INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2013

. ACILITY NAME North - 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	1115	24	6.1	12	620 4		620							
3														
4														
5														
6														
7														
8														
9	1056	24	6.8	19	3060		5840							
10														
11														
12														
13														
14														
15														
16	1046	24	6.9	19	735 4		360							
17														
18														
19														
20														
21														
22														
23	0825	24	6.6	14	698 4		1250							
24	Holiday													
25	Holiday													
26	Holiday													
27														
28														
29														
30	0939	24	7.0	14	505		590							
31														
Average				16	1124		1732			99	99			
Maximum			7.0	19	3060		5840							
Minimum			6.1	12	505		360							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2013

FACILITY NAME North - 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 1-16-14

(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	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	P/F
1			N	0.064													
2	1000	2	Y	0.068	12	6.2		7.8 4	0.16	8.4	4	6.5			9.3	231	
3	0930	0.5	Y	0.070													
4	1200	2	Y	0.068			<20										
5	0930	2	Y	0.066													
6	1300	0.5	Y	0.064			<20										
7			N	0.088													
8			N	0.047													
9	1300	1	Y	0.058	17	7.4		3.1	<0.10	4.2	3	8.6					
10	1100	1	Y	0.082													
11	1300	1	Y	0.074			<20										
12	1100	2	Y	0.071													
13	0930	0.5	Y	0.061			<20										
14			N	0.069													
15			N	0.094													
16	0925	0.5	Y	0.070	17	7.2		6.7 4	<0.10	8.8	1	8.4					
17	1400	2	Y	0.069													
18	1300	3	Y	0.073			<20										
19	0900	1	Y	0.071			<20										
20	1200	2	Y	0.063													
21			N	0.063													
22			N	0.068													
23	1100	4	Y	0.159	14	6.1	<20	6.7 4	0.14	6.6		6.7					
24			H	0.153	Holiday												
25			H	0.086	Holiday												
26			H	0.061	Holiday												
27	1300	0.5	B	0.073			<20				<1						
28			N	0.075													
29			N	0.078													
30	1200	4	Y	0.109	11	7.7	<20	40	0.40	72.0	<1	8.4					
31	1200	2	Y	0.086			<20										
AVERAGE				0.077	14		0	13	0.14	20.0	2	7.7			9.3	231	
MAXIMUM				0.159	17	7.7	<20	40	0.40	72.0	4	8.6			9.3	231	
MINIMUM				0.047	11	6.1	<20	3.1	<0.10	4.2	<1	6.5			9.3	231	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1340	13	9.9						
5									
6									
7									
8									
9									
10									
11	1140	6.4	11.7						
12									
13									
14									
15									
16									
17	1210	8.3	11.2						
18									
19									
20									
21									
22									
23	1527	8.9	11.8						
24	Holiday								
25	Holiday								
26	Holiday								
27									
28									
29									
30									
31									
Average		9.2	11.2						
Maximum		13	11.8						
Minimum		6.4	9.9						

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	
1320	12	10						
1201	6	11.5						
1230	7.8	11.5						
1505	8.3	12.1						
Holiday								
Holiday								
Holiday								
Avg	8.5	11.3						
Max	12	12.1						
Min	6.0	10.0						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH November YEAR 2013

FACILITY NAME North - 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	0741	24	6.9	16	728 [4]		947							
6														
7														
8														
9														
10														
11	1116	24	6.5	14	522 [4]		540							
12														
13														
14														
15														
16														
17														
18	1044	24	6.9	20	477		373							
19														
20														
21														
22														
23														
24														
25	1010	24	6.2	9.7	1785 [4]		3680							
26														
27														
28	Holiday													
29	Holiday													
30														
31														
Average				15	878		1385			99	99			
Maximum			6.9	20	1785		3680							
Minimum			6.2	9.7	477		373							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH November YEAR 2013

FACILITY NAME North - 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*** ☐

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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 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	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	P/F
1	1200	1	Y	0.057													
2			N	0.063													
3			N	0.055													
4	0800	0.5	Y	0.049													
5	1200	3	Y	0.052	15	7.2	<20	7.8 [1]	0.26	19.0	<1	8.4			14.5	188	
6	0800	4	Y	0.059			<20										
7	1300	2	Y	0.057													
8	0800	0.5	B	0.051													
9			N	0.062													
10			N	0.071													
11	1000	6	Y	0.059	14	6.3		6.6 [1]	0.71	45.0	<1	6.6					
12	1200	3	Y	0.066			<20										
13	1000	3	Y	0.065													
14	1300	2	Y	0.066			<20										
15	1100	1.5	Y	0.075													
16			N	0.065													
17			N	0.066													
18	1100	2	Y	0.073	18	7.2		4.8	0.14	9.2	4	8.2					
19	1130	3	Y	0.060													
20	1400	2	Y	0.053			<20										
21	1000	1	Y	0.058			<20										
22	1200	1	Y	0.058													
23			N	0.060													
24			N	0.056													
25	0900	1	Y	0.055	11	6.2		3.5 [1]	<0.10	2.8		6.5					
26	1000	0.5	Y	0.058			<20										
27	0800	0.5	Y	0.174			<20				9						
28			H	0.086	Holiday												
29			H	0.077	Holiday												
30			N	0.065													
31																	
AVERAGE				0.066	15		0	5.7	0.30	19.0	2	7.4			14.5	188	
MAXIMUM				0.174	18	7.2	<20	7.8	0.71	45.0	9	8.4			14.5	188	
MINIMUM				0.049	11	6.2	<20	3.5	<0.10	2.8	<1	6.5			14.5	188	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH November YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1201	12	10						
7									
8									
9									
10									
11									
12									
13									
14	1436	9.3	11						
15									
16									
17									
18									
19	0955	9.2	11						
20									
21									
22									
23									
24									
25									
26	1325	9.1	12						
27									
28	Holiday								
29	Holiday								
30									
31									
Average		9.9	11						
Maximum		12	12						
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	
1220	13	11						
1458	9.1	12						
1015	9.6	11						
1400	8.9	12						
Holiday								
Holiday								
Avg	10	12						
Max	13	12						
Min	8.9	11						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH October YEAR 2013

