



CITY OF FITCHBURG
Division of Water Supply
1200 Rindge Road
Fitchburg, MA 01420
Tel. 978-345-9616

WATER SUPPLY
TREATMENT
DISTRIBUTION
CUSTOMER SERVICE

MAY 7 2009

P

April 27, 2009

U.S. Environmental Protection Agency
Region 1
1 Congress Street
Boston, MA 02114-2023

Attn: Ms Glenda Velez - CIP

Subject: City of Fitchburg MS4 General Permit Annual Report

Dear Ms Velez:

Please find enclosed NPDES PII Small MS4 General Permit Annual Report for the City of Fitchburg. This Report covers the reporting period from April 1, 2008 through March 31, 2009

A copy of this report will also be submitted to MA DEP at the appropriate address.

If you have any questions regarding these reports please contact me at (978) 345-9616.

Very truly yours,

Denis Meunier
Deputy Commissioner
Fitchburg Water

Part II. Self Assessment

The city of Fitchburg has completed the required self assessment and has determined that at the end of the reporting period the City was in compliance with all provisions of the approved NOI, except for the

Part III PC-3: Operation and maintenance agreement: Work in progress as part of year number seven

Inspection and sampling of active construction sites has confirmed that selected BMP's have been in compliance with storm water control goals and limits.

In addition to the efforts outlined in Part III of this report the City has, during the designated reporting period, implemented a storm water sampling program in selected drainage basins. The results of the second year sampling program identified the identification of six illicit connections to the storm drain system. All identified illicit connections were eliminated. Results of the third year of this program identified two more illicit connections that were eliminated. Results of the fourth year program identified two more illicit connections that have been eliminated. Results of the fifth year identified one illicit connection that was corrected. Results of the sixth year identified one illicit connection that was eliminated.

All known outfalls were inspected during dry weather. Samples were collected and analyzed for coliform, MBAS, and Nitrogen if flow was present. All outfalls were sampled during a rain event; samples were analyzed for coliform, E-Coli, MBAS, and Nitrogen. Sample results from five out of forty outfalls were identified as having elevated levels of bacteria. Those outfalls will be resampled and investigated for the possibility of illicit connections. Results of dry and wet weather events are included as part of this submittal. Mapping and digital photography were completed during this reporting period.

Part III Summary of Minimum Control Measures

Municipal Good Housekeeping

BMP ID #	BMP Description	Responsible	Measurable Goal	Progress on Goal	Planned Activities
MH-1	Pet waste collection	Det./ Person BOH	Distribute brochures	Permit years 1,2,3,4,5,6 Include educational material in water bill	year 7 continue activity
MH-2	Parking lot and street cleaning	DPW	Increase frequency	Street and parking lots sweeping program active nine months per year. All streets swept a minimum of twice per year. Main lines swept multiple times per year	Continue program. Main Street now swept three times per week during summer and fall months.
MH-3	Catch basin cleaning	DPW	Implement program to track and increase frequency	Catch basin cleaning program active nine months per year. Approximately 500 basins cleaned per year. Record keeping and tracking computerized.	continue program.
MH-4	Spill Response & Prevention	Fire Dept.	Formalize program provide education	Conduct annual review and training at specific sites including wastewater, water and DPW facilities	continue program.

Part III Summary of Minimum Control Measures

Public Education and Outreach

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal	Planned Activities
PE-1	Partnership Program	Planning Dept.	Establish education and outreach program	<p>Permit years 1,2,3,4,5,6</p> <p>City established environmental task force. A public and private partnership. Group activities include streamside clean-up, community policing of environmental issues, outreach to schools and volunteer participation</p>	Permit year 7 continue activity.
PE-2	Web Site Creation	Planning Dept.	Website for storm water pollution prevention	maintain City web site link to EPA storm water information	Continue activity
PE-3	Brochures and fact sheet	DPW	Door hangers distributed	Information mailer distributed via water and sewer bills	continue activity
PE-4	Classroom Education	School Dept.	50% of K-12 every 2 yrs.	Storm water education introduced as part of science curriculum grades 4 and 6	continue activity work with schools to expand education to other grade levels.

