

Appendix F: Discharge and Cost Base Data								
Source - Connecticut Department of Environmental Protection								
			Atten	Exchange	Normalization	Baseline	No Capital Controls	
PLANT	Zone	Tier	Factor	Ratio	rate	Discharge	Concent-	Annual
						(18mg/l)¹	ration	Cost
Groton City	1	1	1	0.182	0.182	109,135	14	\$ 10,000
Groton Town	1	1	1	0.182	0.182	154,067	14	\$ 20,000
Ledyard	1	1	1	0.182	0.182	8,395	0	\$ -
Montville	1	1	1	0.182	0.182	53,728	14	\$ 10,000
New London	1	1	1	0.182	0.182	280,211	14	\$ 20,000
Norwich	1	1	1	0.182	0.182	403,581	14	\$ 20,000
Stonington-Borough	1	1	1	0.182	0.182	10,403	0	\$ -
Stonington-Mystic	1	1	1	0.182	0.182	27,959	0	\$ -
Branford	3	1	1	0.595	0.595	143,664	14	\$ 20,000
New Haven	3	1	1	0.595	0.595	2,123,132	14	\$ 20,000
North Haven	3	1	1	0.595	0.595	197,392	14	\$ 20,000
Wallingford	3	1	1	0.595	0.595	333,391	14	\$ 20,000
West Haven	3	1	1	0.595	0.595	428,802	14	\$ 20,000
Ansonia	4	1	1	0.671	0.671	146,402	14	\$ 20,000
Beacon Falls	4	1	1	0.671	0.671	10,403	0	\$ -
Derby	4	1	1	0.671	0.671	95,411	14	\$ 10,000
Milford Beaver Br.	4	1	1	0.671	0.671	111,325	14	\$ 10,000
Milford Housatonic	4	1	1	0.671	0.671	350,400	14	\$ 20,000
Seymour	4	1	1	0.671	0.671	88,841	14	\$ 10,000
Shelton	4	1	1	0.671	0.671	111,873	14	\$ 10,000
Stratford	4	1	1	0.671	0.671	417,816	14	\$ 20,000
Bridgeport East	5	1	1	0.854	0.854	642,108	14	\$ 20,000
Bridgeport West	5	1	1	0.854	0.854	1,337,944	14	\$ 20,000
Fairfield	5	1	1	0.854	0.854	415,078	14	\$ 20,000
Westport	5	1	1	0.854	0.854	100,339	14	\$ 10,000
Greenwich	6	1	1	1	1	538,448	14	\$ 20,000
New Canaan	6	1	1	1	1	74,022	14	\$ 10,000
Norwalk	6	1	1	1	1	689,814	14	\$ 20,000
Ridgefield	6	1	1	1	1	50,991	0	\$ -

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			Atten	Exchange	Normalization	Baseline	No Capital Controls	
PLANT	Zone	Tier	Factor	Ratio	rate	Discharge	Concent-	Annual
						(18mg/l)¹	ration	Cost
Stamford	6	1	1	1	1	868,007	14	\$ 20,000
Griswold/Jewett City	1	2	0.8	0.182	0.1456	30,149	0	\$ -
Sprague	1	2	0.8	0.182	0.1456	9,855	0	\$ -
Stonington-Pawtucket	1	2	0.8	0.182	0.1456	18,104	0	\$ -
East Hampton	2	2	0.8	0.218	0.1744	52,633	14	\$ 10,000
Glastonbury	2	2	0.8	0.218	0.1744	103,624	14	\$ 10,000
Hartford	2	2	0.8	0.218	0.1744	3,520,279	14	\$ 20,000
Mattabassett	2	2	0.8	0.218	0.1744	1,268,302	14	\$ 20,000
Portland	2	2	0.8	0.218	0.1744	35,624	0	\$ -
Rocky Hill	2	2	0.8	0.218	0.1744	361,898	14	\$ 20,000
Cheshire	3	2	0.8	0.595	0.476	113,515	14	\$ 10,000
Meriden	3	2	0.8	0.595	0.476	544,507	14	\$ 20,000
Southington	3	2	0.8	0.595	0.476	242,908	14	\$ 20,000
Danbury	4	2	0.36	0.671	0.24156	434,277	14	\$ 20,000
Naugatuck	4	2	0.8	0.671	0.5368	365,183	14	\$ 20,000
New Milford	4	2	0.36	0.671	0.24156	24,127	0	\$ -
Thomaston	4	2	0.8	0.671	0.5368	60,335	14	\$ 10,000
Torrington	4	2	0.8	0.671	0.5368	353,138	14	\$ 20,000
Waterbury	4	2	0.8	0.671	0.5368	1,289,144	14	\$ 20,000
Killingly	1	3	0.512	0.182	0.093184	143,117	14	\$ 20,000
Plainfield North	1	3	0.512	0.182	0.093184	36,756	0	\$ -
Plainfield Village	1	3	0.512	0.182	0.093184	32,339	0	\$ -
Putnam	1	3	0.512	0.182	0.093184	78,950	14	\$ 10,000
Stafford	1	3	0.64	0.182	0.11648	73,475	14	\$ 10,000
UConn	1	3	0.64	0.182	0.11648	63,875	14	\$ 10,000
Windham	1	3	0.64	0.182	0.11648	140,379	14	\$ 20,000
East Hartford	2	3	0.64	0.218	0.13952	632,217	14	\$ 20,000
East Windsor	2	3	0.64	0.218	0.13952	61,430	14	\$ 10,000
Enfield	2	3	0.64	0.218	0.13952	269,224	14	\$ 20,000
Manchester	2	3	0.64	0.218	0.13952	320,215	14	\$ 20,000
South Windsor	2	3	0.64	0.218	0.13952	119,538	14	\$ 10,000
Suffield	2	3	0.64	0.218	0.13952	52,633	14	\$ 10,000

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			Atten	Exchange	Normalization	Baseline	No Capital Controls		
PLANT	Zone	Tier	Factor	Ratio	rate	Discharge	Concent-	Annual	
						(18mg/l)¹	ration	Cost	
Vernon	2	3	0.64	0.218	0.13952	250,573	14	\$ 20,000	
Windsor	2	3	0.64	0.218	0.13952	128,298	14	\$ 10,000	
Windsor Locks	2	3	0.64	0.218	0.13952	87,746	14	\$ 10,000	
Litchfield	4	3	0.162	0.671	0.108702	33,434	0	\$ -	
Norfolk	4	3	0.162	0.671	0.108702	19,199	0	\$ -	
Salisbury	4	3	0.162	0.671	0.108702	20,294	0	\$ -	
Sharon	4	3	0.162	0.671	0.108702	86,104	0	\$ -	
Bristol	2	4	0.512	0.218	0.111616	590,023	14	\$ 20,000	
Canton	2	4	0.512	0.218	0.111616	27,412	0	\$ -	
Farmington	2	4	0.512	0.218	0.111616	177,646	14	\$ 20,000	
Plymouth	2	4	0.512	0.218	0.111616	51,538	14	\$ 10,000	
Simsbury	2	4	0.512	0.218	0.111616	98,149	14	\$ 10,000	
Winchester	2	4	0.512	0.218	0.111616	93,769	14	\$ 10,000	
			¹ Baseline nitrogen discharge is calculated based on 1993 flows and 18mg/l concentration						
			² Annual costs are calculated assuming 6 percent interest rate and 20 year useful life						
			³ Future flow assumes average 1990-96 flows will increase 20 percent over 15 years						

Appendix F: Disch							
Source - Connecticut D							
PLANT	<i>Low Capital Upgrade(7 mg/L)</i>			<i>High Capital Upgrade (3.5 mg/L)</i>			Future
	Capital	Annual	Annual	Capital	Annual	Annual	Flow
	Costs	Capital Cost²	O&M	Costs	Capital Cost²	O&M	(mgd)³
Groton City	\$ 750,000	\$ 65,388	\$ 35,425	\$ 3,250,000	\$ 283,350	\$ 79,707	2.4264
Groton Town	\$ 12,000,000	\$ 1,046,215	\$ 57,325	\$ 18,000,000	\$ 1,569,322	\$ 128,982	3.9264
Ledyard	\$ 3,000,000	\$ 261,554	\$ 3,197	\$ 4,000,000	\$ 348,738	\$ 7,194	0.219
Montville	\$ 2,500,000	\$ 217,961	\$ 24,072	\$ 2,500,000	\$ 217,961	\$ 54,163	1.6488
New London	\$ 3,500,000	\$ 305,146	\$ 122,745	\$ 11,000,000	\$ 959,030	\$ 276,177	8.4072
Norwich	\$ 2,500,000	\$ 217,961	\$ 106,206	\$ 9,000,000	\$ 784,661	\$ 238,964	7.2744
Stonington-Borough	\$ 2,500,000	\$ 217,961	\$ 4,135	\$ 3,500,000	\$ 305,146	\$ 9,303	0.2832
Stonington-Mystic	\$ 1,300,000	\$ 113,340	\$ 11,283	\$ 2,300,000	\$ 200,524	\$ 25,386	0.7728
Branford	\$ 1,875,000	\$ 163,471	\$ 65,700	\$ 6,187,500	\$ 539,454	\$ 147,825	4.5
New Haven	\$ 8,500,000	\$ 741,069	\$ 584,000	\$ 23,500,000	\$ 2,048,837	\$ 1,314,000	40
North Haven	\$ 1,000,000	\$ 87,185	\$ 60,864	\$ 4,500,000	\$ 392,331	\$ 136,945	4.1688
Wallingford	\$ 1,500,000	\$ 130,777	\$ 96,570	\$ 7,500,000	\$ 653,884	\$ 217,283	6.6144
West Haven	\$ 800,000	\$ 69,748	\$ 139,915	\$ 8,300,000	\$ 723,632	\$ 314,808	9.5832
Ansonia	\$ 1,000,000	\$ 87,185	\$ 43,905	\$ 3,500,000	\$ 305,146	\$ 98,787	3.0072
Beacon Falls	\$ 500,000	\$ 43,592	\$ 4,625	\$ 1,500,000	\$ 130,777	\$ 10,407	0.3168
Derby	\$ 2,500,000	\$ 217,961	\$ 31,992	\$ 5,000,000	\$ 435,923	\$ 71,981	2.1912
Milford Beaver Br.	\$ 1,200,000	\$ 104,621	\$ 35,846	\$ 3,200,000	\$ 278,991	\$ 80,653	2.4552
Milford Housatonic	\$ 800,000	\$ 69,748	\$ 108,939	\$ 6,800,000	\$ 592,855	\$ 245,114	7.4616
Seymour	\$ 12,500,000	\$ 1,089,807	\$ 23,512	\$ 15,000,000	\$ 1,307,768	\$ 52,902	1.6104
Shelton	\$ 6,000,000	\$ 523,107	\$ 37,595	\$ 8,000,000	\$ 697,476	\$ 84,589	2.575
Stratford	\$ 3,234,375	\$ 281,988	\$ 159,467	\$ 10,062,500	\$ 877,295	\$ 358,801	10.9224
Bridgeport East	\$ 3,375,000	\$ 294,248	\$ 149,831	\$ 10,500,000	\$ 915,438	\$ 337,120	10.2624
Bridgeport West	\$ 7,250,000	\$ 632,088	\$ 423,400	\$ 18,125,000	\$ 1,580,220	\$ 952,650	29
Fairfield	\$ 2,812,500	\$ 245,207	\$ 131,400	\$ 9,281,250	\$ 809,182	\$ 295,650	9
Westport	\$ 1,087,500	\$ 94,813	\$ 32,832	\$ 3,353,125	\$ 292,341	\$ 73,873	2.2488
Greenwich	\$ 500,000	\$ 43,592	\$ 167,807	\$ 7,500,000	\$ 653,884	\$ 377,565	11.4936
New Canaan	\$ 562,500	\$ 49,041	\$ 21,900	\$ 1,734,375	\$ 151,211	\$ 49,275	1.5
Norwalk	\$ 4,218,750	\$ 367,810	\$ 219,000	\$ 13,125,000	\$ 1,144,297	\$ 492,750	15
Ridgefield	\$ 250,000	\$ 21,796	\$ 10,950	\$ 250,000	\$ 21,796	\$ 24,638	0.75