FACILITY NAME North - 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	1200	24	6.1	21	690		295							
8														
9														
10														
11														
12														
13														
14														
15	1003	24	7.1	18	610		685							
16														
17														
18														
19														
20														
21	1021	24	7.2	18	445		520							
22														
23														
24														
25														
26														
27														
28	0847	24	6.7	20	735		740							
29														
30														
31														
Average				19	620		560			99	98			
Maximum			7.2	21	735		740							
Minimum			6.1	18	445		295							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH October YEAR 2013

FACILITY NAME North - 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	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	P/F
1	0900	0.5	Y	0.058													
2	1300	2	Y	0.059													
3	1030	1	Y	0.062			<20										
4	1130	1	Y	0.056			<20										
5			N	0.063													
6			N	0.061													
7	0930	6	Y	0.077	22	6.1		7.6	0.36	8.8	8	6.7	11.5	2.6	14.3	252	
8	1200	0.5	Y	0.065													
9	1000	1.5	Y	0.060			<20										
10	1000	1	Y	0.061			<20										
11	1300	1	Y	0.060													
12			N	0.056													
13			N	0.081													
14	1000	1	Y	0.037													P
15	0930	2	Y	0.060	18	7.4	<20	5.9	0.24	4.0	1	8.2					
16	0900	0.5	Y	0.059													
17	1020	0.5	Y	0.065			<20										
18	1100	1	Y	0.069													
19			N	0.067													
20			N	0.050													
21	1100	1	Y	0.060	18	7.3	<20	4.7	0.21	8.4	<1	8.4					
22	1230	0.5	Y	0.060													
23	1130	0.5	Y	0.062													
24	1300	0.5	Y	0.072			<20										
25	0550	0.5	Y	0.040													
26			N	0.061													
27			N	0.059													
28	1000	1	Y	0.059	15	7.3	<20	7.8	0.30	20.0		8.3					
29	0930	0.5	Y	0.059							<1						
30	1000	2	Y	0.062													
31	0900	0.5	Y	0.062			<20										
AVERAGE				0.061	18		0	6.5	0.28	10.3	2	7.9	11.5	2.6	14.3	252	P
MAXIMUM				0.081	22	7.4	<20	7.8	0.36	20.0	8	8.4	11.5	2.6	14.3	252	P
MINIMUM				0.037	15	6.1	<20	4.7	0.21	4.0	<1	6.7	11.5	2.6	14.3	252	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	October
YEAR	2013				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	1527	11	10.1						
4									
5									
6									
7									
8									
9									
[illegible]									
[illegible]	1040	16	9.6						
12									
13									
14									
15									
16	1009	16	8.9						
17									
18									
19									
20									
21									
22									
23									
24	1110	9.9	10.6						
25									
26									
27									
28	1010	11	10.0						
29									
30									
[illegible]									
Average		13	9.8						
Maximum		16	10.6						
Minimum		9.9	8.9						

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	
1505	11	10.3						
1111	17	9.7						
1029	16	8.8						
1050	9.7	10.7						
1029	12	10.1						
Avg	13	9.9						
Max	17	10.7						
Min	9.7	8.8						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH September YEAR 2013

ACILITY NAME North - City of Claremont COUNTY Catawba

DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
			00400	00010	00310	00610	00530	00340						
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2	Holiday													
3	0941	24	6.7	21	450 4		287							
4														
5														
6														
7														
8														
9	1031	24	6.7	22	600		627							
10														
11														
12														
13														
14														
15														
16														
17	1128	24	6.9	23	570 1		660							
18														
19														
20														
21														
22														
23	1136	24	6.8	23	788 4		980							
24														
25														
26														
27														
28														
29														
30	1021	24	6.9	23	720		650							
31														
Average				22	626		641			99	98			
Maximum			6.9	23	788		980							
Minimum			6.7	21	450		287							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH September YEAR 2013

FACILITY NAME North - 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

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SURFACE WATER PROTECTION SECTION
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RALEIGH, NC 27699-1617

x Jody Ledford 10-04-13

(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	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	P/F
1			N	0.057													
2	1230	0.5	Y	0.070	Holiday												
3	0930	0.5	Y	0.061	24	6.3		6.4 4	0.75	5.6	3	5.2			<5.0	63.2	
4	0800	2	Y	0.062			<20										
5	0930	0.5	Y	0.068													
6	1330	0.5	Y	0.054			<20										
7			N	0.056													
8			N	0.059													
9	0900	0.5	Y	0.060	23	7.5		8.2	0.14	24.0	<1	8.2					
10	0930	0.5	Y	0.064			<20										
11	0930	0.5	Y	0.060			<20										
12	0800	4	Y	0.060													
13	0800	2	Y	0.057													
14			N	0.055													
15			N	0.054													
16	1130	0.5	Y	0.064													
17	1200	0.5	Y	0.059	22	7.4		>19 1 3	2.03	20.0	5	8.4					
18	1010	1	Y	0.062			<20										
19	1200	2	Y	0.055			<20										
20	1130	1	Y	0.059													
21			N	0.063													
22			N	0.079													
23	0900	0.5	Y	0.056	22	7.3		3 4	0.14	4.8	3	8.6					
24	1000	0.5	Y	0.058													
25	0800	1	Y	0.061													
26	1000	0.5	Y	0.058			<20										
27	0930	0.5	Y	0.058			<20										
28			N	0.056													
29			N	0.061													
30	1300	1	Y	0.054	22	7.2		9.8	0.12	16.8	<1	8.8					
31																	
AVERAGE				0.060	23		0	9.3	0.64	14.2	2	7.8			0	63.2	
MAXIMUM				0.079	24	7.5	<20	>19	2.03	24.0	5	8.8			<5.0	63.2	
MINIMUM				0.054	22	6.3	<20	3.0	0.12	4.8	<1	5.2			<5.0	63.2	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	September
YEAR	2013				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	1220	20	7.7						
5									
6									
7									
8									
9	1050	20	7.9						
10									
12									
13									
14									
15									
16	1300	19	8.1						
17									
18									
19									
20									
21									
22									
23									
24									
25									
26	1232	17	8.6						
27									
28									
29									
30									
31									
Average		19	8.1						
Maximum		20	8.6						
Minimum		17	7.7						

