RICHMOND WWTP AND COLLECTION SYSTEM MONTHLY OPERATING REPORT

JULY 2010

EXECUTIVE SUMMARY

WWTP Operations

- As anticipated at the end of June, three permit violations (Weekly TSS, Weekly BOD, and Monthly BOD) were created by the shaft failure in Aerator 1A which effectively reduced aeration detention time by 50 percent. The shaft had to be fabricated which extended the downtime beyond 2 weeks. Sufficient critical spares, including a shaft, have been ordered to minimize the impact of aerator breakdown in the future. Additional work is also being planned to create more flexibility in responding to such events

- No blending events.

- Monthly bioassay passed.

- One odor complaint – attributed to the aerator failure.

- A search for solution to sampling consistency problems with the influent sampler continued. The current setup is affected by the sediments that create occasional abnormal BOD and TSS reading.

Maintenance

- The Maintenance department completed 373 preventative maintenance work orders and 30 corrective work orders, including 106 PM work orders for the sanitary pump stations and 57 PM work orders for the storm system pump stations.

- Backup influent pumping systems remained in place awaiting the initiation of the CPM Influent Pump Replacement Project:

- Completed Aerator 1A repair on Sunday, July 17. Both removal and reinstallation were difficult, requiring a large boom truck and additional attention to safety.

- Repaired dunking skimmer and dunking bracket in secondary clarifier #1 after the skimmer entangled in the bracket.

- The effort to outfit a third CCTV truck continued, but was not quite completed since the truck needed to be utilized in its role as backup to the existing, City owned CCTV trucks.

- Made control repairs and adjustments on the bioassay fish tanks to insure continued success in toxicity testing.

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- Replaced the bearings and seal in WAS Pump #2.

- During repair of WAS Pump # 2, a 6" portable pump was utilized to transfer RAS box 1 where there was an operating WAS pump. The discharge of this temporary transfer pump became lodged in RAS Pump #1. After removal, RAS Pump #1 was put in service without incident.

- Storage batteries in the two older golf carts required replacement. Lifetime is apparently about 2 years.

- Replaced 12 ball valves on hose bibs at various locations around plant.

Collections

Sanitary System Activities

- VWNA responded to 28 sanitary sewer related service calls.

- 15 point repairs were completed on the sanitary sewer system (see attached spreadsheet)

- 37,227.65 of sanitary sewer pipeline was cleaned (scheduled maintenance) (see attached spreadsheet).

- 163 Sanitary Lift station PMs were completed.

- 3,427lf of Sanitary Sewer Closed Circuit Televising activities.

- Spreadsheet of August/September 2010 scheduled sanitary sewer cleaning is attached.

- Spreadsheet attached for all sanitary sewer Hotspots.

- There were no capacity related and no O&M related sanitary sewer overflows this month.

Storm water System Activities

- 218 Catch basin/Culvert/Manholes storm water system cleaning activities were completed and 8,780 lf feet of storm pipes cleaned (See attached spreadsheet for locations).

- VWNA responded to 3 storm water related service calls during the month.

- 57 Storm Lift station PM activities were completed.

- 2 point repairs were completed on the storm system (see attached spreadsheet).

Capital Projects

Through July 2010, Veolia is actively managing 10 projects. Pending projects include: headworks ventilation rehabilitation/influent pump replacement construction project, and the cogeneration project, which will be a separate task authorization from the digester rehabilitation project.

- Construction on the Tidal Inflow and Infiltration Reduction Project started in mid May 2010; Salt River Construction has installed flap gates and tide flex valves at outfall location 4 and outfall location 3.

- The City of Richmond, Veolia, and Ghilotti Bros., Inc. have discussed alternatives to the jack and bore method of repair for the Pennsylvania Ave. Emergency Repair Project and have determined that the more cost effective method of replacement is to re route the flow and abandon the railroad undercrossing.

- Preliminary design of the Grit Removal Rehabilitation Project is underway by Carollo Engineers. 50% designs and specs were provided in mid July and reflect the original scope of work of one grit basin rather than expanding the scope to two basins.

- Herwit Engineering is proceeding with the preliminary design of the Electrical Distribution System Rehabilitation Project and will redesign part of the project with new conduits and wires rather than reusing existing equipment per Veolia's preference and held a meeting in June to discuss the preferences of Ops for the construction project. The City of Richmond has been notified of this necessary design change and is reviewing the request for approval.

- Work is ongoing for the Digester Rehab Project and Overaa Construction has begun installation of interior equipment, piping, and conduits and is proceeding with installation of additional equipment and preparing conduits and piping for gas skid installation.

