INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH December YEAR 2013

.CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2	1100	24	6.3	15	212 4	28.6	263							
3														
4														
5														
6														
7														
8														
9	1031	24	7.3	14	179	20.3	236							
10														
11														
12														
13														
14														
15														
16	1018	24	7.2	14	195 4	14.3	250							
17														
18														
19														
20														
21														
22														
23	0800	24	6.6	14	234 4	13.5	460							
24	Holiday													
25	Holiday													
26	Holiday													
27														
28														
29														
30	1016	24	7.3	14	191	13.2	235							
31														
Average				14	202	18.0	289			99	99			
Maximum			7.3	15	234	28.6	460							
Minimum			6.3	14	179	13.2	235							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH December YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody L. Ledford 1-16-14

(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1			N	0.083														
2	0800	6	Y	0.106	10	6.2		2.5 4	0.75	1.0	1	6.5			16.6	98.4		
3	0800	7.5	Y	0.194														
4	0800	6	Y	0.167														
5	0800	7	Y	0.177														
6	0800	6.5	Y	0.181			<20											
7			N	0.191														
8			N	0.132														
9	0800	7	Y	0.124	16	6.9		2.3	0.12	<1.0	<1	8.3						
10	0800	7	Y	0.239														
11	0800	6	Y	0.211			<20											
12	0800	6	Y	0.192														
13	0800	7.5	Y	0.154														
14			N	0.151														
15			N	0.223														
16	0800	7.5	Y	0.162	16	6.8		3.2 4	0.16	2.0	<1	7.9						
17	0800	6	Y	0.208														
18	0800	5	Y	0.141			<20											
19	0800	7	Y	0.184														
20	0800	6	Y	0.161														
21			N	0.121														
22			N	0.165														
23	0730	6	Y	0.424	14	6.2	<20	3.7 4	1.13	4.4	28	6.6						
24			H	0.355	Holiday													
25			H	0.227	Holiday													
26			H	0.139	Holiday													
27	1200	0.75	B	0.189														
28			N	0.146														
29			N	0.124														
30	0800	4	Y	0.267	16	6.9	<20	2.6	0.16	2.8	4	8.2						
31	0800	6	Y	0.216														
AVERAGE				0.186	14		0	2.9	0.46	2.0	3	7.5			16.6	98.4		
MAXIMUM				0.424	16	6.9	<20	3.7	1.13	4.4	28	8.3			16.6	98.4		
MINIMUM				0.083	10	6.2	<20	2.3	0.12	<1.0	<1	6.5			16.6	98.4		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						P/F

NPDES NO.	NC0081370	DISCHARGE NO.	001	MONTH	December
YEAR	2013				
FACILITY NAME	McLin Creek - City of Claremont	COUNTY	Catawba		
STREAM	McLin Creek	STREAM	McLin Creek		
LOCATION	Bethany Church Rd.	LOCATION	Old Catawba Rd.		

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4	1250	13	9.5						
5									
6									
7									
8									
9									
10									
11	1121	5.9	11.6						
12									
13									
14									
15									
16									
17	1251	8.7	10.9						
18									
19									
20									
21									
22									
23	1445	9.3	12.0						
24	Holiday								
25	Holiday								
26	Holiday								
27									
28									
29									
30									
31									
Average		9.2	11.0						
Maximum		13	12.0						
Minimum		5.9	9.5						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1230	13	9.8						
1100	5.6	11.8						
1304	8.0	11.3						
1250	8.8	12.7						
Holiday								
Holiday								
Holiday								
Avg	8.9	11.4						
Max	13	12.7						
Min	5.6	9.8						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH November YEAR 2013