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								
1250	20	7.8						
1020	20	8.2						
1319	19	8.4						
1200	17	8.5						
Avg	19	8.2						
Max	20	8.5						
Min	17	7.8						

INFLUENT

NPDES NO. NC0032662 **DISCHARGE NO.** 001 **MONTH** August **YEAR** 2013

FACILITY NAME North - 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	1047	24	6.8	22	1290		1880							
6														
7														
8														
9														
10														
11														
12	1123	24	6.9	22	695		680							
13														
14														
15														
16														
17														
18														
19														
20	1007	24	7.1	23	338		228							
21														
22														
23														
24														
25														
26	1053	24	6.7	22	495		537							
27														
28														
29														
30														
31														
Average				22	705		831			99	99			
Maximum			7.1	23	1290		1880							
Minimum			6.7	22	338		228							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH August YEAR 2013

FACILITY NAME North - 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	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	P/F
1	0800	2	Y	0.041													
2	1030	0.5	Y	0.042													
3			N	0.037													
4			N	0.033													
5	1100	3	Y	0.029	23	7.5		8.2	0.26	8.0	<1	8.2			<38	83	
6	1000	1	Y	0.064													
7	1030	0.5	Y	0.066			<20										
8	1230	1	Y	0.066			<20										
9	1300	1	Y	0.062													
10			N	0.058													
11			N	0.091													
12	0930	0.5	Y	0.060	24	7.4		5.1	0.21	4.0		8.2					
13	1400	1	Y	0.100							29						
14	1230	0.5	Y	0.080			<20										
15	1100	3	Y	0.070													
16	0800	0.5	Y	0.066			<20										
17			N	0.111													
18			N	0.038													
19	1400	1	Y	0.075							<1						
20	0800	2	Y	0.093	24	7.3		11	0.41	16.0		8.2					
21	0800	2	Y	0.077													
22	0800	2	Y	0.075			<20										
23	1100	0.5	Y	0.069			<20										
24			N	0.075													
25			N	0.064													
26	1230	0.5	Y	0.058	23	7.1		6.5	0.10	6.0	<1	8.2					
27	0800	1	Y	0.065			<20										
28	0800	2	Y	0.063													
29	1000	1	Y	0.065			<20										
30	0700	0.5	B	0.066													
31			N	0.059													
AVERAGE				0.065	24		0	7.7	0.25	8.5	2	8.2			0	83	
MAXIMUM				0.111	24	7.5	<20	11	0.41	16.0	29	8.2			<38	83	
MINIMUM				0.029	23	7.1	<20	5.1	0.10	4.0	<1	8.2			<38	83	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	August	YEAR	2013
FACILITY NAME	North - City of Claremont			COUNTY	Catawba		
EAM	Mull Creek			STREAM	Mull Creek		
LOCATION	State Rd. 1715			LOCATION	State Rd. 1716		

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									
7	1000	20	7.7						
8									
9									
11									
12									
13									
14									
15	1240	18	8.7						
16									
17									
18									
19									
20									
21	1250	19	8.1						
22									
23									
24									
25									
26									
27	1330	19	8.8						
28									
29									
30									
Average		19	8.3						
Maximum		20	8.8						
Minimum		18	7.7						

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	
1016	20	8.0						
1300	20	8.4						
1311	20	8.6						
1350	19	8.9						
Avg	20	8.5						
Max	20	8.9						
Min	19	8.0						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH July YEAR 2013

ACILITY NAME North - 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	1110	24	4.9	19	1860		2190							
2														
3														
4	Holiday													
5														
6														
7														
8														
9	1029	24	7.0	21	428		323							
10														
11														
12														
13														
14														
15														
16	1022	24	7.0	22	1170		2040							
17														
18														
19														
20														
21														
22	1033	24	7.1	22	1560		2000							
23														
24														
25														
26														
27														
28														
29														
30														
31	1052	24	6.5	22	683		780							
Average				21	1140		1467			99	99			
Maximum			7.1	22	1860		2190							
Minimum			4.9	19	428		323							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH July YEAR 2013

FACILITY NAME North - 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*** ☐

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SURFACE WATER PROTECTION SECTION
ATTN: CENTRAL FILES
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

x Jody Ledford 8-23-13
(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	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	P/F
1	1330	0.5	Y	0.064	20	6.0		13 [4]	0.14	8.4	2	6.7	10.1	2.7	<38	97	
2	0900	1	Y	0.065													
3	0800	2	Y	0.120			<20										
4			H	0.140	Holiday												
5	1000	1	Y	0.182			<20										
6			N	0.151													
7			N	0.092													
8	0900	1	Y	0.124													P
9	1530	0.5	Y	0.087	24	7.5		20	1.05	32.0		8.1					
10	1030	0.5	Y	0.089													
11	0800	3	Y	0.064			<20				22						
12	0800	1	Y	0.070			<20										
13			N	0.066													
14			N	0.066													
15	1400	1	Y	0.068													
16	1230	0.5	Y	0.064	25	7.4		19 [1]	1.70	11.6		7.9					
17	0800	4	Y	0.063			<20										
18	0800	2	Y	0.065							1						
19	1000	2	Y	0.060			<20										
20			N	0.065													
21			N	0.058													
22	1330	3.5	Y	0.067	25	7.3	<20	9.6	0.18	9.2	<1	8.2					
23	1300	1	Y	0.057													
24	0800	1	Y	0.061													
25	0800	3	Y	0.059			<20										
26	1200	2	Y	0.063													
27			N	0.076													
28			N	0.155													
29	1700	0.5	Y	0.110													
30	1330	0.5	Y	0.075			<20										
31	1100	2	Y	0.055	23	7.6	<20	6.8 [1]	0.19	10.0	6	8.1					
AVERAGE				0.084	23		0	14	0.65	14.2	3	7.8	10.1	2.7	0	97	P
MAXIMUM				0.182	25	7.6	<20	20	1.70	32.0	22	8.2	10.1	2.7	<38	97	P
MINIMUM				0.055	20	6.0	<20	6.8	0.14	8.4	<1	6.7	10.1	2.7	<38	97	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					P/F

