Application for Individual Section 401 Water Quality Certification
Appendix II

					Functions Provided								
Wetland ID	**Size (s.f)**	**Size (acres)**	**Cowardin Types**	**Hydrology**	**Floodflow Alteration**	**Sediment/Toxicant Retention**	**Groundwater Recharge**	**Nutrient Removal Retention**	**Wildlife Habitat**	**RTE Species**	**Erosion Control**	**Wetland Class**	**Other Description**
118	12512.39	0.287245	PEM1	Surface water runoff is primary hydrologic input	x	x		x	x		x	2	Shallow emergent marsh
119	2714.833	0.062324	PEM1	Surface water runoff is primary hydrologic input		x						3	Shallow emergent marsh
120	48015.93	1.102294	PSS1	Surface water runoff is primary hydrologic input	x	x						3	Alder swamp
121	25964.68	0.596067	PEM1	Surface water runoff is primary hydrologic input	x	x						3	Alder swamp/Shallow Emergent Marsh
124	2229.052	0.051172	PSS1	Surface water runoff is primary hydrologic input		x						3	Shallow emergent marsh
216	1108.428	0.025446	PEM1	Surface water runoff is primary hydrologic input		x						3	Shallow emergent marsh
305	1756.296	0.040319	PEM1	Surface water runoff is primary hydrologic input		x						3	Wet Meadow
332	9925.625	0.227861	PEM1	Surface water runoff is primary hydrologic input		x				x		2	Wet Meadow
334	10549.93	0.242193	PEM1	Surface water runoff is primary hydrologic input		x						3	Wet Meadow
335	11500.93	0.264025	PEM1	Groundwater discharge/surface water runoff		x	x	x			x	3	Seep
336	3331.556	0.076482	PEM1	Surface water runoff is primary hydrologic input		x						3	Shallow emergent marsh
346	4406.704	0.101164	PEM1	Groundwater discharge/surface water runoff		x		x	x		x	3	Seep
356	448.7551	0.010302	PEM1	Surface water runoff is primary hydrologic input		x						3	Shallow emergent marsh
417	7329.449	0.168261	PEM1	Groundwater discharge/surface water runoff		x	x	x			x	2	Seep
510	1795.195	0.041212	PEM1	Groundwater discharge/surface water runoff		x	x					3	Seep
514	3570.308	0.081963	PEM1	Groundwater discharge/surface water runoff		x	x					3	Seep

531	924.2561	0.021218	PEM1	Groundwater discharge/surface water runoff		x	x					3	Seep
535	6217.842	0.142742	PEM1	Groundwater discharge/surface water runoff		x	x					2	Seep
536	21354.42	0.49023	PSS1	Surface water runoff is primary hydrologic input		x						2	Alder swamp
706	27744.06	0.636916	PEM1	Groundwater discharge/surface water runoff		x	x			x		2	Seep
707	2318.917	0.053235	PEM1	Surface water runoff is primary hydrologic input		x		x			x	2	Wet Meadow
708	2248.044	0.051608	PEM1	Surface water runoff is primary hydrologic input		x						3	Wet Meadow
A14	11415.51	0.262064	PEM1	Groundwater discharge/surface water runoff	x	x	x					3	Seep

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Appendix III

Proposed Wetlands Impacted											
Wetland ID	Wetland VT Class	Wetland Fill (s.f.)	Wetland Fill (acres)	Wetland Tree Clearing (s.f.)	Wetland Tree Clearing (Acres)	Temporary (s.f.)	Temporary (Acres)	Total Permanent plus Temporary (s.f)	Total Permanent plus Temporary (Acres)	Other Impacts (s.f.)	Other Impacts (Acres)
118	2	0	0	2521	0.057874	0	0	0	0	0	0
119	3	364	0.008356	0	0	0	0	0	0	0	0
120	3	11272	0.25877	0	0	0	0	0	0	0	0
121	3	2225	0.051079	0	0	0	0	0	0	0	0
124	3	493	0.011318	471	0.010813	0	0	0	0	0	0
216	3	1108	0.025436	0	0	0	0	0	0	0	0
305	3	125	0.00287	0	0	0	0	0	0	0	0