Appendix F: Disch							
Source - Connecticut D							
PLANT	<i>Low Capital Upgrade(7 mg/L)</i>			<i>High Capital Upgrade (3.5 mg/L)</i>			Future
	Capital	Annual	Annual	Capital	Annual	Annual	Flow
	Costs	Capital Cost ²	O&M	Costs	Capital Cost ²	O&M	(mgd) ³
Stamford	\$ 5,250,000	\$ 457,719	\$ 273,592	\$ 15,250,000	\$ 1,329,564	\$ 615,583	18.7392
Griswold/Jewett City	\$ 218,750	\$ 19,072	\$ 6,552	\$ 687,500	\$ 59,939	\$ 14,743	0.4488
Sprague	\$ 1,000,000	\$ 87,185	\$ 4,275	\$ 2,000,000	\$ 174,369	\$ 9,618	0.2928
Stonington-Pawtucket	\$ 1,000,000	\$ 87,185	\$ 7,814	\$ 2,250,000	\$ 196,165	\$ 17,581	0.5352
East Hampton	\$ 750,000	\$ 65,388	\$ 18,746	\$ 3,500,000	\$ 305,146	\$ 42,179	1.284
Glastonbury	\$ 1,250,000	\$ 108,981	\$ 34,830	\$ 4,000,000	\$ 348,738	\$ 78,367	2.3856
Hartford	\$ 15,000,000	\$ 1,307,768	\$ 876,000	\$ 55,000,000	\$ 4,795,151	\$ 1,971,000	60
Mattabassett	\$ 7,500,000	\$ 653,884	\$ 435,968	\$ 18,750,000	\$ 1,634,710	\$ 980,927	29.8608
Portland	\$ 4,000,000	\$ 348,738	\$ 11,003	\$ 5,000,000	\$ 435,923	\$ 24,756	0.7536
Rocky Hill	\$ 2,343,750	\$ 204,339	\$ 103,929	\$ 7,734,375	\$ 674,318	\$ 233,839	7.1184
Cheshire	\$ 1,000,000	\$ 87,185	\$ 35,636	\$ 3,500,000	\$ 305,146	\$ 80,180	2.4408
Meriden	\$ 3,000,000	\$ 261,554	\$ 168,998	\$ 10,000,000	\$ 871,846	\$ 380,245	11.5752
Southington	\$ 2,000,000	\$ 174,369	\$ 72,673	\$ 7,000,000	\$ 610,292	\$ 163,514	4.9776
Danbury	\$ 2,500,000	\$ 217,961	\$ 156,138	\$ 10,000,000	\$ 871,846	\$ 351,311	10.6944
Naugatuck	\$ 3,000,000	\$ 261,554	\$ 97,096	\$ 9,500,000	\$ 828,253	\$ 218,466	6.6504
New Milford	\$ 500,000	\$ 43,592	\$ 8,375	\$ 1,500,000	\$ 130,777	\$ 18,843	0.5736
Thomaston	\$ 450,000	\$ 39,233	\$ 16,994	\$ 1,387,500	\$ 120,969	\$ 38,237	1.164
Torrington	\$ -	\$ -	\$ 102,200	\$ 5,000,000	\$ 435,923	\$ 229,950	7
Waterbury	\$ 6,750,000	\$ 588,496	\$ 379,600	\$ 16,875,000	\$ 1,471,239	\$ 854,100	26
Killingly	\$ 4,000,000	\$ 348,738	\$ 46,078	\$ 6,500,000	\$ 566,700	\$ 103,675	3.156
Plainfield North	\$ 2,000,000	\$ 174,369	\$ 11,353	\$ 3,000,000	\$ 261,554	\$ 25,544	0.7776
Plainfield Village	\$ 2,000,000	\$ 174,369	\$ 8,851	\$ 3,000,000	\$ 261,554	\$ 19,915	0.60624
Putnam	\$ 3,000,000	\$ 261,554	\$ 21,024	\$ 4,250,000	\$ 370,534	\$ 47,304	1.44
Stafford	\$ 5,000,000	\$ 435,923	\$ 21,760	\$ 8,000,000	\$ 697,476	\$ 48,960	1.4904
UConn	\$ 10,000,000	\$ 871,846	\$ 20,831	\$ 11,500,000	\$ 1,002,622	\$ 46,870	1.4268
Windham	\$ 5,000,000	\$ 435,923	\$ 48,565	\$ 9,000,000	\$ 784,661	\$ 109,272	3.3264
East Hartford	\$ 3,000,000	\$ 261,554	\$ 153,300	\$ 9,500,000	\$ 828,253	\$ 344,925	10.5
East Windsor	\$ 12,000,000	\$ 1,046,215	\$ 15,768	\$ 12,000,000	\$ 1,046,215	\$ 35,478	1.08
Enfield	\$ 2,000,000	\$ 174,369	\$ 93,802	\$ 8,500,000	\$ 741,069	\$ 211,055	6.4248
Manchester	\$ 2,000,000	\$ 174,369	\$ 113,460	\$ 8,000,000	\$ 697,476	\$ 255,284	7.7712
South Windsor	\$ 1,250,000	\$ 108,981	\$ 39,490	\$ 4,000,000	\$ 348,738	\$ 88,853	2.7048
Suffield	\$ 2,000,000	\$ 174,369	\$ 20,849	\$ 3,500,000	\$ 305,146	\$ 46,910	1.428

Appendix F: Disch							
Source - Connecticut D							
	<i>Low Capital Upgrade(7 mg/L)</i>			<i>High Capital Upgrade (3.5 mg/L)</i>			Future
	Capital	Annual	Annual	Capital	Annual	Annual	Flow
PLANT	Costs	Capital Cost²	O&M	Costs	Capital Cost²	O&M	(mgd)³
Vernon	\$ 2,000,000	\$ 174,369	\$ 77,929	\$ 6,600,000	\$ 575,418	\$ 175,340	5.3376
Windsor	\$ 1,562,500	\$ 136,226	\$ 40,191	\$ 5,156,250	\$ 449,545	\$ 90,429	2.7528
Windsor Locks	\$ 1,000,000	\$ 87,185	\$ 26,876	\$ 3,500,000	\$ 305,146	\$ 60,470	1.8408
Litchfield	\$ 4,000,000	\$ 348,738	\$ 10,757	\$ 5,000,000	\$ 435,923	\$ 24,204	0.7368
Norfolk	\$ 1,000,000	\$ 87,185	\$ 5,110	\$ 2,000,000	\$ 174,369	\$ 11,498	0.35
Salisbury	\$ 1,000,000	\$ 87,185	\$ 7,113	\$ 2,000,000	\$ 174,369	\$ 16,005	0.4872
Sharon	\$ 1,000,000	\$ 87,185	\$ 1,022	\$ 2,000,000	\$ 174,369	\$ 2,300	0.07
Bristol	\$ 3,000,000	\$ 261,554	\$ 153,300	\$ 9,500,000	\$ 828,253	\$ 344,925	10.5
Canton	\$ 500,000	\$ 43,592	\$ 9,286	\$ 1,500,000	\$ 130,777	\$ 20,893	0.636
Farmington	\$ 2,000,000	\$ 174,369	\$ 62,336	\$ 7,000,000	\$ 610,292	\$ 140,256	4.2696
Plymouth	\$ 1,000,000	\$ 87,185	\$ 17,205	\$ 3,000,000	\$ 261,554	\$ 38,710	1.1784
Simsbury	\$ 5,000,000	\$ 435,923	\$ 33,113	\$ 7,500,000	\$ 653,884	\$ 74,504	2.268
Winchester	\$ 1,500,000	\$ 130,777	\$ 27,857	\$ 4,000,000	\$ 348,738	\$ 62,678	1.908
	ation and reported as pounds per year (end-of-pipe).						

Appendix G:									
Uniform 70% reduction requirement									
				1990 Normalized	cap		actual reduction		
Plant	Zone	Tier	TR	discharge	70 % reduction	option	undertaken	capital cost	OM cost
Groton City	1	1	0.182	19,863	15,175	high*	15,155	\$ 283,350	\$ 79,707
Groton Town	1	1	0.182	28,040	21,422	high*	20,422	1,569,322	128,982
Ledyard	1	1	0.182	1,528	1,167	high*	1,103	348,738	7,194
Montville	1	1	0.182	9,778	7,471	high*	6,580	217,961	54,163
New London	1	1	0.182	50,998	38,962	high*	34,687	959,030	276,177
Norwich	1	1	0.182	73,452	56,117	high	56,117	784,661	238,964
Stonington-Borough	1	1	0.182	1,893	1,446	high*	1,344	305,146	9,303
Stonington-Mystic	1	1	0.182	5,089	3,888	high*	3,589	200,524	25,386
Griswold/Jewett City	1	2	0.146	4,390	3,354	high	3,354	59,939	14,743
Sprague	1	2	0.146	1,435	1,096	high*	980	174,369	9,618
Stonington-Pawcatuck	1	2	0.146	2,636	2,014	high*	1,805	196,165	17,581
Killingly	1	3	0.093	13,336	10,189	high	10,189	566,700	103,675
Plainfield North	1	3	0.093	3,425	2,617	high	2,617	261,554	25,544
Plainfield Village	1	3	0.093	3,013	2,302	high	2,302	261,554	19,915
Putnam	1	3	0.093	7,357	5,621	high	5,621	370,534	47,304
Stafford	1	3	0.116	8,558	6,538	high	6,538	697,476	48,960
UConn	1	3	0.116	7,440	5,684	high*	5,669	1,002,622	46,870
Windham	1	3	0.116	16,351	12,492	high*	12,221	784,661	109,272
East Hampton	2	2	0.174	9,179	7,013	high*	6,792	305,146	42,179
Glastonbury	2	2	0.174	18,072	13,807	high*	13,637	348,738	78,367
Hartford	2	2	0.174	613,937	469,044	high	469,044	4,795,151	1,971,000
Mattabassett	2	2	0.174	221,192	168,989	high*	165,678	1,634,710	980,927
Portland	2	2	0.174	6,213	4,747	high	4,747	435,923	24,756
Rocky Hill	2	2	0.174	63,115	48,219	high	48,219	674,318	233,839
East Hartford	2	3	0.14	88,207	67,389	high	67,389	828,253	344,925
East Windsor	2	3	0.14	8,571	6,548	high	6,548	1,046,215	35,478
Enfield	2	3	0.14	37,562	28,697	high*	28,007	741,069	211,055
Manchester	2	3	0.14	44,676	34,132	high*	33,118	697,476	255,284
South Windsor	2	3	0.14	16,678	12,742	high*	12,655	348,738	88,853
Suffield	2	3	0.14	7,343	5,610	high*	5,220	305,146	46,910
Vernon	2	3	0.14	34,960	26,709	high	26,709	575,418	175,340
Windsor	2	3	0.14	17,900	13,676	high	13,676	449,545	90,429
Windsor Locks	2	3	0.14	12,242	9,353	high	9,353	305,146	60,470