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH July YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1422	21	7.1						
3									
4	Holiday								
5									
6									
7									
8									
9									
10									
11	1410	20	8.5						
12									
13									
14									
15									
16	1120	20	8.7						
17									
18									
19									
20									
21									
22	1215	21	8.9						
23									
24									
25									
26									
27									
28									
29									
30	1320	20	7.9						
31									
Average		20	8.2						
Maximum		21	8.9						
Minimum		20	7.1						

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	
1446	21	7.2						
Holiday								
1430	21	8.6						
1140	22	8.4						
1238	21	8.9						
1340	21	8.1						
Avg	21	8.2						
Max	22	8.9						
Min	21	7.2						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH June YEAR 2013

ACILITY NAME North - 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	1120	24	6.1	20	830		940							
4														
5														
6														
7														
8														
9														
10	1050	24	6.4	19	1275		1395							
11														
12														
13														
14														
15														
16														
17	1201	24	6.9	26	2760		4160							
18														
19														
20														
21														
22														
23														
24	1100	24	7.1	23	543		370							
25														
26														
27														
28														
29														
30														
31														
Average				22	1352		1716			99	99			
Maximum			7.1	26	2760		4160							
Minimum			6.1	19	543		370							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH June YEAR 2013

FACILITY NAME North - 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

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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	Operator 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	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	P/F
1			N	0.057													
2			N	0.057													
3	1000	1	Y	0.067	15	6.1		7.9	0.30	15.6	4100	6.8			<38	106	
4	0800	1	Y	0.064			<20										
5	0700	2	Y	0.064							2						
6	0930	0.5	Y	0.080			<20										
7	1000	0.5	Y	0.074													
8			N	0.077													
9			N	0.059													
10	1400	2	Y	0.063	21	6.4		4.1	<0.10	7.6	3	7.0					
11	1030	0.5	Y	0.072													
12	1030	0.5	Y	0.066													
13	0800	0.5	Y	0.063			<20										
14	0800	2	Y	0.056			<20										
15			N	0.054													
16			N	0.045													
17	0900	1	Y	0.048	24	6.9		6.5	0.33	25.0	<1	8.1					
18	1000	0.5	Y	0.081													
19	0800	2	Y	0.080													
20	0800	1	Y	0.062			<20										
21	1130	0.5	Y	0.061			<20										
22			N	0.059													
23			N	0.056													
24	0900	1	Y	0.051	26	7.2		10	0.21	23.0	<1	6.7					
25	1200	0.5	Y	0.063													
26	0800	2	Y	0.061			<20										
27	0800	1	Y	0.073													
28	0900	0.5	Y	0.061			<20										
29			N	0.069													
30			N	0.058													
31																	
AVERAGE				0.063	22		0	7.1	0.21	17.8	8	7.2			0	106	
MAXIMUM				0.081	26	7.2	<20	10	0.33	25.0	4100	8.1			<38	106	
MINIMUM				0.045	15	6.1	<20	4.1	<0.10	7.6	<1	6.7			<38	106	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH June YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1410	20	8.7						
4									
5									
6									
7									
8									
9									
10									
[illegible]	1030	19	7.8						
12									
13									
14									
15									
16									
17									
18	1230	20	7.1						
19									
20									
21									
22									
23									
24									
25	1320	22	8.3						
26									
27									
28									
29									
30									
31									
[illegible]rage		20	8.0						
Maximum		22	8.7						
Minimum		19	7.1						

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	
1430	21	8.9						
1056	20	7.9						
1210	22	7.4						
1340	22	8.2						
Avg	21	8.1						
Max	22	8.9						
Min	20	7.4						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH May YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

DATE	TIME 2400 CLOCK	COMPOSITE TIME	pH	TEMPERATURE	BOD5	AMMONIA NITROGEN	TOTAL SUSPENDED RESIDUE	COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
			00400	00010	00310	00610	00530	00340						
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4														
5														
6														
7														
8	1002	24	6.7	16	333		210							
9														
10														
11														
12														
13	1120	24	6.4	16	332		197							
14														
15														
16														
17														
18														
19														
20	1020	24	6.9	17	515		263							
21														
22														
23														
24														
25														
26														
27	Holiday													
28	0957	24	7.1	19	2160 [4]		3610							
29														
30														
31														
Average				17	835		1070			99	99			
Maximum			7.1	19	2160		3610							
Minimum			6.4	16	332		197							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH May YEAR 2013

