

**EXHIBIT 8**

Long Island Sound 2001 TMDL Implementation - Summary of Massachusetts Total Nitrogen Annual Average Loading Limits

NPDES Permit Number	Facility Name	Type	Design Flow (mgd)	Limit Basis (mg/L) @ design flow	Annual Average Load Limit (lbs/day) <sup>1</sup>	Optimization Requirement?
<b>Connecticut River Watershed:</b>						
MA0101613	SPRINGFIELD REGIONAL WWTP	POTW	67		2591.4 <sup>2</sup>	Optimize
MA0101630	HOLYOKE WPCF	POTW	17.5	5	729.8	Optimize
MA0101508	CHICOPEE WPC	POTW	15.5	5	646.4	Optimize
MA0101818	NORTHAMPTON WWTP	POTW	8.6	8	573.8	Optimize
MA0100218	AMHERST WWTP	POTW	7.1	8	473.7	Optimize
MA0101800	WESTFIELD WWTP	POTW	6.1	8	407.0	Optimize
MA0101168	PALMER WPCF	POTW	5.6	8	373.6	Optimize
MA0100994	GARDNER WWTF	POTW	5	8	333.6	Optimize
MA0100455	SOUTH HADLEY WWTF	POTW	4.2	10	350.3	Optimize
MA0101478	EASTHAMPTON WWTP	POTW	3.8	10	316.9	Optimize
MA0101214	GREENFIELD WPCF	POTW	3.2	10	266.9	Optimize
MA0100340	TEMPLETON WWTF	POTW	2.8	10	233.5	Optimize
MA0101052	ERVING WWTP #2	POTW	2.7	10	225.2	Optimize
MA0100137	MONTAGUE WWTF	POTW	1.8	10	150.1	Optimize
MA0100005	ATHOL WWTF	POTW	1.75	10	146.0	Optimize
MA0101567	WARREN WWTP	POTW	1.5	10	125.1	Optimize
MA0100862	WINCHENDON WPCF	POTW	1.1	10	91.7	Optimize
MA0101257	ORANGE WWTP	POTW	1.1	10	91.7	Optimize
MA0100919	SPENCER WWTP	POTW	1.08	10	90.1	Optimize
MA0101516	ERVING WWTP #1	POTW	1.02	10	85.1	Optimize
MA0100889	WARE WWTP	POTW	1	10	83.4	Optimize
MA0102148	BELCHERTOWN WRF	POTW	1	10	83.4	Optimize
MAG580004	SOUTH DEERFIELD WWTP	POTW	0.85	NA <sup>3</sup>	NA	Optimize
MA0101061	NORTH BROOKFIELD WWTP	POTW	0.76	NA	NA	Optimize
MA0100099	HADLEY WWTP	POTW	0.54	NA	NA	Optimize
MA0101290	HATFIELD WWTF	POTW	0.5	NA	NA	Optimize
MAG580005	SUNDERLAND WWTF	POTW	0.5	NA	NA	Optimize
MA0032573	NORTHFIELD MIT HERMON SCHOOL WWTP	POTW	0.45	NA	NA	Optimize
MA0103152	BARRE WWTF	POTW	0.3	NA	NA	Optimize
MA0100200	NORTHFIELD WWTF	POTW	0.28	NA	NA	Optimize
MAG580001	OLD DEERFIELD WWTP	POTW	0.25	NA	NA	Optimize
MAG580002	SHELBURNE WWTF	POTW	0.25	NA	NA	Optimize
MA0100102	HARDWICK WPCF	POTW	0.23	NA	NA	Optimize
MA0101265	HUNTINGTON WWTP	POTW	0.2	NA	NA	Optimize
MA0102156	TEMPLETON DEVELOPMENT CENTER	POTW	0.05	NA	NA	NA
MAG580003	CHARLEMONT WWTF	POTW	0.05	NA	NA	NA
MA0100161	ROYALSTON WWTP	POTW	0.04	NA	NA	NA
MA0102431	HARDWICK WWTP	POTW	0.04	NA	NA	NA
MA0100188	MONROE WWTF	POTW	0.02	NA	NA	NA
MA0102776	ERVING WWTP #3	POTW	0.01	NA	NA	NA
MA0027871	MAPLES, THE	POTW	0.0023	NA	NA	NA
MA0110043	MCLAUGHLIN STATE TROUT HATCHERY	Industrial	7.5	NA	NA	Optimize
MA0110035	MCLAUGHLIN STATE FISH HATCHERY/SUNDERLAND	Industrial	2.1	NA	NA	Optimize

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MA0110051	MCLAUGHLIN STATE TROUT HATCHERY BITZER	Industrial	1.43	NA	NA	Optimize
MA0000469	SEAMAN PAPER OF MASSACHUSETTS	Industrial	1.1	NA	NA	Optimize
MA0003697	BARNHARDT MANUFACTURING	Industrial	0.89	NA	NA	Optimize
MA0040207	CHANG FARMS INC	Industrial	0.65	NA	NA	Optimize
MA0110264	AUSTRALIS AQUACULTURE, LLC	Industrial	0.3	NA	NA	Optimize
MA0001350	LS STARRETT PRECISION TOOLS	Industrial	0.025	NA	NA	NA
MA0000272	PAN AM RAILWAYS YARD	Industrial	0.015	NA	NA	NA
MA0001147	SOLUTIA CHEMICAL MANUFACTURING PLANT	Industrial	0.015	NA	NA	NA
<b>Housatonic River Watershed</b>						
MA0101681	PITTSFIELD WWTF	POTW	17	5	708.9	Optimize
MA0101524	GREAT BARRINGTON WWTF	POTW	3.2	10	266.9	Optimize
MA0000671	CRANE WWTP	POTW	3.1	10	258.5	Optimize
MA0100935	LENOX CENTER WWTF	POTW	1.19	10	99.2	Optimize
MA0100153	LEE WWTF	POTW	1.5	10	125.1	Optimize
MA0101087	STOCKBRIDGE WWTP	POTW	0.3	NA	NA	Optimize
MA0103110	WEST STOCKBRIDGE WWTF	POTW	0.076	NA	NA	NA
MA0001716	MEADWESTVACO CUSTOM PAPERS LAUREL MILL	Industrial	1.5	NA	NA	Optimize
MA0001848	ONYX SPECIALTY PAPERS INC - WILLOW MILL	Industrial	1.1	NA	NA	Optimize
MA0005011	PAPERLOGIC TURNERS FALLS MILL	Industrial	0.7	NA	NA	Optimize
<b>Thames River Watershed</b>						
MA0100439	WEBSTER WWTF	POTW	6	8	400.3	Optimize
MA0100901	SOUTHBRIDGE WWTF	POTW	3.77	10	314.4	Optimize
MA0100421	STURBRIDGE WPCF	POTW	0.75	NA	NA	Optimize
MA0100170	OXFORD ROCHDALE WWTP	POTW	0.5	NA	NA	Optimize
MA0101141	CHARLTON WWTF	POTW	0.45	NA	NA	Optimize
MA0101796	LEICESTER WATER SUPPLY WWTF	POTW	0.35	NA	NA	Optimize

Notes:

General: Permits for all facilities will include nitrogen monitoring.

<sup>1</sup> Rolling annual average total nitrogen (lb/day) will be calculated as the arithmetic mean of the monthly average total nitrogen (lb/day) for the reporting month and the monthly average total nitrogen of the previous eleven months.

<sup>2</sup> See August 17, 2018 Springfield Draft Permit for explanation of effluent derivation

<sup>3</sup> NA = Not Applicable