CITY OF BELMONT

PRETREATMENT ANNUAL REPORT

2017

City of Belmont Pretreatment Unit

PO Box 431 * Belmont, NC 28012 * www.cityofbelmont.org
Telephone 704-825-3791 * Fax 704-825-6505

January 18, 2018

Vivien Zhong
NCDENR
1617 Mail Service Center
Raleigh, NC 27699-1601

Dear Vivien,

Enclosed is the original and one copy of the Annual PAR report for the City of Belmont Wastewater Treatment Plant for the year 2017.

If you have any questions, please feel free to contact me at 704-825-3791.

Sincerely,

Daniel Perry, MACC
City of Belmont
Pretreatment Analyst

CITY OF BELMONT

2017 PAR

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8.) Pretreatment Program Info Database

REPORTING PERIOD: January 1, 2017 TO December 31, 2017

CITY OF BELMONT
PRETREATMENT ANNUAL REPORT
2017

POTW NAME:	CITY OF BELMONT WWTP
REPORT DATE:	January 18, 2018
PERIOD COVERING:	January 1, 2017 TO December 31, 2017

For questions concerning any information contained in this report, please contact the City of Belmont WWTP at P.O. Box 431, Belmont, NC 28012 and/or at 704-825-3791.

The information in this report has been reviewed thoroughly and I find it to be true, accurate, and complete to the best of my knowledge. All parties responsible for any and all portions of this report are well aware of the significant penalties for submitting false information.

Sincerely,

Daniel Perry, MACC
City of Belmont
Pretreatment Analyst

CITY OF BELMONT

PAR

2017

COMPLIANCE SUMMARY AND WASTE REDUCTION

JANUARY 1, 2017 TO DECEMBER 31, 2017

SPARTAN DYERS #0009

-September 27, 2017 — temperature over permit limit - they received a warning letter, per their permit conditions.

Spartan Dyers had 3 NOV'S issued in 2017 (NO FINES ISSUED):

-July 19 - 20, 2017—temperature over permit limit

-July 21 – August 7, 2016—flow, temperature, pH not being continuously recorded

-August 23 – 24, 30 – September 1, 2017 —flow over permit limit

This industry has been very cooperative with the city in resolving all issues. During the Summer of 2017, there were power outages with Duke Energy that effected this industry. Since then they have taken necessary actions to ensure they operate within their permit limits. This includes installing a generator, having their meters calibrated monthly, having preventative maintenance on their equipment such as aerators, flow meters, etc.

Waste Reduction:

Codes W13, W36

Our pretreatment program is currently working with only one SIU for the year 2017. All SIU's will continue to follow our program and improve on all aspects of compliance.

Sincerely,

Daniel Perry, MACC
City of Belmont
Pretreatment Analyst

Chapter 9, PAR Guidance
Pretreatment Performance Summary (PPS)

1. Pretreatment Town Name: City of Belmont
2. "Primary" NPDES Number NC00 21181
   or Non_Discharge Permit # if applicable =>

3.	PAR begin Date, please enter 01/01/yy	3. =>	1/1/2017
4.	PAR end Date, please enter 12/31/yy	4. =>	12/31/2017
5.	Total number of SIUs, includes CIUs	5. =>	1
6.	Number of SIUs with no IUP, or with an expired IUP	6. =>	0
7.	Number of SIUs not inspected by POTW	7. =>	0
8.	Number of SIUs not sampled by POTW	8. =>	0
9.	Number of SIUs in SNC due to IUP Limit violations	9. =>	0
10.	Number of SIUs in SNC due to Reporting violations	10. =>	0
11.	Number of SIUs in SNC due to compliance schedule, CO or similar	11. =>	0
12.	Number of SIUs included in public notice	12. =>	0
13	Number of SIUs on a compliance schedule, CO or similar	13. =>	0
14.	Number of NOVs, NNCs or similar assesed to SIUs	14. =>	3
15.	Number of AOs assesed to SIUs	15. =>	0
16.	Number of Civil Penalties assessed to SIUs	16. =>	0
17.	Number of Criminal Penalties assessed to SIUs	17. =>	0
18.	Number of CIUs	18. =>	0
19.	Number of CIUs in SNC	19. =>	0
20.	Total Amount of Civil Penalties Collecte	20. =>	$ 0
21.	Number of IUs from which penalties collected	21. =>	0

Foot Notes:

AO	Administrative Order	IUP	Industrial User Pretreatment Permit	POTW	Publicly Owned Treatment Works
CIU	Categorical Industrial User	NNC	Notice of Non-Compliance	SIU	Significant Industrial User
CO	Consent Order	NOV	Notice of Violation	SNC	Significant Non-Compliance
IU	Industrial User	PAR	Pretreatment Annual Report		

Pretreatment Annual Report (PAR)
Significant Non-Compliance Report (SNCR)

PAR covers this calendar year => Jan. 2017 - Dec. 2017

Control Authority=Program=Town Name => City of Belmont

WWTP Name => Belmont WWTP

NPDES # => NC0021181

WWTP = Wastewater Treatment Plant, use separate form for each WWTP.

SIU = Significant Industrial User

SNC = Significant Non-Compliance

A SNCR Form must be submitted with every PAR, please write "*None*" if you had No SIUs in SNC during calendar year

IUP #	Pipe #	Industry Name	Parameter or "Reporting"	SNC ? (Yes / No) for each 6-month period.	
				Jan. - June	July - Dec.
0009	001	Spartan Dyers	None	NO	NO

Attach a copy of the Division's "SIUs in SNC Historical Report" for your POTW's SIUs behind this page .

Is the database correct ? Notify the Division of any errors ! Database indicates SNC history for previous years.

EVERY SNC MUST be explained in the Narrative, How was, is, or will it be resolved?