FACILITY NAME North - 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	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	P/F
1	0800	2	Y	0.081													
2	0930	0.5	Y	0.070													
3	0930	0.5	Y	0.069													
4			N	0.083													
5			N	0.051													
6	0930	0.5	Y	0.113													
7	1000	0.5	Y	0.165													
8	1030	0.5	Y	0.104	16	7.0	<20	15	<0.10	7.2	<1	8.0			<38	58	
9	1030	1	Y	0.100			<20										
10	0800	2	Y	0.078													
11			N	0.084													
12			N	0.088													
13	0930	0.5	Y	0.074	19	6.5	<20	10	<0.10	14.4	2	6.9					
14	1000	1	Y	0.073													
15	0800	2	Y	0.073													
16	0930	0.5	Y	0.066			<20										
17	0900	0.5	Y	0.070													
18			N	0.069													
19			N	0.071													
20	1400	1	Y	0.066	18	6.5		12	0.12	14.0	2	6.8					
21	1300	0.5	Y	0.071													
22	0800	2	Y	0.070													
23	0930	0.5	Y	0.070			<20										
24	1200	0.5	Y	0.065			<20										
25			N	0.079													
26			N	0.034													
27			H	0.061	Holiday												
28	1130	2	Y	0.060	19	7.6	<20	10 H	3.96	19.0	<1	8.3					
29	0800	2	Y	0.060													
30	1200	1	Y	0.061			<20										
31	1000	1	Y	0.062													
AVERAGE				0.076	18		0	12	1.02	13.7	1	7.5			0	58	
MAXIMUM				0.165	19	7.6	<20	15	3.96	19.0	2	8.3			<38	58	
MINIMUM				0.034	16	6.5	<20	10	<0.10	7.2	<1	6.8			<38	58	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	May
YEAR	2013				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	1220	17	10.2						
8									
9									
10									
11									
12									
13	1240	14	10.3						
14									
15									
16									
17									
18									
19									
20									
21									
22	1105	17	10.0						
23									
24									
25									
26									
27	Holiday								
28									
29									
30	1020	17	9.2						
31									
Average		16	9.9						
Maximum		17	10.3						
Minimum		14	9.2						

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	
1									
2									
3									
4									
5									
6									
7	1245	17	10.1						
8									
9									
10									
11									
12									
13	1305	15	10.4						
14									
15									
16									
17									
18									
19									
20									
21									
22	1125	18	10.0						
23									
24									
25									
26									
27	Holiday								
28									
29									
30	1040	17	9.2						
31									
Avg		17	9.9						
Max		18	10.4						
Min		15	9.2						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME North - 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	1007	24	7.2	12	945		790							
3														
4														
5														
6														
7														
8	1034	24	7.3	12	407		317							
9														
10														
11														
12														
13														
14														
15	1108	24	7.3	15	615		620							
16														
17														
18														
19														
20														
21														
22	1047	24	6.9	14	433		340							
23														
24														
25														
26														
27														
28														
29														
30	1009	24	7.1	14	337		290							
31														
Average				13	547		471			98	98			
Maximum			7.3	15	945		790							
Minimum			6.9	12	337		290							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME North - 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:
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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	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	P/F
1	1030	1	Y	0.106							<1						P
2	1020	1	Y	0.077	11	8.0		8.5	<0.10	4.4		8.4	8.5	0.82	<38	109	
3	1030	1	Y	0.071			<20										
4	1000	1	Y	0.072													
5	0930	0.5	Y	0.127			<20										
6			N	0.096													
7			N	0.077													
8	0700	0.5	B	0.079	12	7.6		10	0.30	8.8		8.2					
9	0930	1	Y	0.066							<1						
10	1200	0.5	Y	0.069													
11	0800	0.5	Y	0.062			<20										
12	1000	1	Y	0.101			<20										
13	1030	0.5	Y	0.116													
14	0930	1	Y	0.068													
15	1040	1	Y	0.062	14	7.9		7.7	<0.10	8.0	2	8.7					
16	0800	1.5	Y	0.076													
17	0800	1	Y	0.068			<20										
18	1230	1	Y	0.077			<20										
19	0900	1	Y	0.059													
20			N	0.079													
21			N	0.066													
22	0930	0.5	Y	0.058	14	7.5		17	0.11	16.0	2	8.4					
23	1530	0.5	Y	0.062													
24	1300	1	Y	0.065			<20										
25	0800	4	Y	0.063													
26	1500	1	Y	0.064			<20										
27	1200	1	Y	0.062													
28	0900	1	Y	0.059													
29	0930	0.5	Y	0.153			<20				4						
30	1000	0.5	Y	0.109	15	7.3	<20	14	<0.10	21.0		8.6					
31																	
AVERAGE				0.079	13		0	11	0.08	11.6	2	8.5	8.5	0.82	0	109	P
MAXIMUM				0.153	15	8.0	<20	17	0.30	21.0	4	8.7	8.5	0.82	<38	109	P
MINIMUM				0.058	11	7.3	<20	7.7	<0.10	4.4	<1	8.2	8.5	0.82	<38	109	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH April YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1130	10	11.3						
3									
4									
5									
6									
7									
8									
9									
[illegible]									
[illegible]	1030	16	11.4						
12									
13									
14									
15									
16									
17	1240	17	10.2						
18									
19									
20									
21									
22									
23	1418	15	10.8						
24									
25									
26									
27									
28									
29									
30	1113	15	9.5						
[illegible]									
Average		15	10.6						
Maximum		17	11.4						
Minimum		10	9.5						

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	
1149	11	11.3						
1050	16	11.4						
1300	17	10.1						
1355	14	10.9						
1132	15	9.6						
Avg	15	10.7						
Max	17	11.4						
Min	11	9.6						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH March YEAR 2013

FACILITY NAME North - 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	1031	24	7.1	12	1230		685							
5														
6														
7														
8														
9														
10														
11														
12														
13														
14	1018	24	6.5	13	398		447							
15														
16														
17														
18	1103	24	6.9	13	375		265							
19														
20														
21														
22														
23														
24														
25	1137	24	6.5	12	410		215							
26														
27														
28														
29	Holiday													
30														
31														
Average				13	603		403			97	97			
Maximum			7.1	13	1230		685							
Minimum			6.5	12	375		215							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH March YEAR 2013