332	2	1341	0.030785	0	0	0	0	0	0	0	0
334	3	0	0	2174	0.049908	0	0	0	0	0	0
335	3	57	0.001309	0	0	0	0	0	0	0	0
336	3	3332	0.076492	0	0	0	0	0	0	0	0
346	3	0	0	859	0.01972	0	0	0	0	0	0
356	3	449	0.010308	0	0	0	0	0	0	0	0
417	2	7330	0.168274	0	0	0	0	0	0	0	0
510	3	0	0	446	0.010239	0	0	0	0	0	0
514	3	3571	0.081979	0	0	0	0	0	0	0	0
531	3	925	0.021235	0	0	0	0	0	0	0	0
535	2	6218	0.142746	0	0	0	0	0	0	0	0

536	2	21355	0.490243	0	0	0	0	0	0	0	0
706	2	0	0	1835	0.042126	0	0	0	0	0	0
707	2	2319	0.053237	0	0	0	0	0	0	0	0
708	3	2248	0.051607	0	0	0	0	0	0	0	0
A14	3	320	0.007346	0	0	0	0	0	0	0	0

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Appendix IV

Streams & Rivers Identified							
ID #	**Watershed**	**Stream Name**	**303(d) List Impairment Status at Crossing**	**Crossing Type**	**Town**	**Latitude/Longitude**	**Intermittent or Perennial**
SC#1	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x100'x4' Precast Concrete Bridge	Dover	-72.898035 42.924971	Perennial
SC#2	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x200' Open Bottom Arch Culvert	Dover	-72.896868 42.924890	Perennial
SC#3	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x100' Open Bottom Arch Culvert	Dover	-72.895970 42.924378	Perennial
SC#4	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x90' Bridge to Replace Culvert	Dover	-72.894315 42.923912	Perennial
SC#5	North Branch Deerfield River	Tributary to Cold Brook	Not listed	3'x40' Open Bottom Arch Culvert to Replace Culvert	Dover	-72.896085 42.927036	Intermittent
SC#6	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x40' Open Bottom Arch Culvert	Dover	-72.891026 42.923552	Intermittent
SC#7	North Branch Deerfield River	Tributary to Cold Brook	Not listed	24'x40' Bridge	Dover	-72.890079 42.927500	Perennial
SC#8	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x50' Open Bottom Arch Culvert	Dover	-72.890720 42.927426	Perennial
SC#9	North Branch Deerfield River	Tributary to Cold Brook	Not listed	4'x40' Open Bottom Arch Culvert	Dover	-72.891306 42.927867	Intermittent
SC#10	North Branch Deerfield River	Tributary to Cold Brook	Not listed	6'x60' Open Bottom Arch Culvert	Dover	-72.891922 42.926836	Perennial

SC#11	North Branch Deerfield River	Cold Brook	Not listed	1-Span Bridge to replace snowmobile bridge	Dover	-72.890578 42.931053	Perennial
SC#12	North Branch Deerfield River	Cold Brook	Not listed	Upgrades to Cold Brook Withdrawl	Dover	-72.885201 42.923240	Perennial
SC#13	North Branch Deerfield River	Cold Brook	Not listed	Mirror Lake Outlet Structure	Dover	-72.883859 42.920115	Perennial
SC#14	North Branch Deerfield River	Tributary to Cold Brook	Not listed	4'x40' Open Bottom Arch Culvert (remove culvert DS)	Dover	-72.885466 42.918952	Intermittent
SC#15	North Branch Deerfield River	Haystack Brook	Not listed	Haystack Brook Withdrawl	Dover	-72.886578 42.916447	Perennial
Lower MTN Lift	North Branch Deerfield River	Unnamed	Not listed	Lower Mountain Lift Clearing	Dover	-72.893264 42.922155	Intermittent
MTN Coaster	North Branch Deerfield River	Unnamed	Not listed	Mountain Coaster Clearing	Dover	-72.896958 42.922128	Intermittent
Siegel Pond	North Branch Deerfield River	Tributary to Haystack Brook	Not listed	Siegel pond construction	Dover	-72.885023 42.916524	Intermittent