Part III
Summary of Minimum Control Measures

Public Involvement and Participation

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal Permit years 1,2,3,4,5,6	Planned Activities Permit year 7
PP-1	Watershed Organization	Water Dept. Public Private Partnership	Organize watershed Committee	Watershed land maps updated and overlaid on topo. maps. Sensitive land parcels identified and prioritized for purchase or protection. Work with Nashua River Watershed Group to perform storm water sampling identify illicit connections. Work with North County Land Trust to purchase conservation restrictions on sensitive watershed land	Work with Department of Fish and Game to establish a conservation restriction on 1700 acres of city owned watershed lands. Minimum of 50% of proceeds from sale of CR to be used to protect additional watershed lands
PP-2	Stream cleanings	DPW	Civic Clean up days	Community service work crews from Dept. of Corrections performed stream side clean up. Civic clean up days held each spring in all City wards. Stream clean up part of program.	Continue program
PP-3	Storm drain stenciling	DPW	Civilian stenciling program	No progress made on stenciling program	Effort will be made to start stenciling program

Part III Summary of Minimum Control Measures

Post Construction Runoff Control

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal	Planned Activities
PC-1	Post construction runoff ordinance	Planning Dept.	Develop Ordinance	Permit years 1,2,3,4,5,6 Standards and program developed by joint effort between Con-Com and City Engineering. Formalized into planning board requirements.	Permit year 7 Review effectiveness of requirements.
PC-2	Site plan review for post construction	Planning Dept.	Adopt Standards	Post construction site plan review conducted for all planned sub-divisions and major construction sites	Continue activity
PC-3	Operation and maintenance agreement	DPW	Develop Model	No progress made	Develop model and scope of work

Part III Summary of Minimum Control Measures

Construction Site Runoff Control

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal	Planned Activities
RC-1	Site Plan Review	Planning Dept.	Establish standards	Permit years 1,2,3,4,5,6 Revised standards requiring BMP. Implemented and applied to all new construction regulated under Planning Board	Permit year 7 Continue activity
RC-2	Erosion/Sediment control ordinance	Planning Dept.	Develop Ordinance	Existing ordinance updated	continue activity
RC-3	Storm water Pollution Prevention Plan	DPW	Require Plan for all projects	Plan required for all sub-division projects and major construction projects	Review effectiveness of program
RC-4	BMP measures for sediment/erosion	Con-Com	Establish for construction sites	Con-Com reviews and inspects sites for compliance with approved plans and BMP	Continue practice

Part III Summary of Minimum Control Measures

BMP's for Meeting TMDL

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal Permit year 1,2,3,4,5,6	Planned Activities Permit year 7
TM-1	Parking lot and street cleaning	DPW	Formalize Program	see municipal house keeping	continue activity
TM-2	Catch Basin cleaning	DPW	Formalize Program	see municipal house keeping	continuity activity
TM-3	Install deep sumps	Planning/ Engineering	Require all new development to install	Deep sumps installed in all new and rebuilt catch basins	continue activity
TM-4	Install gas and oil separators	DPW	Establish requirement	All new garage and other potential oil using activity required to install oil water separation	continue activity and inspect established locations for compliance
TM-5	Detention Basins	Planning/ Engineering	Establish design and requirement standards	Design and standards established. Enforce standards for new construction, inspect older construction for function and effectiveness	continue activity

Part III Summary of Minimum Control Measures

Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Det./ Person	Measurable Goal	Progress on Goal Permit years 1, 2,3,4,5,6	Planned Activities Permit year 7
ID-1	Storm Drain Map	DPW	Update Storm drain map	All known storm drains inspected for dry flow, sampled as necessary. All outfalls inspected and sampled during rain event. Mapping and digital photos completed	Follow up on outfall sampling. Target outfalls with high coliform counts, resample and investigate possible illicit connections.
ID-2	Non-storm water discharge ordinance	Planning	Non-storm water ordinance	ordinance in place	Continue activity
ID-3	Industrial/Business Connections	IDC	Establish monitoring program	Continue survey of industrial and commercial connections as part of combined sewer separation project	continue program
ID-4	Illicit discharge elimination	BOH / DPW	Establish Program	Illicit connection program established. Total of ten illicit sewer connections to storm system identified and eliminated	continue program
ID-5	Illegal dumping task force	Public private partnership	Form Task Force Quarterly Meetings	City established environmental task force. A public and private partnership. Group activities include streamside clean-up, community policing of environmental issues, outreach to schools and volunteer participation	Continue program

City of Fitchburg
Wet Weather Sampling
Storm Sewer Outfalls
Request For Information
Docket No. 07-308-085, Question E.7