REPEAT SNCs are serious matters that MUST be explained in the Narrative.

Form name: PAR,SNCR,2001
Date Revised: 1/4/2001

SPARTAN DYERS

#0009

JANUARY 1, 2017 TO DECEMBER 31, 2017

Pretreatment Annual Report (PAR)
Industrial Data Summary Form (IDSF)
Use separate forms for each industry/pipe
Enter BDL values as < (value)

Control Authority,
Town Name => City of Belmont
WWTP Name => Belmont WWTP
NPDES # => NC0021181
1st 6 months, dates => Jan. 1, 2017 to June 31, 2017
2nd 6 months, dates => July 1, 2017 to Dec. 31, 2017

Industry
Name Spartan Dyers
IUP # 0009
Pipe # 001

	Flow, mgd		BOD		TSS		Ammonia	
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6	6	6	6	6
* Maximum (mg/l) =>	0.5279	1.062	31	81	94	92	0.79	0.39
* or Maximum (lb/d) =>								
* or _____ Average (mg/l) =>	0.2323	0.4273	24.33	37	76.83	61	0.36	0.19
* or Average Loading (lb/d) =>								
% violations,(chronic SNC is >= 66%) =>	0%	0%	0%	0%	0%	0%	N/A	N/A
% TRC violations, (SNC is >= 33 %) =>	0%	0%	0%	0%	0%	0%	N/A	N/A

	Arsenic		Cadmium		Chromium		COD	
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6	6	6	6	6
* Maximum (mg/l) =>	0.001	0.001	0.0003	0.0003	0.072	0.014	210	260
* or Maximum (lb/d) =>								
* or _____ Average (mg/l) =>	0.0008	0.001	0.0002	0.0003	0.0331	0.0058	180	193.33
* or Average Loading (lb/d) =>								
% violations, (chronic SNC is >= 66%) =>	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%
% TRC violations, (SNC is >= 33 %) =>	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%

	Copper		Cyanide		Lead		Mercury	
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6	6	6	2	2
* Maximum (mg/l) =>	0.093	0.19	0.005	0.005	0.001	0.001	0.00001	0.00002
* or Maximum (lb/d) =>								
* or _____ Average (mg/l) =>	0.072	0.116	0.005	0.005	0.001	0.001	0	0.00001
* or Average Loading (lb/d) =>								
% violations, (chronic SNC is >= 66%) =>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% TRC violations, (SNC is >= 33 %) =>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* POTW must enter at least one of these four rows, Please indicate how averages were calculated
Avg period could be month, Qtr, or 6-month & if BDL , 1/2BDL, or zero values used.

BDL => Below Detection Limit
IUP => Industrial User Permit
SNC => Significant Non-Compliance
TRC => Technical Review Criteria

mg/l => milligrams per liter
lb/d => pounds per day
mgd => million gallons per day
WWTP => wastewater treatment plant

Pretreatment Annual Report (PAR)
Industrial Data Summary Form (IDSF)
Use separate forms for each industry/pipe

Industry Name Spartan Dyers
IUP # 0009
Pipe # 001

	Molyvdenum		Nickel		Selenium		Silver	
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6	6	6	6	6
* Maximum (mg/l) =>	0.005	0.005	0.003	0.042	0.0025	0.0025	0.0005	0.0025
* or Maximum (lb/d) =>								
* or _____ Average (mg/l) =>	0.005	0.005	0.003	0.009	0.0018	0.0025	0.0005	0.0008
* or Average Loading (lb/d) =>								
% violations, (chronic SNC is >= 66%) =>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
% TRC violations, (SNC is >= 33 %) =>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	Zinc		Oils and Grease		Chlorides		Total Phosphorus	
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6	6	6	6	6
* Maximum =>	0.33	0.25	7.8	6.8	960	890	2.6	2.4
* or Minimum =>								
* or _____ Average (mg/l) =>	0.19	0	3.07	3	735	743	2.25	2
* or Average Loading (lb/d) =>								
% violations, (chronic SNC is >= 66%) =>	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A
% TRC violations, (SNC is >= 33 %) =>	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A

	pH		Temperature					
	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months	1st 6 months	2nd 6 months
Total # of samples =>	6	6	6	6				
* Maximum (mg/l) =>	8.37	8.82	32.7	35.4				
* or Minimum =>	7.42	7.59	15.7	23.9				
* or _____ Average (mg/l) =>								
* or Average Loading (lb/d) =>								
% violations, (chronic SNC is >= 66%) =>								
% TRC violations, (SNC is >= 33 %) =>	NA		NA					

* POTW must enter at least one of these four rows, Please indicate how averages were calculated
Avg period could be month, Qtr, or 6-month & if BDL , 1/2BDL, or zero values used.

BDL => Below Detection Limit
IUP => Industrial User Permit
SNC => Significant Non-Compliance
TRC => Technical Review Criteria

mg/l => milligrams per liter
lb/d => pounds per day
mgd => million gallons per day
WWTP => wastewater treatment plant

City of Belmont
SIU Data Summary

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

Sample Location:	FLOW	BOD				TSS				AMMONIA			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
1/6/2017	0.0782		24	24	15.65		80	80	52.18	<	0.1	0.05	0.03
2/3/2017	0.0742		31	31	19.18		94	94	58.17		0.51	0.51	0.32
3/3/2017	0.0953		20	20	15.90		65	65	51.66	<	0.1	0.05	0.04
4/18/2017	0.5279		21	21	92.46		59	59	259.76		0.7	0.7	3.08
5/19/2017	0.1424		22	22	26.13		75	75	89.07		0.79	0.79	0.94
6/2/2017	0.4758		28	28	111.11		88	88	349.20	<	0.1	0.05	0.20
Column Averages =>	0.2323		Avg.	24.33	46.74		Avg.	76.83	143.34		Avg.	0.36	0.77
Maximum =>	0.5279		Max	31.00	111.11		Max	94.00	349.20		Max	0.79	3.08
Minimum =>	0.0742		Min	20.00	15.65		Min	59.00	51.66		Min	0.05	0.03
Permit Limit =>	**0.9000**		Permit limit	**300.00**			Permit limit	**250.00**			Permit limit		