- The San Pablo Ave. Upsizing Project is still on hold and is pending funding from City of Richmond and is expected to be approved for construction in August by both the City of Richmond and Veolia upper management.

- The City of Richmond has accumulated $1,265,125.70 in unpaid invoices from Veolia since March 2010. Much of this amount is residual sums from partial payment that was received in early July for multiple projects.

- The City of Richmond City Council has approved a rate increase to fund a $35 Million bond to provide funding for additional plant and collection system projects. Full and partial payments for many outstanding invoices were received in early July from the City of Richmond. Bond money is expected to be in place by the end of September.

MONTHLY PERFORMANCE INDICATORS

July 2010

Parameter	Monthly Performance Indicators	Limit/Target
Treatment Plant Operations:		
Influent Flow, daily average. MGD	5.98	N/A
Influent BOD_5, avg. mg/L	777	N/A
Influent TSS, avg. mg/L	2,526	N/A
Effluent BOD_5, avg. mg/L	32.5	30 or less
Effluent TSS, avg mg/L	29.5	30 or less
% BOD Removal	95.8	> 85
% TSS Removal	96.9	> 85
Effluent limit excursions	3	0
Blending events	0	0
Total volume blended, MG	0	0
Odor complaints	1	0
Sludge pumped to drying beds, MG	1.91	N/A
Leachate received, GAL	517,905	N/A
Leachate received YTD (2010), MG	3.85	N/A
Sanitary Sewer System		
Sanitary sewer callouts	28	0
Sanitary sewer line cleaned, linear feet	37, 228	25,000
Sanitary sewer overflows	0	2(Month) 24 (’09)
Sanitary point repairs completed	15	NA
Sanitary sewer back-ups causing property damage	0	0
Storm Sewer System		
Storm sewer callouts	3	0
Storm sewer point repairs	2	NA

Veolia Water July 2010 Sanitary Sewer Cleaning Summary			
Date Completed	**Length**	**Asset Name**	**City Facility ID**
7/1/2010	454.44	K10MH1740_K10MH1739	050010_050009
7/1/2010	494	K10MH1724_K10MH1728	050029_050028
7/1/2010	507	K10MH2122_K10MH2195	050048_050047
7/1/2010	521	J10MH2125_J10MH2194	050053_050052
7/1/2010	534	J10MH2127_J10MH2191	050063_050062
7/1/2010	593	J12MH575_J12MH537	010074_010077
7/1/2010	115.94	F13SF603_F13MH2382	140113_520384
7/1/2010	266.11	J10MH2063_J10MH2198	070037_070067
7/1/2010	350	J10MH2198_J10MH2265	070067_070066
7/1/2010	620.19	J9MH1650_J9MH1123	070035_070065
7/1/2010	270	J10MH2265_J9MH1123	070066_070065
7/2/2010	620.61	J9MH1651_J9MH1124	070029_070064
7/2/2010	245	J9MH1123_J9MH1124	070065_070064

7/2/2010	500	J9MH1124_J9MH1126	070064_070062
7/2/2010	620.4	J9MH1084_J9MH1126	070063_070062
7/2/2010	620	J9SF797_J9MH1128	070061_070060
7/2/2010	269.28	J9MH1126_J9MH1128	070062_070060
7/5/2010	92.25	G7MH354_G7MH663	090233_090234
7/6/2010	592.74	J9SF791_J9MH1673	070093_070092
7/6/2010	558.32	J9SF790_J9MH1678	070090_070089
7/6/2010	248.28	J9MH1673_J9MH1678	070092_070089
7/6/2010	528	J9SF789_J9MH1679	070087_070086
7/6/2010	257	J9MH1678_J9MH1679	070089_070086
7/6/2010	587	J9SF788_J9MH1680	070084_070083
7/6/2010	249.9	J9MH1679_J9MH1680	070086_070083
7/6/2010	561	J10MH2228_J10MH1776	050072_050071
7/6/2010	500	J10MH2229_J10MH2228	050073_050072
7/6/2010	557	J10MH2226_J10MH2225	050075_050074

7/6/2010	515.46	J10SF461_J10MH2223	050097_050096
7/6/2010	567.43	J10MH1559_J10MH1770	050081_050080
7/6/2010	597	J10MH2227_J10MH1775	050070_050069
7/7/2010	521	J10MH2125_J10MH2194	050053_050052
7/7/2010	260.01	J10MH2226_J10MH2224	050075_050099
7/7/2010	500	K10MH2210_K10MH2209	050018_050017
7/7/2010	615.87	J11SF438_J10MH2226	050136_050075
7/7/2010	557	J10MH2226_J10MH2225	050075_050074
7/7/2010	193	J10SF473_J10MH2229	050219_050073
7/7/2010	479.4	I13MH2096_H13MH624	030268_030274
7/7/2010	360	J9SF596_J9MH2346	070098_520253
7/7/2010	404.19	J9MH2346_I9MH2254	520253_070123
7/8/2010	593	J12MH575_J12MH537	010074_010077
7/9/2010	515.46	J10SF461_J10MH2223	050097_050096
7/9/2010	260	J10MH2225_J10MH2223	050074_050096