2007 2008		Outfall I.D.	date	tech	sample	Location	Size	Material	Drainage Area (Acres)
Dry	Wet								
1	I	1101	10/29/08	TB/JD		N side of Potato Hill Rd. Bridge in wing wall	12	R.C.	1
2	I	1102	10/29/08	TB/JD		S side of Potato Hill Rd. Bridge in wing wall	12	R.C.	1
3	I	1201A	10/29/08	TB/JD		E side of River St. bridge at Wallace Rd. in wall	8	V.C.	1
4	I	1201B	10/29/08	TB/JD		25' South of 1201A	12	VC	
5	I	1202 / 1210P	10/29/08	TB/JD		W side of River St. bridge at Wallace Rd. in wall	18	V.C.	3
6	I	1203A / 1211P	10/29/08	TB/JD		W side of River St. bridge at Wallace Rd. in wall	12	V.C.	1
7	I	1203B	10/29/08	TB/JD		15' South of 1203A			
8	I	1204 / 1212P	10/29/08	TB/JD		E side of Kimball St. bridge for CSO 060	18	V.C.	1
9	NF	1205	10/29/08	TB/JD	yes	End of Valley View Ct. into Detention Pond	30	R.C.	11
10	I	1206	9/10/08	RD/JM/MG		S side of Castle Rd.	18	HDPE	7
11	I	1207	9/10/08	RD/JM/MG		Detention Pond in center of Bishop Rd. loop	18	HDPE	2
12	I	1208	9/10/08	RD/JM/MG		Detention Pond in center of Bishop Rd. loop	18	HDPE	7
13	I	1209P							
14	I	1301	10/29/08	TB/JD	yes	Detention Pond end of Kaysha Dr.	24	HDPE	43
15	I	1302	10/29/08	TB/JD		Detention Pond end of Hartland Dr.	12	HDPE	1
16	I	1303	10/29/08	TB/JD		End of Hartland Dr. W of Detention Pond	12	HDPE	3
17	I	1304	10/29/08	TB/JD		E side of Westminster Hill Rd. bridge abutment	6	V.C.	1
18	I	1305	10/29/08	TB/JD		W side of Westminster Hill Rd. bridge abutment	12	C.M.P.	28
19	I	1306	10/29/08	TB/JD	yes	E side of Sanborn St. bridge abutment	18	R.C.	2
20	I	1401	10/29/08	TB/JD		S side of River St. @ CSO 003	12	D.I.	1
21	I	1402	10/29/08	TB/JD		S side of River St. @ CSO 003	48	R.C.	70
22	I	1403	10/29/08	TB/JD		CSO 001 overflow to SW side of River St. bridge	24	D.I.	2
23	NF	1404	10/29/08	TB/JD		CSO 002 overflow behind mechanic shop	18	V.C.	26
24	I	1405	10/29/08	TB/JD	yes	Burma Rd @ Liberty Circle W side	15	R.C.	6
25	I	1406	10/29/08	TB/JD	yes	Burma Rd @ Liberty Circle E side	15	R.C.	4
26	I	1407	9/10/08	RD/JM/MG		N side of Castle Rd.	18	HDPE	1
27	I	1408	9/10/08	RD/JM/MG		N side of Castle Rd.	18	HDPE	1
28	NF	1409	9/10/08	RD/JM/MG		W side of Bishop Rd. into Detention Pond	4	PVC	1
29	I	1410	9/10/08	RD/JM/MG		W side of Bishop Rd. into Detention Pond	18	HDPE	5
30	NF	1411	10/29/08	TB/JD		E side Daniels St. @ S side of Nashua River Bridge	18	D.I.	1
31	NF	1412	10/29/08	TB/JD	yes	S side of Bridge abutment on Oak Hill Rd.	2x51	R.C.	271
32	NF	1413	10/29/08	TB/JD		River St. @ Wallace Rd.	24	unk	57
33	I	1414	10/29/08	AW/JM	yes	300' W of end Burma Rd (from Appleton Cir)	18	HDPE	9
34	NF	1415	10/29/08	AW/JM		Faimount St opposite end of Plymouth	unk	unk	67
35	I	1421	10/29/08	AW/JM	yes	Depot St Drain Culvert	36	R.C.	124
36	I	2101							
37	I	2102							
38	I	2104							
39	I	2105	10/29/08	AW/JM		On Hill on W side of Arbor Way	15	R.C.	1
40	NF	2106	9/10/08	RD/JM/MG		Westminster St. @ Industrial Rd. (West Pipe)	12	D.I.	1
41	NF	2107	9/10/08	RD/JM/MG		Westminster St. @ Industrial Rd. (Middle Pipe)	12	D.I.	1
42	I	2108	9/10/08	RD/JM/MG		Westminster St. @ Industrial Rd. (East most Pipe)	12	D.I.	1
43	I	2109	9/10/08	RD/JM/MG		Bilotta Way into Detention Pond (South Detention Pond)	18	HDPE	5
44	NF	2110	9/10/08	RD/JM/MG		Bilotta Way into Detention Pond (North Detention Pond)	18	HDPE	7
45	I	2111	9/10/08	RD/JM/MG		Westminster St opposite Wachuset	30	R.C.	20
46	I	2301	9/10/08	RD/JM/MG		End of Authority drive on S side in woods into brook	15	R.C.	1
47	I	2302	9/10/08	RD/JM/MG	yes	End of Authority drive on S side in woods into brook	36	R.C.	
48	I	2303	9/10/08	RD/JM/MG	yes	Authority Dr. @ Development Rd. on S side into brook	30	R.C.	13
49	I	2304	9/10/08	RD/JM/MG		SE side of Authority Dr. next to 2 road culverts	30	R.C.	4
50	I	2305	9/10/08	RD/JM/MG	yes	SW side of Authority Dr. next to 2 road culverts	30	R.C.	3
51	I	2306	9/10/08	RD/JM/MG		SE side of 5th Mass Tmpke bridge abutment	18	R.C.	2
52	I	2307	9/10/08	RD/JM/MG		E side of Princeton Rd @ Old Princeton Rd.	36	R.C.	25
53	I	2308	9/10/08	RD/JM/MG		S side of Bray Ave in W Detention Pond	18	HDPE	15
54	NF	2309	9/10/08	RD/JM/MG		S side of Bray Ave in E Detention Pond	12	HDPE	1
55	NF	2310	9/10/08	RD/JM/MG		S side of Bray Ave in E Detention Pond	12	HDPE	1
56	NF	2311	9/10/08	RD/JM/MG		S side of Bray Ave in E Detention Pond	12	HDPE	1
57	I	2312	9/10/08	RD/JM/MG	yes	E side of Princeton Rd. @ Old Princeton Rd.	18	unk	3
58	I	2313	9/10/08	RD/JM/MG	yes	E side of Princeton Rd. @ Old Princeton Rd.	36	C.M.P.	28
59	I	2314	9/10/08	RD/JM/MG		E side of Princeton Rd. @ Old Princeton Rd.	12	R.C.	1
60	I	2401	4/30/08	MPC/DAG		N side Sarah Ln into Det. Pond	18	R.C.	
61	I	2403	4/30/08	MPC/DAG	yes	N pipe at end of Pepper Rd.	24	R.C.	24
62	I	2404	4/30/08	MPC/DAG		Off Shea St @ Autumn Dr	24	C.M.P.	132
63	NF	3101	7/25/08	GB/MG		S side of Stoneybrook Rd. next to 3X 36" R.C. Culverts	12	R.C.	1
64	NF	3102	7/25/08	GB/MG	yes	S side of Stoneybrook Rd. next to 3X 36" R.C. Culverts	12	R.C.	1
65	I	3103	7/25/08	GB/MG		Behind Water Tower on Rindge Rd. in bank	8	D.I.	
66	I	3104	7/25/08	GB/MG		Behind Water Tower on Rindge Rd. in bank	8	C.M.P.	
67	I	3105	7/25/08	GB/MG		Behind Water Tower on Rindge Rd. in bank	8	D.I.	
68	I	3106	7/25/08	GB/MG		NW side of Ringe Rd. bridge abutment	12	R.C.	2
69	I	3107	7/25/08	GB/MG		Richardson Rd. NW side of brook crossing	12	PVC	1
70	I	3108	7/25/08	GB/MG		Kyle Rd. Detention Pond	18	HDPE	5