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5	0715	24	7.3	17	327 [1]	34.6	520							
6														
7														
8														
9														
10														
11	1100	24	6.2	14	153 [1]	29.0	273							
12														
13														
14														
15														
16														
17														
18	1017	24	7.4	14	198	24.3	243							
19														
20														
21														
22														
23														
24														
25	0940	24	6.4	10	96 [1]	30.1	194							
26														
27														
28	Holiday													
29	Holiday													
30														
31														
Average				14	194	29.5	308			98	99			
Maximum			7.4	17	327	34.6	520							
Minimum			6.2	10	96	24.3	194							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH November YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 12-20-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0800	7	Y	0.171														
2			N	0.250														
3			N	0.108														
4	0830	7.5	Y	0.161														
5	0800	5	Y	0.154	15	7.0		4.7 [4]	0.24	3.6	<1	8.1			<5	66.5		
6	1200	4	Y	0.145			<20											
7	0800	6	Y	0.145														
8	0845	0.5	B	0.141														
9			N	0.132														
10			N	0.103														
11	0800	2	Y	0.116	15	6.1		3.5 [4]	0.11	2.0	<1	6.6						
12	0800	5	Y	0.142			<20											
13	0800	5	Y	0.148														
14	0800	6	Y	0.146														
15	0800	6.5	Y	0.126														
16			N	0.138														
17			N	0.111														
18	0800	6	Y	0.143	17	6.8		3.3	0.15	2.2	<1	7.7						
19	0800	5	Y	0.140														
20	0800	6	Y	0.144			<20											
21	0800	7	Y	0.134														
22	0800	7	Y	0.147														
23			N	0.126														
24			N	0.101														
25	0800	7	Y	0.097	9.7	6.2		2.8 [4]	<0.10	<1.0		6.6						
26	0800	7.5	Y	0.131			<20				1							
27	0730	7.5	Y	0.462														
28			H	0.258	Holiday													
29			H	0.165	Holiday													
30			N	0.105														
31																		
AVERAGE				0.153	14		0	3.6	0.13	2.0	1	7.3			0	66.5		
MAXIMUM				0.462	17	7.0	<20	4.7	0.24	3.6	1	8.1			<5	66.5		
MINIMUM				0.097	9.7	6.1	<20	2.8	<0.10	<1.0	<1	6.6			<5	66.5		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH November YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4									
5	1240	13	10						
6									
7									
8									
9									
10									
11									
12									
13									
14	1411	9.9	11						
15									
16									
17									
18									
19	0935	9.1	11						
20									
21									
22									
23									
24									
25									
26	1420	10	11						
27									
28	Holiday								
29	Holiday								
30									
31									
Average		11	11						
Maximum		13	11						
Minimum		9.1	10						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1301	13	10						
1350	9.6	12						
0915	9.4	11						
1440	9.8	12						
Holiday								
Holiday								
Avg	10	11						
Max	13	12						
Min	9.4	10						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH October YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5														
6														
7	1130	24	5.7	20	168	30.7	220							
8														
9														
10														
11														
12														
13														
14														
15	0925	24	7.6	15	327	31.4	480							
16														
17														
18														
19														
20														
21	0948	24	7.3	15	177	39.2	258							
22														
23														
24														
25														
26														
27														
28	0822	24	7.5	13	183	25.0	223							
29														
30														
31														
Average				16	214	31.6	295			97	99			
Maximum			7.6	20	327	39.2	480							
Minimum			5.7	13	168	25.0	220							
Comp.(C)/Grab (G)			G	G	C	C	C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH October YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 11-22-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0800	7.5	Y	0.164														
2	0800	6	Y	0.171														
3	0800	7	Y	0.157			<20											
4	0800	7	Y	0.154														
5			N	0.131														
6			N	0.129														
7	0800	1	Y	0.130	21	6.2		9.9 4	0.13	4.4	<1	6.7	10	4.1	6.5	68.0	1.45	
8	0800	7.5	Y	0.190														
9	1130	4.5	Y	0.164			<20											
10	0800	6.5	Y	0.133														
11	0800	7	Y	0.159														
12			N	0.143														
13			N	0.177														
14	0800	7	Y	0.076														P
15	0800	6	Y	0.150	18	7.1	<20	7.8	0.13	4.4	<1	7.8						
16	0800	7.5	Y	0.151														
17	0800	7.5	Y	0.159														
18	0800	7	Y	0.189														
19			N	0.147														
20			N	0.105														
21	0800	7	Y	0.122	17	7.0	<20	4.2 1	0.11	3.0	4	7.2						
22	0800	7.5	Y	0.112														
23	0800	7.5	Y	0.168														
24	0800	7.5	Y	0.200														
25	0620	0.5	Y	0.093														
26			N	0.133														
27			N	0.085														
28	0800	7	Y	0.104	15	6.9	<20	4.7 1	0.11	2.8		7.9						
29	0800	7.5	Y	0.148							39							
30	0800	6	Y	0.130														
31	0800	7.5	Y	0.154														
AVERAGE				0.143	18		0	6.7	0.12	3.7	4	7.4	10	4.1	6.5	68.0	1.45	P
MAXIMUM				0.200	21	7.1	<20	9.9	0.13	4.4	39	7.9	10	4.1	6.5	68.0	1.45	P
MINIMUM				0.076	15	6.2	<20	4.2	0.11	2.8	<1	6.7	10	4.1	6.5	68.0	1.45	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH October YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3	1445	11	9.9						
4									
5									
6									
7									
8									
9									
10									
11	1123	16	9.6						
12									
13									
14									
15									
16	0950	15	8.6						
17									
18									
19									
20									
21									
22									
23									
24	1130	10	10.4						
25									
26									
27									
28	1100	11	10.1						
29									
30									
31									
Average		13	9.7						
Maximum		16	10.4						
Minimum		10	8.6						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1425	10	10.5						
1145	17	9.6						
0930	15	8.4						
1150	9.9	11.0						
1124	12	10.2						
Avg	13	9.9						
Max	17	11.0						
Min	9.9	8.4						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH September YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2	Holiday													
3	0913	24	7.2	18	113 [4]	12.4	146							
4														
5														
6														
7														
8														
9	1004	24	7.2	21	193	21.2	258							
10														
11														
12														
13														
14														
15														
16														
17	1157	24	7.4	18	314 [1]	35.9	433							
18														
19														
20														
21														
22														
23	1111	24	7.2	18	234 [4]	23.7	256							
24														
25														
26														
27														
28														
29														
30	0951	24	7.3	18	169	27.8	228							
31														
Average				19	205	24.2	264			93	98			
Maximum			7.4	21	314	35.9	433							
Minimum			7.2	18	113	12.4	146							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH September YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

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NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 10-24-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1			N	0.190														
2	0800	7.5	Y	0.189	Holiday													
3	0800	7.5	Y	0.211	22	7.1		13 H	0.14	5.6	<1	8.1			<5.0	56.4		
4	1000	6	Y	0.178			<20											
5	0800	7.5	Y	0.166														
6	0800	6	Y	0.191														
7			N	0.138														
8			N	0.138														
9	0800	7.5	Y	0.146	22	7.2		18	0.16	4.8	<1	8.4						
10	0800	7.5	Y	0.173			<20											
11	0800	7.5	Y	0.184														
12	1200	4	Y	0.188														
13	1400	2	Y	0.152														
14			N	0.146														
15			N	0.114														
16	0800	7.5	Y	0.028														
17	0800	7.5	Y	0.144	21	6.8		10 I	0.16	4.0	25	7.4						
18	0800	7.5	Y	0.155														
19	0800	7	Y	0.164			<20											
20	0800	6	Y	0.153														
21			N	0.168														
22			N	0.146														
23	0800	7.5	Y	0.143	21	6.9		15 H	0.16	4.8	550	8.2						
24	0800	7.5	Y	0.183														
25	0700	8	Y	0.142							2500							
26	0800	7.5	Y	0.184			<20											
27	0800	6.5	Y	0.156							<1							
28			N	0.148														
29			N	0.123														
30	0800	7	Y	0.104	21	7.0		12	0.11	5.8	1	8.4						
31																		
AVERAGE				0.155	21		0	14	0.15	5.0	12	8.1			0	56.4		
MAXIMUM				0.211	22	7.2	<20	18	0.16	5.8	2500	8.4			<5.0	56.4		
MINIMUM				0.028	21	6.8	<20	10	0.11	4.0	<1	7.4			<5.0	56.4		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO.	NC0081370	DISCHARGE NO.	001	MONTH	September
YEAR	2013				
FACILITY NAME	McLin Creek - City of Claremont	COUNTY	Catawba		
STREAM	McLin Creek	STREAM	McLin Creek		
LOCATION	Bethany Church Rd.	LOCATION	Old Catawba Rd.		

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2	Holiday								
3									
4	1200	20	7.8						
5									
6									
7									
8									
9	1240	21	8.1						
10									
11									
12									
13									
14									
15									
16	1340	19	8.4						
17									
18									
19									
20									
21									
22									
23									
24									
25									
26	1141	18	8.4						
27									
28									
29									
30									
31									
Average		20	8.2						
Maximum		21	8.4						
Minimum		18	7.8						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
Holiday								
1140	21	7.9						
1220	21	8.4						
1359	19	8.4						
1120	18	8.3						
Avg	20	8.3						
Max	21	8.4						
Min	18	7.9						

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

October 24, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD
City of Claremont; McLin Creek WWTP (NPDES NC0081370)

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD the weeks of 9/3, 9/9 and 9/22 with a 13 mg/L, 18 mg/L and 15mg/L respectively. This resulted in a BOD noncompliance for the month with a 14 mg/L average.

