Taunton River Watershed CWA Permit Nutrient Limits and Compliance Schedules										5/1/2017
WWTF	**Design Q**	**TN Limit**	**TP Limit**	**Permit Sign.**	**Effective**	**Status Report**	**Complete**	**Status Rep.**	**Complete**	**Achieve**
	(MGD)	**lbs/d (mg/l)**	**mg/l**	**Date**	**Date**	**Planning and Des.**	**Design**	**Construction**	**Construction**	**TN + TP Limits**
Brockton	18	450 (3)*	0.101	1/11/2017	4/1/2017	Submit annual status reports - 4/1/2019, 2020, 2021				**4/1/2022**
Taunton	8.4	210 (3)	none	4/10/2015	7/1/2016 #	7/1/17+18	7/1/2019		Ph. I - 7**/1/2021**	**TN - 5 mg/l**
		Phase I - 5 mg/l monthly average; Phase II - 210 lbs/day 6 month (May - Oct.) rolling average limit							Ph. II - 7**/1/2026**	**TN 210 lbs/d**
Mansfield/Norton/Foxboro	3.14	131 (5)	0.17	9/11/2014	12/1/2014	12/1/2015	12/1/2016	12/1/16+17		**12/1/2019**
Middleborough	2.16	90 (5)	0.15	5/5/2014	8/1/2014		8/1/2015	8/1/16+17	8/1/2018	**2/1/2019**
Bridgewater TN	1.44	60 (5)		9/30/2016	5/1/2017	5/1/2019	11/1/2020		5/1/2022	**5/1/2022**
" T P			0.2	semi-annual prog. reports TN + TP due 4/15 & 10/15			11/1/2025		5/1/2027	**5/1/2027**
				each year.						
# Taunton lost its EAB TN limit appeal on 5/3/2016 and was denied a stay by the First Circuit. All permit conditions became effective on 7/1/2016.										
* Nominal concentrations (3, 3.7, 5, and 8 mg/L) were used to calculate mass (lbs/day) limit at design flow. The permits have a mass lbs/day TN limit										
only which at the projected 0.9% of design summer flow allow somewhat higher concentrations of 3.33 mg/L, 4.12mg/L, 5.55, and 8.89 mg/L. The										
mass lbs/day TN limits are seasonal rolling six month average limits, May 1 to October 31 except for Middleborough and MFN which are monthly ave.										
Un-reissued Major Permits**										
Somerset	4.2	130 (3.7)	none							
Fall River	30.9	2062 (8) ##	none	## An initial limit under consideration pending further Mount Hope Bay studies and monitoring.						
** Projected TN and TP limits are from the fact sheeets for the currently re-issued permits.										
Estuary TN Load based on plants discharging at 90% of flow limit during summer (5/1 - 10/31) and an attenuation factor from 83 to 96% for all										
plants except Taunton and Somerset which discharge directly to the estuary with no attenuation reduction.										
Smaller Facilities ***										
Remain at current limits no TN or TP limits or have eliminated direct discharge.										
Smaller Facilities Include - MCI Bridgewater 0.55 MGD (TN - 33 lb/d); Oak Point 0.18 MGD (8 lb/d); Wheaton College which has tied into MFN;										
Dighton-Rehobeth Schools and East Bridgewater H.S. which are now using groundwater discharge systems.										
Notes:										
EPA Gold Book Total Phosphorus freshwater instream criterion is 0.100 mg/L. No TP Limit for Taunton because TRWA sampling indicated instream TP levels										
up and downstream of WWTP in 2010 and 2011 were close to the criterion of 0.100 mg/L and tidal influence. 2016 and 2017 TP Ave. 0.100 mg/l up and 0.150 mg/l down.										
Fall River being lower in the estuary and having greater dilution has potentially less nitrogen loading impact than the upstream WWTPs despite its larger flow. The city										
is completing integrated planning to upgrade its space constrained and out dated WWTP, complete CSO abatement in the Northern part of the city, and add TN removal at										
8 mg/l with the flexibility to construct additional facilities to go lower if needed. Based on doing the most environmentally beneficial work first, a new schedule will										
be developed. Initial total cost estimates have ranged from 65 to 88 million dollars (10 million of which is related to TN control for the upgraded plant).										