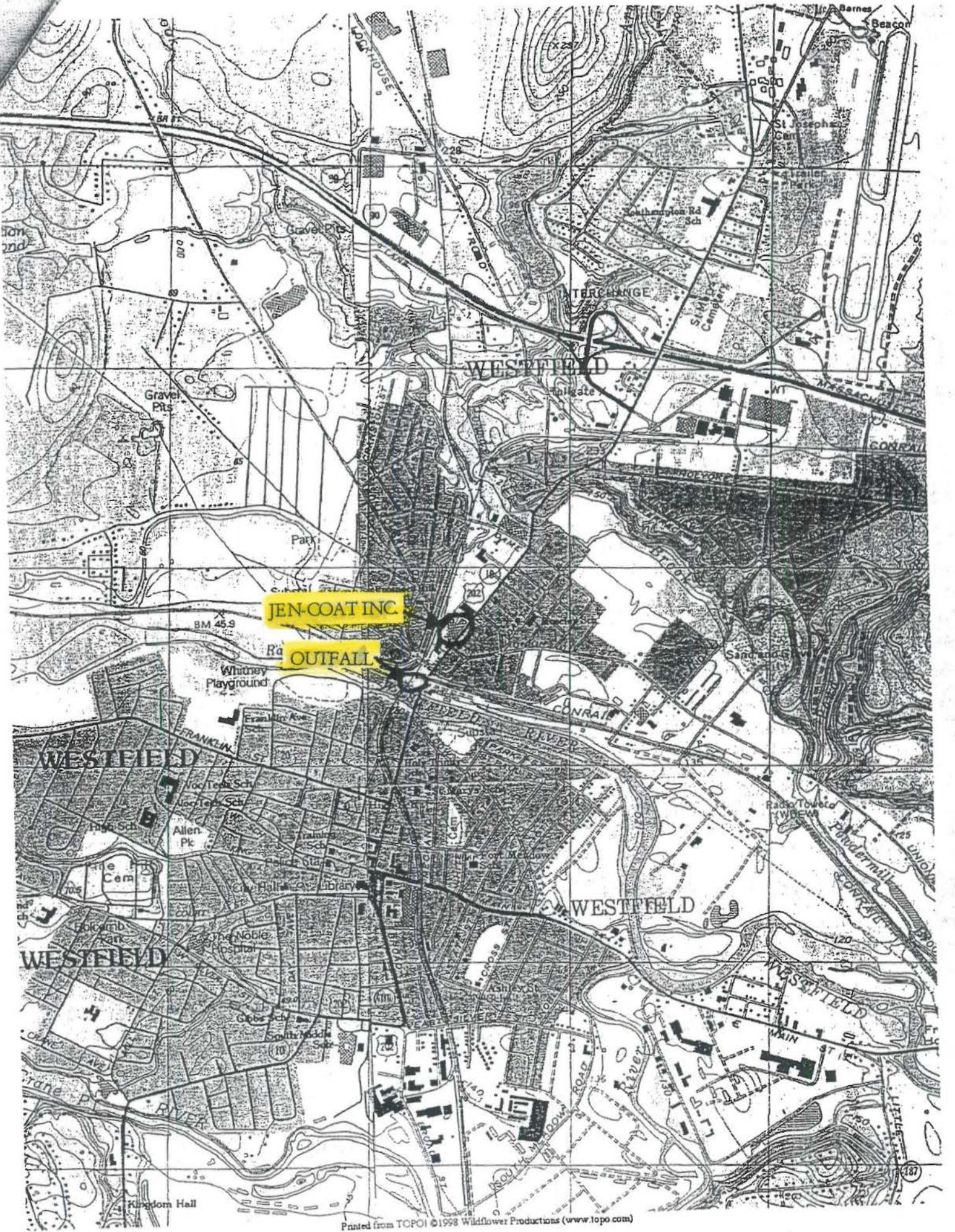


JEN-COAT INC.