7/9/2010	260	J10MH2223_J10MH2222	050096_050095
7/9/2010	250.42	D13MH482_D13MH540	140274_140275
7/9/2010	471.7	E13MH1917_E13MH1916	140187_140185
7/9/2010	428	E14MH1982_E14MH469	140263_140258
7/9/2010	549.57	F13MH2002_F12MH2022	140084_140027
7/9/2010	418.21	F13MH439_F13MH431	140056_140054
7/9/2010	135	F7MH2731_F7MH345	090305_090301
7/9/2010	113	F7MH761_F7MH760	090337_090336
7/9/2010	138	F7MH367_F7MH760	090343_090336
7/9/2010	266.27	G10MH1503_G10MH1506	110100_110097
7/9/2010	475	G10MH1531_G10MH1586	110079_110119
7/9/2010	265.42	G10MH1584_G10MH1586	110122_110119
7/9/2010	496	G11MH2416_G11MH843	520026_130024
7/9/2010	261.82	G11MH890_G11MH891	120035_120034
7/9/2010	288.65	G12MH1025_G12MH1023	130050_130063

7/9/2010	501.4	G12MH203_G12MH217	130105_130104
7/9/2010	467.73	G12MH207_G12MH828	130114_130113
7/9/2010	313.89	G12MH215_G12MH210	130099_130093
7/9/2010	140.69	G6MH2180_G6MH2179	090070_090067
7/9/2010	230.41	G6MH2244_G6MH2182	090076_090075
7/9/2010	510	G9MH1137_G9MH1135	100061_100082
7/9/2010	505	G9MH1264_G9MH1270	110013_110016
7/9/2010	338.2	G9MH1323_G9MH1326	100101_100139
7/9/2010	375.46	G9SF670_G9MH1291	100119_100136
7/9/2010	249.69	H10MH1850_H10MH1851	060155_060154
7/9/2010	253.68	H10MH407_H10MH1786	520108_520109
7/9/2010	477.94	H10SF878_H10MH1824	060048_060086
7/9/2010	351.69	H11MH2333_H11MH2336	040067_040066
7/9/2010	260.01	H12MH259_H12MH257	040146_040144
7/9/2010	254.24	H12MH262_H12MH263	040096_040095

7/9/2010	478	H12SF657_H12MH598	040105_040104
7/9/2010	404.48	H13SF1012_H13MH231	610104_010350
7/9/2010	190	H6SF1001_H6MH656	090047_090048
7/9/2010	274	H8MH900_H8MH1185	080054_080055
7/12/2010	335	G7MH2325_G7MH667	090216_090217
7/12/2010	161	G7MH677_G7MH338	090201_090190
7/12/2010	154.64	F7MH760_F7MH368	090336_090335
7/13/2010	499.94	K10MH1741_K10MH1740	050011_050010
7/13/2010	469.43	I12SF638_H12MH1044	040034_040100
7/13/2010	41	K12MH555_K12MH557	010004_010005
7/13/2010	41	K12MH555_K12MH557	010004_010005
7/14/2010	552	K10MH2212_K10MH2211	050020_050019
7/14/2010	215	G6MH2189_G6MH2180	090406_090070
7/14/2010	428	E14MH1982_E14MH469	140263_140258
7/15/2010	456	J10SF460_J10MH2230	050083_050082

7/15/2010	500	J10MH2230_J10MH1559	050082_050081
7/15/2010	114	J10MH2215_J10MH2213	050098_050100
7/15/2010	260	J10MH2224_J10MH2215	050099_050098
7/15/2010	149	J10MH1560_J10MH1562	050093_050116
7/15/2010	298.74	K11MH2076_K11MH2566	020055_520180
7/15/2010	305.37	K11MH2566_K11MH1888	520180_020052
7/16/2010	266	G11MH891_G11MH899	120034_120031
7/19/2010	164.86	J10MH2219_J10MH2220	050121_050119
7/19/2010	615	J11SF439_J10MH2224	050137_050099
7/19/2010	220	J11SF917_J11SF445	050139_050138
7/19/2010	105	J11SF440_J11SF441	050142_050140
7/19/2010	220	J11SF847_J11SF441	050141_050140
7/21/2010	106.74	J9SF412_J9MH1684	070072_070071
7/21/2010	162.2	J9SF595_J9MH2348	070097_070096
7/21/2010	300	I9MH1114_I9MH1115	070154_080018

