

EXHIBIT 4

2014 CHAPTER 94 REPORT - NAWC WTP

- **TABLE 1 HYDRAULIC LOADING**
- **TABLE 2 ORGANIC LOADING**
- **TABLE 4 FIVE-YEAR FLOW PROJECTION OF WASTEWATER FLOWS**

TABLE 1						
HYDRAULIC LOADING (IN MGD) TO WARMINSTER NATC WASTEWATER TREATMENT PLANT						RAINFALL (INCHES)
MONTH	2010	2011	2012	2013	2014	2014
January	0.157	0.259	0.205	0.172	0.108	2.46
February	0.155	0.372	0.221	0.194	0.121	2.40
March	0.191	0.309	0.238	0.077	0.110	3.63
April	0.162	0.311	0.232	0.095	0.121	4.96
May	0.196	0.319	0.282	0.102	0.124	4.31
June	0.173	0.199	0.230	0.139	0.119	3.51
July	0.180	0.263	0.254	0.116	0.131	3.00
August	0.173	0.317	0.245	0.115	0.112	2.50
September	0.171	0.218	0.277	0.103	0.112	1.68
October	0.167	0.240	0.235	0.097	0.103	4.11
November	0.166	0.237	0.243	0.093	0.101	4.14
December	0.167	0.258	0.231	0.105	0.116	3.83
Annual Average (in mgd)	3-Month High (mgd)		Ratio 3-Month High/ Annual Avg.			2014 Rain Total (Inches)
2010: 0.172	0.183		1.06			40.5
2011: 0.275	0.331		1.20			
2012: 0.241	0.259		1.08			
2013: 0.117	0.148		1.27			
2014: 0.115	0.125		1.07			
Plant Design Flow:		1.20 mgd				
NOTES:						
1. Historic Ratio of 3-month high to annual average is 1.14. This factor is used in determining 3-month high projection shown in Figure 1. Projected annual average value is multiplied by factor to arrive at 3-month high projection for each year.						

TABLE 2					
ORGANIC LOADING (IN POUNDS)					
TO					
WARMINSTER NATC WASTEWATER TREATMENT PLANT					
MONTH	2010	2011	2012	2013	2014
January	635	719	590	502	198
February	578	915	747	602	246
March	564	716	666	169	306
April	681	999	482	351	264
May	531	654	887	270	279
June	538	533	659	348	292
July	379	643	523	233	310
August	339	881	591	195	267
September	508	647	577	299	310
October	515	717	627	296	354
November	258	714	607	273	293
December	481	468	758	193	347
Annual Average (in thousand pounds per day)	Maximum Month		Ratio Max. Month/ Annual Avg.		
2010: 501	681		1.36		
2011: 717	999		1.39		
2012: 643	887		1.38		
2013: 311	602		1.94		
2014: 289	354		1.22		
Plant Rating: 3,002 pounds per day					

NOTE: Historic Ratio of maximum month to annual average is 1.46. This factor is used in determining maximum month projection shown in Figure 3. Projected annual average value is multiplied by factor to arrive at maximum month projection for each year.

**TABLE 4
FIVE-YEAR PROJECTION OF NEW WASTEWATER FLOWS
NATC WASTEWATER TREATMENT PLANT
PROPOSED FLOWS TO BE TREATED AT LOG COLLEGE WWTP STARTING IN 2015**

SOURCE	TOTAL ESTIMATED FLOW (GPD)	PROJECTED FLOWS BY YEAR				
		2015	2016	2017	2018	2019
General Infill	12,500	2,500	2,500	2,500	2,500	2,500
TOTALS	12,500	2,500	2,500	2,500	2,500	2,500
ACCUMULATED TOTALS	—	2,500	5,000	7,500	10,000	12,500
BASE FLOW PLUS ACCUMULATED TOTALS (MGD)		0.118	0.120	0.123	0.125	0.128
PROJECTED 3-MONTH HIGH FLOW (MGD)		0.135	0.137	0.140	0.143	0.146
PROJECTED AVG. LOADING - BOD (POUNDS)		295	301	307	313	319
PROJECTED MAX. MONTH LOADING (POUNDS)		431	439	448	457	466

NOTES:

- (1) Projected 3-month high for flows based on factor of 1.14 (See Table 1).
- (2) Projected max. month for loading based on factor of 1.46 (See Table 2).
- (3) Projected loading based on BOD concentration of 300 mg/l.
- (4) SPS No. 7 flows have been reversed to the NATC WWTP.
- (5) WWTP placed in operation in September 2005.
- (6) Annual average flow used as base flow is 0.115 mgd. (This is the 2014 base flow which represents flows exclusive of SPS No. 7, which was treated at the Log College WWTP in 2014.)
- (7) Annual average load used as base load is 289 lbs./day. (This is the 2014 Annual Average.)
- (8) There are no planned projects in this service area as of preparation of this report.