City of Belmont
SIU Data Summary

Sample Location:	FLOW	ARSENIC				CADMIUM				CHROMIUM			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
1/6/2017	0.0782	<	0.001	0.0005	0.0003		0.00012	0.00012	0.0001	<	0.005	0.0025	0.0016
2/3/2017	0.0742	<	0.001	0.0005	0.0003	<	0.0001	0.00005	0.0000		0.042	0.042	0.0260
3/3/2017	0.0953	<	0.002	0.001	0.0008	<	0.0005	0.00025	0.0002		0.016	0.016	0.0127
4/18/2017	0.5279	<	0.002	0.001	0.0044	<	0.0005	0.00025	0.0011		0.072	0.072	0.3170
5/19/2017	0.1424	<	0.002	0.001	0.0012	<	0.0005	0.00025	0.0003		0.054	0.054	0.0641
6/2/2017	0.4758	<	0.002	0.001	0.0040	<	0.0005	0.00025	0.0010		0.012	0.012	0.0476
Column Averages =>	0.2323		Avg.	0.0008	0.0018		Avg.	0.0002	0.0004		Avg.	0.0331	0.0782
Maximum =>	0.5279		Max	0.0010	0.0044		Max	0.0003	0.0011		Max	0.0720	0.3170
Minimum =>	0.0742		Min	0.0005	0.0003		Min	0.0001	0.0000		Min	0.0025	0.0016
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

City of Belmont
SIU Data Summary

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

Sample Location:	FLOW	COPPER				CYANIDE				LEAD			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
1/6/2017	0.0782		0.085	0.085	0.0554	<	0.01	0.005	0.0033		0.0011	0.0011	0.0007
2/3/2017	0.0742		0.081	0.081	0.0501	<	0.01	0.005	0.0031	<	0.001	0.0005	0.0003
3/3/2017	0.0953		0.042	0.042	0.0334	<	0.01	0.005	0.0040	<	0.001	0.0005	0.0004
4/18/2017	0.5279		0.056	0.056	0.2466	<	0.01	0.005	0.0220	<	0.001	0.0005	0.0022
5/19/2017	0.1424		0.093	0.093	0.1104	<	0.01	0.005	0.0059	<	0.001	0.0005	0.0006
6/2/2017	0.4758		0.075	0.075	0.2976	<	0.01	0.005	0.0198	<	0.001	0.0005	0.0020
Column Averages =>	0.2323		Avg.	0.072	0.132		Avg.	0.0050	0.0097		Avg.	0.001	0.001
Maximum =>	0.5279		Max	0.093	0.298		Max	0.0050	0.0220		Max	0.001	0.002
Minimum =>	0.0742		Min	0.042	0.033		Min	0.0050	0.0031		Min	0.001	0.000
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/L columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

Sample Location:	FLOW	MERCURY				MOLYBDENUM				NICKEL			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
1/6/2017	0.0782					<	0.01	0.005	0.0033	<	0.005	0.0025	0.0016
2/3/2017	0.0742		0.000007	0.000007	0.00000	<	0.01	0.005	0.0031	<	0.005	0.0025	0.0015
3/3/2017	0.0953					<	0.01	0.005	0.0040	<	0.005	0.0025	0.0020
4/18/2017	0.5279					<	0.01	0.005	0.0220	<	0.005	0.0025	0.0110
5/19/2017	0.1424	<	0.000005	0.0000025	0.00000	<	0.01	0.005	0.0059	<	0.005	0.0025	0.0030
6/2/2017	0.4758					<	0.01	0.005	0.0198	<	0.005	0.0025	0.0099
Column Averages =>	0.2323		Avg.	0.00000	0.00000		Avg.	0.005	0.010		Avg.	0.003	0.005
Maximum =>	0.5279		Max	0.00001	0.00000		Max	0.005	0.022		Max	0.003	0.011
Minimum =>	0.0742		Min	0.00000	0.00000		Min	0.005	0.003		Min	0.003	0.002
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Sample Location:		FLOW	SELENIUM				SILVER				ZINC			
SPARTAN DYERS (#0009)					Used in	Calculated			Used in	Calculated			Used in	Calculated
		mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
1/6/2017		0.0782	<	0.001	0.0005	0.0003	<	0.001	0.0005	0.0003		0.18	0.18	0.1174
2/3/2017		0.0742	<	0.001	0.0005	0.0003	<	0.001	0.0005	0.0003		0.33	0.33	0.2042
3/3/2017		0.0953	<	0.005	0.0025	0.0020	<	0.001	0.0005	0.0004		0.13	0.13	0.1033
4/18/2017		0.5279	<	0.005	0.0025	0.0110	<	0.001	0.0005	0.0022		0.22	0.22	0.9686
5/19/2017		0.1424	<	0.005	0.0025	0.0030	<	0.001	0.0005	0.0006		0.12	0.12	0.1425
6/2/2017		0.4758	<	0.005	0.0025	0.0099	<	0.001	0.0005	0.0020		0.14	0.14	0.5555
Column Averages =>		0.2323		Avg.	0.0018	0.0044		Avg.	0.0005	0.0010		Avg.	0.19	0.35
Maximum =>		0.5279		Max	0.0025	0.0110		Max	0.0005	0.0022		Max	0.33	0.97
Minimum =>		0.0742		Min	0.0005	0.0003		Min	0.0005	0.0003		Min	0.12	0.10
Permit Limit =>		**0.9000**		Permit limit				Permit limit				Permit limit		