7/21/2010	8.44	I9MH1113_I9MH1114	070155_070154
7/21/2010	139.01	I9MH1095_I9MH1695	070159_070158
7/26/2010	275.43	I9MH1697_I9MH1105	080016_080015

38227.65

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
H11X0051	NE CORNER 23RD	L	L	L			30		CB	7/6/2010
H11X0046	NE CORNER 24TH	L	L	L			30		CB	7/6/2010
H11X0054	NE CORNER	L	L	L			200	200	MH	7/2/2010
H11X9001	NE CORNER 22ND ST	L	L	L					CB	7/6/2010
H10X0022	NE CORNER 21ST	L	L	L					CB	7/6/2010
H10X0023	NE CORNER 21ST	L	L	L					CB	7/6/2010
H11X0025	NE CORNER 22ND	L	L	L					CB	7/6/2010
H11X0028	NS CORNER 22ND	L	L	L					CB	7/6/2010
H11X0070	NE CORNER OHIO AVE	L	L	L					CB	7/6/2010
H11X0073	NS CORNER OHIO AVE	L	L	L					CB	7/6/2010
H11X0071	NE OHIO AVE	L	L	L					CB	7/6/2010
H11X0075	NS OHIO AVE	L	L	L					CB	7/6/2010
H11X0076	NE OHIO AVE	L	L	L					CB	7/6/2010
NO ID	NS CORNER OHIO AVE	L	L	L					CB	7/6/2010
H11X0074	NE OHIO 31ST	L	L	L					CB	7/6/2010
H11X0079	NE CORNER 5.27	L	L	L					CB	7/6/2010
H11X0081	NE CORNER 5.27	L	L	L					CB	7/6/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
NO ID	NW CORNER 5.27	L	L	L					CB	7/6/2010
NO ID	NW CORNER 5.27	L	L	L					CB	7/6/2010
H11X0079	NE CORNER 5.27	L	L	L					CB	7/6/2010
H11X0081	NE CORNER 5.27	L	L	L					CB	7/6/2010
NO ID	NW CORNER 5.27	L	L	L					CB	7/6/2010
NO ID	NW CORNER 5.27	L	L	L					CB	7/6/2010
H11X0022	NE EXCHANGE PL	L	L	L					CB	7/6/2010
H11X0023	NE EXCHANGE PL	L	L	L					CB	7/6/2010
H11X0061	NE ISLIAND	L	L	L					CB	7/7/2010
H1X0062	NE STORM	L	L	L					CB	7/7/2010
H12X0054	NW 33RD OHIO	L	L	L					CB	7/7/2010
H11X0020	NW 29TH MACDONALD	L	L	L					CB	7/7/2010
H11X0018	NW 28TH MACDONALD	L	L	L					CB	7/7/2010
H11X0013	NW 27TH MACDONALD	L	L	L					CB	7/7/2010
H12X0049	NW 33RD LEONA	L	L	L					CB	7/7/2010
H12X0050	NW CORNER LEONA	L	L	L					CB	7/7/2010
H11X0066	NW 33RD CT	L	L	L					CB	7/7/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
H11X9083	NS CORNER MACDONALD	L	L	L					CB	7/8/2010
H11X0017	NS CORNER MACDONALD	L	L	L					CB	7/8/2010
H11X0010	NE CONER MACDONALD	L	L	L					CB	7/8/2010
H12X9014	NW BISSELL AVE 35TH	L	L	L					CB	7/8/2010
H12X9069	NE BISSELL AVE 35TH	L	L	L					CB	7/8/2010
H12X9070	NS BISSELL AVE 35TH	L	L	L					CB	7/8/2010
J10X0005	NE CORNER13TH	L	L	L					CB	7/9/2010
H12X9062	NE CORNER BISSELL	L	L	L					CB	7/9/2010
H12X9063	NS CORNER BISSELL	L	L	L					CB	7/9/2010
H12X9068	NE S 37TH CHANSLOR	L	L	L					CB	7/9/2010
H12X0044	NE 39TH MACDONALD	L	L	L					CB	7/12/2010
NO ID	NW 40TH MACDONALD	L	L	L					CB	7/12/2010
NO ID	NE 40TH MACDONALD	L	L	L					CB	7/12/2010
H12X9067	NW 37TH ST	L	L	L					CB	7/12/2010
H12X9006	N 37TH ST	L	L	L					CB	7/12/2010
J12X0058 - J12X0057	NW CORNER CLINTON & 32ND	L	L	L					CB	7/9/2010
J120059-J12XOO60	NE CORNER CLINTON & 32ND	L	L	L					CB	7/9/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
J12X0064-J12X0065	NW CORNER CLINTON & 33RD	L	L	L					CB	7/9/2010
J12X0066-J12X0067	NE CORNER CLINTON & 33RD	L	L	L					CB	7/9/2010
J12X0069-J12X0072	NW CORNER CLINTON & 34TH	L	L	L					CB	7/9/2010
J12X0071-J12X0070	NE CORNER CLINTON & 35TH	L	L	L					CB	7/9/2010