71			3110	7/25/08	GB/MG	yes	Kyle Rd. Detention Pond across from Jessica Way	24	HDPE	8
72			3301	7/25/08	GB/MG		W side of Ringe Rd. to wetlands	24	R.C.	30
73			3302	7/25/08	GB/MG	yes	W side of Ringe Rd. to wetlands	24	R.C.	35
74			3303	7/25/08	GB/MG	yes	NW side of Ashby State Rd. bridge abutment	12	C.M.P.	9
75			3304	7/25/08	GB/MG		SW side of Ashby State Rd. bridge abutment	12	R.C.	3
76			3305	7/25/08	TB/AW		SE side of Fisher Rd. bridge abutment	12	PVC	25
77			3306	7/25/08	TB/AW		Blossom St. at Elm St.	18	C.M.P.	48
78			3308	7/25/08	GB/MG		E side of 24" Culvert on Richardson Rd.	12	V.C.	8
79			3309	7/25/08	GB/MG		W side of 24" Culvert on Richardson Rd.	12	V.C.	10
80			3310	7/25/08	TB/AW		Off Drepanos Dr. at Hospital	12	R.C.	5
81			3401	7/25/08	TB/AW	yes	Will Thompson Way into Detention Pond	6	PVC	1
82			3402	7/25/08	TB/AW		S across JFI from Will Thompson Way next to 48" R.C. culvert	15	R.C.	9
83			3403	7/25/08	TB/AW	yes	NE side of bridge abutment on JFI Hwy near Pearl Hill Rd.	12	R.C.	1
84			3404	7/25/08	TB/AW	yes	N side of Pearl Hill Rd. bridge abutment	18	R.C.	31
85			3405	7/25/08	TB/AW	yes	S side of Pearl Hill Rd. bridge abutment	24	R.C.	47
86			3407	7/25/08	TB/AW	yes	N Detention Pond off MacIntosh Lane	24	R.C.	9
87			3408	7/25/08	TB/AW		S Detention Pond off MacIntosh Lane	18	R.C.	6
88			3409	7/25/08	TB/AW		S Detention Pond off MacIntosh Lane	18	R.C.	4
89	NA		4101	10/29/08	AW/JM		Nashua River on NW side of River St. bridge abutment	18	D.I.	CSO
90	NA		4102	10/29/08	AW/JM		Nashua River on SE side of River St. bridge abutment	12	D.I.	2
91			4103	8/13/08	RD/MR		Nashua River in Sheldon St. bridge abutment	12	V.C.	1
92			4104	8/13/08	RD/MR		Nashua River in Sheldon St. bridge abutment	12	V.C.	1
93			4105	8/13/08	RD/MR		Nashua River in Sheldon St. bridge abutment	18	D.I.	2
94			4106	9/10/08	TB/JG/SS	yes	Nashua River on S side of Rollstone bridge abutment	36	C.M.P.	14
95			4107	9/10/08	TB/JG/SS		Nashua River on N side of Rollstone bridge abutment	12	unk	1
96			4108	9/10/08	TB/JG/SS		Nashua River on S side of Rollstone bridge abutment	24	V.C.	CSO
97			4109	9/10/08	TB/JG/SS		Nashua River behind bank parking lot	12	P.V.C.	1
98			4110	9/10/08	TB/JG/SS	yes	Nashua River behind bank parking lot	72	R.C.	240
99	NF	NF	4111	10/29/08	AW/JM		Nashua River in DPW parking lot across river from bank parking lot	12	unk	1
100			4112	10/29/08	AW/JM		Nashua River in NE side of Circle St. bridge abutment	12	unk	1
101		NF	4113	10/29/08	AW/JM		Nashua River in NE side of Circle St. bridge abutment	24	unk	2+CSO
102			4114	10/29/08	AW/JM		Nashua River in NE side of Circle St. bridge abutment	4	unk	1
103			4115	10/29/08	AW/JM		Nashua River in NE side of Circle St. bridge abutment	12	unk	1
104			4116	8/13/08	RD/MR		Nashua River across river of Nockege St. under closed bridge walk	12	D.I.	1
105	NA	NF	4117	10/29/08	AW/JM		N side of river 150 NW of River St Bridge	18	D.I.	12
106	NF	NF	4201	10/29/08	AW/JM		Detention Pond in Bank Parking Lot on North St.	18	R.C.	1
107	NF	NF	4202	10/29/08	AW/JM		Detention Pond in Bank Parking Lot on North St.	18	R.C.	1
108	NF	NF	4203	10/29/08	AW/JM		Detention Pond in Bank Parking Lot on North St.	18	R.C.	1
109		NF	4204	10/29/08	AW/JM		Detention Pond @ back end of Ron Bouchards Used Auto	12	P.V.C.	1
110		NF	4205	10/29/08	AW/JM		Baker Brook behind chiropractor buried in brush	18	R.C.	37