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

City of Belmont
SIU Data Summary

Sample Location:		FLOW	OIL & GREASE				Chlorides				Total Phosphorus			
SPARTAN DYERS (#0009)		mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day
1/6/2017	Spreadsheet Instructions: 1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2". 2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/L columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.	0.0782	<	4	2	1.3044		600	600	391.3128		2.2	2.2	1.4348
2/3/2017		0.0742	<	4.1	2.05	1.2686		960	960	594.0749		2.6	2.6	1.6090
3/3/2017		0.0953	<	4.1	2.05	1.6293		710	710	564.3094		2.2	2.2	1.7486
4/18/2017		0.5279		7.8	7.8	34.3410		600	600	2641.6116		2.1	2.1	9.2456
5/19/2017		0.1424	<	4.5	2.25	2.6721		910	910	1080.7306		2.4	2.4	2.8503
6/2/2017		0.4758	<	4.5	2.25	8.9284		630	630	2499.9484		2	2	7.9363
Column Averages =>		0.2323		Avg.	3.07	8.36		Avg.	735.00	1295.33		Avg.	2.25	4.14
Maximum =>		0.5279		Max	7.80	34.34		Max	960.00	2641.61		Max	2.60	9.25
Minimum =>		0.0742		Min	2.00	1.27		Min	600.00	391.31		Min	2.00	1.43
Permit Limit =>		0.9000		Permit limit	50			Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Sample Location:		FLOW	COD				pH				Temperature			
SPARTAN DYERS (#0009)					Used in	Calculated								
		mgd	<	mg/L	Calculation	lbs/day	<				<	°C		
1/6/2017		0.0782		200	200	130.4376		8.09	8.09	5.2762		15.7	15.7	10.2394
2/3/2017		0.0742		120	120	74.2594		8.37	8.37	5.1796		18.1	18.1	11.2008
3/3/2017		0.0953		170	170	135.1163		8.18	8.18	6.5015		17	17	13.5116
4/18/2017		0.5279		210	210	924.5641		7.42	7.42	32.6679		28.2	28.2	124.1557
5/19/2017		0.1424		200	200	237.5232		8.3	8.3	9.8572		29.4	29.4	34.9159
6/2/2017		0.4758		180	180	714.2710		7.93	7.93	31.4676		32.7	32.7	129.7592
Column Averages =>		0.2323		Avg.	180.00	369.36		Avg.	8.05			Avg.	23.52	
Maximum =>		0.5279		Max	210.00	924.56		Max	8.37			Max	32.70	
Minimum =>		0.0742		Min	120.00	74.26		Min	7.42			Min	15.70	
Permit Limit =>		0.9000		Permit limit	500			Permit limit	11.0			Permit limit	40 °C	

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

City of Belmont
SIU Data Summary

Sample Location: SPARTAN DYERS (#0009)

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

	FLOW	BOD				TSS				AMMONIA			
	mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day
7/21/2017	0.0542		81	81	36.61		14	14	6.33		0.2	0.2	0.09
8/29/2017	0.3057		14.0	14	35.69		79	79	201.41		0.39	0.39	0.99
9/6/2017	1.0620		19	19	168.28		70	70	620.00	<	0.1	0.05	0.44
10/13/2017	0.1270		16	16	16.95		34	34	36.01	<	0.1	0.05	0.05
11/21/2017	0.4810		44	44	176.51		92	92	369.06		0.13	0.13	0.52
12/5/2017	0.5340		48	48	213.77		74	74	329.56		0.34	0.34	1.51
Column Averages =>	0.4273		Avg.	37.00	107.97		Avg.	60.50	260.40		Avg.	0.19	0.60
Maximum =>	1.0620		Max	81.00	213.77		Max	92.00	620.00		Max	0.39	1.51
Minimum =>	0.1270		Min	14.00	16.95		Min	14.00	6.33		Min	0.05	0.05
Permit Limit =>	**0.9000**		Permit limit	**300**			Permit limit	**250**			Permit limit		

City of Belmont
SIU Data Summary

Sample Location: SPARTAN DYERS (#0009)

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

	FLOW	ARSENIC				CADMIUM				CHROMIUM			
	mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day
7/21/2017	0.0542	<	0.002	0.001	0.0005	<	0.0005	0.00025	0.0001	<	0.005	0.0025	0.0011
8/29/2017	0.3057	<	0.002	0.001	0.0025	<	0.0005	0.00025	0.0006		0.014	0.014	0.0357
9/6/2017	1.0620	<	0.002	0.001	0.0089	<	0.0005	0.00025	0.0022		0.0085	0.0085	0.0753
10/13/2017	0.1270	<	0.002	0.001	0.0011	<	0.0005	0.00025	0.0003	<	0.005	0.0025	0.0026
11/21/2017	0.4810	<	0.002	0.001	0.0040	<	0.0005	0.00025	0.0010		0.005	0.005	0.0201
12/5/2017	0.5340	<	0.002	0.001	0.0045	<	0.0005	0.00025	0.0011	<	0.005	0.0025	0.0111
Column Averages =>	0.4273		Avg.	0.0010	0.0036		Avg.	0.0003	0.0009		Avg.	0.0058	0.0243
Maximum =>	1.0620		Max	0.0010	0.0089		Max	0.0003	0.0022		Max	0.0140	0.0753
Minimum =>	0.1270		Min	0.0010	0.0005		Min	0.0003	0.0001		Min	0.0025	0.0026
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