The facility still continues to investigate influent characteristics, which led the staff to find that a discharge from one of our industries had an inhibitory effect on the facility process. The City of Hickory staff and the City of Claremont have been working with the industry to resolve the issue. The changes made to the industry's process have improved conditions at the facility.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Mr. Jody Ledford, ORC
McLin Creek WWTP NPDES NC0081370

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH August YEAR 2013

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5	1021	24	7.3	20	238	17.2	347							
6														
7														
8														
9														
10														
11														
12	1056	24	7.2	20	180	15.7	198							
13														
14														
15														
16														
17														
18														
19	1034	24	7.3	21	143	18.1	154							
20														
21														
22														
23														
24														
25														
26	1027	24	7.3	18	201	19.6	253							
27														
28														
29														
30														
31														
Average				20	191	17.7	238			92	98			
Maximum			7.3	21	238	19.6	347							
Minimum			7.2	18	143	15.7	154							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH August YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 9-24-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site?*	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	1000	6	Y	0.304							1800							
2	0800	7.5	Y	0.251							<1							
3			N	0.188														
4			N	0.165														
5	0800	3	Y	0.162	21	7.1		17	0.29	4.0	14	8.0			<38	55		
6	0800	6	Y	0.140														
7	0800	7.5	Y	0.235														
8	0800	7	Y	0.204			<20											
9	0800	7	Y	0.174														
10			N	0.188														
11			N	0.236														
12	0800	7.5	Y	0.180	21	7.1		18	0.14	6.4		8.0						
13	0800	7	Y	0.285							2							
14	0800	7.5	Y	0.236			<20											
15	1100	5	Y	0.222														
16	0830	7.5	Y	0.182														
17			N	0.105														
18			N	0.237														
19	0800	7	Y	0.168	21	7.0		16	0.20	6.0	200	7.9						
20	0930	6	Y	0.248														
21	1000	6	Y	0.265														
22	0800	7.5	Y	0.163														
23	0800	7.5	Y	0.236			<20											
24			N	0.139														
25			N	0.150														
26	0800	7.5	Y	0.149	22	7.2		13	0.15	6.0	8	7.8						
27	0900	7	Y	0.247			<20											
28	1000	6	Y	0.179														
29	0800	7	Y	0.155														
30	0745	0.5	B	0.211														
31			N	0.165														
AVERAGE				0.199	21		0	16	0.20	5.6	1	7.9			0	55		
MAXIMUM				0.304	22	7.2	<20	18	0.29	6.4	1800	8.0			<38	55		
MINIMUM				0.105	21	7.0	<20	13	0.14	4.0	<1	7.8			<38	55		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH August YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4									
5									
6									
7	0942	20	7.9						
8									
9									
10									
11									
12									
13									
14									
15	1320	19	8.3						
16									
17									
18									
19									
20									
21	1234	20	8.5						
22									
23									
24									
25									
26									
27	1410	22	8.7						
28									
29									
30									
31									
Average		20	8.4						
Maximum		22	8.7						
Minimum		19	7.9						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
0920	20	7.9						
1342	20	8.3						
1215	20	8.7						
1430	21	8.7						
Avg	20	8.4						
Max	21	8.7						
Min	20	7.9						

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

September 23, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD
City of Claremont; McLin Creek WWTP (NPDES NC0081370)

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD the weeks of 8/5, 8/12, 8/19 and 8/26, with a 17mg/l, 18 mg/l, 16 mg/l and a 13 mg/l, respectively. This resulted in a BOD noncompliance for the month with a 16 mg/l average.

The facility is still recovering from abnormally high amounts of rainfall, which caused hydraulic overloading at the facility. This has significantly slowed the recovery process. We are continuing to feed regenerative micro-organisms to help speed recovery to the plant process.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Mr. Jody Ledford, ORC
McLin Creek WWTP NPDES NC0081370

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH July YEAR 2013

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1	1040	24	6.5	20	298	25.6	380							
2														
3														
4	Holiday													
5														
6														
7														
8														
9														
10														
11	0928	24	7.2	22	383	36.3	503							
12														
13														
14														
15														
16	0945	24	7.3	19	254	36.4	313							
17														
18														
19														
20														
21														
22	1006	24	7.2	19	55	20.1	62.0							
23														
24														
25														
26														
27														
28														
29														
30														
31	1018	24	7.3	20	178	20.8	212							
Average				20	234	27.8	294			93	99			
Maximum			7.3	22	383	36.4	503							
Minimum			6.5	19	55	20.1	62.0							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH July YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 8-25-13

(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0800	7.5	Y	0.120	22	6.1		11 4	1.06	4.8	<1	6.8	5.9	2.2	<38	85	1.73	
2	0800	7	Y	0.149														
3	0900	6	Y	0.300														
4			H	0.310	Holiday													
5	0800	6	Y	0.454			<20											
6			N	0.355														
7			N	0.217														
8	0800	7	Y	0.225														
9	0600	9.5	Y	0.244														
10	1000	4	Y	0.233														
11	1230	3.5	Y	0.244	22	7.1	<20	21 4	1.58	3.6	3	7.7						
12	0900	5	Y	0.121														
13			N	0.214														
14			N	0.118														
15	0800	7	Y	0.152														P
16	1200	4	Y	0.174	22	7.2		16	0.16	5.6		8.2						
17	1000	6	Y	0.176														
18	0800	6	Y	0.170							<1							
19	0800	4.5	Y	0.171			<20											
20			N	0.167														
21			N	0.138														
22	0800	7	Y	0.139	22	7.1	<20	16	1.35	3.2	<1	7.9						
23	0900	7	Y	0.169														
24	0900	7	Y	0.189														
25	1100	5	Y	0.188														
26	0800	6	Y	0.145														
27			N	0.184														
28			N	0.180														
29	0800	8.5	Y	0.311														
30	0800	7.5	Y	0.291														
31	0800	6	Y	0.233	22	7.0	<20	18 4	1.26	4.8	>6000	7.8						
AVERAGE				0.209	22		0	16	1.08	4.4	7	7.7	5.9	2.2	0	85	1.73	P
MAXIMUM				0.454	22	7.2	<20	21	1.58	5.6	>6000	8.2	5.9	2.2	<38	85	1.73	P
MINIMUM				0.118	22	6.1	<20	11	0.16	3.2	<1	6.8	5.9	2.2	<38	85	1.73	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO.	NC0081370	DISCHARGE NO.	001	MONTH	July
YEAR	2013				
FACILITY NAME	McLin Creek - City of Claremont	COUNTY	Catawba		
STREAM	McLin Creek	STREAM	McLin Creek		
LOCATION	Bethany Church Rd.	LOCATION	Old Catawba Rd.		