111			4206	9/10/08	TB/JG/SS	yes	Baker Brook behind liquor store	4	P.V.C.	1
112	NF	NF	4207	9/10/08	TB/JG/SS		Baker Brook @ W side of the Thunderbird Motel near fence	10	P.V.C.	1
113			4208	10/29/08	AW/JM		Baker Brook at Bridge abutment on Lunenburg St.	12	R.C.	2
114			4209	9/10/08	TB/JG/SS		Baker Brook @ S side of bridge abutment on Lunenburg St.	30	R.C.	38
115			4210	9/10/08	TB/JG/SS		Detention Pond on Aimee's Way (Northeast Side)	30	R.C.	3
116			4211	9/10/08	TB/JG/SS		Detention Pond on Aimee's Way (Southeast Side)	30	R.C.	3
117			4212	9/10/08	TB/JG/SS		Detention Pond on Aimee's Way (Southwest Side)	12	P.V.C.	1
118			4213	9/10/08	TB/JG/SS	yes	Baker Brook at end of Buttrick Avenue	24	R.C.	28
119			4214	9/10/08	TB/JG/SS	yes	Baker Brook at SE side of bridge on Pearl St.	36	R.C.	65
120			4215	9/10/08	TB/JG/SS	yes	Baker Brook at SW side of bridge on Pearl St.	36	R.C.	49
121			4216	9/10/08	TB/JG/SS	yes	Baker Brook at NW side of bridge on Pearl St.	12	R.C.	1
122			4217	9/10/08	TB/JG/SS		Baker Brook at NE side of bridge on Pearl St.	18	R.C.	2
123	NF		4218	10/29/08	AW/JM	yes	W side of Culvert on Marden St. near Townsend St.	12	V.C.	1
124	NF		4219	10/29/08	AW/JM	yes	W side of Culvert on Marden St. near Townsend St.	12	V.C.	1
125	NF		4220	10/29/08	AW/JM	yes	E side of Culvert on Marden St. near Townsend St.	18	R.C.	25
126			4222	7/25/08	TB/AW		End of Oakwood Ave into Baker Brook	12	V.C.	6
127			4223	7/25/08	TB/AW		Across the Brook from Outfall 4222	12	HDPE	2
128			4301	8/13/08	RD/MR		Brook @ Pratt Park into spillway on Pratt Rd.	18	C.M.P.	5
129			4302	8/13/08	RD/MR		Brook @ Pratt Park into spillway on Pratt Rd.	30	R.C.	210
130			4303	8/13/08	RD/MR		S side of Detention Pond @ Pratt Park	12	HDPE	1
131			4304	8/13/08	RD/MR		S side of Detention Pond @ Pratt Park	48	R.C.	N/A
132			4305	4/30/08	MPC/DAG		Brook on E side of Milk St.	12	V.C.	22
133			4306	4/30/08	MPC/DAG	yes	Brook on E side of Milk St.	24	C.M.P.	26
134			4307	4/30/08	MPC/DAG	yes	Brook on E side of Milk St.	36	R.C.	89
135			4308	4/30/08	MPC/DAG		Brook at end of Kingsbury St. in woods (near manhole)	12	D.I.	4
136			4309	8/13/08	RD/MR		S Side of Water St. Bridge @ Walnut St.	24	V.C.	1+CSO
137			4310	8/13/08	RD/MR		N Side of Water St. Bridge @ Walnut St.	24	V.C.	3+CSO
138			4311	8/13/08	RD/MR		Nashua River on NW side of Cushing St. bridge	18	HDPE	1+CSO
139	NF		4312	9/10/08	TB/JG/SS		Nashua River on SW side of Cushing St. bridge	18	D.I.	CSO.
140	NF		4313	8/13/08	RD/MR		Nashua river on E side of Cushing St. bridge in conc. wall	6	V.C.	1
141			4314	10/29/08	AW/JM	yes	Seasonal Brook at end of Amiot St.	12	HDPE	INLET
142			4401	9/10/08	TB/JG/SS	yes	Next to R.R. tracks W of Hayden Pass.	72	R.C.	5+CSO
143			4402	9/10/08	TB/JG/SS		Next to R.R. tracks W of Hayden Pass.	10	R.C.	1
144			4403	8/13/08	RD/MR		N Side of Water St. Bridge @ Walnut St.	12	R.C.	1
145			4404	8/13/08	RD/MR		South Side of Water St. Bridge @ Walnut St.	12	D.I.	1
146	NF	NF	4405	9/10/08	TB/JG/SS		Brook E of Water St. near Fifth St.	18	R.C.	6+CSO
147			4406	9/10/08	TB/JG/SS		Brook E of Water St. for CSO 017	60	R.C.	26+CSO
148	NA	NA	4407	9/10/08	TB/JG/SS		In Waterfall E of Water St. for CSO 016	36		unk
149			4408	9/10/08	TB/JG/SS		Baker Brook behind Century Used Car Dealership	12	R.C.	4
150			4409	9/10/08	TB/JG/SS		Baker Brook across JFI Highway from Ball Fields	12	R.C.	25