Sample Location:	FLOW	COPPER				CYANIDE				LEAD			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
7/21/2017	0.0542		0.11	0.11	0.0497	<	0.01	0.005	0.0023	<	0.001	0.0005	0.0002
8/29/2017	0.3057		0.17	0.17	0.4334	<	0.01	0.005	0.0127	<	0.001	0.0005	0.0013
9/6/2017	1.0620		0.19	0.19	1.6828	<	0.01	0.005	0.0443	<	0.001	0.0005	0.0044
10/13/2017	0.1270		0.063	0.063	0.0667	<	0.01	0.005	0.0053	<	0.001	0.0005	0.0005
11/21/2017	0.4810		0.14	0.14	0.5616	<	0.01	0.005	0.0201	<	0.001	0.0005	0.0020
12/5/2017	0.5340		0.021	0.021	0.0935	<	0.01	0.005	0.0223	<	0.001	0.0005	0.0022
Column Averages =>	0.4273		Avg.	0.116	0.481		Avg.	0.0050	0.0178		Avg.	0.001	0.002
Maximum =>	1.0620		Max	0.190	1.683		Max	0.0050	0.0443		Max	0.001	0.004
Minimum =>	0.1270		Min	0.021	0.067		Min	0.0050	0.0053		Min	0.001	0.001
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Sample Location: SPARTAN DYERS (#0009)

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

	FLOW	MERCURY				MOLYBDENUM				NICKEL			
	mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day
7/21/2017	0.0542					<	0.01	0.005	0.0023	<	0.005	0.0025	0.0011
8/29/2017	0.3057	<	0.00002	0.00001	0.00003	<	0.01	0.005	0.0127	<	0.005	0.0025	0.0064
9/6/2017	1.0620					<	0.01	0.005	0.0443	<	0.005	0.0025	0.0221
10/13/2017	0.1270					<	0.01	0.005	0.0053	<	0.005	0.0025	0.0026
11/21/2017	0.4810		0.000015	0.000015	0.00006	<	0.01	0.005	0.0201		0.042	0.042	0.1685
12/5/2017	0.5340					<	0.01	0.005	0.0223	<	0.005	0.0025	0.0111
Column Averages =>	0.4273		Avg.	0.00001	0.00004		Avg.	0.005	0.018		Avg.	0.009	0.035
Maximum =>	1.0620		Max	0.00002	0.00006		Max	0.005	0.044		Max	0.042	0.168
Minimum =>	0.1270		Min	0.00001	0.00003		Min	0.005	0.005		Min	0.003	0.003
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

Sample Location:	FLOW	SELENIUM				SILVER				ZINC			
SPARTAN DYERS (#0009)				Used in	Calculated			Used in	Calculated			Used in	Calculated
	mgd	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day	<	mg/L	Calculation	lbs/day
7/21/2017	0.0542	<	0.005	0.0025	0.0011	<	0.001	0.0005	0.0002		0.2	0.2	0.0904
8/29/2017	0.3057	<	0.005	0.0025	0.0064	<	0.001	0.0005	0.0013		0.25	0.25	0.6374
9/6/2017	1.0620	<	0.005	0.0025	0.0221	<	0.001	0.0005	0.0044		0.13	0.13	1.1514
10/13/2017	0.1270	<	0.005	0.0025	0.0026	<	0.001	0.0005	0.0005		0.12	0.12	0.1271
11/21/2017	0.4810	<	0.005	0.0025	0.0100	<	0.005	0.0025	0.0100		0.16	0.16	0.6418
12/5/2017	0.5340	<	0.005	0.0025	0.0111	<	0.001	0.0005	0.0022		0.045	0.045	0.2004
Column Averages =>	0.4273		Avg.	0.0025	0.0089		Avg.	0.0008	0.0031		Avg.	0.15	0.47
Maximum =>	1.0620		Max	0.0025	0.0221		Max	0.0025	0.0100		Max	0.25	1.15
Minimum =>	0.1270		Min	0.0025	0.0026		Min	0.0005	0.0005		Min	0.05	0.13
Permit Limit =>	**0.9000**		Permit limit				Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Sample Location: SPARTAN DYERS (#0009)

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

	FLOW	OIL & GREASE				Chlorides			Total Phosphorus			
	mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day	<	mg/L	Used in Calculation	Calculated lbs/day
7/21/2017	0.0542		6.8	6.8	3.0738		890	890	402.3049		1.7	1.7	0.7684
8/29/2017	0.3057	<	4.2	2.1	5.3540		710	710	1810.1720		1.6	1.6	4.0793
9/6/2017	1.0620	<	4.6	2.3	20.3713		680	680	6022.8144		1.4	1.4	12.3999
10/13/2017	0.1270	<	4.3	2.15	2.2772		560	560	593.1408		2.1	2.1	2.2243
11/21/2017	0.4810	<	4.4	2.2	8.8254		780	780	3129.0012		2.1	2.1	8.4242
12/5/2017	0.5340	<	4.3	2.15	9.5752		840	840	3740.9904		2.4	2.4	10.6885
Column Averages =>	0.4273		Avg.	2.95	8.25		Avg.	743.33	2616.40		Avg.	1.88	6.43
Maximum =>	1.0620		Max	6.80	20.37		Max	890.00	6022.81		Max	2.40	12.40
Minimum =>	0.1270		Min	2.10	2.28		Min	560.00	593.14		Min	1.40	2.22
Permit Limit =>	0.9000		Permit limit	50			Permit limit				Permit limit		

City of Belmont
SIU Data Summary

Sample Location: SPARTAN DYERS (#0009)

Spreadsheet Instructions:
1) Data entered only in Heavy Bordered cells. Rest of worksheet is protected, password is "2".

2) For below detection data, enter "<" in "<" column, and enter detection level in Influent or Effluent mg/l columns. Spreadsheet will auto-matically calculate averages and removal rates using 1/2 value entered.