FACILITY NAME North - 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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SURFACE WATER PROTECTION SECTION
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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	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	P/F
1	0800	1	Y	0.082							3						
2	1100	0.5	Y	0.082													
3	0920	0.5	Y	0.065													
4	1200	1	Y	0.066	9.8	7.1		16	<0.10	16.4	3	8.6			5.7	137	
5	0800	0.5	Y	0.073													
6	1230	0.5	Y	0.093			<20										
7	0900	1	Y	0.073			<20										
8	1530	0.5	Y	0.074													
9	1030	1	Y	0.082													
10	0925	0.5	Y	0.060													
11	0800	6	Y	0.064													
12	1300	1	Y	0.078													
13	0800	1	Y	0.080													
14	1000	1	Y	0.076	8.9	7.9	<20	20	<0.10	13.6	<1	8.6					
15	0900	1	Y	0.064			<20										
16			N	0.072													
17			N	0.064													
18	0800	2	Y	0.064	9.4	7.5		13	0.11	10.8		8.4					
19	0830	0.5	Y	0.061			<20				<1						
20	0800	2	Y	0.066													
21	0800	0.5	Y	0.062			<20										
22	0800	0.5	Y	0.058													
23			N	0.064													
24			N	0.069													
25	1230	0.5	Y	0.073	13	6.5		13	<0.10	5.2	1	6.9					
26	1130	0.5	Y	0.066			<20										
27	1200	1	Y	0.064													
28	1000	1	Y	0.062			<20										
29	1130	0.5	Y	0.072	Holiday												
30	1130	0.5	Y	0.063													
31	0920	0.5	Y	0.062													
AVERAGE				0.069	10		0	16	0.03	11.5	2	8.1			5.7	137	
MAXIMUM				0.093	13	7.9	<20	20	0.11	16.4	3	8.6			5.7	137	
MINIMUM				0.058	8.9	6.5	<20	13	<0.10	5.2	<1	6.9			5.7	137	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	March
YEAR	2013				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	1415	10	10.9						
7									
8									
9									
10									
11									
12									
13	1130	9.3	11.5						
14									
15									
16									
17									
18									
19									
20	1220	9.6	11.1						
21									
22									
23									
24									
25									
26	1110	6.8	12.0						
27									
28									
29	Holiday								
30									
31									
Average		8.9	11.4						
Maximum		10	12.0						
Minimum		6.8	10.9						

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	
1435	10	11.0						
1200	9.1	11.8						
1245	9.6	11.7						
1130	7.2	12.3						
Holiday								
Avg	9.0	11.7						
Max	10	12.3						
Min	7.2	11.0						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH February YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

DATE	TIME 2400 CLOCK	COMPOSITE TIME	00400 pH	00010 TEMPERATURE	00310 BOD5	00610 AMMONIA NITROGEN	00530 TOTAL SUSPENDED RESIDUE	00340 COD		EFFLUENT BOD REMOVAL	EFFLUENT TSS REMOVAL			
		HRS	UNITS	°C	mg/L	mg/L	mg/L	mg/L		%	%			
1														
2														
3														
4	1115	24	7.3	13	395 4		268							
5														
6														
7														
8														
9														
10														
11	1111	24	7.1	13	1095		1120							
12														
13														
14														
15														
16														
17														
18	1056	24	7.4	11	408 4		282							
19														
20														
21														
22														
23														
24														
25														
26														
27														
28	1002	24	7.0	12	577 4		340							
29														
30														
31														
Average				12	619		503			94	96			
Maximum			7.4	13	1095		1120							
Minimum			7.0	11	395		268							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH February YEAR 2013

FACILITY NAME North - 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	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	P/F
1	0830	0.5	Y	0.077													
2	1100	0.5	Y	0.083													
3	0920	0.5	Y	0.066													
4	0080	0.5	Y	0.052	13	7.5		8.6 4	<0.10	7.2	1	8.1			<5	119	
5	1350	0.5	Y	0.066			<20										
6	0800	0.5	Y	0.062													
7	0800	0.5	Y	0.070			<20										
8	0920	0.5	Y	0.089													
9	0830	0.5	Y	0.068													
10	0930	0.5	Y	0.066													
11	0930	0.5	Y	0.075	12	7.6		74	1.50	41.0	>6000	8.0					
12	1330	0.5	Y	0.091													
13	0930	1	Y	0.059			<20										
14	1200	1	Y	0.064							2						
15	0900	0.5	Y	0.068			<20										
16	0930	0.5	Y	0.066													
17	0930	0.5	Y	0.070													
18	1000	0.5	Y	0.054	8.3	7.7		64 4	0.17	14.0	1	9.4					
19	1200	0.5	Y	0.067			<20										
20	0800	1	Y	0.067				26 4									
21	0800	0.5	Y	0.067													
22	0800	0.5	Y	0.077			<20										
23			N	0.082													
24			N	0.075													
25	0950	0.5	Y	0.066													
26	1000	0.5	Y	0.071			<20										
27	0800	1	Y	0.177			<20										
28	0800	0.5	Y	0.099	10	7.8		>15 4	0.21	24.0	590	8.7					
29																	
30																	
31																	
AVERAGE				0.075	11		0	38	0.47	21.6	23	8.6			0	119	
MAXIMUM				0.177	13	7.8	<20	74	1.50	41.0	>6000	9.4			<5	119	
MINIMUM				0.052	8.3	7.5	<20	8.6	<0.10	7.2	1	8.0			<5	119	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH February YEAR 2013

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1325	8.1	12.1						
7									
8									
9									
11									
12	1310	11	11.3						
13									
14									
15									
16									
17									
18									
19									
20	1250	7.7	12.3						
21									
22									
23									
24									
25	1230	7.7	12.6						
26									
27									
28									
29									
30									
Average		8.6	12.1						
Maximum		11	12.6						
Minimum		7.7	11.3						

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	
1345	7.9	12.5						
1330	11	11.8						
1310	7.8	12.9						
1250	7.9	12.8						
Avg	8.7	12.5						
Max	11	12.9						
Min	7.8	11.8						

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

Public Utilities

March 25, 2013

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

RE: Noncompliance notification for BOD Violation at
City of Claremont; North WWTP NPDES NC0032662

Dear Sir or Madam:

The purpose of this correspondence is to notify the Division of a non-compliance event for the City of Claremont North WWTP (Permit # NC0032662) during the month of February 2013. The facility was noncompliant for BOD the week 2/11/2013 with a 74mg/l and resulted in a violation in the BOD for the month of 38mg/l.

