcliff Dr	Grease and roots in main line causing blockage
20-Nov-02	6,625	6,625	Sugar Creek Little	0	7622	Quail Park Dr	Grease, roots and paper in main line causing blockage
20-Nov-02	7,950	6,360	McAlpine Creek	0	5205	Whisperwood Pl	Grease and roots in main line causing blockage
23-Nov-02	25	0	N/A	0	4900	The Plaza	Grease main line blockage
24-Nov-02	25	12	Mallard Creek	0	9600	Melanie Thompson Dr	Grease main line blockage
25-Nov-02	600	0	N/A	0	2138	Jennie Linn Dr	Roots, grease and paper blockage
25-Nov-02	700	0	N/A	0	9700	Parcell St, Huntersville	Rock and brick blockage
25-Nov-02	2,000	2,000	Campbell Creek tributary	0	6022	Farm Pond Ln	Roots, grease and paper caused blockage
25-Nov-02	5,300	5,300	Four Mile Creek	0	2002	Kilkenney Hill Rd, Matthews	Grease and paper blockage
25-Nov-02	16,847	16,847	Irwin Creek	24	2437	Freedom Dr	Off-set/ dropped pipe
26-Nov-02	400	200	Campbell Creek	0	5300	Farm Pond Ln	Grease main line blockage
26-Nov-02	5,250	5,250	Sugar Creek Little	0	400	North Alexander St	Grease & paper main line blockage
27-Nov-02	2,250	400	McAlpine Creek	0	8000	Beverly Crest Bv	Grease main line blockage
27-Nov-02	3,340	3,340	Briar Creek	0	3947	Briarhill Dr	Root & grease main line blockage
29-Nov-02	2,200	1,100	Irwin Creek	0	3301	Chistow Rd	Grease & roots main line blockage
29-Nov-02	3,975	1,900	McAlpine Creek	0	9005	Albemarle Rd	Grease & paper main line blockage
29-Nov-02	20,000	20,000	Rocky River South Prong	0	19800	Zion Av, Cornelius	12-inch force main blew out
30-Nov-02	400	400	McAlpine Creek	0	7006	Heatherford Dr	Roots, grease, & paper main line blockage
Month total = 43 spills	260,692	191,922		24			

December Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Dec-02	400	200	Stewart Creek	0	1308	North I-85 Service Rd	Bowling ball caused overflow
01-Dec-02	2,650	2,650	Briar Creek	0	4211	Colebrook Rd	Grease & paper main line blockage
01-Dec-02	10,350	10,350	Long Creek	0	11633	Northwoods Forest Dr	Rubber plug in main line
03-Dec-02	5,850	5,850	Taggart Creek	0	4700	Wilkinson Bv	Grease in main line causing blockage
03-Dec-02	1,950	1,365	Sugar Creek Little	0	100	North College St	Grease in main line causing blockage
05-Dec-02	600	600	Clarke Creek South Prong	0	12607	Levins Hall Rd, Huntersville	Grease, roots and paper in main line causing blockage
05-Dec-02	4,675	4,675	Mcalpine Creek	0	7320	Brigmore Dr	Paper in main line causing blockage
05-Dec-02	5,000	5,000	Lake Davidson	0	465	Griffith St, Davidson	Ice storm / power outage - Griffith street lift station
05-Dec-02	5,000	5,000	Rocky River West Branch	0	190	Morrison Hill Rd, Davidson	Ice storm / power outage - McConnell lift station
05-Dec-02	5,000	5,000	Catawba River tributary	0	915	Woodington Ln	Power outage - Catawba river lift station
05-Dec-02	10,000	10,000	Rocky River West Branch	0	230	Thompson St, Davidson	Ice storm / power outage - Davidson college lift station
05-Dec-02	15,000	15,000	Clarke Creek Basin	0	1110	Hudson Pl, Davidson	Ice storm / power outage - Kimberly lift station
06-Dec-02	20,000	20,000	Paw Creek	0	8924	Old Dowd Rd	Ice storm / power outage - paw creek lift station - generator operated properly, but ran out of fuel. Could not obtain fuel due to fuel farm being out of power. Obtained fuel as lift station was beginning to overflow
06-Dec-02	100,000	100,000	Six Mile Creek	0	17770	Marvin Rd	Generator failure / power outage - six mile lift station
07-Dec-02	400	400	McAlpine Creek	0	5401	McAlpine Farm Rd	Roots in main line causing blockage
07-Dec-02	2,250	2,025	Torrence Creek	0	10119	Tallent Ln, Huntersville	Grease in main line causing blockage (behind the house in Huntersville)
08-Dec-02	2,650	2,650	Irwin Creek	0	315	Stone Post Rd	Grease in main line causing blockage
08-Dec-02	12,500	12,500	Reedy Creek	0	7320	Plott Rd	Generator failure/power outage - Plott road lift station
10-Dec-02	50	50	Irwin Creek	0	3300	Statesville Rd	Grease and oil rags in main line causing blockage
10-Dec-02	3,100	3,100	Briar Creek	0	3316	Sam Drenan Rd	Grease and roots in main line causing blockage
12-Dec-02	400	400	Taggart Creek	0	3112	Markland Dr	Grease main line blockage
13-Dec-02	1,475	1,475	Reedy Creek	0	7324	Linda Lake Dr	Grease and roots in main line causing blockage
14-Dec-02	400	400	Four Mile Creek	0	6300	Boyken Spaniel Rd	Roots in main line causing blockage
14-Dec-02	835	835	Sugar Creek Little	0	7237	Hopeton Rd	Roots in main line causing blockage
14-Dec-02	2,505	1,252	Briar Creek	0	1636	Twiford Pl	Grease and roots in main line causing blockage
14-Dec-02	3,810	0	N/A	0	15803	Woodcote Dr, Huntersville	Roots in main line causing blockage

December Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
14-Dec-02	6,985	1,397	McDowell Creek	0	20300	Willow Pond Rd	Roots in main line causing blockage
15-Dec-02	400	0	N/A	0	1240	Woodland Dr	Grease and roots in main line causing blockage
16-Dec-02	635	317	Kings Branch	0	634	Archdale Dr	Grease main line blockage
18-Dec-02	100	0	N/A	0	2001	Fromby Ct	Root main line blockage
18-Dec-02	1,670	835	Reedy Creek	0	6321	Robinson Church Rd	Grease main line blockage
20-Dec-02	200	200	Irwin Creek	0	621	Ambassador St	Grease causing main line blockage
20-Dec-02	200	100	Sugar Creek Big	0	4028	Teakwood Dr	Paper and debris causing main line blockage (in rear of property)
20-Dec-02	835	208	McAlpine Creek	0	6818	Windyrush Rd	Grease causing main line blockage
21-Dec-02	1,600	1,600	McMullen Creek	0	7816	Fairview Rd	Grease and roots causing main line blockage
21-Dec-02	10,600	10,600	McAlpine Creek	0	8143	Mattridge Rd, Matthews	Grease and roots causing main line blockage
21-Dec-02	14,200	14,200	Briar Creek	0	4213	Vinetta Ct	Grease and roots causing main line blockage
22-Dec-02	15,900	15,900	Briar Creek	0	1729	Kensington Dr	Rocks, bricks, and debris causing main line blockage (spill was coming out of joint getting into storm system)
23-Dec-02	835	584	Kings Branch	0	500	Reynolds Av	Roots in main line causing blockage
24-Dec-02	1,200	1,200	Reedy Creek	0	7320	Plott Rd	Heavy rain. The pump station pumped at its designed capacity
24-Dec-02	4,600	2,300	Briar Creek	0	2903	Central Av	Grease in main line causing blockage
24-Dec-02	7,100	7,100	Irwin Creek	0	3908	Manchester Dr	Grease and debris in main line causing blockage
24-Dec-02	31,500	31,500	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Excessive inflow to the gravity system during the rain event
25-Dec-02	2,650	2,650	Briar Creek	0	3200	Central Av	Grease in main line causing blockage
26-Dec-02	100	2	Campbell Creek	0	6812	Barcliff Dr	Grease and roots in main line causing blockage
26-Dec-02	1,270	1,270	McAlpine Creek	0	1200	Alfred St	Roots causing blockage (intersection of Alfred and Wheeler Dr.)
26-Dec-02	2,250	2,250	Rea Branch Creek	0	7526	Swans Run Rd	Grease in main line causing blockage
26-Dec-02	2,940	2,352	Doby Creek	0	1760	Stoney Creek	Grease in main line causing blockage
27-Dec-02	70	0	N/A	0	1300	Mclaughlin Dr	Grease in main line causing blockage
27-Dec-02	2,650	2,120	Briar Creek	0	6400	Woody Glen	Grease in main line causing blockage (behind house)
27-Dec-02	4,200	2,100	Irwin Creek	0	3908	Manchester Dr	Grease and roots in main line causing blockage
28-Dec-02	400	0	N/A	0	4333	Dunwoody Dr	Grease in main line causing blockage
28-Dec-02	2,650	2,120	Briar Creek	0	500	Billingsley Rd	Grease and roots in main line causing blockage
30-Dec-02	3,810	0	N/A	0	4152	Blenhein Rd	Grease in main line causing blockage
31-Dec-02	400	400	Taggert Creek	0	2819	Parkmont Dr	Grease and roots in main line causing blockage
31-Dec-02	980	784	Sugar Creek	0	6431	Rosecrest Dr	Grease in main line causing blockage
Month total = 56 spills	339,780	314,866		0			

January Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Jan-03	800	800	Sugar Creek Little	0	7037	Wrentree Dr	Grease and roots in main line causing blockage
01-Jan-03	1,000	1,000	Four Mile Creek	0	2817	High Ridge Rd	Damaged pipe -bottom broke out of 8" line down at creek -repair crew sent out first thing this morning 01/02/2003 to make repair
02-Jan-03	2,650	2,650	Bon-Rea Creek	0	7526	Swans Run Rd	Damaged pipe and rock
03-Jan-03	50	0	N/A	0	2500	Deherradora Av	Debris, paper, & fish scales from upstream main line blockage
03-Jan-03	6,900	6,210	Mallard Creek	0	12027	North Tryon St	Grease, rocks and paper in main line causing blockage
05-Jan-03	25	0	N/A	0	345	Livingston Dr	Roots & grease main line blockage
05-Jan-03	50	50	Briar Creek	0	7715	Elwood Dr	Main line blockage, sewage leaking from pipe joints
06-Jan-03	1,000	200	McMullen Creek	0	5752	Bellechasse St	Broken pipe
06-Jan-03	7,950	7,950	McAlpine Creek	0	5309	Faulconbridge Rd	Roots & grease main line blockage
07-Jan-03	500	500	Campbell Creek	0	6514	Farmingdale Dr	Roots & grease main line blockage
08-Jan-03	400	0	N/A	0	13011	Beatties Ford Rd	Grease main line blockage
10-Jan-03	600	200	McIntyre Creek	0	5812	Hornet Dr, Mecklenburg Co	Grease & paper main line blockage
10-Jan-03	800	0	N/A	0	3934	Plainview Rd	Vandalism: big wheel bike, rocks, speaker, & grease main line blockage
10-Jan-03	8,350	7,933	Briar Creek	0	330	Eastover Rd	Manhole damage caused overflow
11-Jan-03	40	40	Sugar Creek Little	0	3600	Garden Club Ln	Paper main line blockage
11-Jan-03	1,500	1,500	Briar Creek	0	4201	Tipperary Pl	Paper, grease, & debris main line blockage
12-Jan-03	600	600	Irwin Creek	0	4651	Pineleaf Dr	Roots main line blockage
12-Jan-03	6,750	6,750	Rocky River South Prong	0	248	Pat Stough Ln, Davidson	Roots main line blockage
13-Jan-03	635	635	McAlpine Creek	0	1900	Woodberry Rd	Roots & grease main line blockage
13-Jan-03	13,800	13,800	Paw Creek	0	7429	Honey Flower Pl	Grease, roots, & paper main line blockage
14-Jan-03	4,500	4,500	Briar Creek	2	3031	Rodman St	Paper & grease main line blockage
15-Jan-03	2,650	1,325	Briar Creek	0	5100	Kistler Av	Undetermined factors caused main line blockage - employee forgot to fill overflow report out
15-Jan-03	6,350	6,350	Sugar Creek Little	0	9840	Pineville-Matthews Rd, Pineville	Grease main line blockage
15-Jan-03	11,250	5,625	Stewart Creek	0	500	North Hoskins Rd	Roots & debris main line blockage
16-Jan-03	20	20	Sugar Creek	0	540	Pressley Rd	Grease main line blockage
16-Jan-03	50	50	Taggart Creek	0	1431	Groewood Dr	Grease main line blockage
16-Jan-03	2,250	2,000	Briar Creek	0	3715	Havenwood Rd	Roots, grease, & paper main line blockage
16-Jan-03	3,640	1,020	McAlpine Creek	0	5131	Morrowick Rd	Grease main line blockage
17-Jan-03	100	100	McAlpine Creek	0	9607	Watergate Rd	Grease & roots main line blockage
17-Jan-03	200	200	Sugar Creek Little	0	701	Romany Rd	Grease main line blockage

January Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
17-Jan-03	1,905	0	N/A	0	20414	Middletown Rd, Cornelius	Grease & paper main line blockage
18-Jan-03	2,500,000	2,500,000	McDowell Creek	0		MCDOWELL CREEK WWTP, 4901 Neck Road, Huntersville	Operations Staff inadvertently closed the wrong valve while repairing a broken water line causing influent wastewater to backup in the line and spill out of manholes outside the plant.
18-Jan-03	200	200	Clarke North Prong Creek	0	4300	Hazlitt Ct	Roots main line blockage
18-Jan-03	2,505	1,753	McAlpine Creek	0	9432	Hunting Ct, Matthews	Roots & grease main line blockage
18-Jan-03	2,650	0	N/A	0	10981	Painted Tree Rd	Roots main line blockage **note: original overflow reported address - 10981 Tifton rd
19-Jan-03	400	400	Briar Creek	0	1821	Darbrook Dr	Roots & grease main line blockage
19-Jan-03	600	600	McIntyre Creek	0	9554	Feldbank Dr	Roots, grease, rock, & paper main line blockage
19-Jan-03	1,960	1,960	Edwards Branch	0	4816	Central Av	Grease main line blockage
19-Jan-03	2,650	2,650	McMullen Creek	0	10813	Treebark Dr	Roots & grease main line blockage
20-Jan-03	1,670	501.00	Irwin Creek	0	651	Fawnbrook Ln	Roots main line blockage
20-Jan-03	2,650	2,650	Sugar Creek Little	0	4814	Currituck Dr	Grease main line blockage
20-Jan-03	7,950	7,950	Stewart Creek	0	1525	Enderly Rd	Off-set pipe main line blockage
20-Jan-03	57,500	57,500	Briar Creek	0	3300	Latrobe Dr	Contractor placed large pipe on sewer line. Broken pipe was main problem. Grease also present. The call stated it was close to 3600 Randolph Road, approximately 2 miles from where overflow was discovered
22-Jan-03	2,505	2,505	Irwin Creek	0	4404	Stuart Andrew Bv	Grease main line blockage
25-Jan-03	50	0	N/A	0	7429	Honey Flower Pl	Grease & paper main line blockage
27-Jan-03	4,725	4,200	Irwin Creek	0		IRWIN CREEK WWTP, 4000 Westmont Drive	Cold weather froze and cracked the Washdown Valve at the Storm Flow Equalization Facility. Valve was replaced.
27-Jan-03	7,950	3,975	Irwin Creek	0	518	Beatties Ford Rd	Roots & paper main line blockage
29-Jan-03	5,000	200	Sugar Creek	0	1100	South Kings Dr	Contractor hit 10-inch dip sewer main, punched a hole in bottom of pipe. Very little flow on this pipe
29-Jan-03	20,700	20,700	Briar Creek	0	2414	Bonneville Dr	Grease, roots, paper, sand and silt in main line causing blockage
30-Jan-03	100	0	N/A	0	5200	Camilla Dr	Grease in main line causing blockage
31-Jan-03	50	25	Irwin Creek	0	3209	Credenza Rd	Grease and roots in main line causing blockage
31-Jan-03	1,270	889	McAlpine Creek	0	11401	Five Cedars Rd	Grease and paper in main line causing blockage
Month total = 52 spills	2,710,400	2,680,666		2			

February Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
03-Feb-03	75	75	McAlpine Creek	0	15720	John J Delaney Dr	Damaged pipe caused overflow
03-Feb-03	5,010	3,006	Paw Creek	0	1401	Weststone Dr	Roots blockage at mouth of manhole
04-Feb-03	200	200	Irwin Creek	0	3425	Mulberry Church Rd	Rocks main line blockage
04-Feb-03	3,340	1,670	Stewart Creek	0	701	Lawton Rd	Oil, grease, & paper main line blockage
04-Feb-03	3,975	3,975	Briar Creek	0	6000	The Plaza	Grease, paper, & rags main line blockage
05-Feb-03	50	25	McAlpine Creek tributary	0	720	Madras Ln	Grease main line blockage
05-Feb-03	2,250	2,025	McAlpine Creek	0	8301	Adrian Ct	Grease main line blockage
05-Feb-03	5,625	5,625	Doby Creek	0	10500	David Taylor Dr	Paint or unknown substance & paper main line blockage. While the clean-up crew were out 02/06/2003, the manhole backed up and spilled for 30 min. This added approximately 1,125 gallons to the spill.
06-Feb-03	400	400	Irwin Creek	0	2000	Wood Dale Tr	Grease main line blockage
06-Feb-03	1,670	1,670	Irwin Creek	0	2400	Elmin St	Roots & grease main line blockage
06-Feb-03	5,080	5,080	Sugar Creek	0	436	Cone Av, Pineville	Paper & grease main line blockage
07-Feb-03	1,270	0	N/A	0	6300	Bridgeport Dr	Grease main line blockage
08-Feb-03	200	100	McAlpine Creek	0	11841	Carmel Lakes Dr	Roots main line blockage
08-Feb-03	200	200	McIntyre Creek	0	9000	Feldbank Dr	Grease main line blockage
08-Feb-03	635	0	N/A	0	1313	Cedar Ln	Roots main line blockage
08-Feb-03	835	417	Sugar Creek Little	0	5316	Buckingham Dr	Grease main line blockage
09-Feb-03	20	0	N/A	0	4201	Randolph Rd	Grease & roots main line blockage
09-Feb-03	40	40	Toby Creek	0	9512	Robert Burns Ct	Roots main line blockage
11-Feb-03	40	0	N/A	0	2629	Booker Av	Broken pipe (pipe is concrete, it is being replaced)
11-Feb-03	50	0	N/A	0	813	Faircrest Dr	Roots in main line causing blockage
11-Feb-03	4,500	4,500	Paw Creek	0	1200	Browns Av	Grease, paper and debris in main line causing blockage (spill occurred in the rear of 1200 brown and marble st.)
11-Feb-03	8,100	8,100	Sugar Creek Little	0	916	South Kings Dr	Grease in main line causing blockage
12-Feb-03	20	0	N/A	0	4739	Woodway Pl	Grease main line blockage
12-Feb-03	200	0	N/A	0	7500	Sardis Rd	Grease main line blockage
12-Feb-03	635	635	Taggart Creek	0	4200	Westcliff Dr	Grease main line blockage
12-Feb-03	2,650	0	N/A	0	548	West Charles St, Matthews Park Willow Dr,	Grease main line blockage
14-Feb-03	350	350	McMullen Creek	0	10301	Pineville	Grease main line blockage
14-Feb-03	2,075	2,075	Paw Creek	0	4619	Westridge Dr	Roots & grease main line blockage behind this address
14-Feb-03	2,650	2,650	Taggart Creek	0	1200	Exchange St	Grease main line blockage

February Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
14-Feb-03	6,900	6,900	Sugar Creek Little	0	5914	Amberly	Paper, grease, & possible off-set pipe caused main line blockage
15-Feb-03	2,650	2,650	Stewart Creek	0	812	Cantwell St	Grease main line blockage
15-Feb-03	6,010	6,010	Swan Branch	0	5101	Gorham Dr	Roots main line blockage
17-Feb-03	10,350	10,350	Sugar Creek Little	0	800	Heather Ln	Roots, grease, & paper main line blockage
18-Feb-03	300	0	N/A	0	1454	Townes Rd	Grease main line blockage
19-Feb-03	300	30	McMullen Creek	0	3908	Bridgewood Ln	Roots main line blockage
19-Feb-03	800	720	Paw Creek	0	5801	Third St	Grease & roots main line blockage
20-Feb-03	150	150	Kings Branch	0	5400	Queen Anne Rd	Grease and roots in main line causing blockage
20-Feb-03	200	200	McMullen Creek	0	4140	Foxmoor Dr	Grease in main line causing blockage
20-Feb-03	2,650	2,650	McAlpine Creek	0	200	Kimrod Ln	Grease and roots in main line causing blockage
20-Feb-03	17,750	17,750	Briar Creek	0	4031	Malta Pl	Main line broken by contractor (ferebee corporation)
21-Feb-03	9,600	9,600	McMullen Creek	0	7702	Pineville-Matthews Rd	Undetermined
22-Feb-03	400	400	Briar Creek	0	6534	Covecreek Dr	Grease in main line causing blockage
22-Feb-03	15,000	15,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Inflow and infiltration into gravity system feeding lift station
23-Feb-03	950	0	N/A	0	10506	Sardis Oaks Rd	Grease and paper in main line causing blockage
24-Feb-03	400	400	McAlpine Creek	0	7111	Terrace Dr	Grease and roots in main line causing blockage
24-Feb-03	5,000	0	N/A	0	5400	Northern Dr	Grease in main line causing blockage
25-Feb-03	20	0	N/A	0	2609	Oakmeade Dr	Grease main line blockage
25-Feb-03	1,270	1,270	McAlpine Creek	0	8339	Tree Haven Dr	Grease and roots in main line causing a blockage
25-Feb-03	2,650	2,650	McAlpine Creek	0	5711	Cedars East Ct	Grease in main line causing blockage
25-Feb-03	4,600	4,600	Irwin Creek	0	1821	South Mint St	Grease in main line causing blockage
27-Feb-03	16,100	16,100	Irwin Creek	0	1515	Dewberry Tr	Grease & paper main line blockage
28-Feb-03	20	0	N/A	0	5707	Bellechasse St	Roots in main line causing blockage
28-Feb-03	600	450	Briar Creek	0	3608	Stonehaven Dr	Grease and roots in main line blockage
Month total = 53 spills	156,815	140,698		0			