Appendix G:									
Uniform 70% reduction requirement									
				1990 Normalized	cap		actual reduction		
Plant	Zone	Tier	TR	discharge	70 % reduction	option	undertaken	capital cost	OM cost
Bristol	2	4	0.112	65,856	50,314	high	50,314	828,253	344,925
Canton	2	4	0.112	3,060	2,337	high*	2,303	130,777	20,893
Farmington	2	4	0.112	19,828	15,149	high*	14,748	610,292	140,256
Plymouth	2	4	0.112	5,752	4,395	high*	4,350	261,554	38,710
Simsbury	2	4	0.112	10,955	8,370	high*	8,256	653,884	74,504
Winchester	2	4	0.112	10,466	7,996	high	7,996	348,738	62,678
Branford	3	1	0.595	85,480	65,306	high*	56,938	539,454	147,825
New Haven	3	1	0.595	1,263,264	965,126	high	965,126	2,048,837	1,314,000
North Haven	3	1	0.595	117,448	89,730	high	89,730	392,331	136,945
Wallingford	3	1	0.595	198,368	151,552	high	151,552	653,884	217,283
West Haven	3	1	0.595	255,137	194,923	high*	194,354	723,632	314,808
Cheshire	3	2	0.476	54,033	41,281	high	41,281	305,146	80,180
Meriden	3	2	0.476	259,185	198,016	high	198,016	871,846	380,245
Southington	3	2	0.476	115,624	88,336	high	88,336	610,292	163,514
Ansonia	4	1	0.671	98,235	75,051	high	75,051	305,146	98,787
Beacon Falls	4	1	0.671	6,980	5,333	high*	4,714	130,777	10,407
Derby	4	1	0.671	64,021	48,911	high*	48,348	435,923	71,981
Milford Beaver Br.	4	1	0.671	74,699	57,070	high	57,070	278,991	80,653
Milford Housatonic	4	1	0.671	235,118	179,629	high	179,629	592,855	245,114
Seymour	4	1	0.671	59,612	45,543	high	45,543	1,307,768	52,902
Shelton	4	1	0.671	75,066	57,350	high*	56,648	697,476	84,589
Stratford	4	1	0.671	280,354	214,189	high*	202,228	877,295	358,801
Danbury	4	2	0.242	104,904	80,146	high*	77,366	871,846	351,311
Naugatuck	4	2	0.537	196,030	149,766	high	149,766	828,253	218,466
New Milford	4	2	0.242	5,828	4,453	high*	4,351	130,777	18,843
Thomaston	4	2	0.537	32,388	24,744	high	24,744	120,969	38,237
Torrington	4	2	0.537	189,564	144,826	high	144,826	435,923	229,950
Waterbury	4	2	0.537	692,012	528,693	high	528,693	1,471,239	854,100
Litchfield	4	3	0.109	3,634	2,777	high	2,777	435,923	24,204
Norfolk	4	3	0.109	2,087	1,594	high	1,594	174,369	11,498
Salisbury	4	3	0.109	2,206	1,685	high*	1,641	174,369	16,005
Sharon	4	3	0.109	9,360	7,151	low	7,151	87,185	1,022
Bridgeport East	5	1	0.854	548,360	418,944	high	418,944	915,438	337,120

Appendix G:									
Uniform 70% reduction requirement									
Plant	Zone	Tier	TR	1990 Normalized discharge	cap 70 % reduction	option	actual reduction undertaken	capital cost	OM cost
Bridgeport West	5	1	0.854	1,142,604	872,943	high	872,943	1,580,220	952,650
Fairfield	5	1	0.854	354,477	270,818	high	270,818	809,182	295,650
Westport	5	1	0.854	85,689	65,466	high*	65,217	292,341	73,873
Greenwich	6	1	1	538,448	411,371	high	411,371	653,884	377,565
New Canaan	6	1	1	74,022	56,552	high	56,552	151,211	49,275
Norwalk	6	1	1	689,814	527,013	high	527,013	1,144,297	492,750
Ridgefield	6	1	1	50,991	38,956	high	38,956	21,796	24,638
Stamford	6	1	1	868,007	663,152	high	663,152	1,329,564	615,583
Totals				10,407,396	7,951,186		7,911,489	\$ 47,769,236	\$ 15,325,910
				cap	normalized final discharge				
				2,456,210	2,495,906				
capitla upgrades									
high			73						
low			1						
* cases where 70% reduction is infeasible (32 cases)									

Appendix G:	
Uniform 70% reduction r	
Plant	total annual costs
Groton City	\$ 363,057
Groton Town	1,698,304
Ledyard	355,932
Montville	272,124
New London	1,235,207
Norwich	1,023,625
Stonington-Borough	314,449
Stonington-Mystic	225,911
Griswold/Jewett City	74,682
Sprague	183,988
Stonington-Pawcatuck	213,747
Killingly	670,374
Plainfield North	287,098
Plainfield Village	281,469
Putnam	417,838
Stafford	746,436
UConn	1,049,493
Windham	893,933
East Hampton	347,325
Glastonbury	427,105
Hartford	6,766,151
Mattabassett	2,615,638
Portland	460,679
Rocky Hill	908,157
East Hartford	1,173,178
East Windsor	1,081,693
Enfield	952,123
Manchester	952,760
South Windsor	437,591
Suffield	352,056
Vernon	750,758
Windsor	539,975
Windsor Locks	365,616

Appendix G:	
Uniform 70% reduction r	
Plant	total annual costs
Bristol	1,173,178
Canton	151,669
Farmington	750,548
Plymouth	300,264
Simsbury	728,388
Winchester	411,416
Branford	687,279
New Haven	3,362,837
North Haven	529,276
Wallingford	871,167
West Haven	1,038,440
Cheshire	385,326
Meriden	1,252,091
Southington	773,806
Ansonia	403,932
Beacon Falls	141,184
Derby	507,904
Milford Beaver Br.	359,644
Milford Housatonic	837,969
Seymour	1,360,670
Shelton	782,065
Stratford	1,236,095
Danbury	1,223,157
Naugatuck	1,046,719
New Milford	149,620
Thomaston	159,206
Torrington	665,873
Waterbury	2,325,339
Litchfield	460,127
Norfolk	185,867
Salisbury	190,374
Sharon	88,207
Bridgeport East	1,252,558

Appendix G:	
Uniform 70% reduction r	
Plant	total annual costs
Bridgeport West	2,532,870
Fairfield	1,104,832
Westport	366,214
Greenwich	1,031,449
New Canaan	200,486
Norwalk	1,637,047
Ridgefield	46,434
Stamford	1,945,147
Totals	\$ 63,095,146
captial upgrades	
high	
low	
* cases where 70% redu	

Appendix H:									
Uniform 60% reduction requirement									
				1990 Normalized				actual reduction	
Plant	Zone	Tier	TR	discharge	60 % reduction reoption	undertaken	capital cost	OM cost	
Groton City	1	1	0.182	19,863	13,612	high	15,155	\$ 283,350	\$ 79,707
Groton Town	1	1	0.182	28,040	19,217	high	20,422	1,569,322	128,982
Ledyard	1	1	0.182	1,528	1,047	high	1,103	348,738	7,194
Montville	1	1	0.182	9,778	6,701	high*	6,580	217,961	54,163
New London	1	1	0.182	50,998	34,950	high*	34,687	959,030	276,177
Norwich	1	1	0.182	73,452	50,338	high	56,117	784,661	238,964
Stonington-Borough	1	1	0.182	1,893	1,297	high	1,344	305,146	9,303
Stonington-Mystic	1	1	0.182	5,089	3,487	high	3,589	200,524	25,386
Griswold/Jewett City	1	2	0.146	4,390	3,008	high	3,354	59,939	14,743
Sprague	1	2	0.146	1,435	983	high*	980	174,369	9,618
Stonington-Pawcatuck	1	2	0.146	2,636	1,806	high*	1,805	196,165	17,581
Killingly	1	3	0.093	13,336	9,140	high	10,189	566,700	103,675
Plainfield North	1	3	0.093	3,425	2,347	high	2,617	261,554	25,544
Plainfield Village	1	3	0.093	3,013	2,065	high	2,302	261,554	19,915
Putnam	1	3	0.093	7,357	5,042	high	5,621	370,534	47,304
Stafford	1	3	0.116	8,558	5,865	high	6,538	697,476	48,960
UConn	1	3	0.116	7,440	5,099	high	5,669	1,002,622	46,870
Windham	1	3	0.116	16,351	11,206	high	12,221	784,661	109,272
East Hampton	2	2	0.174	9,179	6,291	high	6,792	305,146	42,179
Glastonbury	2	2	0.174	18,072	12,385	high	13,637	348,738	78,367
Hartford	2	2	0.174	613,937	420,746	high	469,044	4,795,151	1,971,000
Mattabassett	2	2	0.174	221,192	151,588	high	165,678	1,634,710	980,927
Portland	2	2	0.174	6,213	4,258	high	4,747	435,923	24,756
Rocky Hill	2	2	0.174	63,115	43,254	high	48,219	674,318	233,839
East Hartford	2	3	0.14	88,207	60,450	high	67,389	828,253	344,925
East Windsor	2	3	0.14	8,571	5,874	high	6,548	1,046,215	35,478
Enfield	2	3	0.14	37,562	25,742	high	28,007	741,069	211,055
Manchester	2	3	0.14	44,676	30,618	high	33,118	697,476	255,284
South Windsor	2	3	0.14	16,678	11,430	high	12,655	348,738	88,853
Suffield	2	3	0.14	7,343	5,033	high	5,220	305,146	46,910
Vernon	2	3	0.14	34,960	23,959	high	26,709	575,418	175,340
Windsor	2	3	0.14	17,900	12,267	high	13,676	449,545	90,429
Windsor Locks	2	3	0.14	12,242	8,390	high	9,353	305,146	60,470