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2	1410	22	7.5						
3									
4	Holiday								
5									
6									
7									
8									
9									
10									
11	1450	21	8.3						
12									
13									
14									
15									
16	1200	22	8.3						
17									
18									
19									
20									
21									
22	1258	22	8.6						
23									
24									
25									
26									
27									
28									
29									
30	1400	21	7.9						
31									
Average		22	8.1						
Maximum		22	8.6						
Minimum		21	7.5						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1350	22	7.6						
Holiday								
1505	22	8.7						
1218	22	8.6						
1317	23	9.1						
1421	22	7.9						
Avg	22	8.4						
Max	23	9.1						
Min	22	7.6						

HICKORY
North Carolina
Life. Well Crafted.

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

August 23, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD at
City of Claremont; McLin Creek WWTP NPDES NC0081370

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD the weeks of 7/11, 7/16, 7//22 and 7/31 with a 21 mg/l, 16 mg/l, 16 mg/l and a 18 mg/l, respectively. This resulted in a BOD noncompliance for the month with a 16 mg/l average.

The facility received abnormally high amounts of rainfall, which in turn caused hydraulic overloading at the facility. This has significantly slowed the recovery process. We are continuing to feed regenerative micro-organisms to help speed recovery to the plant process.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Jody Ledford

Mr. Jody Ledford, ORC
McLin Creek WWTP NPDES NC0081370

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH June YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3	1100	24	6.5	18	117	23.8	126							
4														
5														
6														
7														
8														
9														
10														
11	1116	24	7.2	19	161	27.2	160							
12														
13														
14														
15														
16														
17														
18	0800	24	7.3	17	88	20.2	98.0							
19														
20														
21														
22														
23														
24	1041	24	6.9	27	60	16.7	62.0							
25														
26														
27														
28														
29														
30														
31														
Average				20	107	22.0	112			82	95			
Maximum			7.3	27	161	27.2	160							
Minimum			6.5	17	60	16.7	62.0							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH June YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 7-24-13

(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1			N	0.110														
2			N	0.110														
3	0800	7	Y	0.120	21	6.7		9.2	14.2	3.2	<1	6.8			<38	52		
4	0900	7	Y	0.168														
5	1000	6	Y	0.163														
6	0800	6.5	Y	0.144			<20											
7	0800	6.5	Y	0.156														
8			N	0.168														
9			N	0.126														
10	0800	6	Y	0.127							<1							
11	0800	7.5	Y	0.166	22	6.8		>34	1.93	9.2		8.0						
12	1100	5	Y	0.136														
13	0830	7.5	Y	0.216			<20											
14	0800	6	Y	0.074														
15			N	0.103														
16			N	0.000*														
17	0800	6	Y	0.024*														
18	0800	7.5	Y	0.197							1700							
19	1000	6	Y	0.236	21	7.1		25	3.56	6.8	<1	7.9						
20	1000	7	Y	0.151			<20											
21	0800	7.5	Y	0.159														
22			N	0.168														
23			N	0.122														
24	0800	7	Y	0.110	28	6.7		7.7	0.26	4.8	<1	6.7						
25	0800	7.5	Y	0.176														
26	1000	6	Y	0.171														
27	0900	7	Y	0.200														
28	0800	7.5	Y	0.148			<20											
29			N	0.147														
30			N	0.129														
31																		
AVERAGE				0.141	23		0	19	4.99	6.0	4	7.4			0	52		
MAXIMUM				0.236	28	7.1	<20	>34	14.2	9.2	1700	8.0			<38	52		
MINIMUM				0.000	21	6.7	<20	7.7	0.26	3.2	<1	6.7			<38	52		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

* Flow meter malfunction

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH June YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3	1350	21	8.5						
4									
5									
6									
7									
8									
9									
10									
[illegible]	1140	20	7.7						
12									
13									
14									
15									
16									
17									
18	1151	21	7.7						
19									
20									
21									
22									
23									
24									
25	1305	22	8.0						
26									
27									
28									
29									
30									
31									
[illegible]age		21	8.0						
Maximum		22	8.5						
Minimum		20	7.7						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1330	21	8.8						
1200	21	7.8						
1130	22	7.5						
1245	22	8.1						
Avg	22	8.1						
Max	22	8.8						
Min	21	7.5						

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

July 23, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD and NH3 at City of Claremont; McLin Creek WWTP NPDES NC0081370

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD concentrations, BOD percent removal rate and Ammonia during the month of June. The specific exceedances are as follows:

• BOD Weekly Exceedance:	6/11/13	>34 mg/l
• BOD Weekly Exceedance:	6/19/13	25 mg/l
• BOD Monthly Exceedance:	June 2013	19 mg/l Average
• BOD Percent Removal:	June 2013	82%
• NH3 Weekly Exceedance:	6/3/13	14.2 mg/l
• NH3 Monthly Exceedance:	June 2013	4.99 mg/l

The facility is still struggling to recover from the upset that occurred. The increased rainfall we have received has significantly slowed the recovery process. We are continuing to feed surfactant micro-organisms along with regenerative micro-organisms to help speed recovery to the plant process. In addition, we are continuing to monitor industries for flow characteristics to find the possible sources of the problem to prevent future violations. The Facility experienced a problem with the Flow meter Transducer the weekend of 6/16. The problem was corrected on 6/17 and is working with no problem now.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Jody Ledford, ORC
City of Claremont McLin Creek WWTP

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH May YEAR 2013

ILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5														
6	1024	24	7.3	13	175 H	20.7	217							
7														
8														
9														
10														
11														
12														
13	1100	24	6.8	16	75	20.8	67.0							
14														
15														
16														
17														
18														
19														
20	0958	24	7.5	19	113	26.7	112							
21														
22														
23														
24														
25														
26														
27	Holiday													
28	0931	24	7.1	17	167 H	25.6	186							
29														
30														
31														
Average				16	133	23.5	146			87	94			
Maximum			7.5	19	175	26.7	217							
Minimum			6.8	13	75	20.7	67.0							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH May YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 6-24-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	1000	6	Y	0.181														
2	0800	7.5	Y	0.126														
3	0800	1.5	Y	0.128														
4			N	0.113														
5			N	0.106														
6	0800	7.5	Y	0.200	14	6.9		21 4	0.28	7.6		7.9			<38	144		
7	0800	7.5	Y	0.245														
8	0800	7.5	Y	0.256			<20				<1							
9	0900	7	Y	0.200														
10	1000	6	Y	0.200														
11			N	0.143														
12			N	0.054														
13	0800	7.5	Y	0.117	17	6.6	<20	9.4	0.28	8.8	2	6.8						
14	0800	6	Y	0.168														
15	0800	6	Y	0.034														
16	0800	7.5	Y	0.139														
17	0800	7.5	Y	0.144														
18			N	0.064														
19			N	0.118														
20	0800	7	Y	0.079	20	6.3		21	0.24	8.4	21	6.9						
21	0800	7.5	Y	0.172														
22	1000	6	Y	0.173														
23	0800	7.5	Y	0.055			<20											
24	0800	7.5	Y	0.147														
25			N	0.143														
26			N	0.071														
27			H	0.100	Holiday													
28	0800	6	Y	0.101	19	6.9		16 4	9.39	8.8	<1	7.7						
29	1000	6	Y	0.138														
30	0800	7	Y	0.125			<20											
31	0800	7	Y	0.150														
AVERAGE				0.135	18		0	17	2.55	8.4	3	7.3			0	144		
MAXIMUM				0.256	20	6.9	<20	21	9.39	8.8	21	7.9			<38	144		
MINIMUM				0.034	14	6.3	<20	9.4	0.24	7.6	<1	6.8			<38	144		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH May YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