J12X0057-J12X0055	SW MIDDLE 35TH ST	L	L	L					CB	7/9/2010
J12X0053-J12X0055	NW MIDDLE 35TH ST	L	L	L					CB	7/9/2010
J12X0041-J12X0042	SW CORNER 35TH ST	L	L	L					CB	7/9/2010
J12X0043-J12X0038	CENTER 35TH ST SOLANO	L	L	L					CB	7/9/2010
J12X0042-J12X0040	NW CORNER 36TH ST SOLANO	L	L	L					CB	7/9/2010
J12X0042-J12X0039	NE CORNER 36TH SOLANO	L	L	L					CB	7/9/2010
J12X0042-J12X0044	SW CORNER 36TH SOLANO	L	L	L					CB	7/9/2010
J12X0042-J12X0046	SE CORNER 36TH SOLANO	L	L	L					CB	7/9/2010
H12X0005	NW CORNER 32ND	L	L	L					CB	7/12/2010
H12X0007	NE CORNER 32ND	L	L	L					CB	7/12/2010
H12X0003	NW CORNER 32ND	L	L	L					CB	7/12/2010
H12X0004	NW CORNER 32ND	L	L	L					CB	7/12/2010
H12X0006	NS CORNER 33RD	L	L	L					CB	7/12/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
H12X0013	NS CORNER 33RD	L	L	L					CB	7/12/2010
H12X0010	NW CORNER 34TH	L	L	L					CB	7/12/2010
H12X0015	NW CORNER 34TH	L	L	L					CB	7/12/2010
H12X0019	NS CORNER 34TH	L	L	L					CB	7/12/2010
H12X0018	NS CORNER 34TH	L	L	L					CB	7/12/2010
H12X0012	NE CORNER 34TH	L	L	L					CB	7/12/2010
H12X0009	NE CORNER 34TH	L	L	L					CB	7/12/2010
H12X0016	NW CORNER 34TH	L	L	L					CB	7/12/2010
H12X0021	NW CORNER 38TH	L	L	L					CB	7/16/2010
H12X0022	NW CORNER 38TH	L	L	L					CB	7/16/2010
H12X0026	NE CORNER 38TH	L	L	L					CB	7/16/2010
H12X0024	NE CORNER 38TH	L	L	L					CB	7/16/2010
H12X0027	NW CORNER 39TH NEVIN	L	L	L					CB	7/16/2010
H12X0028	NE CORNER 39TH NEVIN	L	L	L					CB	7/16/2010
NO ID	NE CORNER 40TH NEVIN	L	L	L					CB	7/16/2010
NO ID	NW CORNER 40TH NEVIN	L	L	L					CB	7/16/2010
NO ID	NE CORNER 40TH NEVIN	L	L	L					CB	7/16/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
NO ID	NE CORNER 40TH NEVIN	L	L	L					CB	7/16/2010
H12X0030	NW CORNER 42ND NEVIN	L	L	L					CB	7/16/2010
H12X0037	NW CORNER 42ND NEVIN	L	L	L					CB	7/16/2010
H12X0032	NW CORNER 42ND NEVIN	L	L	L					CB	7/16/2010
NO ID	NS CORNER 42ND NEVIN	L	L	L					CB	7/16/2010
H13X0009	NW CORNER 44TH NEVIN	L	L	L					CB	7/16/2010
H13X0010	NE 45TH ST NEVIN	L	L	L					CB	7/16/2010
H13X0011	NW 45TH ST NEVIN	L	L	L					CB	7/16/2010
H13X0025	NW 45TH ST	L	L	L						7/16/2010
H13X0028	NE 45TH ST NEVIN	L	L	L					CB	7/16/2010
H13X9013	N 41TH ST MCDONALD	L	L	L					CB	7/16/2010
H13X0012	NW 46TH ST NEVIN	L	L	L					CB	7/16/2010
H13X0014	NS 46TH ST NEVIN	L	L	L					CB	7/16/2010
H13X0006	NS WILSON AVE	L	L	L					CB	7/16/2010
H13X0003	NE BARRETT	L	L	L					CB	7/16/2010
H13X0015	NW NEVIN & SAN PABLO	L	L	L					CB	7/16/2010
H13X0016	NW NEVIN & SAN PABLO	L	L	L					CB	7/16/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
H13X0017	NS NEVIN & SAN PABLO	L	L	L					CB	7/16/2010
NO ID	NE CARLSTON & MACDONALD	L	L	L					CB	7/16/2010
NO ID	NE CARLSTON & MACDONALD	L	L	L					CB	7/16/2010
NO ID	NW CARLSTON & MACDONALD	L	L	L					CB	7/16/2010
H13X0031	NE CORNER KEY BLVD	L	L	L					CB	7/19/2010
H13X0026	NE CORNER KEY BLVD	L	L	L					CB	7/19/2010
H13X0029	NW CORNER KEY BLVD	L	L	L					CB	7/19/2010
H13X0022	NW CORNER NO ACCESS	L	L	L					CB	7/19/2010
H13X0019	NW CARLSTON AVE	L	L	L					CB	7/19/2010
H13X0020	NS POINSETT AVE	L	L	L					CB	7/19/2010