Appendix H:									
Uniform 60% reduction requirement									
				1990 Normalized			actual reduction		
Plant	Zone	Tier	TR	discharge	60 % reduction re	option	undertaken	capital cost	OM cost
Bristol	2	4	0.112	65,856	45,133	high	50,314	828,253	344,925
Canton	2	4	0.112	3,060	2,097	high	2,303	130,777	20,893
Farmington	2	4	0.112	19,828	13,589	high	14,748	610,292	140,256
Plymouth	2	4	0.112	5,752	3,942	high	4,350	261,554	38,710
Simsbury	2	4	0.112	10,955	7,508	high	8,256	653,884	74,504
Winchester	2	4	0.112	10,466	7,173	high	7,996	348,738	62,678
Branford	3	1	0.595	85,480	58,582	high*	56,938	539,454	147,825
New Haven	3	1	0.595	1,263,264	865,746	high	965,126	2,048,837	1,314,000
North Haven	3	1	0.595	117,448	80,490	high	89,730	392,331	136,945
Wallingford	3	1	0.595	198,368	135,946	high	151,552	653,884	217,283
West Haven	3	1	0.595	255,137	174,852	high	194,354	723,632	314,808
Cheshire	3	2	0.476	54,033	37,030	high	41,281	305,146	80,180
Meriden	3	2	0.476	259,185	177,626	high	198,016	871,846	380,245
Southington	3	2	0.476	115,624	79,240	high	88,336	610,292	163,514
Ansonia	4	1	0.671	98,235	67,323	high	75,051	305,146	98,787
Beacon Falls	4	1	0.671	6,980	4,784	high*	4,714	130,777	10,407
Derby	4	1	0.671	64,021	43,875	high	48,348	435,923	71,981
Milford Beaver Br.	4	1	0.671	74,699	51,193	high	57,070	278,991	80,653
Milford Housatonic	4	1	0.671	235,118	161,133	high	179,629	592,855	245,114
Seymour	4	1	0.671	59,612	40,854	high	45,543	1,307,768	52,902
Shelton	4	1	0.671	75,066	51,445	high	56,648	697,476	84,589
Stratford	4	1	0.671	280,354	192,134	high	202,228	877,295	358,801
Danbury	4	2	0.242	104,904	71,893	high	77,366	871,846	351,311
Naugatuck	4	2	0.537	196,030	134,344	high	149,766	828,253	218,466
New Milford	4	2	0.242	5,828	3,994	high	4,351	130,777	18,843
Thomaston	4	2	0.537	32,388	22,196	high	24,744	120,969	38,237
Torrington	4	2	0.537	189,564	129,913	high	144,826	435,923	229,950
Waterbury	4	2	0.537	692,012	474,253	high	528,693	1,471,239	854,100
Litchfield	4	3	0.109	3,634	2,491	high	2,777	435,923	24,204
Norfolk	4	3	0.109	2,087	1,430	high	1,594	174,369	11,498
Salisbury	4	3	0.109	2,206	1,512	high	1,641	174,369	16,005
Sharon	4	3	0.109	9,360	6,414	low	7,151	87,185	1,022
Bridgeport East	5	1	0.854	548,360	375,805	high	418,944	915,438	337,120

Appendix H:									
Uniform 60% reduction requirement									
				1990 Normalized			actual reduction		
Plant	Zone	Tier	TR	discharge	60 % reduction re	option	undertaken	capital cost	OM cost
Bridgeport West	5	1	0.854	1,142,604	783,055	high	872,943	1,580,220	952,650
Fairfield	5	1	0.854	354,477	242,932	high	270,818	809,182	295,650
Westport	5	1	0.854	85,689	58,725	high	65,217	292,341	73,873
Greenwich	6	1	1	538,448	369,012	high	411,371	653,884	377,565
New Canaan	6	1	1	74,022	50,729	high	56,552	151,211	49,275
Norwalk	6	1	1	689,814	472,747	high	527,013	1,144,297	492,750
Ridgefield	6	1	1	50,991	34,945	low	38,956	21,796	24,638
Stamford	6	1	1	868,007	594,867	high	663,152	1,329,564	615,583
Totals				10,407,396	7,132,450		7,911,489	\$ 47,769,236	\$ 15,325,910
				cap	normalized final discharge				
				3,274,946	2,495,906				
capitla upgrades									
high			72						
low			2						
* cases where 60% reduction is infeasible (6 cases)									

Appendix H:	
Uniform 60% reduction r	
Plant	total annual costs
Groton City	\$ 363,057
Groton Town	1,698,304
Ledyard	355,932
Montville	272,124
New London	1,235,207
Norwich	1,023,625
Stonington-Borough	314,449
Stonington-Mystic	225,911
Griswold/Jewett City	74,682
Sprague	183,988
Stonington-Pawcatuck	213,747
Killingly	670,374
Plainfield North	287,098
Plainfield Village	281,469
Putnam	417,838
Stafford	746,436
UConn	1,049,493
Windham	893,933
East Hampton	347,325
Glastonbury	427,105
Hartford	6,766,151
Mattabassett	2,615,638
Portland	460,679
Rocky Hill	908,157
East Hartford	1,173,178
East Windsor	1,081,693
Enfield	952,123
Manchester	952,760
South Windsor	437,591
Suffield	352,056
Vernon	750,758
Windsor	539,975
Windsor Locks	365,616

Appendix H:	
Uniform 60% reduction r	
Plant	total annual costs
Bristol	1,173,178
Canton	151,669
Farmington	750,548
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Simsbury	728,388
Winchester	411,416
Branford	687,279
New Haven	3,362,837
North Haven	529,276
Wallingford	871,167
West Haven	1,038,440
Cheshire	385,326
Meriden	1,252,091
Southington	773,806
Ansonia	403,932
Beacon Falls	141,184
Derby	507,904
Milford Beaver Br.	359,644
Milford Housatonic	837,969
Seymour	1,360,670
Shelton	782,065
Stratford	1,236,095
Danbury	1,223,157
Naugatuck	1,046,719
New Milford	149,620
Thomaston	159,206
Torrington	665,873
Waterbury	2,325,339
Litchfield	460,127
Norfolk	185,867
Salisbury	190,374
Sharon	88,207
Bridgeport East	1,252,558

Appendix H:	
Uniform 60% reduction r	
Plant	total annual costs
Bridgeport West	2,532,870
Fairfield	1,104,832
Westport	366,214
Greenwich	1,031,449
New Canaan	200,486
Norwalk	1,637,047
Ridgefield	46,434
Stamford	1,945,147
Totals	\$ 63,095,146
captial upgrades	
high	
low	
* cases where 60% redu	

Appendix I:									
Administrative waste load reallocation									
70 % reduction requirement (2.456 million pound cap)									
				End of Pipe N Loads		Normalized N Load			
			Capital	Baseline	Final	Baseline	REDUCTION	Final	Annual
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge	Capital
									Cost
Groton City	1	1	LOW	109,135	51,731	19,863	10,448	9,415	\$ 65,388
Groton Town	1	1	LOW	154,067	83,710	28,040	12,805	15,235	\$ 1,046,215
Ledyard	1	1	NONE	8,395	8,395	1,528	0	1,528	\$ -
Montville	1	1	HIGH	53,728	17,576	9,778	6,580	3,199	\$ 217,961
New London	1	1	HIGH	280,211	89,620	50,998	34,687	16,311	\$ 959,030
Norwich	1	1	LOW	403,581	155,089	73,452	45,225	28,226	\$ 217,961
Stonington- Borough	1	1	NONE	10,403	10,403	1,893	0	1,893	\$ -
Stonington-Mystic	1	1	NONE	27,959	27,959	5,089	0	5,089	\$ -
Griswold/Jewett City	1	2	LOW	30,149	9,570	4,389	2,996	1,393	\$ 19,072
Sprague	1	2	NONE	9,855	9,861	1,434	0	1,435	\$ -
Stonington-Pawcatuck	1	2	LOW	18,104	11,414	2,635	974	1,661	\$ 87,185
Killingly	1	3	NONE	143,117	134,571	13,336	796	12,540	\$ -
Plainfield North	1	3	NONE	36,756	35,384	3,425	128	3,297	\$ -
Plainfield Village	1	3	NONE	32,339	32,339	3,013	0	3,013	\$ -
Putnam	1	3	NONE	78,950	61,401	7,357	1,635	5,722	\$ -
Stafford	1	3	NONE	73,475	63,550	8,558	1,156	7,402	\$ -
UConn	1	3	NONE	63,875	60,838	7,440	354	7,086	\$ -
Windham	1	3	LOW	140,379	70,918	16,351	8,091	8,261	\$ 435,923
East Hampton	2	2	LOW	52,633	27,375	9,179	4,405	4,774	\$ 65,388
Glastonbury	2	2	LOW	103,624	50,861	18,072	9,202	8,870	\$ 108,981
Hartford	2	2	HIGH	3,520,279	639,596	613,937	502,391	111,546	\$ 4,795,151
Mattabassett	2	2	HIGH	1,268,302	318,314	221,192	165,678	55,514	\$ 1,634,710
Portland	2	2	NONE	35,624	32,133	6,213	609	5,604	\$ -
Rocky Hill	2	2	HIGH	361,898	75,882	63,115	49,881	13,234	\$ 674,318
East Hartford	2	3	HIGH	632,217	111,929	88,207	72,590	15,616	\$ 828,253
East Windsor	2	3	NONE	61,430	46,051	8,571	2,146	6,425	\$ -
Enfield	2	3	LOW	269,224	136,976	37,562	18,451	19,111	\$ 174,369
Manchester	2	3	LOW	320,215	165,681	44,676	21,561	23,116	\$ 174,369
South Windsor	2	3	LOW	119,538	57,666	16,678	8,632	8,046	\$ 108,981
Suffield	2	3	LOW	52,633	30,445	7,343	3,096	4,248	\$ 174,369