151	NF	4410	9/10/08	TB/JG/SS			12	R.C.	25
152	I	4411	9/10/08	TB/JG/SS	yes	Baker Brook across JFI Hwy to right of Gas Co.	30	D.I.	85
153	I	4412	9/10/08	TB/JG/SS		Baker Brook behind Chevy Dealership	4	V.C.	1
154	I	4413	9/10/08	TB/JG/SS		Baker Brook behind McDonalds Restaurant	12	C.M.P.	1
155	NF	4414	9/10/08	TB/JG/SS		Baker Brook behind Pizza Hut	12	R.C.	1
156	NF	4415	9/10/08	TB/JG/SS		Baker Brook behind Blockbuster Video	18	R.C.	3
157	I	5101	4/30/08	MPC/DAG		S side of Electric Ave.	12	R.C.	2
158	I	5102	4/30/08	MPC/DAG		S side of Electric Ave.	15	V.C.	78
159	I	5201	7/25/08	GB/IMG		Airport Rd. swale on N side	48	R.C.	244
160	NF	5202	7/25/08	GB/IMG		Airport Rd. into brook on N side	48	C.M.P.	47
161	I	5203	7/25/08	GB/IMG		W side of Benson Rd.	36	HDPE	5
162	I	5204	7/25/08	GB/IMG		E side of Benson Rd.	48	C.M.P.	13+CSO
163	I	5401	7/25/08	TB/AW	yes	Carriage Way into Detention Pond	36	R.C.	35
164	I	5402	7/25/08	TB/AW		N side of Glen Ave. into Detention Pond	12	R.C.	1