H13X0039	NE ROOSEVELT AVE	L	L	L					CB	7/19/2010
H13X0041	NE ROOSEVELT AVE	L	L	L					CB	7/19/2010
H13X0037	NE SAN PABLO AVE	L	L	L					CB	7/19/2010
H13X0040	NW SAN PABLO AVE	L	L	L					CB	7/19/2010
H13X0050	NE I-80 E EXIT	L	L	L					CB	7/19/2010
H13X0051	NE I-80 E EXIT	L	L	L					CB	7/19/2010
H13X0046	NW SAN PABLO AVE	L	L	L					CB	7/19/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
NO ID	NE SAN PABLO AVE & ROOSEVELT	L	L	L					CB	7/19/2010
NO ID	NE SAN PABLO AVE & ROOSEVELT	L	L	L					CB	7/19/2010
H13X0027	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
H13X0018	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
H13X0015	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
H13X0012	NE MCLAUGHLIN ST								CB	7/19/2010
H13X0010	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
H13X008	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
H13X002	NE MCLAUGHLIN ST	L	L	L					CB	7/19/2010
J13X0070	N CLINTON AVE	L	L	L					CB	7/19/2010
I13X0029	NW ROOSEVELT AVE 43RD	L	L	L					CB	7/20/2010
I13X0032	NW ROOSEVELT AVE 43RD	L	L	L					CB	7/20/2010
I13X0031	NE ROOSEVELT AVE 43RD	L	L	L					CB	7/20/2010
I13X0034	NE ROOSEVELT AVE 43RD	L	L	L					CB	7/20/2010
I13X0019	NE 43RD	L	L	L					CB	7/20/2010
I13X0020	NW 43RD	L	L	L					MH	7/20/2010
I12X0022	NW 42ND ST	L	L	L					MH	7/20/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
J12X0066	NE CORNER CLINTON AVE	L	L	L					CUL	7/22/2010
J12X0064	NE CORNER CLINTON AVE	L	L	L	L				CUL	7/22/2010
J12X0065	NW CORNER CLINTON AVE	L	L	L	L				CUL	7/22/2010
NO ID	NW CORNER CLINTO AVE	L			L				CUL	7/22/2010
J12X0059	NE CORNER CLINTON AVE	M		L	L				CUL	7/22/2010
J12X0060	NE CORNER 32ND AVE		L		L				CUL	7/22/2010
J12X0058	NW CORNER 32 AVE			L	L				CUL	7/22/2010
J12X0029	NW CORNER GARVIN AVE	L	L	L	L				CUL	7/22/2010
J12X0013	NE CORNER GARVIN AVE		M	M	H				CUL	7/22/2010
J12X00022	NE CORNER GARVIN AVE 37TH			L	H				CUL	7/22/2010
J12X0032	NE CORNER GARVIN				L				CUL	7/22/2010
J12X0033	NE CORNER 37TH				L				CUL	7/22/2010
J12X0025	NW CORNER 38TH			L	L				CUL	7/22/2010
J12X0035	NW CORNER GARVIN & 38TH		L	L	L				CUL	7/22/2010
J12X0036	NW CORNER GARVIN & 38TH		L	L	L				CUL	7/22/2010
I13X0022	N ZAKA AVE	L	L	L					CB	7/20/2010
I13X0024	NS ZAKA AVE	L	L	L					CB	7/20/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
I13X0025	NE AMADOR ST	L	L	L					CB	7/20/2010
I13X006	NE WILSON AVE	L	L	L					CB	7/20/2010
I13X007	NE WILSON AVE	L	L	L					CB	7/20/2010
I12X0008	NW WILSON AVE	L	L	L					CB	7/20/2010
NO ID	NW CLINTON	L	L	L					CB	7/20/2010
J12X0068	NE WILSON AVE	L	L	L					CB	7/20/2010
J12X0067	NE WILSON AVE	L	L	L					CB	7/20/2010
J12X0061	N WILSON AVE	L	L	L					CB	7/20/2010
J12X0063	NE WILSON AVE & SOLANO	L	L	L					CB	7/21/2010
J12X0051	N SOLANO AVE	L	L	L					CB	7/21/2010
J12X0052	NE SOLANO AVE	L	L	L					CB	7/21/2010
J12X0054	NE SOLANO AVE	L	L	L					CB	7/21/2010
NO ID	NS 38TH ST SOLANO	L	L	L					CB	7/21/2010
J12X0047	NE CORNER SOLANO	L	L	L					CB	7/21/2010
J12X0045	NW CORNER SOLANO	L	L	L					CB	7/21/2010
J12X0069	NW CORNER SOLANO	L	L	L					CB	7/21/2010
NO ID	NW CORNER SOLANO	L	L	L					CUL	7/21/2010