Appendix I:									
Administrative waste load reallocation									
70 % reduction requirement (2.456 million pound cap)									
				End of Pipe N Loads		Normalized N Load			
			Capital	Baseline	Final	Baseline	REDUCTION	Final	Annual
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge	Capital
									Cost
Vernon	2	3	LOW	250,573	113,797	34,960	19,083	15,877	\$ 174,369
Windsor	2	3	LOW	128,298	58,689	17,900	9,712	8,188	\$ 136,226
Windsor Locks	2	3	LOW	87,746	39,246	12,242	6,767	5,476	\$ 87,185
Bristol	2	4	LOW	590,023	223,859	65,856	40,870	24,986	\$ 261,554
Canton	2	4	LOW	27,412	13,559	3,060	1,546	1,513	\$ 43,592
Farmington	2	4	LOW	177,646	91,027	19,828	9,668	10,160	\$ 174,369
Plymouth	2	4	LOW	51,538	25,123	5,752	2,948	2,804	\$ 87,185
Simsbury	2	4	NONE	98,149	98,149	10,955	0	10,955	\$ -
Winchester	2	4	LOW	93,769	40,678	10,466	5,926	4,540	\$ 130,777
Branford	3	1	HIGH	143,664	47,970	85,480	56,938	28,542	\$ 539,454
New Haven	3	1	HIGH	2,123,132	426,398	1,263,264	1,009,557	253,707	\$ 2,048,837
North Haven	3	1	HIGH	197,392	44,439	117,448	91,007	26,441	\$ 392,331
Wallingford	3	1	HIGH	333,391	70,509	198,368	156,415	41,953	\$ 653,884
West Haven	3	1	HIGH	428,802	102,156	255,137	194,354	60,783	\$ 723,632
Cheshire	3	2	HIGH	113,515	26,019	54,033	41,648	12,385	\$ 305,146
Meriden	3	2	HIGH	544,507	123,391	259,185	200,451	58,734	\$ 871,846
Southington	3	2	HIGH	242,908	53,061	115,624	90,367	25,257	\$ 610,292
Ansonia	4	1	HIGH	146,402	32,057	98,235	76,725	21,510	\$ 305,146
Beacon Falls	4	1	HIGH	10,403	3,377	6,980	4,714	2,266	\$ 130,777
Derby	4	1	HIGH	95,411	23,358	64,021	48,348	15,673	\$ 435,923
Milford Beaver Br.	4	1	HIGH	111,325	26,172	74,699	57,137	17,562	\$ 278,991
Milford Housatonic	4	1	HIGH	350,400	79,540	235,118	181,747	53,371	\$ 592,855
Seymour	4	1	HIGH	88,841	17,167	59,612	48,093	11,519	\$ 1,307,768
Shelton	4	1	HIGH	111,873	27,449	75,066	56,648	18,419	\$ 697,476
Stratford	4	1	HIGH	417,816	116,432	280,354	202,228	78,126	\$ 877,295
Danbury	4	2	HIGH	434,277	114,002	104,904	77,366	27,538	\$ 871,846
Naugatuck	4	2	HIGH	365,183	70,893	196,030	157,975	38,055	\$ 828,253
New Milford	4	2	HIGH	24,127	6,115	5,828	4,351	1,477	\$ 130,777
Thomaston	4	2	HIGH	60,335	12,408	32,388	25,727	6,661	\$ 120,969
Torrington	4	2	HIGH	353,138	74,620	189,564	149,508	40,056	\$ 435,923

Appendix I:									
Administrative waste load reallocation									
70 % reduction requirement (2.456 million pound cap)									
				End of Pipe N Loads		Normalized N Load			
			Capital	Baseline	Final	Baseline	REDUCTION	Final	Annual
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge	Capital
									Cost
Waterbury	4	2	HIGH	1,289,144	277,158	692,012	543,234	148,779	\$ 1,471,239
Litchfield	4	3	NONE	33,434	33,434	3,634	0	3,634	\$ -
Norfolk	4	3	NONE	19,199	19,199	2,087	0	2,087	\$ -
Salisbury	4	3	NONE	20,294	20,294	2,206	0	2,206	\$ -
Sharon	4	3	LOW	86,104	1,492	9,360	9,197	162	\$ 87,185
Bridgeport East	5	1	HIGH	642,108	109,397	548,360	454,936	93,425	\$ 915,438
Bridgeport West	5	1	HIGH	1,337,944	309,138	1,142,604	878,600	264,004	\$ 1,580,220
Fairfield	5	1	HIGH	415,078	95,939	354,477	272,544	81,932	\$ 809,182
Westport	5	1	HIGH	100,339	23,972	85,689	65,217	20,472	\$ 292,341
Greenwich	6	1	HIGH	538,448	122,521	538,448	415,927	122,521	\$ 653,884
New Canaan	6	1	HIGH	74,022	15,990	74,022	58,032	15,990	\$ 151,211
Norwalk	6	1	HIGH	689,814	159,899	689,814	529,914	159,899	\$ 1,144,297
Ridgefield	6	1	HIGH	50,991	7,995	50,991	42,996	7,995	\$ 21,796
Stamford	6	1	HIGH	868,007	199,759	868,007	668,248	199,759	\$ 1,329,564
TOTALS				22,838,999	6,225,088	10,407,393	7,951,185	2,456,210	\$34,498,657

Appendix I:		
Administrative waste lo		
70 % reduction require		
	Annual	Total
	O&M	Annual
Plant	Costs	Costs
Groton City	\$ 35,425	\$ 100,814
Groton Town	\$ 57,325	\$ 1,103,540
Ledyard	\$ -	\$ -
Montville	\$ 54,163	\$ 272,124
New London	\$ 276,177	\$ 1,235,207
Norwich	\$ 106,206	\$ 324,168
Stonington- Borough	\$ -	\$ -
Stonington-Mystic	\$ -	\$ -
Griswold/Jewett City	\$ 6,552	\$ 25,624
Sprague	\$ -	\$ -
Stonington-Pawcatuck	\$ 7,814	\$ 94,998
Killingly	\$ 20,000	\$ 20,000
Plainfield North	\$ 3,810	\$ 3,810
Plainfield Village	\$ -	\$ -
Putnam	\$ 10,000	\$ 10,000
Stafford	\$ 10,000	\$ 10,000
UConn	\$ 10,000	\$ 10,000
Windham	\$ 48,565	\$ 484,488
East Hampton	\$ 18,746	\$ 84,135
Glastonbury	\$ 34,830	\$ 143,810
Hartford	\$ 1,971,000	\$ 6,766,151
Mattabassett	\$ 980,927	\$ 2,615,638
Portland	\$ 10,000	\$ 10,000
Rocky Hill	\$ 233,839	\$ 908,157
East Hartford	\$ 344,925	\$ 1,173,178
East Windsor	\$ 10,000	\$ 10,000
Enfield	\$ 93,802	\$ 268,171
Manchester	\$ 113,460	\$ 287,829
South Windsor	\$ 39,490	\$ 148,471
Suffield	\$ 20,849	\$ 195,218

Appendix I:		
Administrative waste lo		
70 % reduction require		
	Annual	Total
	O&M	Annual
Plant	Costs	Costs
Vernon	\$ 77,929	\$ 252,298
Windsor	\$ 40,191	\$ 176,417
Windsor Locks	\$ 26,876	\$ 114,060
Bristol	\$ 153,300	\$ 414,854
Canton	\$ 9,286	\$ 52,878
Farmington	\$ 62,336	\$ 236,705
Plymouth	\$ 17,205	\$ 104,389
Simsbury	\$ -	\$ -
Winchester	\$ 27,857	\$ 158,634
Branford	\$ 147,825	\$ 687,279
New Haven	\$ 1,314,000	\$ 3,362,837
North Haven	\$ 136,945	\$ 529,276
Wallingford	\$ 217,283	\$ 871,167
West Haven	\$ 314,808	\$ 1,038,440
Cheshire	\$ 80,180	\$ 385,326
Meriden	\$ 380,245	\$ 1,252,091
Southington	\$ 163,514	\$ 773,806
Ansonia	\$ 98,787	\$ 403,932
Beacon Falls	\$ 10,407	\$ 141,184
Derby	\$ 71,981	\$ 507,904
Milford Beaver Br.	\$ 80,653	\$ 359,644
Milford Housatonic	\$ 245,114	\$ 837,969
Seymour	\$ 52,902	\$ 1,360,670
Shelton	\$ 84,589	\$ 782,065
Stratford	\$ 358,801	\$ 1,236,095
Danbury	\$ 351,311	\$ 1,223,157
Naugatuck	\$ 218,466	\$ 1,046,719
New Milford	\$ 18,843	\$ 149,620
Thomaston	\$ 38,237	\$ 159,206
Torrington	\$ 229,950	\$ 665,873

Appendix I:		
Administrative waste lo		
70 % reduction require		
	Annual	Total
	O&M	Annual
Plant	Costs	Costs
Waterbury	\$ 854,100	\$ 2,325,339
Litchfield	\$ -	\$ -
Norfolk	\$ -	\$ -
Salisbury	\$ -	\$ -
Sharon	\$ 1,022	\$ 88,207
Bridgeport East	\$ 337,120	\$ 1,252,558
Bridgeport West	\$ 952,650	\$ 2,532,870
Fairfield	\$ 295,650	\$ 1,104,832
Westport	\$ 73,873	\$ 366,214
Greenwich	\$ 377,565	\$ 1,031,449
New Canaan	\$ 49,275	\$ 200,486
Norwalk	\$ 492,750	\$ 1,637,047
Ridgefield	\$ 24,638	\$ 46,434
Stamford	\$ 615,583	\$ 1,945,147
TOTALS	\$ 13,621,951	\$ 48,120,608

Appendix J:								
Administrative waste load reallocation								
60% reduction requirement								
			End of Pipe N Loads			Normalized N Load		
			Capital	Baseline	Final	Baseline	Reduction	Final
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge
Groton City	1	1	LOW	109,135	51,731	19,863	10,448	9,415
Groton Town	1	1	LOW	154,067	83,710	28,040	12,805	15,235
Ledyard	1	1	NONE	8,395	8,395	1,528	0	1,528
Montville	1	1	LOW	53,728	17,576	9,778	3,381	3,199
New London	1	1	LOW	280,211	89,620	50,998	18,377	16,311
Norwich	1	1	LOW	403,581	155,089	73,452	45,225	28,226
Stonington- Borough	1	1	NONE	10,403	10,403	1,893	0	1,893
Stonington-Mystic	1	1	NONE	27,959	27,959	5,089	0	5,089
Griswold/Jewett City	1	2	LOW	30,149	9,568	4,389	2,997	1,393
Sprague	1	2	NONE	9,855	9,855	1,434	0	1,435
Stonington-Pawcatuck	1	2	LOW	18,104	11,410	2,635	975	1,661
Killingly	1	3	NONE	143,117	134,571	13,336	0	12,540
Plainfield North	1	3	NONE	36,756	35,384	3,425	0	3,297
Plainfield Village	1	3	NONE	32,339	32,339	3,013	0	3,013
Putnam	1	3	NONE	78,950	61,401	7,357	1,635	5,722
Stafford	1	3	NONE	73,475	63,550	8,558	1,156	7,402
UConn	1	3	NONE	63,875	60,838	7,440	0	7,086
Windham	1	3	LOW	140,379	70,918	16,351	8,091	8,261
East Hampton	2	2	LOW	52,633	27,375	9,179	4,405	4,774
Glastonbury	2	2	NONE	103,624	50,861	18,072	0	8,870
Hartford	2	2	LOW	3,520,279	639,596	613,937	390,846	111,546
Mattabassett	2	2	LOW	1,268,302	318,314	221,192	110,164	55,514
Portland	2	2	NONE	35,624	32,133	6,213	0	5,604
Rocky Hill	2	2	LOW	361,898	75,882	63,115	36,647	13,234
East Hartford	2	3	LOW	632,217	111,929	88,207	56,974	15,616
East Windsor	2	3	NONE	61,430	46,051	8,571	2,146	6,425
Enfield	2	3	LOW	269,224	136,976	37,562	18,451	19,111
Manchester	2	3	LOW	320,215	165,681	44,676	21,561	23,116