I Inspected
M Missing
NA Not Accessible
NF Not Found

40 locations sampled

11 locations not found by either group

164	164	Total	164
27	24	NF	11
4	1	NA	153
0	4	Missing	29
133	135	Total Located	124

City of Fitchburg
 Dry Weather Sampling
 Storm Sewer Outfalls
 Request For Information
 Docket No. 07-308-085, Question E.6

Storm Outfall No.	Location	Date Sampled	fecal coliform #/100 ml	E-Coli #/100 ml	Surfactants MBAS mg/L	Ammonia Nitrogen mg/L
1209	Valley View	10/19/2007	100	98	<0.05	0.327
1306	Sanborn St.	10/17/2007	100	16	<0.05	<0.1
1402	River St	10/18/2007	80	30	0.084	<0.1
1403	CSS#1 River St.	10/17/2007	10	5	<0.05	<0.1
1405	Burma Rd	10/17/2007	2	0	<0.05	0.944
1406	Burma Rd	10/17/2007	50	16	<0.05	0.324
1414	Burma Rd	10/18/2007	2000	1127	0.348	<0.1
1421	Hanigan Ct	10/18/2007	20	2	0.201	<0.1
2109	Bilotta Way	10/31/2007	20	0	<0.05	<0.1
2302	End of Authority Dr.	11/1/2007	8	1	0.092	0.263
2304	Pepper Rd	10/19/2007	80	2	0.327	<0.1
2313	Princeton Rd., East side	11/1/2007	50	11	0.061	0.217
3108		10/16/2007	40	7	0.074	0.236
3302		10/16/2007	40	15	<0.05	<0.1
3404	Pearl Hill Rd	10/18/2007	50	3	0.124	<0.1
4103	Pratt Rd @ park	10/19/2007	20	13	<0.05	<0.1
4106	Rollstone St. bridge	10/23/2007	20	0	<0.05	0.198
4110	DPW Yard across river	10/19/2007	800	560	0.053	<0.1
4205	Baker Brook behind chiro. Lunenburg St.	11/1/2007	80	31	<0.05	<0.1
4214	Baker Brook (SE bridge @ Pearl St.)	11/1/2007	30,000	15,100	0.295	0.804
4215	Baker Brook (SW bridge @ Pearl St.)	11/1/2007	300	40	0.079	0.184
4216	Baker Brook (NW bridge @ Pearl St.)	11/1/2007	0	0	<0.05	0.184
4302	Pratt Rd @ park	10/19/2007	2,000	430	<0.05	<0.1
4306	Milk St	10/19/2007	200	128	<0.05	<0.1
4401	RR tracks West of Hayden Pass	10/31/2007	20,000	6,500	0.113	0.677
4406	Water St.	10/31/2007	20,000	10,600	<0.05	0.329
4411	JFI - Baker Brook (at Chevy Dealer)	10/31/2007	500	15	1.19	<0.1
5201	Airport Rd swale	10/23/2007	2,000	463	0.094	1.48
5401	Carriage Way detention pond	10/23/2007	40	7	<0.05	<0.1