The Plant received higher than normal solids and high BOD from an unknown source. The plant has recovered and has been well within the weekly and monthly limits since the occurrence.

The City of Hickory Pretreatment and Laboratory staffs, Treatment Facility staff and the City of Claremont Collections staff are diligently investigating points in the Collection System for possible sources in an attempt 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 R. Ledford, ORC
North WWTP NPDES NC0032662

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. NC0032662 DISCHARGE NO. 001 MONTH January YEAR 2013

FACILITY NAME North - 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	1027	24	6.8	15	547 Y		205							
8														
9														
10														
11														
12														
13														
14														
15	1017	24	7.1	15	620		510							
16														
17														
18														
19														
20														
21	Holiday													
22	1013	24	7.1	12	1058 Y		1080							
23														
24														
25														
26														
27														
28	1039	24	7.3	13	675		390							
29														
30														
31														
Average				14	725		546			98	98			
Maximum			7.3	15	1058		1080							
Minimum			6.8	12	547		205							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH January YEAR 2013

FACILITY NAME North - 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 2-28-13
(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	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	P/F
1	0800	1	Y	0.065	Holiday												
2	0900	1	Y	0.078													
3	0800	2	Y	0.067			<20										
4	0900	0.5	Y	0.068			<20										
5	0930	0.5	Y	0.066													
6	1030	0.5	Y	0.057													
7	0920	0.5	Y	0.054	14	6.9		>15 3	0.11	11.2	370	6.9	15.6	2.0	5.2	107	
8	1300	0.5	Y	0.067													
9	1000	1	Y	0.066			<20										
10	1300	2	Y	0.054													
11	0800	0.5	Y	0.056			<20										
12			N	0.064													
13			N	0.054													
14	1400	0.5	Y	0.059													P
15	1300	1	Y	0.075	14	7.3		7.7	0.47	8.8	5	8.3					
16	1200	0.5	Y	0.101			<20										
17	0930	0.5	Y	0.129													
18	0900	0.5	Y	0.164			<20										
19	0900	0.5	Y	0.141													
20	0900	0.5	Y	0.111													
21	1530	0.5	Y	0.040	Holiday												
22	0900	0.5	Y	0.069	8.4	7.3		14 4	0.99	14.4	2	7.9					
23	1200	1	Y	0.066			<20										
24	0800	1	Y	0.067			<20										
25	0930	1	Y	0.061													
26			N	0.066													
27			N	0.057													
28	0930	0.5	Y	0.056	13	7.4		9.9	0.63	12.0	15	8.1					
29	0800	4	Y	0.063			<20										
30	0800	2	Y	0.063													
31	1100	0.5	Y	0.149			<20										
AVERAGE				0.076	12		0	12	0.55	11.6	15	7.8	15.6	2.0	5.2	107	P
MAXIMUM				0.164	14	7.4	<20	>15	0.99	14.4	370	8.3	15.6	2.0	5.2	107	P
MINIMUM				0.040	8.4	6.9	<20	7.7	0.11	8.8	2	6.9	15.6	2.0	5.2	107	P
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	January
YEAR	2013				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	Holiday								
2									
3									
4	1240	6.0	14.6						
5									
6									
7									
8	1210	5.3	12.6						
9									
10									
11									
12									
13									
14									
15									
16									
17	1325	6.8	13.5						
18									
19									
20									
21	Holiday								
22	1210	5.9	12.2						
23									
24									
25									
26									
27									
28	1240	7.2	11.6						
29									
30									
31									
Average		6.2	12.9						
Maximum		7.2	14.6						
Minimum		5.3	11.6						

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	
Holiday								
1215	5.7	14.5						
1230	4.7	12.8						
1350	6.5	13.8						
Holiday								
1230	6.0	12.2						
1301	6.6	11.9						
Avg	5.9	13.0						
Max	6.6	14.5						
Min	4.7	11.9						

INFLUENT

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2012

. ACILITY NAME North - 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	1150	24	6.0	15	542		435							
4														
5														
6														
7														
8														
9														
10	1044	24	7.1	17	600		345							
11														
12														
13														
14														
15														
16														
17	1046	24	6.7	19	608		527							
18														
19														
20														
21														
22														
23														
24	Holiday													
25	Holiday													
26	Holiday													
27														
28	0821	24	7.3	11	562		347							
29														
30														
31	1204	24	7.2	14	565		565							
Average				15	575		444			98	97			
Maximum			7.3	19	608		565							
Minimum			6.0	11	542		345							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2012

FACILITY NAME North - 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	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	P/F
1			N	0.100													
2			N	0.100													
3	1230	1	Y	0.102	15	6.1		10	0.14	14.0	<1	6.9			<5	88	
4	0820	3	Y	0.093													
5	1000	1	Y	0.096			<20										
6	0800	1	Y	0.098													
7	1300	1	Y	0.103			<20										
8	0830	0.5	Y	0.094													
9	0930	0.5	Y	0.106													
10	1000	2	Y	0.101	16	7.6		8.8	0.76	8.4	6	7.9					
11	1450	1	Y	0.100													
12	0800	3	Y	0.106			<20										
13	0800	2	Y	0.103			<20										
14	0800	0.5	Y	0.113													
15			N	0.110													
16			N	0.109													
17	1430	0.5	Y	0.120	14	6.8		16	0.28	23.0	3	7.9					
18	0800	2	Y	0.102			<20										
19	0800	4	Y	0.116													
20	0930	1	Y	0.109			<20										
21	1200	0.5	Y	0.133													
22	1130	0.5	Y	0.134													
23	0900	1	Y	0.088													
24			H	0.106	Holiday												
25			H	0.145	Holiday												
26			H	0.053	Holiday												
27	1300	0.5	Y	0.180			<20				7						
28	0800	0.5	Y	0.081	8.8	8.0	<20	12	0.90	18.0		9.7					
29			N	0.084													
30			N	0.067													
31	1200	1	Y	0.058	17	6.7		9.4	0.12	10.0	4	8.1					
AVERAGE				0.104	14		0	11	0.44	14.7	3	8.1			0	88	
MAXIMUM				0.180	17	8.0	<20	16	0.90	23.0	7	9.7			<5	88	
MINIMUM				0.053	8.8	6.1	<20	8.8	0.12	8.4	<1	6.9			<5	88	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO. NC0032662 DISCHARGE NO. 001 MONTH December YEAR 2012