Appendix J:								
Administrative waste load reallocation								
60% reduction requirement								
			End of Pipe N Loads			Normalized N Load		
			Capital	Baseline	Final	Baseline	Reduction	Final
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge
South Windsor	2	3	NONE	119,538	57,666	16,678	0	8,046
Suffield	2	3	LOW	52,633	30,445	7,343	3,096	4,248
Vernon	2	3	NONE	250,573	113,797	34,960	3,206	15,877
Windsor	2	3	NONE	128,298	58,689	17,900	28	8,188
Windsor Locks	2	3	NONE	87,746	39,246	12,242	1,291	5,476
Bristol	2	4	NONE	590,023	223,859	65,856	15,884	24,986
Canton	2	4	NONE	27,412	13,559	3,060	0	1,513
Farmington	2	4	LOW	177,646	91,027	19,828	9,668	10,160
Plymouth	2	4	NONE	51,538	25,123	5,752	0	2,804
Simsbury	2	4	NONE	98,149	98,149	10,955	0	10,955
Winchester	2	4	LOW	93,769	40,678	10,466	0	4,540
Branford	3	1	LOW	143,664	47,970	85,480	28,396	28,542
New Haven	3	1	HIGH	2,123,132	426,398	1,263,264	1,009,557	253,707
North Haven	3	1	LOW	197,392	44,439	117,448	64,566	26,441
Wallingford	3	1	LOW	333,391	70,509	198,368	114,462	41,953
West Haven	3	1	LOW	428,802	102,156	255,137	133,571	60,783
Cheshire	3	2	LOW	113,515	26,019	54,033	29,263	12,385
Meriden	3	2	LOW	544,507	123,391	259,185	141,717	58,734
Southington	3	2	LOW	242,908	53,061	115,624	65,110	25,257
Ansonia	4	1	NONE	146,402	32,057	98,235	55,215	21,510
Beacon Falls	4	1	NONE	10,403	3,377	6,980	0	2,266
Derby	4	1	LOW	95,411	23,358	64,021	32,674	15,673
Milford Beaver Br.	4	1	LOW	111,325	26,172	74,699	39,576	17,562
Milford Housatonic	4	1	HIGH	350,400	79,540	235,118	181,747	53,371
Seymour	4	1	NONE	88,841	17,167	59,612	13,537	11,519
Shelton	4	1	NONE	111,873	27,449	75,066	1,392	18,419
Stratford	4	1	HIGH	417,816	116,432	280,354	202,228	78,126
Danbury	4	2	LOW	434,277	114,002	104,904	49,827	27,538
Naugatuck	4	2	LOW	365,183	70,893	196,030	119,919	38,055
New Milford	4	2	LOW	24,127	6,115	5,828	2,874	1,477

Appendix J:								
Administrative waste load reallocation								
60% reduction requirement								
			End of Pipe N Loads			Normalized N Load		
			Capital	Baseline	Final	Baseline	Reduction	Final
Plant	Zone	Tier	Upgrade	Discharge	Discharge	Discharge		Discharge
Thomaston	4	2	LOW	60,335	12,408	32,388	19,066	6,661
Torrington	4	2	LOW	353,138	74,620	189,564	109,453	40,056
Waterbury	4	2	HIGH	1,289,144	277,158	692,012	543,234	148,779
Litchfield	4	3	NONE	33,434	33,434	3,634	0	3,634
Norfolk	4	3	NONE	19,199	19,199	2,087	0	2,087
Salisbury	4	3	NONE	20,294	20,294	2,206	0	2,206
Sharon	4	3	LOW	86,104	1,492	9,360	9,197	162
Bridgeport East	5	1	HIGH	642,108	109,397	548,360	454,936	93,425
Bridgeport West	5	1	HIGH	1,337,944	309,138	1,142,604	878,600	264,004
Fairfield	5	1	HIGH	415,078	95,939	354,477	272,544	81,932
Westport	5	1	HIGH	100,339	23,972	85,689	65,217	20,472
Greenwich	6	1	HIGH	538,448	122,521	538,448	415,927	122,521
New Canaan	6	1	HIGH	74,022	15,990	74,022	58,032	15,990
Norwalk	6	1	HIGH	689,814	159,899	689,814	529,914	159,899
Ridgefield	6	1	HIGH	50,991	7,995	50,991	42,996	7,995
Stamford	6	1	HIGH	868,007	199,759	868,007	668,248	199,759
TOTALS				22,838,999	6,225,076	10,407,393	7,132,450	2,456,210

Appendix J:			
Administrative waste lo			
60% reduction requiren			
	Nitrogen Control Costs		
	Annual	Annual	Total
	Capital	O&M	Annual
Plant	Cost	Costs	Costs
Groton City	\$ 65,388	\$ 35,425	\$ 100,814
Groton Town	\$ 1,046,215	\$ 57,325	\$ 1,103,540
Ledyard	\$ -	\$ -	\$ -
Montville	\$ 217,961	\$ 24,072	\$ 242,034
New London	\$ 305,146	\$ 122,745	\$ 427,891
Norwich	\$ 217,961	\$ 106,206	\$ 324,168
Stonington- Borough	\$ -	\$ -	\$ -
Stonington-Mystic	\$ -	\$ -	\$ -
Griswold/Jewett City	\$ 19,072	\$ 6,552	\$ 25,624
Sprague	\$ -	\$ -	\$ -
Stonington-Pawcatuck	\$ 87,185	\$ 7,814	\$ 94,998
Killingly	\$ -	\$ -	\$ -
Plainfield North	\$ -	\$ -	\$ -
Plainfield Village	\$ -	\$ -	\$ -
Putnam	\$ -	\$ 10,000	\$ 10,000
Stafford	\$ -	\$ 10,000	\$ 10,000
UConn	\$ -	\$ -	\$ -
Windham	\$ 435,923	\$ 48,565	\$ 484,488
East Hampton	\$ 65,388	\$ 18,746	\$ 84,135
Glastonbury	\$ -	\$ -	\$ -
Hartford	\$ 1,307,768	\$ 876,000	\$ 2,183,768
Mattabassett	\$ 653,884	\$ 435,968	\$ 1,089,852
Portland	\$ -	\$ -	\$ -
Rocky Hill	\$ 204,339	\$ 103,929	\$ 308,267
East Hartford	\$ 261,554	\$ 153,300	\$ 414,854
East Windsor	\$ -	\$ 10,000	\$ 10,000
Enfield	\$ 174,369	\$ 93,802	\$ 268,171
Manchester	\$ 174,369	\$ 113,460	\$ 287,829

Appendix J:			
Administrative waste lo			
60% reduction requiren			
	Nitrogen Control Costs		
	Annual	Annual	Total
	Capital	O&M	Annual
Plant	Cost	Costs	Costs
South Windsor	\$ -	\$ -	\$ -
Suffield	\$ 174,369	\$ 20,849	\$ 195,218
Vernon	\$ -	\$ 20,000	\$ 20,000
Windsor	\$ -	\$ 363	\$ 363
Windsor Locks	\$ -	\$ 10,000	\$ 10,000
Bristol	\$ -	\$ 20,000	\$ 20,000
Canton	\$ -	\$ -	\$ -
Farmington	\$ 174,369	\$ 62,336	\$ 236,705
Plymouth	\$ -	\$ -	\$ -
Simsbury	\$ -	\$ -	\$ -
Winchester	\$ 130,777	\$ 27,857	\$ 158,634
Branford	\$ 163,471	\$ 65,700	\$ 229,171
New Haven	\$ 2,048,837	\$ 1,314,000	\$ 3,362,837
North Haven	\$ 87,185	\$ 60,864	\$ 148,049
Wallingford	\$ 130,777	\$ 96,570	\$ 227,347
West Haven	\$ 69,748	\$ 139,915	\$ 209,662
Cheshire	\$ 87,185	\$ 35,636	\$ 122,820
Meriden	\$ 261,554	\$ 168,998	\$ 430,552
Southington	\$ 174,369	\$ 72,673	\$ 247,042
Ansonia	\$ -	\$ -	\$ -
Beacon Falls	\$ -	\$ -	\$ -
Derby	\$ 217,961	\$ 31,992	\$ 249,953
Milford Beaver Br.	\$ 104,621	\$ 35,846	\$ 140,467
Milford Housatonic	\$ 592,855	\$ 245,114	\$ 837,969
Seymour	\$ -	\$ 10,000	\$ 10,000
Shelton	\$ -	\$ 10,000	\$ 10,000
Stratford	\$ 877,295	\$ 358,801	\$ 1,236,095
Danbury	\$ 217,961	\$ 156,138	\$ 374,100
Naugatuck	\$ 261,554	\$ 97,096	\$ 358,650
New Milford	\$ 43,592	\$ 8,375	\$ 51,967

Appendix J:			
Administrative waste lo			
60% reduction requiren			
	Nitrogen Control Costs		
	Annual	Annual	Total
	Capital	O&M	Annual
Plant	Cost	Costs	Costs
Thomaston	\$ 39,233	\$ 16,994	\$ 56,227
Torrington	\$ -	\$ 102,200	\$ 102,200
Waterbury	\$ 1,471,239	\$ 854,100	\$ 2,325,339
Litchfield	\$ -	\$ -	\$ -
Norfolk	\$ -	\$ -	\$ -
Salisbury	\$ -	\$ -	\$ -
Sharon	\$ 87,185	\$ 1,022	\$ 88,207
Bridgeport East	\$ 915,438	\$ 337,120	\$ 1,252,558
Bridgeport West	\$ 1,580,220	\$ 952,650	\$ 2,532,870
Fairfield	\$ 809,182	\$ 295,650	\$ 1,104,832
Westport	\$ 292,341	\$ 73,873	\$ 366,214
Greenwich	\$ 653,884	\$ 377,565	\$ 1,031,449
New Canaan	\$ 151,211	\$ 49,275	\$ 200,486
Norwalk	\$ 1,144,297	\$ 492,750	\$ 1,637,047
Ridgefield	\$ 21,796	\$ 24,638	\$ 46,434
Stamford	\$ 1,329,564	\$ 615,583	\$ 1,945,147
TOTALS	\$19,550,592	\$ 9,496,451	\$ 29,047,043