S[illegible]AM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4									
5									
6									
7	1200	17	9.9						
8									
9									
[illegible]									
[illegible]									
12									
13	1220	14	10.2						
14									
15									
16									
17									
18									
19									
20									
21									
22	1030	18	9.5						
23									
24									
25									
26									
27	Holiday								
28									
29									
30	1100	18	9.1						
[illegible]									
Average		17	9.7						
Maximum		18	10.2						
Minimum		14	9.1						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1205	18	10.0						
1205	14	10.4						
1050	18	10.0						
Holiday								
1120	19	9.2						
Avg	17	9.9						
Max	19	10.4						
Min	14	9.2						

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

June 24, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD and NH3 at City of Claremont; McLin Creek WWTP NPDES NC0081370

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD the weeks of 5/6, 5/20 and 5/28 with a 21mg/l, 21mg/l and a 16mg/l, respectively. This resulted in a BOD noncompliance for the month with a 17mg/l average. The facility was also noncompliant for NH3 on 6/28 with a 9.39 mg/l which caused a noncompliance for the month with a 2.55mg/l.

The facility influent flow contained foaming surfactant which caused an upset to the plant process. We are continuing to feeding surfactant micro-organisms along with regenerative micro-organisms to help speed recovery to the plant process. In addition, The City of Hickory and The City of Claremont are meeting with local industries to talk about the use of surfactants in their processes and possible ways to reduce the amount that is used. We are continuing to monitor industries for flow characteristics to find the possible sources of the problem to prevent future violations.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Mr. Jody Ledford, ORC
McLin Creek WWTP NPDES NC0081370

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1	1016	24	7.6	11	233	28.3	260							
2														
3														
4														
5														
6														
7														
8	1004	24	7.4	13	100	22.4	117							
9														
10														
11														
12														
13														
14														
15	1043	24	7.3	13	213	31.3	263							
16														
17														
18														
19														
20														
21														
22	1014	24	7.1	12	122	22.3	123							
23														
24														
25														
26														
27														
28														
29	1016	24	7.2	12	160	33.6	185							
30														
31														
Average				12	166	27.6	190			91	98			
Maximum			7.6	13	233	33.6	263							
Minimum			7.1	11	100	22.3	117							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 5-24-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0900	6	Y	0.169	13	7.2		13	0.49	3.2	1	8.1	9.5	0.43	<38	209	1.22	P
2	0900	6	Y	0.178														
3	0800	7	Y	0.151			<20											
4	0800	0.5	Y	0.134														
5	0800	1.5	Y	0.221														
6			N	0.176														
7			N	0.135														
8	0745	0.5	B	0.134	14	7.1		9.9	0.61	2.8		8.2						
9	0800	7.5	Y	0.146							<1							
10	1030	4.5	Y	0.158														
11	0830	7.5	Y	0.143														
12	0800	7.5	Y	0.185			<20											
13	1130	1	Y	0.265														
14	1000	1	Y	0.128														
15	0800	7	Y	0.105	14	7.1		12	0.23	2.4	<1	8.3						
16	0900	6.5	Y	0.160														
17	0900	7	Y	0.168														
18	0800	7	Y	0.141			<20											
19	0800	1	Y	0.118														
20			N	0.153														
21			N	0.116														
22	0800	7.5	Y	0.117	13	6.7		19	4.67	5.0	1	7.9						
23	0800	7	Y	0.127														
24	0800	7	Y	0.151														
25	1200	4	Y	0.123														
26	0800	7	Y	0.129			<20											
27	1000	1	Y	0.126														
28	1000	1	Y	0.089														
29	0800	7	Y	0.234	15	6.9		23	4.20	4.6	>6000	8.1						
30	0800	7.5	Y	0.228			<20				<1							
31																		
AVERAGE				0.154	14		0	15	2.04	3.6	4	8.1	9.5	0.43	0	209	1.22	P
MAXIMUM				0.265	15	7.2	<20	23	4.67	5.0	>6000	8.3	9.5	0.43	<38	209	1.22	P
MINIMUM				0.089	13	6.7	<20	9.9	0.23	2.4	<1	7.9	9.5	0.43	<38	209	1.22	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	8.0mg	2.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

S. AM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2	1205	12	11.0						
3									
4									
5									
6									
7									
8									
9									
10									
11	1110	17	11.5						
12									
13									
14									
15									
16									
17	1220	17	9.7						
18									
19									
20									
21									
22									
23	1335	15	10.3						
24									
25									
26									
27									
28									
29									
30	1153	15	9.3						
31									
Average		15	10.4						
Maximum		17	11.5						
Minimum		12	9.3						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1223	12	11.9						
1135	18	11.5						
1200	17	10.2						
1315	15	10.5						
1214	15	9.4						
Avg	15	10.7						
Max	18	11.9						
Min	12	9.4						

City of Hickory
PO Box 398
Hickory, NC 28603
Phone: (828) 459-1092
Fax: (828) 459-1090
Email: cwwtp@hickorync.gov

Public Utilities

May 24, 2013

ATTN: CENTRAL FILES
DIVISION OF WATER QUALITY
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

RE: Noncompliance Notification for Violation of BOD and NH3
City of Claremont; McLin Creek WWTP NPDES NC0081370

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont McLin Creek WWTP (Permit # NC0081370) was noncompliant for BOD the weeks of 4/1, 4/22 and 4/29 with a 13mg/l, 19mg/l and a 23mg/l, respectively. This resulted in a BOD noncompliance for the month with a 15mg/l average. The facility was also noncompliant for NH3 for the month with a 2.04mg/l.

The facility received an unusually elevated level of surfactants in the influent stream which contributed to an upset to the plant process. We are currently feeding surfactant micro-organisms along with regenerative micro-organisms to help speed recovery to the plant process. In addition, we continue to monitor industries for flow characteristics investigating the possible sources of problematic flows to prevent future violations.

Thank you in advance for your cooperation and understanding. Should you have any questions or additional concerns, please do not hesitate contacting me via email or at (828) 459-1092.