	FLOW	COD				pH				Temperature			
	mgd	<	mg/L	Used in Calculation	Calculated lbs/day	<				<	°C		
7/21/2017	0.0542		260	260	117.5273		8.82	8.82	3.9869		35.4	35.4	16.0018
8/29/2017	0.3057		180	180	458.9168		7.59	7.59	19.3510		30.2	30.2	76.9960
9/6/2017	1.0620		170	170	1505.7036		8.22	8.22	72.8052		28.3	28.3	250.6554
10/13/2017	0.1270		130	130	137.6934		7.62	7.62	8.0710		27.1	27.1	28.7038
11/21/2017	0.4810		200	200	802.3080		8.37	8.37	33.5766		23.9	23.9	95.8758
12/5/2017	0.5340		220	220	979.7832		7.98	7.98	35.5394		25.5	25.5	113.5658
Column Averages =>	0.4273		Avg.	193.33	666.99		Avg.	8.10	28.89		Avg.	28.40	96.97
Maximum =>	1.0620		Max	260.00	1505.70		Max	8.82	72.81		Max	35.40	250.66
Minimum =>	0.1270		Min	130.00	137.69		Min	7.59	8.07		Min	23.90	28.70
Permit Limit =>	0.9000		Permit limit	500			Permit limit	11.0			Permit limit	40 °C	

Workbook Name : Spartan Dyers Allocation Table.xls, Worksheet Name: AT

Spreadsheet Instructions:
1) Applicable Values should be entered in the Heavy Bordered cells. Rest of worksheet is protected, password is "2".
2) Formulas are discussed in the Comprehensive Guidance, Chapter 6, Section C.
3) HWA and AT worksheets in this workbook are linked. Pollutant Names, MAHLs, Basis, and Uncontrollable load in this AT worksheet are automatically entered from the HWA spreadsheet. This includes pollutant names in columns AT through BK.

Allocation Table

POTW=> **Belmont WWTP**

NPDES#=> NC 0021181

Headworks last approved: 8/24/16
Allocation Table updated: 11/8/16
Permits last modified: 11/8/16

IUP Count	INDUSTRY NAMES (please list alphabeticly)	Industry Permit/Pipe number	Type of Industry	Original Effective Date	Modification Effective Date	Date Permit Expires	FLOW Permit Limits MGD	FLOW Permit Limits gal/day	BOD Permit Limits Conc. mg/l	BOD Permit Limits Load lbs/day	TSS Permit Limits Conc. mg/l	TSS Permit Limits Load lbs/day	Ammonia Permit Limits Conc. mg/l	Ammonia Permit Limits Load lbs/day
1	Spartan Dyers	009/001	textile	11/5/2014	11/8/2016	11/4/2019	0.9000	900,000	300.00	2251.80	250.00	1876.50		monitor
2														
3														
4														
5														
6														
7														
8														
9														
10														
		Column Totals =>					0.9000	900,000		2251.80		1876.50		0.00

Basis=>					
MAHL from HWA (lbs/day) =>	NPDES Permitted Flow=>	5.0000	10425.00	10425.00	834.00
Uncontrollable Loading (lbs/day) =>		1.0938	1724.00	2769.00	141.79
Total Allowable for Industry (lbs/day) =>		3.9062	8701.00	7656.00	692.21
Total Permitted to Industry (lbs/day) =>		0.9000	2251.80	1876.50	0.00
Allowable loading left (lbs/day) =>		3.0062	6449.20	5779.50	692.21
Percent Allow. Ind. still available (%) =>		77.0 %	74.1 %	75.5 %	100.0 %
Percent MAHL still available (%) =>		60.1 %	61.9 %	55.4 %	83.0 %
5 Percent MAHL (lbs/day) =>		0.2500	521	521	41.70

Arsenic		Cadmium		Chromium		Copper		Cyanide		Lead		Mercury		Molybdenum		Nickel	
Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits	
Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day
	monitor		monitor		monitor		monitor		monitor		monitor		monitor		monitor		monitor
	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.00000		0.0000		0.0000
	0.1617		0.1231		4.3703		5.3243		1.1092		1.3357		0.01569		0.2205		0.9700
	0.0038		0.0019		0.0374		0.4886		0.0460		0.0134		0.00249		0.0335		0.0220
	0.1579		0.1212		4.3329		4.8357		1.0632		1.3223		0.01320		0.1870		0.9480
	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.00000		0.0000		0.0000
	0.1579		0.1212		4.3329		4.8357		1.0632		1.3223		0.01320		0.1870		0.9480
	100.0 %		100.0 %		100.0 %		100.0 %		100.0 %		100.0 %		100.0 %		100.0 %		100.0 %
	97.6 %		98.5 %		99.1 %		90.8 %		95.9 %		99.0 %		84.1 %		84.8 %		97.7 %
	0.01		0.0062		0.2185		0.2662		0.0555		0.0668		0.00078		0.0110		0.0485

Selenium		Silver		Zinc		Oil & Grease		Chlorides		Total Phosphorus		COD		e		f	
Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits		Permit Limits	
Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day	Conc. mg/l	Load lbs/day
	monito		monitor		monitor	50.0000	375.3000		monitor		monitor	500.0000	3753.0000				
	0.0000		0.0000		0.0000		375.3000		0.0000		0.0000		3753.0000				
	0.1940		2.7731		11.0922												
	0.0000		0.0000		2.8693		479.0079										
	0.1940		2.7731		8.2229												
	0.0000		0.0000		0.0000		375.30		0.0000		0.0000		3753.0000				
	0.1940		2.7731		8.2229												
	100.0 %		100.0 %		100.0 %		HWA?		HWA?		HWA?		HWA?				
	100.0 %		100.0 %		74.1 %		HWA?		HWA?		HWA?		HWA?				
	0.0097		0.14		0.55												