Appendix K:									
Effluent allowance trading									
70 % reduction requirement									
				Baseline					
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discha	Initial allowar	Capital costs	OM costs
Groton City	1	1	LOW	19,863	11,793	8,070	4,688	65,388	38,968
Groton Town	1	1	NONE	28,040	1,922	26,118	6,618	-	22,000
Ledyard	1	1	NONE	1,528	-	1,528	361	-	-
Montville	1	1	HIGH	9,778	7,037	2,742	2,308	217,961	59,579
New London	1	1	LOW	50,998	23,037	27,962	12,036	305,146	135,020
Norwich	1	1	LOW	73,452	49,258	24,194	17,335	217,961	116,827
Stonington- Borough	1	1	NONE	1,893	-	1,893	447	-	-
Stonington-Mystic	1	1	NONE	5,089	-	5,089	1,201	-	-
Griswold/Jewett City	1	2	LOW	4,389	3,196	1,193	1,036	19,072	7,208
Sprague	1	2	NONE	1,434	-	1,434	338	-	-
Stonington-Pawcatuck	1	2	LOW	2,635	1,212	1,423	622	87,185	8,595
Killingly	1	3	NONE	13,336	2,588	10,748	3,147	-	22,000
Plainfield North	1	3	NONE	3,425	777	2,648	808	-	11,000
Plainfield Village	1	3	NONE	3,013	-	3,013	711	-	-
Putnam	1	3	NONE	7,357	2,453	4,904	1,736	-	11,000
Stafford	1	3	NONE	8,558	2,213	6,345	2,020	-	11,000
UConn	1	3	NONE	7,440	1,366	6,074	1,756	-	11,000
Windham	1	3	NONE	16,351	2,190	14,161	3,859	-	22,000
East Hampton	2	2	LOW	9,179	5,087	4,092	2,166	65,388	20,621
Glastonbury	2	2	LOW	18,072	10,469	7,603	4,265	108,981	38,313
Hartford	2	2	LOW	613,937	422,716	191,221	144,893	1,307,768	963,600
Mattabassett	2	2	LOW	221,192	126,025	95,167	52,203	653,884	479,564
Portland	2	2	NONE	6,213	1,409	4,803	1,466	-	11,000
Rocky Hill	2	2	LOW	63,115	40,428	22,686	14,896	204,339	114,322
East Hartford	2	3	LOW	88,207	61,436	26,771	20,817	261,554	168,630
East Windsor	2	3	NONE	8,571	3,063	5,507	2,023	-	11,000
Enfield	2	3	LOW	37,562	21,181	16,381	8,865	174,369	103,182
Manchester	2	3	LOW	44,676	24,863	19,814	10,544	174,369	124,805
South Windsor	2	3	LOW	16,678	9,782	6,896	3,936	108,981	43,439
Suffield	2	3	NONE	7,343	-	7,343	1,733	-	-
Vernon	2	3	LOW	34,960	21,351	13,609	8,251	174,369	85,722

Appendix K:									
Effluent allowance trading									
70 % reduction requirement									
				Baseline					
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discha	Initial allowar	Capital costs	OM costs
Windsor	2	3	NONE	17,900	3,863	14,037	4,225	-	22,000
Windsor Locks	2	3	NONE	12,242	2,856	9,387	2,889	-	11,000
Bristol	2	4	LOW	65,856	44,439	21,417	15,542	261,554	168,630
Canton	2	4	NONE	3,060	-	3,060	722	-	-
Farmington	2	4	NONE	19,828	2,411	17,417	4,680	-	22,000
Plymouth	2	4	NONE	5,752	945	4,807	1,358	-	11,000
Simsbury	2	4	NONE	10,955	1,703	9,252	2,585	-	11,000
Winchester	2	4	NONE	10,466	2,683	7,783	2,470	-	22,000
Branford	3	1	HIGH	85,480	61,016	24,465	20,174	539,454	162,608
New Haven	3	1	HIGH	1,263,264	1,045,801	217,463	298,138	2,048,837	1,445,400
North Haven	3	1	HIGH	117,448	94,784	22,664	27,719	392,331	150,640
Wallingford	3	1	HIGH	198,368	162,408	35,960	46,816	653,884	239,011
West Haven	3	1	HIGH	255,137	203,038	52,100	60,214	723,632	346,289
Cheshire	3	2	LOW	54,033	32,802	21,231	12,752	87,185	39,199
Meriden	3	2	HIGH	259,185	208,842	50,344	61,169	871,846	418,270
Southington	3	2	LOW	115,624	72,326	43,298	27,288	174,369	79,940
Ansonia	4	1	HIGH	98,235	79,798	18,437	23,184	305,146	108,665
Beacon Falls	4	1	LOW	6,980	3,095	3,885	1,647	43,592	5,088
Derby	4	1	HIGH	64,021	50,587	13,434	15,109	435,923	79,179
Milford Beaver Br.	4	1	HIGH	74,699	59,646	15,053	17,629	278,991	88,719
Milford Housatonic	4	1	HIGH	235,118	189,371	45,747	55,489	592,855	269,625
Seymour	4	1	NONE	59,612	20,119	39,493	14,069	-	11,000
Shelton	4	1	HIGH	75,066	59,279	15,787	17,716	697,476	93,048
Stratford	4	1	HIGH	280,354	213,389	66,965	66,165	877,295	394,681
Danbury	4	2	LOW	104,904	57,696	47,208	24,758	217,961	171,752
Naugatuck	4	2	LOW	196,030	130,792	65,238	46,264	261,554	106,805
New Milford	4	2	NONE	5,828	616	5,212	1,375	-	8,870
Thomaston	4	2	HIGH	32,388	26,678	5,709	7,644	120,969	42,061
Torrington	4	2	HIGH	189,564	155,231	34,334	44,738	435,923	252,945
Waterbury	4	2	HIGH	692,012	564,488	127,525	163,319	1,471,239	939,510
Litchfield	4	3	NONE	3,634	-	3,634	858	-	-

Appendix K:									
Effluent allowance trading									
70 % reduction requirement									
				Baseline					
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discha	Initial allowar	Capital costs	OM costs
Norfolk	4	3	NONE	2,087	-	2,087	493	-	-
Salisbury	4	3	NONE	2,206	-	2,206	521	-	-
Sharon	4	3	LOW	9,360	9,221	139	2,209	87,185	1,124
Bridgeport East	5	1	HIGH	548,360	468,282	80,078	129,416	915,438	370,832
Bridgeport West	5	1	HIGH	1,142,604	916,315	226,289	269,662	1,580,220	1,047,915
Fairfield	5	1	HIGH	354,477	284,249	70,228	83,659	809,182	325,215
Westport	5	1	HIGH	85,689	68,142	17,548	20,223	292,341	81,260
Greenwich	6	1	HIGH	538,448	433,430	105,018	127,077	653,884	415,321
New Canaan	6	1	HIGH	74,022	60,316	13,706	17,470	151,211	54,203
Norwalk	6	1	HIGH	689,814	552,757	137,056	162,800	1,144,297	542,025
Ridgefield	6	1	HIGH	50,991	44,138	6,853	12,034	21,796	27,101
Stamford	6	1	HIGH	868,007	696,785	171,222	204,855	1,329,564	677,141
TOTALS				10,407,393	7,941,186	2,466,207	2,456,209	22,623,848	11,903,467

Appendix K:			
Effluent allowance trading			
70 % reduction requireme			
Plant	total costs	Excess allow	Status
Groton City	104,356	(3,382.28)	Buyer
Groton Town	22,000	(19,500.00)	Buyer
Ledyard	-	(1,167.30)	Buyer
Montville	277,541	(434.09)	Buyer
New London	440,166	(15,925.60)	Buyer
Norwich	334,788	(6,858.89)	Buyer
Stonington- Borough	-	(1,446.44)	Buyer
Stonington-Mystic	-	(3,887.61)	Buyer
Griswold/Jewett City	26,279	(157.61)	Buyer
Sprague	-	(1,095.57)	Buyer
Stonington-Pawcatuck	95,780	(801.20)	Buyer
Killingly	22,000	(7,601.04)	Buyer
Plainfield North	11,000	(1,839.96)	Buyer
Plainfield Village	-	(2,302.28)	Buyer
Putnam	11,000	(3,167.98)	Buyer
Stafford	11,000	(4,325.05)	Buyer
UConn	11,000	(4,318.18)	Buyer
Windham	22,000	(10,301.98)	Buyer
East Hampton	86,009	(1,925.78)	Buyer
Glastonbury	147,293	(3,337.86)	Buyer
Hartford	2,271,368	(46,328.22)	Buyer
Mattabassett	1,133,449	(42,964.22)	Buyer
Portland	11,000	(3,337.21)	Buyer
Rocky Hill	318,660	(7,790.95)	Buyer
East Hartford	430,184	(5,953.59)	Buyer
East Windsor	11,000	(3,484.44)	Buyer
Enfield	277,551	(7,515.87)	Buyer
Manchester	299,175	(9,269.67)	Buyer
South Windsor	152,420	(2,960.11)	Buyer
Suffield	-	(5,610.28)	Buyer
Vernon	260,091	(5,358.07)	Buyer

Appendix K:			
Effluent allowance trading			
70 % reduction requireme			
Plant	total costs	Excess allow	Status
Windsor	22,000	(9,812.63)	Buyer
Windsor Locks	11,000	(6,497.39)	Buyer
Bristol	430,184	(5,874.34)	Buyer
Canton	-	(2,337.49)	Buyer
Farmington	22,000	(12,737.78)	Buyer
Plymouth	11,000	(3,449.53)	Buyer
Simsbury	11,000	(6,666.60)	Buyer
Winchester	22,000	(5,313.41)	Buyer
Branford	702,062	(4,290.73)	Buyer
New Haven	3,494,237	80,675.44	Seller
North Haven	542,970	5,054.54	Seller
Wallingford	892,896	10,856.34	Seller
West Haven	1,069,921	8,114.26	Seller
Cheshire	126,384	(8,479.17)	Buyer
Meriden	1,290,115	10,825.80	Seller
Southington	254,309	(16,009.73)	Buyer
Ansonia	413,811	4,747.06	Seller
Beacon Falls	48,680	(2,237.25)	Buyer
Derby	515,102	1,675.08	Seller
Milford Beaver Br.	367,709	2,576.64	Seller
Milford Housatonic	862,480	9,742.39	Seller
Seymour	11,000	(25,424.50)	Buyer
Shelton	790,524	1,928.85	Seller
Stratford	1,271,976	(799.78)	Buyer
Danbury	389,713	(22,450.43)	Buyer
Naugatuck	368,359	(18,973.39)	Buyer
New Milford	8,870	(3,836.59)	Buyer
Thomaston	163,030	1,934.48	Seller
Torrington	688,868	10,404.81	Seller
Waterbury	2,410,749	35,794.62	Seller
Litchfield	-	(2,776.62)	Buyer

Appendix K:			
Effluent allowance trading			
70 % reduction requireme			
Plant	total costs	Excess allow	Status
Norfolk	-	(1,594.43)	Buyer
Salisbury	-	(1,685.37)	Buyer
Sharon	88,309	2,069.88	Seller
Bridgeport East	1,286,270	49,338.16	Seller
Bridgeport West	2,628,135	43,372.45	Seller
Fairfield	1,134,397	13,430.95	Seller
Westport	373,601	2,675.59	Seller
Greenwich	1,069,205	22,058.95	Seller
New Canaan	205,413	3,764.01	Seller
Norwalk	1,686,322	25,743.84	Seller
Ridgefield	48,897	5,181.25	Seller
Stamford	2,006,705	33,633.09	Seller
TOTALS	34,527,315		