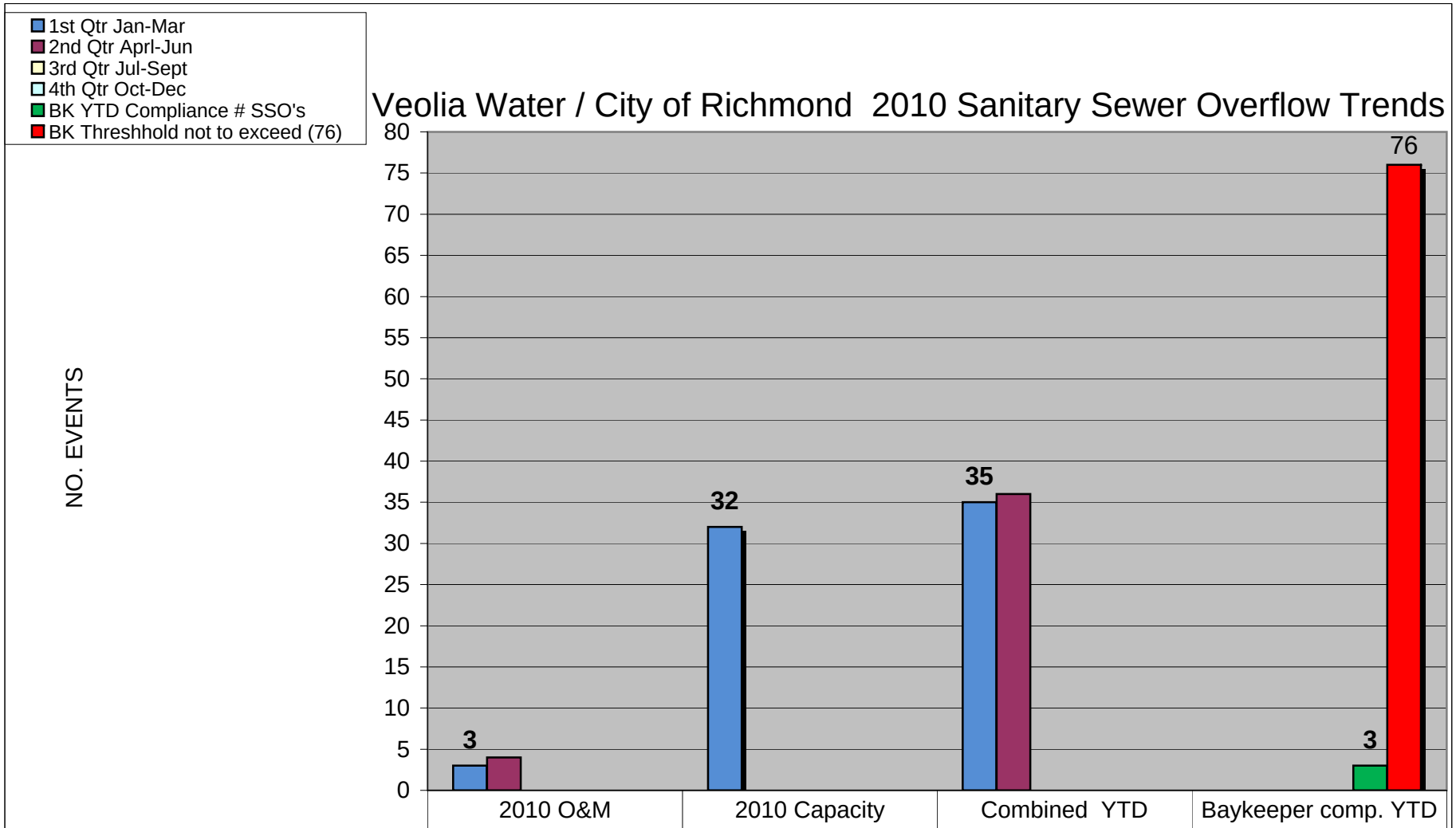
VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
J12X0060	NW CORNER SOLANO	L	L	L					CUL	7/21/2010
J12X0039	NW CORNER SOLANO	L	L	L					CUL	7/21/2010
J12X0044	NE CORNER SOLANO	L	L	L					CB	7/21/2010
J12X0046	NE CORNER SOLANO	L	L	L					CB	7/21/2010
J12X0061	NW CORNER 35TH ST	L	L	L					CB	7/22/2010
J12X0057	NE 35TH ST	L	L	L					CB	7/22/2010
J12X0053	NE 35TH ST	L	L	L					CUL	7/22/2010
J12X0070	NW 35TH ST	L	L	L					CUL	7/22/2010
J12X0069	NW CLINTON AVE	L	L	L					CUL	7/22/2010
J12X0073	N CLINTON AVE	L	L	L					CB	7/22/2010
J12X0074	NS CLINTON AVE	L	L	L					CB	7/22/2010
J12X0005	NW CORNER 35TH ST	M		L	L				CB	7/23/2010
J12X0011	NW CORNER 35TH ST	M		L	L				CUL	7/23/2010
J12X0020	NS CORNER 35TH ST				L				CUL	7/23/2010
J12X0021	NS CORNER 35TH ST	L		M	L				CUL	7/23/2010
J12X0012	NW CORNER 36TH ST	L		L	M				CB	7/23/2010
J12X0013	NE CORNER 36TH ST	L			H				CB	7/23/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
J12X0006	NE CORNER 37TH ST			M	M				CB	7/23/2010
J12X0007	NE WILSON & ESMOND AVE	L			L				CUL	7/23/2010
J12X0015	NW ESMOND AVE	H	H	H	L				CUL	7/23/2010
J12X0017	NE ESMOND AVE	L			L				CUL	7/23/2010
NO ID	NW WILSON AVE			L	L				CUL	7/23/2010
NO ID	NW 30TH ST & CLINTON	L	L		M				CUL	7/23/2010