OUTFALL



NPDES NCCW ESTIMATED 7Q10

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)	7Q10 (cfs)
Ashland Hercules Water Technologies Chicopee	MAG250848	Connecticut River	1235	1910
Baker Commodities North Billerica	MAG250026	Concord River	16.1	24.9
Chemplastia Florence	MAG250960	Mill River (Connecticut)	3.2	4.8
Communications & Power Industries - Beverly Microwave Division Beverly	MAG250520	Unnamed Trib to Bass River (North Coastal)	0.01	0.01
Concrete Block Insulating Systems, Inc. West Brookfield	MAG250121	Wetlands leading to Quaboag River (Chicopee)	0.11	0.17
Eastern Point Condos Shrewsbury	MAG250018	Lake Quinsigamond (Blackstone)	Lake	
Eastport Bayside LLC Harborview Place Plymouth	MAG250020	Plymouth Harbor	Marine	
Fall River Tool & Die Fall River	MAG250017	Sucker Brook (Mount Hope Bay)	0.04	0.06
Flo Chemical Ashburnham	MAG250957	Phillips Brook (Nashua)	0.04	0.07
Fortifiber Corp. Attleboro	MAG250033	Bungay River (Ten Mile)	0.16	0.24
Four-in-One Chelmsford	MAG250244	Tributary to River Meadow Brook (SuAsCo)	0.01	0.01
Gutierrez Company Westford	MAG250976	(SuAsCo)	Wetland	
Haartz Corporation Acton	MAG250006	Conant Brook (SuAsCo)	0.01	0.01

See pg. 2

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)	7Q10 (cfs)
Harodite Industries Taunton	MAG250032	Three Mile River (Taunton)	6.1	9.4
Harrison Specialty	MAG250554	Neponset River (ACEC)	6.9	10.6
Hazen Paper Housatonic	MAG250973	Housatonic	45	69
Hazen Paper Hoyoke	MAG250872	Connecticut River	1147	1775
Jen-Coat , Inc. Westfield	MAG250856	Westfield River	37	57
Kiddie-Fenwal, Inc. Ashland	MAG250946	Cold Spring Brook (SuAsCo)	0.23	0.36
Lewcott Corporation Millbury	MAG250969	Blackstone River	27.2	42.1
MBTA Everett Shops Everett	MAG250005	Mystic River	2.9	4.4
MGH Institute of Health Professions Charlestown	MAG250019	Boston Harbor	Marine	
MIT Cambridge	MAG250971	Charles	13.8	21.3
Norfolk & Dedham Mutual Fire Insurance Co., Dedham	MAG250034	Charles River	8.3	12.9
Norwood Theatre Norwood	MAG250981	Neponset	0.01	0.01
OFS Fitel Corp Sturbridge	MAG250003	Hobbs Brook (Quinebaug)	0.08	0.13
Parkview Condominiums Winchester	MAG250009	Aberjona River (Mystic)	0.74	1.16
Photofabrication Engineering, Inc. Milford	MAG250033	Quarry (Charles)	Quarry	
Pond View Place Chelmsford	MAG250978	Stoney Brook (Merrimack)	2.1	3.2

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)	7Q10 (cfs)
Riverdale Mills Northbridge	MAG250279	Blackstone River	29	45
Saint-Gobain Containers Milford	MAG250911	Charles River	Wetlands	
Simonds Industries Fitchburg	MAG250022	Nashua	6.0	9.3
Sinclair Mfg. Corp., Norton	MAG250030	Chartey Brook (Taunton)	0.19	0.29
Steinerfilm, Inc. Williamstown	MAG250037	Broad Brook (Hoosic)	0.52	0.8
Union Wharf Boston	MAG250979	Boston Harbor	Marine	
United County Industries Millbury	MAG250014	Blackstone River	24.9	38.5
The Weetabix Company, Inc. Clinton	MAG250759	South Nashua River	1.71	2.64
Weston Corporate Center	MAG250979	Charles	Quarry	

(9/27/2013)

Receiving Water Temperature Engineering Calculation for Massachusetts Facility based on the calculation provided in Attachment B, of General Permit:

- Mass of effluent based on permit limitations is 1.0 MGD.
- Change in temperature, effluent – influent is 10°F, based on historical readings.
- Mass of river is 37 MGD, taken from published 7Q10 estimate posted on EPA website.

$$\begin{aligned}m_p &= 1 \text{ mgd} \\ \Delta T_p &= 10^\circ \text{ F} \\ m_r &= 37 \text{ mgd}\end{aligned}$$

$$\begin{aligned}\Delta T_r &= m_p / m_r \times \Delta T_p \\ &= (1 \text{ mgd} / 37 \text{ mgd}) \times 10^\circ \text{ F} \\ &= 0.27^\circ \text{ F}\end{aligned}$$