City of Fitchburg
Wet Weather Sampling
Storm Sewer Outfalls
Request For Information
Docket No. 07-308-085, Question E.7

Storm Outfall No.	Location	Date Sampled	coliform #/100 ml	E-Coli #/100 ml	MBAS mg/L	Nitrogen mg/L
1205	End of Valleyview into detention pond	10/29/08	<10	<10	<0.025	<0.1
1301	Detention pond at end of Kaysha Dr.	10/29/08	<10	<10	<0.025	<0.1
1306	E. side of Sanborn St. bridge abutment	10/29/08	120	20	<0.025	<0.1
1405	Burma Rd. @ Liberty Circle, West side	10/29/08	130	120	<0.025	<0.1
1406	Burma Rd. @ Liberty Circle, East side	10/29/08	10	<10	<0.025	<0.1
1409	West side Bishop Rd into detention pond	9/10/08	800	750	<0.025	0.1
1412	Oakhill Rd. Bridge abutment, South side	10/29/08	>10,000	>10,000	<0.025	0.14
1414	End of Burma Rd, 300' W from Appleton Circle	10/29/08	<10	<10	<0.025	<0.1
1421	Depot St. drain culvert	10/29/08	20	20	<0.025	<0.1
2302	South side Authority Drive at end	9/10/08	230	120	<0.025	<0.1
2303	Authority Dr. @ Development Rd.	9/10/08	140	110	<0.025	0.11
2305	SW side Authority Dr. near 30" culverts	9/10/08	100	80	<0.025	0.54
2312	East side Princeton Rd @ Old Princeton Rd	9/10/08	20	20	<0.025	0.14
2313	East side Princeton Rd @ Old Princeton Rd	9/10/08	280	190	<0.025	<0.1
2403	North pipe @ end of Pepper Rd.	4/30/08	<10	<10	<0.025	<0.1
3102	South Side of Stoneybrook	7/25/2008	80	<10	<0.025	<0.1
3110	Kyle Road detention pond	7/25/2008	300	190	<0.025	<0.1
3302	West side Rindge Road	7/25/2008	80	40	<0.025	<0.1
3303	NW side Ashby State Rd. bridge abut.	7/25/2008	60	60	<0.025	<0.1
3401	Will Thompson Way detention pond	7/25/2008	<10	<10	<0.025	<0.1
3403	John Fitch Hwy near Pearl Hill Rd	7/25/2008	50	<10	<0.025	0.1
3404	North side Pearl Hill Rd. bridge abut.	7/25/2008	250	200	<0.025	<0.1
3405	South side Pearl Hill Rd. bridge abut.	7/25/2008	200	120	<0.025	<0.1
3407	North detention pond off MacIntosh Lane	7/25/2008	2800	1300	<0.025	<0.1
4106	Nashua River on S side Rollstone bridge abut.	9/10/2008	170	20	<0.025	<0.1
4110	Nashua River behind FSB parking lot	9/10/2008	>10000	>10000	<0.025	0.34
4206	Baker brook behind liquer store	9/10/2008	<10	<10	<0.025	0.29
4213	Baker brook at end of Buttrick Ave	9/10/2008	600	360	<0.025	<0.1
4214	Baker brook @ SE side Pearl St bridge	9/10/2008	8,000	6,000	<0.025	<0.1
4215	Baker brook @ SW side Pearl St bridge	9/10/2008	1500	1000	<0.025	<0.1
4216	Baker brook @ NW side Pearl St bridge	9/10/2008	800	450	<0.025	<0.1
4218	W side culvert on Marden St. near Townsend St.	10/29/2008	500	200	<0.025	<0.1
4219	W side culvert on Marden St. near Townsend St.	10/29/2008	1400	1100	<0.025	<0.1
4220	E side culvert on Marden St. near Townsend St.	10/29/2008	100	30	<0.025	<0.1
4306	Brook on East side of Milk St. - 24"	4/30/2008	150	120	<0.025	<0.1
4307	Brook on East side of Milk St. - 36"	4/30/2008	<10	<10	<0.025	<0.1
4314	Seasonal Brook at end of Amlot St.	10/29/2008	10	<10	<0.025	<0.1
4401	Near RR tracks west of Hayden Passway	9/10/2008	>10000	>10000	<0.025	0.69
4411	Baker brook behind Chevy Dealership	9/10/2008	>10000	>10000	<0.025	1.3
5401	Carridge Way detention pond	7/25/2008	1,000	200	<0.025	<0.1