POTW Name : City of Belmont WWTP **Sample Location : INFLUENT**

NPDES Permit : # NC0021181

YEAR 2017 Readings in mg/l

Date	Flow	Ras/ Flow	Zn	Cu	Cd	Cr	Hg	Ni	Pb	Cn	Ag	TKN	Mo	Se	As	T-N	T-P	BOD	TSS	NH3
Jan.	2.372	1.265	0.12	0.019	<.0001	<.005	0.00011	<.005	0.0018	<.01	<.001	19	<.010	<.001	<.001	19.345	2.5	119.4	142.7	11.425
Feb.	1.744	1.371					<.0001					27.5				27.81	4.45	225.65	192.5	14.75
March	1.816	1.363					<.0001					26				26.1395	3.05	185.565	148.6087	15.5
April	1.839	1.229	0.23	0.046	<.0005	<.005	<.0001	<.005	0.0023	<.01	<0.004	19.5	<.010	<.005	<.002	19.599	3.15	178.42	158.421	10.95
May	1.756	1.208					<.0001					29				29.128	3	163.636	203.59	13.08
June	1.812	1.213					<.0001					17.5				26.075	2.95	124.136	147.181	11.25
July	1.531	1.205	0.14	0.02	<.0005	<.005	<.0001	<.005	0.0013	<.01	<.001	24	<.01	<.005	<.002	24.216	3.3	155.15	160.85	14.75
August	1.751	1.113					0.00011					26				26.355	3.5	137.95	163.82	12.98
Sept.	0.675	1.118					<.0001					30				30.149	3.95	129.55	172	17.25
Oct.	0.494	1.093	0.13	0.067	<.0005	0.0061	<.0001	<.005	0.0017	<.01	<.001	20	<.010	<.005	<.002	19.71	2.7	139.81	161.36	11.14
Nov.	0.54	1.137					<.0001					34.5				34.573	4.6	176.31	180.57	17.5
Dec.	0.477	1.184					<.0001					20				31.63	3.9	195.8	185.3	20.275
Total	16.807	14.4990	0.62	0.152	<.0005	0.0061	0.00022	<.005	0.0071	<.01	<.001	292.5	<.010	<.001	<.001	314.73	41.05	1931.38	2016.901	170.85
Values	12	12	4	4	4	4	12	4	4	4	4	12	4	4	4	12	12	12	12	12
Avg.	1.4006	1.2083	0.155	0.038	0.0000675	0.0061	0.000045	<.005	0.001775	<.01	<.001	24.375	<.010	<.001	<.001	26.2275	3.4208	160.948	168.075	14.2375
Max	2.372	1.3710	0.23	0.067	<.0005	<.005	0.00011	<.005	0.0023	<.01	<0.004	34.5	<.010	<.005	<.002	34.573	4.6	225.65	203.59	20.275
Min	0.477	1.0930	0.12	0.019	<.0001	<.005	<.0001	<.005	0.0013	<.01	<.001	17.5	<.010	<.001	<.001	19.345	2.5	119.4	142.7	10.95

Any Data Below the (**PQL**) **Pratical Quantitation Limit** will be marked as (**<**) the reported limit.

See PQL sheet for limits.

Note - Automatic barscreen was out of service from Sept. - Dec. 2017. Being in manual affected influent flow.

POTW Name : City of Belmont WWTP **Sample Location : EFFLUENT**

NPDES Permit : # NC0021181

YEAR 2017 Readings in mg/l **EXCEPT Hg in ng/l**

Date	Flow		Zn	Cu	Cd	Cr	Hg	Ni	Pb	Cn	Ag	TKN	Mo	Se	As	T-N	T-P	BOD	TSS	NH3
Jan	2.4417		0.084	0.011	<.0001	<.005	18.67	<.005	<.001	0.012	<.001	2.095	<.010	<.001	<.001	13.67	1.67	6.575	24.705	0.5205
Feb	2.075											1.50				17	2.225	6.285	21.1	0.041
March	2.0632											0.425				14.675	2.425	5.17391	9.626	0.7178
April	2.111		0.11	0.011	<.0005	<.005	1.855	<.005	<.001	<0.034	<.001	0.825	<.010	<.001	<.005	14.825	2.325	4.28947	6.026	0.2947
May	1.8474											<.5				16.2	1.004	3.1318	6.568	0.06727
June	1.7159											<.5				16.75	1.875	3.25	5.345	1.449
July	1.415		0.037	0.008	<.0005	<.005	1.13	<.005	<.001	<.01	<.001	<.5	<.010	<.005	<.002	20	2.15	5.255	7.125	0.1265
August	1.669											0.6				15.52	1.648	3.486	5.352	0.1352
Sept.	1.743											<.5				16.25	1.725	2.38	7.57	0.164

Oct.	1.738		0.073	0.029	<.0005	<.005	2.7	<.005	<.001	0.01	<.001	0.134	<.010	<.005	<.001	16.734	2.42	1.763	7.55	0.098
Nov.	1.45											0.182				19.43	2.55	1.773	4.42	0.0194
Dec.	1.307											<.5				20.5	2.68	1.4	3.8	0.114
Total	21.576		0.304	0.059	<.0001	<.005	24.355	<.005	<.001	0.056	<.001	5.761	<.010	<.001	<.001	201.554	24.697	44.7622	109.187	3.74737
Values	12		4	4	4	4	4	4	4	4	4	12	4	4	4	12	12	12	12	12
Avg.	1.798		0.076	0.01475	<.0001	<.005	6.08875	<.005	<.001	0.0035	<.001	0.823	<.010	<.001	<.001	16.7962	2.0581	3.73018	9.098917	0.31228
Max	2.4417		0.11	0.029	<.0005	<.005	18.67	<.005	<.001	0.034	<.001	2.095	<.010	<.005	<.005	20.5	2.68	6.575	24.705	1.449
Min	1.307		0.037	0.008	<.0001	<.005	1.13	<.005	<.001	<.01	<.001	<.5	<.010	<.001	<.001	13.67	1.004	1.4	3.8	0.0194

Any Data Below the (**PQL**) **Pratical Quantitation Limit** will be marked as (**<**) the reported limit.
See PQL sheet for limits.

