

Taunton River Watershed CWA Permit Nutrient Limit Compliance Schedules										12/1/2016
WWTF	Design Q (MGD)	TN Limit lbs/d (mg/l)	TP Limit mg/l	Permit Sign. Date	Effective Date	Status Report Planning and Des.	Complete Design	Status Rep. Construction	Complete Construction	Achieve 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	N/A	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	N/A	12/1/2019
Middleborough	2.16	90 (5)	0.15	5/5/2014	8/1/2014	N/A	8/1/2015	8/1/16+17	8/1/2018	2/1/2019
Bridgewater	1.44	60 (5)	0.2	9/30/2016	12/1/2016	12/1/2017	12/1/2018	12/1/2020	6/1/2021	12/1/2021
# 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 averages.										
Un-reissued Major Permits**										
Somerset	4.2	130 (3.7)	none							
Fall River	30.9	2062 (8)	none							
** Projected TN and TP limits are from the fact sheets 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										
Smaller Facilities Include - MCI Bridgewater 0.55 MGD (TN - 33 lb/d); Dighton-Rehoboth Schools 0.01 MGD (1 lb/d); Wheaton College 0.12 MGD (3 lb/d); Oak Point 0.18 MGD (8 lb/d); and East Bridgewater H.S. 0.01 MGD (1 lb/d)										
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 less nitrogen loading impact than the upstream WWTPs despite its larger flow. The city is still abating CSOs in the Northern part of the city and completing integrated facilities planning which will include phased nitrogen removal based on doing the most environmentally beneficial work first. After completion of a facilities plan that considers all options a schedule for phased nitrogen removal concurrent with continued CSO abatement implementation may be included in a phased permit , enforcement compliance letter, or Administrative Order. An initial mass TN target based on 8 mg/l (2062 lbs/day limit) appears likely.										