FACILITY NAME North - City of Claremont COUNTY Catawba

STREAM Mull Creek STREAM Mull Creek

LOCATION State Rd. 1715 LOCATION State Rd. 1716

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	1450	13	12.8						
5									
6									
7									
8									
9									
12	1351	11	11.4						
13									
14									
15									
16									
17	1414	11	10.7						
18									
19									
20									
21									
22									
23									
24	Holiday								
25	Holiday								
26	Holiday								
27	1130	7.3	11.9						
28									
29									
30									
Average		11	11.7						
Maximum		13	12.8						
Minimum		7.3	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	
1511	12	13.6						
1403	11	12.1						
1434	10	10.9						
Holiday								
Holiday								
Holiday								
1215	7.1	12.1						
Avg	10	12.2						
Max	12	13.6						
Min	7.1	10.9						

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

Public Utilities

January 23,2013

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

RE: Noncompliance notification for Flow Violation at
City of Claremont; North WWTP NPDES NC0032662

Dear Sir or Madam:

The purpose of this correspondence is to inform you that the City of Claremont North WWTP (Permit # NC0032662) was noncompliant for Flow the month of December 2012 with a 104 mgd monthly average.

The facility received progressively increasing flow over the month of December 2012. The cause of the increased flow was determined to be a leak on a City water line in close proximity to sanitary sewer infrastructure, which increased the flow into the sanitary sewer system. The waterline break has been repaired by City staff and the flow has returned to normal at the North WWTP.

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 R. 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. NC0032662 DISCHARGE NO. 001 MONTH November YEAR 2012

FACILITY NAME North - 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	1100	24	7.0	18	555 1		433							
6														
7														
8														
9														
10														
11														
12	1130	24	7.3	19	495		248							
13														
14														
15														
16														
17														
18														
19	1102	24	6.6	22	615		510							
20														
21														
22	Holiday													
23	Holiday													
24														
25														
26	1039	24	6.7	22	795 4		630							
27														
28														
29														
30														
31														
Average				20	615		455			99	97			
Maximum			7.3	22	795		630							
Minimum			6.6	18	495		248							
Comp.(C)/Grab (G)			G	G	C		C			85%	85%			

EFFLUENT

NPDES PERMIT NO. NC0032662 DISCHARGE NO. 001 MONTH November YEAR 2012

FACILITY NAME North - 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 12-21-12
(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	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	P/F
1	0830	0.5	B	0.074													
2	0800	0.5	B	0.081													
3			N	0.088													
4			N	0.086													
5	1300	1.5	Y	0.077	15	7.4		7.2	<0.10	11.2	2	7.9			<5	48.5	
6	1300	1	Y	0.087													
7	1530	0.5	Y	0.083													
8	0800	3	Y	0.092			<20										
9	1200	2	Y	0.062			<20										
10			N	0.056													
11			N	0.059													
12	1200	2	Y	0.060	17	6.5		7.5	0.13	17.2	1	7.0					
13	0800	2	Y	0.072			<20										
14	0800	4	Y	0.064													
15	0900	4	Y	0.063			<20										
16	1300	1	Y	0.061													
17	0930	0.5	Y	0.067													
18	0900	0.5	Y	0.060													
19	0700	0.5	Y	0.053	14	7.3	<20	9.6	0.21	15.2	<1	7.8					
20	0800	2	Y	0.063			<20										
21	1530	0.5	Y	0.065													
22	1020	0.5	Y	0.073	Holiday												
23	0800	1	Y	0.053	Holiday												
24	1020	0.5	Y	0.085													
25	0900	0.5	Y	0.087													
26	1300	1	Y	0.099	14	7.4		8.1	0.79	11.6	<1	7.9					
27	0800	4	Y	0.107			<20										
28	0800	4	Y	0.100			<20										
29	1230	1	Y	0.094													
30	0740	0.5	Y	0.098													
31																	
AVERAGE				0.076	15		0	8.1	0.28	13.8	1	7.7			0	48.5	
MAXIMUM				0.107	17	7.4	<20	9.6	0.79	17.2	2	7.9			<5	48.5	
MINIMUM				0.053	14	6.5	<20	7.2	<0.10	11.2	<1	7.0			<5	48.5	
Comp. (C) / Grab (G)					G	G	G	C	C	C	G	G	C	C	C	C	C
Monthly Limit				0.100		6-9	28ug	30mg		30mg	200	5mg					

NPDES NO.	NC0032662	DISCHARGE NO.	001	MONTH	November
YEAR	2012				
FACILITY NAME	North - City of Claremont	COUNTY	Catawba		
STREAM	Mull Creek	STREAM	Mull Creek		
LOCATION	State Rd. 1715	LOCATION	State Rd. 1716		

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	1320	8.5	12.0						
7									
8									
9									
10									
11									
12									
13	1240	13	11.6						
14									
15									
16									
17									
18									
19									
20									
21	1110	7.5	12.1						
22	Holiday								
23	Holiday								
24									
25									
26	1205	5.8	11.9						
27									
28									
29									
30									
Average		8.7	11.9						
Maximum		13	12.1						
Minimum		5.8	11.6						

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	
1346	8.9	12.1						
1300	13	12.9						
1130	8.5	12.6						
Holiday								
Holiday								
1225	8.0	12.8						
Avg	9.6	12.6						
Max	13	12.9						
Min	8.0	12.1						