Sincerely,

Mr. Jody Ledford, ORC
McLin Creek WWTP NPDES NC0081370

PC: Mr. Doug Barrick, City Manager, City of Claremont
Mr. Kevin B. Greer, PE, City of Hickory
Mr. M. Shawn Pennell, City of Hickory

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH March YEAR 2013

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4	1006	24	7.4	8.4	125	27.2	154							
5														
6														
7														
8														
9														
10														
11	1019	24	7.6	8.2	148	33.5	175							
12														
13														
14														
15														
16														
17														
18	1034	24	7.4	8.8	198	26.3	240							
19														
20														
21														
22														
23														
24														
25	1120	24	7.3	13	122	30.8	29.0							
26														
27														
28														
29	Holiday													
30														
31														
Average				9.6	148	29.5	150			93	95			
Maximum			7.6	13	198	33.5	240							
Minimum			7.3	8.2	122	26.3	29.0							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH March YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

ist additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 4-25-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0900	7	Y	0.182														
2	1130	1	Y	0.124														
3	1000	1	Y	0.113														
4	0800	7	Y	0.117	8.3	7.3		3.7	0.11	3.0	1	7.9			12.9	114		
5	0830	7.5	Y	0.116														
6	1300	1	Y	0.217			<20											
7	0800	7	Y	0.116														
8	0800	7.5	Y	0.154														
9	1130	1	Y	0.166														
10	1000	1	Y	0.100														
11	1400	2	Y	0.093	11	6.7		12	0.14	8.8	<1	8.1						
12	0800	7	Y	0.163														
13	0900	7	Y	0.162														
14	0800	7	Y	0.130			<20											
15	0800	7	Y	0.153														
16			N	0.116														
17			N	0.107														
18	1000	6	Y	0.116	11	6.8		8.1	0.54	4.0	<1	8.4						
19	0800	7.5	Y	0.133			<20											
20	1000	6	Y	0.122														
21	0830	7.5	Y	0.126														
22	0830	7.5	Y	0.141														
23			N	0.129														
24			N	0.103														
25	0800	7.5	Y	0.131	13	6.9		>15 [3]	4.64	12.8	<1	7.0						
26	0800	7.5	Y	0.155			<20											
27	0800	7.5	Y	0.135														
28	0800	7	Y	0.136														
29	1200	1	Y	0.150	Holiday													
30	1200	1	Y	0.117														
31	1000	1	Y	0.078														
AVERAGE				0.132	11		0	9.70	1.36	7.2	1	7.9			12.9	114		
MAXIMUM				0.217	13	7.3	<20	>15	4.64	12.8	1	8.4			12.9	114		
MINIMUM				0.078	8.3	6.7	<20	3.7	0.11	3.0	<1	7.0			12.9	114		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH March YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4									
5									
6	1340	8.9	11.8						
7									
8									
9									
[illegible]									
[illegible]									
12	1322	15	9.0						
13									
14									
15									
16									
17									
18									
19									
20	1200	9.6	9.9						
21									
22									
23									
24									
25									
26	1150	7.6	11.9						
27									
28									
29	Holiday								
30									
[illegible]									
Average		10	10.7						
Maximum		15	11.9						
Minimum		7.6	9.0						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1400	9.4	11.1						
1301	15	9.6						
1140	9.7	10.9						
1210	6.8	12.8						
Holiday								
Avg	10	11.1						
Max	15	12.8						
Min	6.8	9.6						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH February YEAR 2013

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4	1047	24	7.3	13	100 4	25.3	112							
5														
6														
7														
8														
9														
10														
11	1043	24	7.7	10	248	26.3	305							
12														
13														
14														
15														
16														
17														
18	1024	24	7.7	7.4	163 4	26.2	170							
19														
20														
21														
22														
23														
24														
25	1009	24	7.9	8.1	219 4	23.7	214							
26														
27														
28														
29														
30														
31														
Average				9.6	183	25.4	200			98	99			
Maximum			7.9	13	248	26.3	305							
Minimum			7.3	7.4	100	23.7	112							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH February YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(List additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 3-25-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE
BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0800	7.5	Y	0.256														
2	1100	1	Y	0.226														
3	0940	1	Y	0.113														
4	0730	8.5	Y	0.118	9.8	7.4		3.6 4	0.10	2.0	<1	7.9			7.8	176		
5	0830	7.5	Y	0.130			<20											
6	0830	7.5	Y	0.141														
7	0830	7.5	Y	0.137														
8	0800	7.5	Y	0.169														
9	0925	1	Y	0.174														
10	1000	1	Y	0.127														
11	0800	7.5	Y	0.114	11	7.0		3.3	0.10	1.6	<1	7.8						
12	0800	7.5	Y	0.148														
13	0800	7.5	Y	0.172			<20											
14	0800	7	Y	0.125														
15	0800	7	Y	0.130														
16	1000	1	Y	0.134														
17	1000	1	Y	0.105														
18	0800	7.5	Y	0.083	8.2	7.2		3.4 4	<0.10	2.2	<1	8.5						
19	0800	7.5	Y	0.132			<20											
20	0900	7	Y	0.136														
21	0830	7.5	Y	0.159														
22	0830	1.5	Y	0.124														
23			N	0.161														
24			N	0.141														
25	0800	7.5	Y	0.106	8.4	7.2		3.1 4	0.11	2.0	<1	7.7						
26	0800	7.5	Y	0.125			<20											
27	0900	6	Y	0.439														
28	0830	7.5	Y	0.272														
29																		
30																		
31																		
AVERAGE				0.157	9.4		0	3.4	0.08	2.0	1	8.0			7.8	176		
MAXIMUM				0.439	11	7.4	<20	3.6	0.11	2.2	<1	8.5			7.8	176		
MINIMUM				0.083	8.2	7.0	<20	3.1	<0.10	1.6	<1	7.7			7.8	176		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						P/F

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH February YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

S AM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4									
5									
6	1300	9.9	12.5						
7									
8									
9									
11									
12	1240	9.8	11.2						
13									
14									
15									
16									
17									
18									
19									
20	1230	7.6	12.6						
21									
22									
23									
24									
25	1320	8.0	12.3						
26									
27									
28									
29									
30									
Average		8.8	12.2						
Maximum		9.9	12.6						
Minimum		7.6	11.2						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1250	10	12.8						
1220	10	11.8						
1210	6.5	13.1						
1340	7.5	12.7						
Avg	8.5	12.6						
Max	10	13.1						
Min	6.5	11.8						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH January YEAR 2013