March Date	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Mar-03	200	100	Sugar Creek	0	426	West Arrowood Rd	Roots in main line causing blockage
02-Mar-03	100	100	Sugar Creek	0	4745	Holbrook Dr	Roots in main line causing blockage
02-Mar-03	800	800	McMullen Creek	0	4230	Winfield Dr	Rocks in main line causing blockage
02-Mar-03	3,000	2,250	Mallard Creek	0	11211	Shandon Way Ln	Grease in main line causing blockage
02-Mar-03	400	0	N/A	0	16913	Hampton Crossing Dr, Huntersville	Grease in main line causing blockage
03-Mar-03	50	0	N/A	0	3312	Cambridge Rd	Grease and roots in main line causing blockage
03-Mar-03	400	400	Irwin Creek	0	1005	West Trade St	Grease and roots in main line causing blockage
04-Mar-03	30	0	N/A	0	9723	Four Mile Creek Rd	Grease in main line causing blockage
04-Mar-03	100	0	N/A	0	7532	Dorn Cr	Paper and debris in main line causing blockage
05-Mar-03	40	20	Stewart Creek	0	2600	Rozzelles Ferry Rd	Grease in main line causing blockage
05-Mar-03	200	20	Sugar Creek Little	0	4909	South Blvd	Grease in main line causing blockage
05-Mar-03	28,320	17,970	Irwin Creek	0	1609	Whisnant St	Grease, paper and garbage in main line causing blockage, first overflow was taken care of and within the same 24 hours the overflow reoccurred and took longer to clear blockage.
06-Mar-03	1,670	1,670	Sugar Creek Little	0	3210	Cedarhurst Dr	Tricycle in the line
06-Mar-03	6,250	6,250	Paw Creek	0	8924	Old Dowd Rd	Excessive inflow / infiltration in gravity system to pump station, due to heavy rain event.
06-Mar-03	7,500	7,500	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Inflow / infiltration in gravity line to pump station, due to heavy rain event
06-Mar-03	14,875	14,875	Briar Creek	0	4520	Perth Ct	Grease in main line causing blockage (easement 6 manholes overflowing)
06-Mar-03	15,000	15,000	Briar Creek	0	6534	Covecreek Dr	Roots and paper in main line causing blockage
07-Mar-03	10,650	5,325	Sugar Creek Little	0	6632	Brookcrest Dr	Grease and roots in main line causing blockage
08-Mar-03	200	200	McAlpine Creek	0	8200	Oakley Ln	Grease in main line causing blockage
08-Mar-03	2,650	2,650	Taggart Creek	0	3600	Meredith Av	Grease and debris in main line causing blockage
09-Mar-03	100	100	McAlpine Creek	0	8604	Mulberry Grove Rd	Roots intruding manhole
09-Mar-03	400	400	Toby Creek	0	6428	Creekstone Pl	Roots in main line causing blockage
09-Mar-03	1,325	1,325	Taggart Creek	0	1708	Burnette Av	Grease in main line causing blockage
09-Mar-03	2,670	801	Briar Creek	0	1022	Glenfiddich Dr	Grease in main line causing blockage
11-Mar-03	100	0	N/A	0	9308	Timberline Rd	Grease main line blockage
11-Mar-03	400	400	Four Mile Creek	0	4032	Woodfox Dr	Roots in main line causing blockage
12-Mar-03	800	400	McAlpine Creek	0	5800	Albemarle Rd	Grease main line blockage
14-Mar-03	700	700	Briar Creek	0	5418	Galway Dr	Grease and roots in main line causing blockage
14-Mar-03	5,080	5,080	Toby Creek	0	1001	Chancellor Park Dr	Grease, paper and debris in main line causing blockage
18-Mar-03	30	0	N/A	0	5000	Jackson Dr	Roots in main line causing blockage
18-Mar-03	3,550	887	Sugar Creek Little	0	2709	Burnt Mill Rd	Roots in main line causing blockage
19-Mar-03	20	0	N/A	0	5124	Carriage Drive Cr	Grease in main line causing blockage

March Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
19-Mar-03	400	0	N/A	0	6201	Spring Garden Ln	Grease main line blockage
20-Mar-03	750	750	Sugar Creek	0	1402	Iris Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	1,200	1,200	Stewart Creek	0	4208	Rochelle Ln	Heavy rains causing the system to surcharge and overflow
20-Mar-03	4,500	4,500	Rocky River West Branch	0	230	North Thompson St, Davidson	Heavy rains causing the system to surcharge and overflow
20-Mar-03	7,200	7,200	Briar Creek	0	1444	Andover Rd	Heavy rains causing the system to surcharge and overflow
20-Mar-03	7,200	7,200	Briar Creek	0	1633	Scotland Av	Heavy rains causing the system to surcharge and overflow
20-Mar-03	9,000	9,000	Briar Creek	0	1920	Vernon Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	9,600	9,600	Briar Creek	0	2415	Roswell Av	Heavy rains causing the system to surcharge and overflow
20-Mar-03	12,000	12,000	Briar Creek	0	5300	Galway Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	15,000	15,000	Clarke Creek South Prong	0	1110	Hudson Place, Davidson	Heavy rains causing the system to surcharge and overflow
20-Mar-03	18,000	18,000	Steele Creek	0	14921	Choate Cr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	21,250	21,250	Reedy Creek	0	7320	Plott Rd	Heavy rains causing the system to surcharge and overflow
20-Mar-03	24,000	24,000	McAlpine Creek	0	6629	Knightswood Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	36,000	36,000	McAlpine Creek	0	8130	Sherington Wy	Heavy rains causing the system to surcharge and overflow
20-Mar-03	42,000	42,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow
20-Mar-03	202,500	202,500	Briar Creek	0	516	Museum Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	432,000	432,000	Stewart Creek	0	1700	West Morehead St	Heavy rains causing the system to surcharge and overflow
20-Mar-03	1,728,000	1,728,000	Sugar Creek Little	0	2615	Wensley Dr	Heavy rains causing the system to surcharge and overflow
20-Mar-03	648,000	648,000	Paw Creek	0	8924	Old Dowd	Surcharge - all sewage entered creek - creek out of it's banks, engulfing the area around the station
22-Mar-03	1,670	1,670	Sugar Creek Little	0	4826	North Tryon St	Grease & paper main line blockage
23-Mar-03	20	0	N/A	0	5125	Dolphin Ln	Roots main line blockage
23-Mar-03	400	400	McAlpine Creek	0	3440	Sharon View Rd	Grease main line blockage
23-Mar-03	1,950	1,950	Campbell Creek Trib	0	1114	Bearmore Dr	Grease & paper main line blockage
24-Mar-03	1,400	1,400	Irwin Creek	0	2365	Tipton Dr	Pipe separated inside culvert
24-Mar-03	1,670	1,670	Sugar Creek Little	0	4007	Ashton Dr	Roots main line blockage
25-Mar-03	1,000	1,000	McAlpine Creek	0	9630	Watergate Rd	Blockage caused by roots
26-Mar-03	40	20	Briar Creek	0	3936	Woodgreen Tr	Roots
26-Mar-03	5,300	5,300	McMullen Creek	0	6455	Albemarle Rd	Grease and paper
26-Mar-03	5,300	5,300	McAlpine Creek	0	1335	Charter Pl	Roots & grease
27-Mar-03	3,340	0	N/A	0	5700	Freedom Dr	Broken sewer line caused by contractors
29-Mar-03	50	0	N/A	0	2342	Ainsdale Rd	Blockage caused by roots
29-Mar-03	200	200	Stewart Creek	0	2901	Coronet Wy	Grease & debris
29-Mar-03	400	400	McAlpine Creek	0	1232	Old Farm Rd	Roots