POTW Name : City of Belmont WWTP **Sample Location : WEST AERATION BASIN**
NPDES Permit : # NC0021181
YEAR 2017 Readings in mg/l

Date	**Flow**		**Zn**	**Cu**	**Cd**	**Cr**	**Hg**	**Ni**	**Pb**	**Cn**	**Ag**	**TKN**	**Mo**	**Se**	**As**	**T-N**	**T-P**	**NH3**
Jan.	3.637		1.4	0.27	0.00091	0.044	0.00063	0.011	0.018	<.01	0.003	84.5	<.0010	<.028	<0.003	92.5	11	0.365
Feb.	3.115						0.0025					235				246	41.5	0.855
March	3.179						0.00012					123				137	13.9	1.45
April	3.068		0.26	0.049	<.0005	0.0094	<.0001	<.005	0.003	<.01	<.001	170	<.010	<.005	<.002	177.06	25.8	0.5
May	2.964						0.00092					113.5				129.5	25.5	0.4
June	3.025						0.0039					205				216	61	0.98
July	2.69		4.6	0.91	0.0029	0.27	0.0029	0.038	0.072	0.014	0.009	180	<.050	<.025	0.011	198	42.5	0.395
August	2.865						0.0026					140				150.45	30	0.765
Sept.	1.793						0.0018					175				190	37.5	0.59
Oct.	1.587		4.8	1.1	0.0024	0.16	0.0018	0.031	0.062	<.01	0.0066	205.0	<.010	<.005	0.0091	219	5.95	0.57
Nov.	1.677						0.0054					230				252.5	65.5	0.595
Dec.	1.661						0.003					290				306.5	58.5	0.82
Total	31.261		11.06	2.329	0.00621	0.4834	0.02557	0.08	0.155	<.010	0.0186	2151	<0.071	<.063	0.0233	2314.51	418.65	8.285
Values	12		4	4	4	4	12	4	4	4	4	12	4	4	4	12	12	12
Avg.	2.6051		2.765	0.58225	0.00207	0.1209	0.002325	0.02425	0.03875	<.010	0.00305	179.25	<.02	<.015	0.003	192.876	34.888	0.69042
Max	3.637		4.8	1.1	0.0029	0.27	0.0054	0.038	0.072	<.010	0.009	290	<.05	<.028	0.011	306.5	65.5	1.45
Min	1.587		0.26	0.049	0.00091	0.0094	0.00012	<.005	0.003	<.010	<.001	84.5	<.001	<.005	<.001	92.5	5.95	0.365

Pretreatment Program Info Database

printed on: 12/18/2017

for Program Name **Belmont**
WWTP Name City of Belmont
Program Approval Date 10/21/1983
Pretreatment Status Full
Region MRO
County Gaston
NPDES Number NC0021181
NPDES Effective Date 02/01/2006
NPDES Expire Date 06/30/2010
POTW is Primary WWTP TRUE
Design Flow mgd 5.0000

Stream Information

IWC % at 7Q10	7.53	
7Q10 Flow cfs / mgd	95	/ 61.37
1Q10 Flow cfs / mgd	77.57	/ 50.14
Stream Classification	WS-IV & B-CA	
Basin Number	CTB34	
Receiving Stream Name	CATAWBA RIVER	

Last PAR Rec 02/23/2017 PAR Due Date 03/01/2018
Current Fiscal Year PCI Done 03/09/2017
Last Audit on 05/17/2016 Audit Year Next 20/21
mercury 1631 required: yes
% Design mgd is SIU permitted 18.00
Permitted SIU flow (mgd) [Pt_SIU] .9

WWTP SIU's 1 Program SIUs 1
WWTP CIU's 0 Program CIUs 0

date Inactive

	HWA	LTMP	IWS	SUO	ERP
Date Next Due	05/01/2021		08/01/2020		
Date Received by DWR	05/10/2016	06/02/2016	07/24/2015	05/20/2013	11/30/2007
Date Approved	08/24/2016	07/22/2016	12/04/2015	05/28/2013	01/10/2008
Adopt Date Required					
Date Adopted				05/06/2013	

Info in this Box from Pt_Contacts

Formal Name	PT_Prog.Prime	Phone1	ext	Fax	Date Attended HWA Wksp	Date Attended IUP Wksp	Date Attended PAR Wksp	
Ms. Sandra Craft		(704) 825-3791		(704) 825-0514	2/24/2011			
scraft@cityofbelmont.org			WWTP ORC			PO Box 431		28012
Mr. Daniel Perry	Prim	(704) 901-2086		(704) 825-6505				
dperry@cityofbelmont.org			Pretreatment Coordinator			PO Box 431		28012
Jenaro Jackson		704-825-3791					1/21/2015	
jjackson@cityofbelmont.org								

Pretreatment Related NOVs from DWQ

8/15/2006	(audit) enforcement, ltmp
5/1/2013	NOD-Failed to take enforcement per ERP
12/4/2014	NOV-2014-PC-0267, Failure to issue IUP upon
06/08/2016	NOD-2016-PC-0239. Failure to enforce, sample per

DWR Central Office Contact Vivien Zhong
DWR Regional Contact Wes Bell

no historical SNC