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1	Holiday													
2														
3														
4														
5														
6														
7	1000	24	7.3	12	112 4	44.8	27.0							
8														
9														
10														
11														
12														
13														
14														
15	0948	24	7.6	11	228	32.3	283							
16														
17														
18														
19														
20														
21	Holiday													
22	0933	24	7.7	7.4	122 4	20.8	132							
23														
24														
25														
26														
27														
28	1012	24	7.2	7.9	134	30.4	146							
29														
30														
31														
Average				9.6	149	32.1	147			97	98			
Maximum			7.7	12	228	44.8	283							
Minimum			7.2	7.4	112	20.8	27.0							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH January YEAR 2013

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(list additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x (SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) 2-25-13 DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0900	1	Y	0.079	Holiday													
2	0700	7	Y	0.093														
3	1000	6	Y	0.185			<20											
4	0800	7.5	Y	0.117														
5	1000	1	Y	0.134														
6	0930	1	Y	0.086														
7	0800	7.5	Y	0.097	12	6.1		5.4 q	0.18	3.6	<1	6.9	24.4	4.4	11.6	191	1.68	
8	0800	7.5	Y	0.139														
9	1100	5	Y	0.147														
10	0800	6	Y	0.100														
11	0830	1.5	Y	0.128			<20											
12			N	0.114														
13			N	0.101														
14	0800	7.5	Y	0.115														P
15	0800	7	Y	0.146	12	7.4		5.4	0.14	3.0	29	8.1						
16	0800	7.5	Y	0.195			<20											
17	0800	7.5	Y	0.261														
18	0800	7.5	Y	0.541														
19	0800	7.5	Y	0.341														
20	1000	1	Y	0.210														
21	0930	1	Y	0.106	Holiday													
22	0800	7.5	Y	0.149	9.1	6.6		3.7 q	0.20	2.4	<1	7.7						
23	0800	7	Y	0.150			<20											
24	0900	7	Y	0.167														
25	0800	1	Y	0.138														
26			N	0.097														
27			N	0.097														
28	0800	7	Y	0.150	9.6	7.7		4.4	0.14	2.6	<1	7.8						
29	1200	4	Y	0.189														
30	1000	6	Y	0.127														
31	0800	7.5	Y	0.301			<20											
AVERAGE				0.161	11		0	4.7	0.17	2.9	2	7.6	24.4	4.4	11.6	191	1.68	P
MAXIMUM				0.541	12	7.7	<20	5.4	0.20	3.6	29	8.1	24.4	4.4	11.6	191	1.68	P
MINIMUM				0.079	9.1	6.1	<20	3.7	0.14	2.4	<1	6.9	24.4	4.4	11.6	191	1.68	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						P/F

NPDES NO.	NC0081370	DISCHARGE NO.	001	MONTH	January
YEAR	2013				
FACILITY NAME	McLin Creek - City of Claremont	COUNTY	Catawba		
EAM	McLin Creek	STREAM	McLin Creek		
LOCATION	Bethany Church Rd.	LOCATION	Old Catawba Rd.		

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1	Holiday								
2									
3									
4	1301	5.9	14.9						
5									
6									
7									
8	1150	4.7	12.6						
9									
11									
12									
13									
14									
15									
16									
17	1240	7.9	13.3						
18									
19									
20									
21	Holiday								
22	1250	6.3	11.8						
23									
24									
25									
26									
27									
28	1322	7.2	11.4						
29									
30									
Average		6.4	12.8						
Maximum		7.9	14.9						
Minimum		4.7	11.4						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	TEMPERATURE	DO	pH	BOD5	COD	FECAL COLIFORM	Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
Holiday								
1330	5.3	15.0						
1130	4.2	13.0						
1301	8.1	13.9						
Holiday								
1311	6.3	12.0						
1345	6.5	11.9						
Avg	6.1	13.2						
Max	8.1	15.0						
Min	4.2	11.9						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH December YEAR 2012

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3	1130	24	7.1	15	438	33.8	605							
4														
5														
6														
7														
8														
9														
10														
11	1043	24	7.0	16	208	45.4	460							
12														
13														
14														
15														
16														
17	1016	24	7.7	12	170	39.2	161							
18														
19														
20														
21														
22														
23														
24	Holiday													
25	Holiday													
26	Holiday													
27	0923	24	7.9	9.4	758	12.0	965							
28														
29														
30														
31	1133	24	7.6	9.9	132	23.3	127							
Average				12	341	30.7	464			99	99			
Maximum			7.9	16	758	45.4	965							
Minimum			7	9.4	132	12.0	127							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH December YEAR 2012

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

(List additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 1-23-13
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1			N	0.116														
2			N	0.087														
3	0800	7	Y	0.092	15	6.1		4.3	0.13	3.0	<1	6.9			13	202		
4	0800	5	Y	0.136														
5	0800	7	Y	0.099														
6	0900	7	Y	0.149														
7	0800	7	Y	0.087			<20											
8	0900	1	Y	0.114														
9	1000	1	Y	0.095														
10	0800	6	Y	0.095							<1							
11	0800	7	Y	0.095	16	6.1		3.8	<0.10	2.8		6.9						
12	1100	5	Y	0.145			<20											
13	1000	6	Y	0.110														
14	0900	1	Y	0.118														
15			N	0.110														
16			N	0.053														
17	0800	7.5	Y	0.159	13	7.7		4.2	0.12	3.8	<1	7.8						
18	1000	6	Y	0.104														
19	1200	4	Y	0.141														
20	1100	5	Y	0.095			<20											
21	0800	7.5	Y	0.147														
22	1200	1	Y	0.176														
23	1000	1	Y	0.076														
24			H	0.068	Holiday													
25			H	0.125	Holiday													
26			H	0.090	Holiday													
27	0800	7.5	Y	0.328	10	6.8		8.0	0.39	7.2	20	7.9						
28	0830	1.5	Y	0.177			<20											
29			N	0.128														
30			N	0.096														
31	0800	7	Y	0.073	13	7.0		4.7	0.12	3.6	<1	8.1						
AVERAGE				0.119	13		0	5.0	0.15	4.1	2	7.5			13	202		
MAXIMUM				0.328	16	7.7	<20	8.0	0.39	7.2	20	8.1			13	202		
MINIMUM				0.053	10	6.1	<20	3.8	<0.10	2.8	<1	6.9			13	202		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH December YEAR 2012

FACILITY NAME McLin Creek - City of Claremont COUNTY Catawba

STREAM McLin Creek STREAM McLin Creek

LOCATION Bethany Church Rd. LOCATION Old Catawba Rd.