March Continued	Total Estimate (gallons)	Amount Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
30-Mar-03	200	200	McAlpine Creek	0	5727	Doncaster Dr	Roots blockage
31-Mar-03	600	600	McAlpine Creek	0	1510	Longbrook Dr	Roots and paper blockage
31-Mar-03	600	400	Kings Branch	0	245	Scottridge Dr	Roots blockage
31-Mar-03	2,250	2,250	Kings Branch	0	538	Farmhurst Dr	Grease blockage
Month total = 69 spills	3,352,600	3,326,183		0			

April Date	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
01-Apr-03	50	0	N/A	0	16700	Northcross Dr, Huntersville	Grease and a off-set joint
01-Apr-03	14,200	14,200	Briar Creek	0	3700	East Independence Bv	Rocks, bricks, dirt and paper cause of blockage
02-Apr-03	400	400	McMullen Creek	0	2330	Hamilton Mill Rd	Grease causing the blockage
02-Apr-03	6,300	3,150	McAlpine Creek	0	9010	Monroe RD	Pipe was clogged with grease causing the blockage
09-Apr-03	540,000	540,000	Briar Creek	0	2515	Colony RD	Heavy rains causing the system to surcharge and overflow
10-Apr-03	135	135	McAlpine Creek	0	7519	Creekwood Quorum	Heavy rains causing the system to surcharge and overflow
10-Apr-03	1,270	1,270	Stewart Creek	0	2700	Southwest	Blockage due to grease & roots
10-Apr-03	2,100	2,100	Little Hope Creek	0	4200	University	Heavy rains causing the system to surcharge and overflow
10-Apr-03	2,700	2,700	Little Sugar	0	926	Montford	Heavy rains causing the system to surcharge and overflow
10-Apr-03	3,000	3,000	McAlpine Creek	0	8130	Sherington	Heavy rains causing the system to surcharge and overflow
10-Apr-03	4,200	4,200	McAlpine Creek	0	6629	Knightswood	Heavy rains causing the system to surcharge and overflow
10-Apr-03	5,400	5,400	Clarke Creek Basin	0	1110	Hudson Place, Davidson	Heavy rains causing the system to surcharge and overflow
10-Apr-03	10,500	10,500	McAlpine Creek	0	6916	Lancer Dr	Heavy rains causing the system to surcharge and overflow
10-Apr-03	13,500	13,500	McAlpine Creek	0	8028	Nathaniel Greene Ln	Heavy rains causing the system to surcharge and overflow
10-Apr-03	14,400	14,400	Briar Creek	0	1444	Andover Rd	Heavy rains causing the system to surcharge and overflow
10-Apr-03	14,400	14,400	Briar Creek	0	2923	Rockbrook Dr	Heavy rains causing the system to surcharge and overflow
10-Apr-03	18,000	18,000	McAlpine Creek	0	5038	Carden Dr, Meck. County	Heavy rains causing the system to surcharge and overflow
10-Apr-03	18,000	18,000	McAlpine Creek	0	6700	Rugby Ln	Heavy rains causing the system to surcharge and overflow
10-Apr-03	28,750	28,750	Reedy Creek	0	7320	Plott Rd	Heavy rains causing the system to surcharge and overflow
10-Apr-03	30,800	30,800	Briar Creek	0	3033	Hampton Av	Heavy rains causing the system to surcharge and overflow
10-Apr-03	36,000	36,000	Briar Creek	0	4200	Vinetta Ct	Heavy rains causing the system to surcharge and overflow

April Continued	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
10-Apr-03	40,500	40,500	Campbell Creek	0	7622	Meadowdale Ln	Heavy rains causing the system to surcharge and overflow
10-Apr-03	50,400	50,400	Briar Creek	0	616	Colonnade Dr	Heavy rains causing the system to surcharge and overflow
10-Apr-03	70,500	70,500	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Excessive inflow infiltration during rain event
10-Apr-03	345,600	345,600	Briar Creek	0	2711	Randolph Rd	Heavy rains caused surcharging of lines
10-Apr-03	1,300,500	1,300,500	Paw Creek	0	8924	Old Dowd Rd, Meck. County	Excessive inflow/infiltration during rain event
11-Apr-03	20,850	20,850	Campbell Creek	0	6425	Springfield Dr	Gas tank, wood, rocks and foam in the line
11-Apr-03	39,600	39,600	Briar Creek	0	516	Museum Dr	Heavy rains causing the system to surcharge and overflow
11-Apr-03	54,000	54,000	Briar Creek	0	424	Eastover Rd	Heavy rains causing the system to surcharge and overflow
11-Apr-03	54,000	54,000	Briar Creek	0	1920	Vernon Rd	Heavy rains causing the system to surcharge and overflow
11-Apr-03	126,000	126,000	McAlpine Creek	0	4735	Carmel Rd	Heavy rains on the prior day caused surcharging system
14-Apr-03	50	50	Irwin Creek	0	4600	Wildwood Av	Surcharge / heavy rain
14-Apr-03	9,200	9,200	Diary Branch Trib.	0	2815	Baltimore Av	Grease and roots causing the system to back up and overflow
14-Apr-03	33,600	33,600	Lake Norman	0	18025	Jetton Rd, Cornelius	Jetton Rd pump station flooded, causing electrical shortage, thus "taking station out"
15-Apr-03	13,500	13,500	Irwin Creek	0	1828	Russell Av	Grease & paper contributed to blockage and spill - spill was off-street in rear of 1828 Russell Ave
16-Apr-03	150	0	N/A	0	7429	Tuckaseegee Rd	Roots
16-Apr-03	58,700	0	N/A	0	11832	Lansbury Ct	A contractor notified our crew of a possible spill due to the heavy rains last week. The crew did not see actual spill taking place - only the sewage that was within a contained area of about 100' wide & 1" deep. Crew estimated amount
17-Apr-03	2,670	2,670	Sardis Branch	0	9316	New Towne Dr, Matthews	Roots and grease caused the main line blockage
18-Apr-03	7,500	7,500	Briar Creek	0	2000	Providence Rd	Blockage causing overflow is unknown at this time, investigation is on going to determine the cause of the blockage
19-Apr-03	200	200	Briar Creek	0	855	Museum Dr	Grease blockage
19-Apr-03	1,325	1,325	Mullen Creek	0	4310	Craig Av	Root mass in the sewer main
20-Apr-03	400	400	Campbell Creek	0	7148	Fox Hunt Rd	Roots & grease
20-Apr-03	5,200	2,600	McAlpine Creek	0	8324	Woodgate Ln	Roots and grease
21-Apr-03	400	20	McAlpine Creek	0	5241	Cressingham Ct	Grease
21-Apr-03	600	0	N/A	0	15746	Agincourt Dr, Huntersville	Paper, grease and paper towels caused blockage
21-Apr-03	1,600	1,600	Clarks Creek South Prong	0	13812	Cinnabar Pl, Huntersville	Cut or crushed main line
22-Apr-03	600	300	Kings Branch	0	9301	Nations Ford Rd	Roots and grease caused blockage

April Continued	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
22-Apr-03	800	0	N/A	0	5032	Churchill Dr	Roots & grease caused spill
22-Apr-03	20,182	6,660	Rocky River West Branch South	0	701	South St, Davidson	Power outage and generator failure
23-Apr-03	500	0	N/A	0	915	West Hebron St	Roots, grease and paper contributed to spill
25-Apr-03	3	0	N/A	0	7319	Lakeside Dr	Roots
26-Apr-03	50	25	McAlpine Creek	0	5944	Old Providence Rd	Roots
26-Apr-03	980	490	Campbell Creek	0	6800	Reddman RD	Grease
26-Apr-03	9,000	9,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Inflow infiltration during rain event at first manhole next to station
27-Apr-03	490	0	N/A	0	4222	Blalock Av	Roots
27-Apr-03	750	0	N/A	0	19738	Zion Av, Cornelius	Force main cracked
28-Apr-03	2,250	1,125	Four Mile Creek	0	4217	Burning Tree Dr	Roots
28-Apr-03	6,000	3,000	Rocky River South Branch West	0	701	South St, Davidson	Station shut down to repair broken force main.
29-Apr-03	750	0	N/A	0	3616	Rodwell Rd	Spill was cause by a lot clearing company digging up and crushing the sewer main
Month total = 59 spills	3,043,505	2,956,120		0			