Appendix L:							
Effluent allowance trading							
60 % reduction requirement							
				Baseline			
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discharge	Initial allowances
Groton City	1	1	LOW	19,863	11,793	8,070	6,250
Groton Town	1	1	NONE	28,040	1,922	26,118	8,824
Ledyard	1	1	NONE	1,528	-	1,528	481
Montville	1	1	HIGH	9,778	7,037	2,742	3,077
New London	1	1	LOW	50,998	23,037	27,962	16,048
Norwich	1	1	NONE	73,452	25,064	48,388	23,113
Stonington- Borough	1	1	NONE	1,893	-	1,893	596
Stonington-Mystic	1	1	NONE	5,089	-	5,089	1,601
Griswold/Jewett City	1	2	LOW	4,389	3,196	1,193	1,381
Sprague	1	2	NONE	1,434	-	1,434	451
Stonington-Pawcatuck	1	2	LOW	2,635	1,212	1,423	829
Killingly	1	3	NONE	13,336	2,588	10,748	4,197
Plainfield North	1	3	NONE	3,425	777	2,648	1,078
Plainfield Village	1	3	NONE	3,013	-	3,013	948
Putnam	1	3	NONE	7,357	2,453	4,904	2,315
Stafford	1	3	NONE	8,558	2,213	6,345	2,693
UConn	1	3	NONE	7,440	1,366	6,074	2,341
Windham	1	3	NONE	16,351	2,190	14,161	5,145
East Hampton	2	2	NONE	9,179	10	9,170	2,888
Glastonbury	2	2	NONE	18,072	2,866	15,206	5,687
Hartford	2	2	NONE	613,937	231,495	382,442	193,190
Mattabassett	2	2	LOW	221,192	126,025	95,167	69,604
Portland	2	2	NONE	6,213	1,409	4,803	1,955
Rocky Hill	2	2	NONE	63,115	17,742	45,373	19,861
East Hartford	2	3	NONE	88,207	34,665	53,542	27,756
East Windsor	2	3	NONE	8,571	3,063	5,507	2,697
Enfield	2	3	NONE	37,562	4,801	32,762	11,820
Manchester	2	3	NONE	44,676	5,049	39,627	14,059
South Windsor	2	3	NONE	16,678	2,885	13,792	5,248
Suffield	2	3	NONE	7,343	-	7,343	2,311
Vernon	2	3	NONE	34,960	7,742	27,218	11,001

Appendix L:							
Effluent allowance trading							
60 % reduction requirement							
				Baseline			
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discharge	Initial allowances
Windsor	2	3	NONE	17,900	3,863	14,037	5,633
Windsor Locks	2	3	NONE	12,242	2,856	9,387	3,852
Bristol	2	4	NONE	65,856	23,022	42,834	20,723
Canton	2	4	NONE	3,060	-	3,060	963
Farmington	2	4	NONE	19,828	2,411	17,417	6,239
Plymouth	2	4	NONE	5,752	945	4,807	1,810
Simsbury	2	4	NONE	10,955	1,703	9,252	3,447
Winchester	2	4	NONE	10,466	2,683	7,783	3,293
Branford	3	1	LOW	85,480	36,551	48,929	26,898
New Haven	3	1	HIGH	1,263,264	1,045,801	217,463	397,517
North Haven	3	1	LOW	117,448	72,120	45,328	36,958
Wallingford	3	1	LOW	198,368	126,448	71,919	62,421
West Haven	3	1	LOW	255,137	150,938	104,199	80,285
Cheshire	3	2	LOW	54,033	32,802	21,231	17,003
Meriden	3	2	LOW	259,185	158,498	100,687	81,559
Southington	3	2	LOW	115,624	72,326	43,298	36,384
Ansonia	4	1	LOW	98,235	61,361	36,874	30,912
Beacon Falls	4	1	NONE	6,980	-	6,980	2,196
Derby	4	1	LOW	64,021	37,152	26,868	20,146
Milford Beaver Br.	4	1	LOW	74,699	44,593	30,106	23,506
Milford Housatonic	4	1	LOW	235,118	143,624	91,494	73,986
Seymour	4	1	NONE	59,612	20,119	39,493	18,758
Shelton	4	1	NONE	75,066	11,917	63,149	23,622
Stratford	4	1	LOW	280,354	146,424	133,930	88,220
Danbury	4	2	LOW	104,904	57,696	47,208	33,011
Naugatuck	4	2	LOW	196,030	130,792	65,238	61,686
New Milford	4	2	NONE	5,828	764	5,064	1,834
Thomaston	4	2	LOW	32,388	20,969	11,418	10,192
Torrington	4	2	LOW	189,564	120,897	68,667	59,651
Waterbury	4	2	HIGH	692,012	564,488	127,525	217,759
Litchfield	4	3	NONE	3,634	-	3,634	1,144

Appendix L:							
Effluent allowance trading							
60 % reduction requirement							
				Baseline			
Plant	Zone	Tier	Upgrade	Discharge	REDUCTION	final discharge	Initial allowances
Norfolk	4	3	NONE	2,087	-	2,087	657
Salisbury	4	3	NONE	2,206	-	2,206	694
Sharon	4	3	LOW	9,360	9,221	139	2,945
Bridgeport East	5	1	HIGH	548,360	468,282	80,078	172,555
Bridgeport West	5	1	HIGH	1,142,604	916,315	226,289	359,549
Fairfield	5	1	HIGH	354,477	284,249	70,228	111,545
Westport	5	1	LOW	85,689	50,594	35,095	26,964
Greenwich	6	1	HIGH	538,448	433,430	105,018	169,436
New Canaan	6	1	HIGH	74,022	60,316	13,706	23,293
Norwalk	6	1	HIGH	689,814	552,757	137,056	217,067
Ridgefield	6	1	HIGH	50,991	44,138	6,853	16,045
Stamford	6	1	HIGH	868,007	696,785	171,222	273,140
TOTALS				10,407,393	7,132,450	3,274,944	3,274,945

Appendix L:					
Effluent allowance trading					
60 % reduction requirement					
Plant	Capital costs	OM costs	total costs	excess allowance	status
Groton City	65,388	38,968	104,356	(1,819.72)	Buyer
Groton Town	-	22,000	22,000	(17,294.12)	Buyer
Ledyard	-	-	-	(1,047.10)	Buyer
Montville	217,961	59,579	277,541	335.17	Seller
New London	305,146	135,020	440,166	(11,913.62)	Buyer
Norwich	-	22,000	22,000	(25,274.48)	Buyer
Stonington- Borough	-	-	-	(1,297.50)	Buyer
Stonington-Mystic	-	-	-	(3,487.30)	Buyer
Griswold/Jewett City	19,072	7,208	26,279	187.67	Seller
Sprague	-	-	-	(982.76)	Buyer
Stonington-Pawcatuck	87,185	8,595	95,780	(593.91)	Buyer
Killingly	-	22,000	22,000	(6,551.90)	Buyer
Plainfield North	-	11,000	11,000	(1,570.52)	Buyer
Plainfield Village	-	-	-	(2,065.21)	Buyer
Putnam	-	11,000	11,000	(2,589.23)	Buyer
Stafford	-	11,000	11,000	(3,651.78)	Buyer
UConn	-	11,000	11,000	(3,732.87)	Buyer
Windham	-	22,000	22,000	(9,015.64)	Buyer
East Hampton	-	210	210	(6,281.23)	Buyer
Glastonbury	-	22,000	22,000	(9,519.11)	Buyer
Hartford	-	22,000	22,000	(189,251.61)	Buyer
Mattabassett	653,884	479,564	1,133,449	(25,563.34)	Buyer
Portland	-	11,000	11,000	(2,848.45)	Buyer
Rocky Hill	-	22,000	22,000	(25,512.24)	Buyer
East Hartford	-	22,000	22,000	(25,785.41)	Buyer
East Windsor	-	11,000	11,000	(2,810.20)	Buyer
Enfield	-	22,000	22,000	(20,941.66)	Buyer
Manchester	-	22,000	22,000	(25,568.60)	Buyer
South Windsor	-	22,000	22,000	(8,544.28)	Buyer
Suffield	-	-	-	(5,032.59)	Buyer
Vernon	-	22,000	22,000	(16,216.64)	Buyer

Appendix L:					
Effluent allowance trading					
60 % reduction requirement					
Plant	Capital costs	OM costs	total costs	excess allowance	status
Windsor	-	22,000	22,000	(8,404.45)	Buyer
Windsor Locks	-	11,000	11,000	(5,534.31)	Buyer
Bristol	-	22,000	22,000	(22,110.30)	Buyer
Canton	-	-	-	(2,096.79)	Buyer
Farmington	-	22,000	22,000	(11,177.93)	Buyer
Plymouth	-	11,000	11,000	(2,996.99)	Buyer
Simsbury	-	11,000	11,000	(5,804.79)	Buyer
Winchester	-	22,000	22,000	(4,490.05)	Buyer
Branford	163,471	72,270	235,741	(22,030.69)	Buyer
New Haven	2,048,837	1,445,400	3,494,237	180,054.77	Seller
North Haven	87,185	66,951	154,135	(8,369.93)	Buyer
Wallingford	130,777	106,227	237,004	(9,497.93)	Buyer
West Haven	69,748	153,906	223,654	(23,914.22)	Buyer
Cheshire	87,185	39,199	126,384	(4,228.45)	Buyer
Meriden	261,554	185,898	447,451	(19,127.92)	Buyer
Southington	174,369	79,940	254,309	(6,913.74)	Buyer
Ansonia	87,185	48,296	135,480	(5,962.00)	Buyer
Beacon Falls	-	-	-	(4,783.62)	Buyer
Derby	217,961	35,191	253,152	(6,722.71)	Buyer
Milford Beaver Br.	104,621	39,431	144,052	(6,599.68)	Buyer
Milford Housatonic	69,748	119,833	189,581	(17,508.54)	Buyer
Seymour	-	11,000	11,000	(20,734.87)	Buyer
Shelton	-	11,000	11,000	(39,527.65)	Buyer
Stratford	281,988	175,414	457,401	(45,709.77)	Buyer
Danbury	217,961	171,752	389,713	(14,197.77)	Buyer
Naugatuck	261,554	106,805	368,359	(3,551.96)	Buyer
New Milford	-	11,000	11,000	(3,230.17)	Buyer
Thomaston	39,233	18,694	57,927	(1,226.80)	Buyer
Torrington	-	112,420	112,420	(9,016.01)	Buyer
Waterbury	1,471,239	939,510	2,410,749	90,234.34	Seller
Litchfield	-	-	-	(2,490.71)	Buyer

Appendix L:					
Effluent allowance trading					
60 % reduction requirement					
Plant	Capital costs	OM costs	total costs	excess allowance	status
Norfolk	-	-	-	(1,430.25)	Buyer
Salisbury	-	-	-	(1,511.83)	Buyer
Sharon	87,185	1,124	88,309	2,806.19	Seller
Bridgeport East	915,438	370,832	1,286,270	92,476.96	Seller
Bridgeport West	1,580,220	1,047,915	2,628,135	133,259.66	Seller
Fairfield	809,182	325,215	1,134,397	41,317.18	Seller
Westport	94,813	36,116	130,929	(8,130.91)	Buyer
Greenwich	653,884	415,321	1,069,205	64,417.96	Seller
New Canaan	151,211	54,203	205,413	9,587.22	Seller
Norwalk	1,144,297	542,025	1,686,322	80,010.59	Seller
Ridgefield	21,796	27,101	48,897	9,192.61	Seller
Stamford	1,329,564	677,141	2,006,705	101,918.05	Seller
TOTALS	13,910,841	8,627,274	22,538,115		