Upstream

Date	Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
	HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1									
2									
3									
4	1430	12	13.2						
5									
6									
7									
8									
9									
10									
11									
12	1306	11	12.6						
13									
14									
15									
16									
17	1351	11	10.7						
18									
19									
20									
21									
22									
23									
24	Holiday								
25	Holiday								
26	Holiday								
27	1150	7.4	11.6						
28									
29									
30									
31									
Average		10	12.0						
Maximum		12	13.2						
Minimum		7.4	10.7						

Downstream

Time 2400 Clock	00010 TEMPERATURE	00300 DO	00400 pH	00310 BOD5	00340 COD	31616 FECAL COLIFORM	00095 Conductivity	
HRS	° C	mg/L	Units	mg/L	mg/L	#/100ml	UMHOS	
1410	12	13.5						
1330	11	13.1						
1330	10	11.8						
Holiday								
Holiday								
Holiday								
1239	7.2	12.2						
Avg	10	12.7						
Max	12	13.5						
Min	7.2	11.8						

INFLUENT

NPDES NO. NC0081370 DISCHARGE NO. 001 MONTH November YEAR 2012

CILITY NAME McLin Creek - City of Claremont COUNTY Catawba

			00400	00010	00310	00610	00530	00340						
DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5	1026	24	7.8	11	630	30.9	785							
6														
7														
8														
9														
10														
11														
12	1110	24	6.6	17	553	36.8	605							
13														
14														
15														
16														
17														
18														
19	1031	24	7.7	12	228	29.4	260							
20														
21														
22	Holiday													
23	Holiday													
24														
25														
26	1007	24	7.5	12	258	39.3	263							
27														
28														
29														
30														
31														
Average				13	417	34.1	478			99	99			
Maximum			7.8	17	630	39.3	785							
Minimum			6.6	11	228	29.4	260							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0081370 DISCHARGE NO. 001 MONTH November YEAR 2012

FACILITY NAME McLin Creek - City of Claremont CLASS II COUNTY Catawba

CERTIFIED LABORATORIES (1) Hickory Regional Laboratory CERTIFICATION NO. 203

ist additional laboratories on the backside/page 2 of this form)

OPERATOR IN RESPONSIBLE CHARGE (ORC) Jody Ledford GRADE IV CERTIFICATION NO. 991132

PERSON(S) COLLECTING SAMPLES staff ORC PHONE (828) 459-1092

CHECK BOX IF ORC HAS CHANGED ☐ **NO FLOW/DISCHARGE FROM SITE*** ☐

Mail ORIGINAL and ONE COPY to:
NC DENR / DIVISION OF WATER QUALITY
SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 12-21-12
(SIGNATURE OF OPERATOR IN RESPONSIBLE CHARGE) DATE

BY THIS SIGNATURE, I CERTIFY THAT THIS REPORT IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE	Operarot Arrival Time 2400 Clock	Operator Time On Site	ORC On Site? *	50050 FLOW EFF ☐ INF ■ DAILY RATE	00010 TEMPERATURE	00400 pH	50060 RESIDUAL CHLORINE ☐ UV Disinfection	00310 BOD_5 20°C	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	31616 FECAL COLIFORM (Geometric Mean)	00300 DISSOLVED OXYGEN	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS	01042 COPPER	01092 ZINC	71900 MERCURY	TGP3B CHRONIC TOXICITY
	HRS	HRS	Y/N	MGD	°C	UNITS	ug/L	mg/L	mg/L	mg/L	#/100ML	mg/L	mg/L	mg/L	ug/L	ug/L	ng/L	P/F
1	0730	0.5	B	0.111														
2	0700	0.5	B	0.118														
3			N	0.119														
4			N	0.098														
5	0800	6.5	Y	0.095	15	6.7		2	<0.10	2.4	<1	7.7			11.7	209		
6	0800	7	Y	0.103														
7	0800	7.5	Y	0.147														
8	1100	5	Y	0.131			<20											
9	0800	6	Y	0.097														
10			N	0.119														
11			N	0.091														
12	0800	6	Y	0.082	16	6.3		2	0.14	3.4	<1	6.9						
13	1000	6	Y	0.155			<20											
14	1200	4	Y	0.132														
15	0800	7	Y	0.118														
16	0800	7.5	Y	0.135														
17	1005	1	Y	0.130														
18	0930	1	Y	0.111														
19	0800	7.5	Y	0.095	15	6.0	<20	4.4	0.16	3.2	1	7.6						
20	1000	6	Y	0.136														
21	0800	7.5	Y	0.150														
22	1055	1	Y	0.141	Holiday													
23	0905	1	Y	0.058	Holiday													
24	1100	1	Y	0.101														
25	0930	1	Y	0.074														
26	0800	7	Y	0.087	14	6.6		4.6	0.12	2.8	1	7.8						
27	1200	4	Y	0.120														
28	1200	4	Y	0.127			<20											
29	1200	4	Y	0.095														
30	0820	1.5	Y	0.118														
31																		
AVERAGE				0.113	15		0	3.3	0.11	3.0	1	7.5			11.7	209		
MAXIMUM				0.155	16	6.7	<20	4.6	0.16	3.4	1	7.8			11.7	209		
MINIMUM				0.058	14	6.0	<20	2.0	<0.10	2.4	<1	6.9			11.7	209		
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	G	C
Monthly Limit				0.300		6-9	28ug	16mg	4.0mg	30mg	200	5mg						

NPDES NO.	NC0081370	**DISCHARGE NO.**	001	**MONTH** November	**YEAR** 2012
FACILITY NAME	McLin Creek - City of Claremont	**COUNTY**	Catawba		
STREAM	McLin Creek	**STREAM**	McLin Creek		
LOCATION	Bethany Church Rd.	**LOCATION**	Old Catawba Rd.		

Upstream

		00010	00300	00400	00310	00340	31616	00095	
Date	**Time 2400 Clock**	**TEMPERATURE**	**DO**	**pH**	**BOD5**	**COD**	**FECAL COLIFORM**	**Conductivity**	
	HRS	**° C**	**mg/L**	**Units**	**mg/L**	**mg/L**	**#/100ml**	**UMHOS**	
1									
2									
3									
4									
5									
6	1240	8.6	12.5						
7									
8									
9									
10									
11									
12									
13	1320	13	11.5						
14									
15									
16									
17									
18									
19									
20									
21	1300	8.9	13.8						
22	Holiday								
23	Holiday								
24									
25									
26	1250	5.9	12.1						
27									
28									
29									
30									
31									
Average		9.1	12.5						
Maximum		13	13.8						
Minimum		5.9	11.5						

Downstream

	00010	00300	00400	00310	00340	31616	00095	
Time 2400 Clock	**TEMPERATURE**	**DO**	**pH**	**BOD5**	**COD**	**FECAL COLIFORM**	**Conductivity**	
HRS	**° C**	**mg/L**	**Units**	**mg/L**	**mg/L**	**#/100ml**	**UMHOS**	
1300	8.5	12.1						
1341	14	12.7						
1235	8.6	13.9						
Holiday								
Holiday								
1315	6.3	12.8						
Avg	9.4	12.9						
Max	14	13.9						
Min	6.3	12.1						