May Date	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
02-May-03	50	0	N/A	0	901	Munday Ct	Main line blockage was caused by a root mass
02-May-03	2,540	2,540	McAlpine Creek	0	6915	Pleasant Dr	A root mass in the sewer main caused the blockage
03-May-03	7,830	3,915	Briar Creek	0	4701	Belle Plaine Dr	Manhole had dropped pipe - also grease
04-May-03	2,400	1,920	Irwin Creek	0	3148	Amay James Av	Grease and roots caused the overflow
06-May-03	1,125	1,125	Irwin Creek	0	2500	West Bv	Grease caused the overflow
07-May-03	25	0	N/A	0	6806	Marlbrook Dr	Note: sewer system was not overflowing when crew arrived. System was backed-up possible sewer debris
07-May-03	200	0	N/A	0	3718	Ellington ST	Grease and roots causing an overflow
09-May-03	100	100	Little Hope Creek	0	1001	Sewickly Dr	Grease and roots causing the system to overflow
09-May-03	1,325	662	Taggart Creek	0	2930	North I-85 Hwy	Grease and roots causing the system to overflow
10-May-03	50	0	N/A	0	1817	Russell AV	Roots & grease. Spill occurred from clean out after crew took cap off.
10-May-03	835	835	Irwin Creek	0	3449	Manchester Dr Chipstone Rd,	Roots, grease and paper contributed to spill
11-May-03	400	400	Mallard Creek	0	2109	Meck. County	Rocks, bricks and debris

May Continued	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
10-May-03	835	835	Irwin Creek	0	3449	Manchester Dr	Roots, grease and paper contributed to spill
11-May-03	400	400	Mallard Creek	0	2109	Chipstone Rd, Meck. County	Rocks, bricks and debris
12-May-03	100	75	Lake Norman	0	17710	Largo Pl, Cornelius	Low pressure box was broken by concrete truck.
12-May-03	231	231	Lake Norman	0	22938	Torrence Chapel Rd, Cornelius	Manhole just down from Torrence Chapel lift station @ 22938 Torrence Chapel Rd. Control system failure - found two improperly terminated wires and one faulty "push in" type terminal strip on alarm/backup control float
12-May-03	5,300	5,300	Briar Creek	0	6832	Sterling CT	Grease & roots
12-May-03	8,790	2,637	Steel Creek	0	2102	Cambridge Beltway Dr	Rocks, bricks and debris
12-May-03	23,400	23,400	Sugar Creek	0	9500	South BV	Broken creek crossing pipe down
13-May-03	400	0	N/A	0	10236	Old Carolina Dr, Meck. County	Manhole filled with dirt & rocks caused the system to back up and overflow
13-May-03	835	208	Briar Creek	0	5426	Viewmont Dr	Roots and grease blockage caused the system to overflow
13-May-03	2,650	2,385	Coffee Creel	0	8916	Pioneer AV	Grease and rock blockage causing the system to overflow
14-May-03	200	100	McMullen Creek	0	3912	Waterford Dr	Roots and grease blockage causing the system to overflow
15-May-03	835	835	Taggart Creek	0	5039	Airport Center Py	Roots, paper and rock blockage caused the system to back up and overflow
15-May-03	980	441	Paw Creek	0	1430	Allenbrook Dr	5 manholes were vandalized with rocks trash and wooden products causing the system to back - up and overflow
16-May-03	12,100	12,100	Briar Creek	0	1800	Providence Rd	A main line blockage due to bricks and a crushed hard hat caused the system to back up and overflow
21-May-03	100	100	Briar Creek	0	2219	East 7th ST	Roots, grease and paper caused the system to overflow
21-May-03	6,900	6,900	Toby Creek	0	725	East Mallard Creek Church Rd	Grease, paper, bottles and cans caused the system to overflow
22-May-03	60	60	Little Sugar Creek	0	1748	Sterling Rd	Heavy rains causing the system to surcharge and overflow
22-May-03	400	0	N/A	0	5126	Possum Trot Ln	Grease, paper and a section of plastic pipe caused the system to back up and overflow
22-May-03	3,050	3,050	Stewart Creek	0	1945	Camp Greene St	Tree roots caused the system to back up and overflow
22-May-03	3,340	1,670	Little Sugar Creek	0	817	Wriston Pl	Grease and roots caused the system to back up and overflow
22-May-03	7,500	7,500	Little Sugar Creek	0	4700	Cinderella Rd	Grease and roots caused the system to back up and overflow
22-May-03	9,600	9,600	Hope Creek	0	4556	Bradbury Dr	Heavy rains causing the system to surcharge and overflow
22-May-03	12,000	12,000	Mcalpine Creek	0	8028	Nathanael Greene Ln	Heavy rains causing the system to surcharge and overflow
22-May-03	24,000	24,000	Little Sugar Creek	0	2936	Westfield Rd	Heavy rains causing the system to surcharge and overflow
22-May-03	36,000	36,000	Little Sugar Creek	0	2333	Wensley Dr	Heavy rains causing the system to surcharge and overflow
22-May-03	148,500	148,500	Clark Creek South Prong	0	14207	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow

May Continued	Total Estimate (gallons)	Volume Reaching Surface Water (gallons)	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
22-May-03	165,700	165,700	Reedy Creek	0	7320	Plott Rd	Heavy rains causing the system to surcharge and overflow
22-May-03	432,000	432,000	Stewart Creek	0	1637	West Morehead St	Heavy rains causing the system to surcharge and overflow
22-May-03	158,400	158,400	Briar Creek	0	1626	Scotland Av	Heavy rains causing the system to surcharge and overflow
22-May-03	216,000	216,000	Briar Creek	0	1909	Vernon Dr	Heavy rains causing the system to surcharge and overflow
22-May-03	226,800	226,800	Briar Creek	0	3033	Hampton Av	Heavy rains causing the system to surcharge and overflow
22-May-03	2,520,000	2,520,000	Paw Creek	0	8924	Old Dowd Rd	Heavy rains causing the system to surcharge and overflow
22-May-03	4,752,000	4,752,000	Mcalpine Creek	0	11820	Lansbury Ct	Heavy rains causing the system to surcharge and overflow
23-May-03	5,250	5,250	Lake Norman	0	18400	Jetton Rd, Cornelius	An 8-inch force main air release valve that developed a leak around one of the seals caused the spill
23-May-03	48,000	48,000	McAlpine Creek	0	6527	Greenway Bend Dr	An 8-inch sanitary main aerial crossing collapsing due to heavy rains, which flooded the creek, caused spill
25-May-03	45,000	45,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow
27-May-03	100	100	None	0	1600	Village Brook Dr	Grease and roots caused the system to back up and overflow
28-May-03	400	400	None	0	4107	Wild Partridge Rd	Grease and roots caused the system to back up and overflow
30-May-03	50	50	None	0	5435	Fernhill Dr	Roots caused the system to back up and overflow
30-May-03	1,200	1,200	Little Sugar Creek Trib	0	6600	Park Rd	Grease and roots caused the system to back up and overflow
30-May-03	5,300	5,300	Irwin Creek Trib	0	1930	Camden Rd	Grease caused the system to back up and overflow
Month total = 51 spills	8,900,351	8,884,789		0			

June Date	Total Estimate	Volume Reaching Surface Water	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
02-Jun-03	1,252	1,252	McAlpine Creek Trib	0	1714	Piccadilly Dr	Grease, roots and sand/silt dirt cause the system to overflow
02-Jun-03	10,650	10,650	McIntyre Creek Trib	0	9230	Trinty Rd	Grease caused the system to back up and overflow
03-Jun-03	30	30	None	0	120	North Cedar St	Grease caused the system to back up and overflow
03-Jun-03	18,750	18,750	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow
06-Jun-03	1,200	0	N/A	0	7025	Starvalley Dr	Grease caused the system to back up and overflow. Note: overflow did not reach a water source, but did exceed the 1000-gallon reportable spill requirements
06-Jun-03	1,670	1,670	Briar Creek	0	4831	Eaves Ln	Grease, sand & silt causing the system to overflow
07-Jun-03	2,650	2,650	Flat Branch	0	9802	Southampton Commons Dr	Wooden board and paper had the mouth on the out going side of the manhole blocked causing the system to back up and overflow
07-Jun-03	18,000	18,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow

June Continued	Total Estimate	Volume Reaching Surface Water	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
07-Jun-03	18,000	18,000	Clark Creek South Prong	0	14201	Old Vermillion Dr, Huntersville	Heavy rains causing the system to surcharge and overflow
07-Jun-03	270,000	270,000	McAlpine Creek	0	11820	Lansbury Ct	Heavy rains causing the system to surcharge and overflow
07-Jun-03	60,000	60,000	Reedy Creek Unnamed Trib	0	7320	Plott Rd	Heavy rains causing the system to surcharge and overflow
07-Jun-03	918,000	918,000	Paw Creek / Lake Wylie	0	8924	Old Dowd Rd	Heavy rains causing the system to surcharge and overflow
08-Jun-03	25	0	N/A	0	6509	Santa Cruz TI	Roots caused the system to back up and overflow
08-Jun-03	2,650	2,650	McMullen Creek Trib	0	2043	Knickerbocker Dr	Grease causing the system to back up and overflow
09-Jun-03	4,200	4,200	McMullen Creek	0	2035	Knickerbocker Dr	A construction company dumped bricks, rocks and gravel into a manhole causing the system to back up and overflow
09-Jun-03	6,450	6,450	McMullen Creek Trib	0	1201	Delane AV	Grease and roots caused the system to back up and overflow
09-Jun-03	288,000	288,000	McAlpine Creek	0	11820	Lansbury Ct	Heavy rains causing the system to surcharge and overflow
10-Jun-03	100	0	N/A	0	1800	Pineville-Matthews Rd	General lateral blockage due to paper caused to lateral back up and overflow
10-Jun-03	200	200	Irwin Creek	0	2233	Matthews Township Py, Matthews	Grease caused the system to back up and overflow
11-Jun-03	5,715	2,858	Sugar Creek	0	8809	Windsong Dr	Grease, roots and paper caused the system to back up and overflow
12-Jun-03	980	980	Briar Creek Trib	0	3621	Randolph Rd	General sewer debris was built up in the mouth of the manhole causing the system to back up and overflow
13-Jun-03	400	100	McAlpine Creek	0	9010	Monroe Rd	8-inch sewer main aerial crossing collapsed due to the rain storm on 6/07/03
16-Jun-03	400	400	McAlpine Creek	0	9010	Monroe Rd	An airplug that was retaining wastewater blew out Note: this is the same system that we had an 8-inch aerial crossing collapse on 6/13/03. We have the system plugged to contain the flow and we are pumping the wastewater to another system
16-Jun-03	5,850	5,850	Irwin Creek Trib.	0	621	West BV	A drainage ditch washed out causing the sewer main to become exposed and then collapsed by debris
16-Jun-03	7,950	5,962	Stewart Creek	0	2636	Freedom Dr	Grease and paper caused the system to back up and overflow
18-Jun-03	9,200	9,200	Little Hope Creek	0	4042	Conway Dr	Grease caused the system to back up and overflow
19-Jun-03	310	310	Four Mile Creek	0	2817	High Ridge Rd	Collapsed line due to heavy rains washing a section of sewer main
20-Jun-03	635	635	Briar Creek Trib	0	1938	Eastway Dr	Grease caused the system to back up and overflow
21-Jun-03	100	100	McAlpine Creek Trib.	0	3927	Black Sycamore Dr	Grease caused the system to back up and overflow
22-Jun-03	5	5	None	0	2600	Double Oaks Rd	Grease and roots caused the system to back up and overflow
23-Jun-03	200	200	Little Sugar Creek	0	1801	Carlanda Cr	Roots & grease caused the system to back up and overflow
23-Jun-03	1,400	1,400	McAlpine Creek Trib.	0	1322	East Barden Rd	Roots caused the system to back up and overflow

June Continued	Total Estimate	Volume Reaching Surface Water	Surface Water Name	# Fish Killed	Block	Street Name	Cause of Spill / Bypass
23-Jun-03	7,505	7,505	McAlpine Creek Trib	0	7053	Rocky Falls Rd	General sewer debris caused the system to overflow
23-Jun-03	158,413	158,413	Stewart Creek	0	1800	Freedom Dr	Vandalism (i.e. chair, golf bag, drive shaft, freon tank etc) causing the system to back up and overflow
24-Jun-03	10,855	10,855	Briar Creek	0	4831	Eaves Ln	A section of sewer main collapsed during a rainstorm causing waster water to spill into a nearby creek
25-Jun-03	2,940	2,940	McAlpine Creek Trib	0	7067	Rocky Falls Rd	Roots
25-Jun-03	4,900	4,900	McAlpine Creek Trib	0	8437	Barnclyff Rd	Damaged pipe. Collapsed section of sewer main in creek caused by heavy rains washing a section out
26-Jun-03	1,200	1,200	Briar Creek	0	1200	Commonwealth Av	Grease and roots caused the system
26-Jun-03	2,250	2,250	McAlpine Creek	0	7545	Valleybrook Ln	Grease and roots caused the system to back up and overflow
27-Jun-03	5,350	5,350	McAlpine Creek Trib	0	7305	Hackberry Ln	Grease & roots caused the system to back up and overflow
Month total = 40 spills	1,848,385	1,841,915		0			

TOTAL # OF FY03 COLLECTION SYSTEM SPILLS: 532

TOTAL # OF FY03 PLANT SPILLS: 6

VOLUME SAFELY COLLECTED, TREATED & DISCHARGED: 31,650,000,000 GALLONS

TOTAL VOLUME OF FY03 SPILLED: 21,319,973 GALLONS

TOTAL VOLUME OF FY03 THAT REACHED SURFACE WATERS: 20,681,677 GALLONS

% OF WASTWATER SAFELY COLLECTED, TREATED AND RELEASED DURING FY03: more than 99.932%

FY02: more than 99.995%

FY01: more than 99.99%

FY00: more than 99.97%

SECTION IIB. Permit Compliance and Reporting Violations, by plant

PLANT NAME	MONTH	PERMIT LIMIT COMPLIANCE	REPORTING REQUIREMENT COMPLIANCE
Irwin Creek WWTP	July, 2002	Compliant	Compliant
Irwin Creek WWTP	August, 2002	Compliant	Compliant
Irwin Creek WWTP	September, 2002	Compliant	Compliant
Irwin Creek WWTP	October, 2002	Compliant	Compliant
Irwin Creek WWTP	November, 2002	Compliant	Compliant
Irwin Creek WWTP	December, 2002	Compliant	Compliant
Irwin Creek WWTP	January, 2003	Compliant	Field samples were not collected on 1/23, they were collected for an extra day on 1/25.
Irwin Creek WWTP	February, 2003	Compliant	Field samples were not collected on 2/17 due to inclement weather conditions. Samples were collected on Saturday 2/22.
Irwin Creek WWTP	March, 2003	Compliant	Compliant
Irwin Creek WWTP	April, 2003	Compliant	Compliant
Irwin Creek WWTP	May, 2003	Compliant	Compliant
Irwin Creek WWTP	June, 2003	Compliant	Compliant
Mallard Creek WWTP	July, 2002	Compliant	Compliant
Mallard Creek WWTP	August, 2002	Compliant	Compliant
Mallard Creek WWTP	September, 2002	Compliant	Compliant
Mallard Creek WWTP	October, 2002	Compliant	Compliant
Mallard Creek WWTP	November, 2002	Compliant	Compliant
Mallard Creek WWTP	December, 2002	Compliant	Compliant

PLANT NAME	MONTH	PERMIT LIMIT COMPLIANCE	REPORTING REQUIREMENT COMPLIANCE
Mallard Creek WWTP	January, 2003	Compliant	Field samples were not collected on 1/23 or 1/24, due to inclement weather conditions. Samples were collected on Saturday 1/24.
Mallard Creek WWTP	February, 2003	Flow violation due to wet weather	Field samples were not collected on 2/17 due to inclement weather conditions. Samples were collected on Saturday 2/22.
Mallard Creek WWTP	March, 2003	Flow violation due to wet weather	Field samples were not collected on 3/20 due to creek flooding. Samples were collected on Saturday 3/22.
Mallard Creek WWTP	April, 2003	Flow violation due to wet weather	Field samples were not collected on 4/7, 4/9 or 4/10 due to creek flooding. Samples were collected on Saturday 4/12.
Mallard Creek WWTP	April, 2003	Weekly average fecal coliform violation 4/7 - 4/12, due to wet weather	Compliant
Mallard Creek WWTP	May, 2003	Flow violation due to wet weather	Field samples were not collected on 5/22 due to creek flooding. Samples were collected on Saturday 5/24.
Mallard Creek WWTP	June, 2003	Flow violation due to wet weather	Compliant
Mallard Creek WWTP	June, 2003	Weekly average fecal coliform violation 6/15 - 6/21, due to wet weather	Compliant
McAlpine Creek WWTP	July, 2002	Compliant	Missed sampling one week at the Creek Sample Site LSC1 for Temperature, DO and Conductivity
McAlpine Creek WWTP	August, 2002	Compliant	Missed sampling at the Creek Sample Site LSC1 for Temperature, DO and Conductivity the week of 8/11 - 8/17. The sample should have been collected by the contract lab, but they missed it.
McAlpine Creek WWTP	September, 2002	Compliant	Missed analysis for Lindane the week of 9/15- 9/21 due to the lab losing the only sample during the extraction process.
McAlpine Creek WWTP	October, 2002	Compliant	Compliant
McAlpine Creek WWTP	November, 2002	Compliant	Compliant

PLANT NAME	MONTH	PERMIT LIMIT COMPLIANCE	REPORTING REQUIREMENT COMPLIANCE
McAlpine Creek WWTP	December, 2002	Compliant	Compliant
McAlpine Creek WWTP	January, 2003	Compliant	Field samples were not collected on 1/23, they were collected for an extra day on 1/25.
McAlpine Creek WWTP	February, 2003	Compliant	Field samples were not collected on 2/17 due to inclement weather conditions. Samples were collected on Saturday 2/22.
McAlpine Creek WWTP	March, 2003	Compliant	Field samples were not collected on 3/20 due to creek flooding. Samples were collected on Saturday 3/22.
McAlpine Creek WWTP	April, 2003	Compliant	Field samples were not collected on 4/9 or 4/10 due to creek flooding. Samples were collected on Saturday 4/12.
McAlpine Creek WWTP	May, 2003	Compliant	Field samples were not collected on 5/6, 5/22 or 5/23 due to creek flooding. Samples were collected on Saturday 5/10 and 5/24.
McAlpine Creek WWTP	June, 2003	Compliant	Field samples were not collected on 6/19 due to creek flooding. Samples were collected on Saturday 6/21.
McDowell Creek WWTP	July, 2003	Compliant	Compliant
McDowell Creek WWTP	August, 2002	Compliant	The upstream sample site for the week of 8/7 - 8/13 was not collected. The stream bed was dry
McAlpine Creek WWTP	September, 2002	Compliant	Compliant
McDowell Creek WWTP	October, 2002	Compliant	The in house lab failed to collect the monthly downstream creek sample for phosphorus, ammonia, TKN, NOX, and chlorophyll-a.
McDowell Creek WWTP	November, 2002	Compliant	Compliant
McDowell Creek WWTP	December, 2002	Compliant	Compliant
McDowell Creek WWTP	January, 2003	Compliant	Field samples were not collected on 1/23 or 1/24, due to inclement weather conditions. Samples were collected on Saturday 1/24.

PLANT NAME	MONTH	PERMIT LIMIT COMPLIANCE	REPORTING REQUIREMENT COMPLIANCE
McDowell Creek WWTP	February, 2003	Compliant	Field samples were not collected on 2/17 due to inclement weather conditions. Samples were collected on Saturday 2/22.
McDowell Creek WWTP	March, 2003	Flow violation due to wet weather	Compliant
McDowell Creek WWTP	April, 2003	Flow violation due to wet weather	Compliant
McDowell Creek WWTP	May, 2003	Flow violation due to wet weather	Compliant
McDowell Creek WWTP	June, 2003	Flow violation due to wet weather	Compliant
Sugar Creek WWTP	July, 2002	Compliant	Compliant
Sugar Creek WWTP	August, 2002	Compliant	Compliant
Sugar Creek WWTP	September, 2002	Compliant	Compliant
Sugar Creek WWTP	October, 2002	Compliant	Compliant
Sugar Creek WWTP	November, 2002	Compliant	Compliant
Sugar Creek WWTP	December, 2002	Compliant	Compliant
Sugar Creek WWTP	January, 2003	Compliant	Field samples were not collected on 1/23, they were collected for an extra day on 1/25. However, due to cold conditions, the Total Residual Chlorine sample was not collected on 1/24.
Sugar Creek WWTP	February, 2003	Compliant	Field samples were not collected on 2/17 due to inclement weather conditions. Samples were collected on Saturday 2/22.
Sugar Creek WWTP	March, 2003	Compliant	Field samples were not collected on 3/20 due to creek flooding. Samples were collected on Saturday 3/22.
Sugar Creek WWTP	April, 2003	Weekly average cBOD violation 4/7 - 4/12, due to wet weather	Compliant
Sugar Creek WWTP	May, 2003	Toxicity test failed - reason unknown. Second sample later in the month passed at >100%. Monitoring twice monthly to make sure we are now in compliance will continue through July, 2003	Compliant
Sugar Creek WWTP	June, 2003	Compliant	Compliant
		Compliant	Compliant

PLANT NAME	MONTH	PERMIT LIMIT COMPLIANCE	REPORTING REQUIREMENT COMPLIANCE
McDowell Park WWTP	July, 2002	Compliant	Compliant
McDowell Park WWTP	August, 2002	Compliant	Compliant
McDowell Park WWTP	September, 2002	Compliant	Compliant
McDowell Park WWTP	October, 2002	Compliant	Compliant
McDowell Park WWTP	November, 2002	Compliant	Compliant
McDowell Park WWTP	December, 2002	Compliant	Compliant
McDowell Park WWTP	January, 2003	Compliant	Compliant
McDowell Park WWTP	February, 2003	Compliant	Compliant
McDowell Park WWTP	March, 2003	Compliant	Compliant
McDowell Park WWTP	April, 2003	Compliant	Compliant
McDowell Park WWTP	May, 2003	Compliant	Compliant
McDowell Park WWTP	June, 2003	Compliant	Compliant