NO ID	NE 30TH ST & CLINTON			L	H				CUL	7/23/2010
NO ID	NE 30TH ST & CLINTON	L		L	H				CUL	7/23/2010
NO ID	NE 30TH ST & CLINTON	M			H				CUL	7/23/2010
K11X0005-K11X0007	28TH & MARICOPA		L	L			60	60	CB	7/29/2010
K11X0007-K11X0019	28TH & RHEEM	M	L				327	327	MH	7/29/2010
K11X0014-K11X0018	28TH & RHEEM	M	H	H			100	100	CB	7/29/2010
K11X0019-K11X0035	28TH & HUMPREY	L		L			477	477	MH	7/30/2010
K11X0032-K11X0034	28TH & HUMPREY	L	L	L			75	75	CB	7/30/2010
K11X0035-K11X0041	28TH & ANDRADE	L	L	L			208	208	MH	7/30/2010
K11X0040-K11X0041	28TH & ANDRADE	L	L	L			42	42	CB	7/30/2010
K11X0041-K11X0046	28TH & ANDRADE	L	L	L			260	260	MH	7/30/2010

VEOLIA WATER STORM CLEANING SUMMARY JULY 2010										
Asset Id's	Location	Sediment	Debris	Trash	Vegetation	Oil	Cleaned	Length	CUL/CB/MH	Date
K11X0048-K11X0044	28TH & MCBRYDE	L	L	L			65	65	CB	7/30/2010
K11X0006-K11X0009	26TH & MARICOPA	L	L	L			60	60	CB	7/30/2010
K11X0008-K11X0009	26TH & MARICOPA	L	L	L			30	30	CB	7/30/2010
K11X0009-K11X0010	26TH & MARICOPA	L	L	L			200	200	MH	7/30/2010
K11X0011-K11X0010	26TH & RHEEM	H	H	H			10	10	CB	7/30/2010
K11X0010-K11X0016	26TH & RHEEM	L	L	L			100	100	MH	7/30/2010
K11X0017-K11X0016	26TH & RHEEM	H	H	H			10	10	CB	7/30/2010
K11X0016-K11X0024	26TH & LOWELL	L	L	L			170	170	MH	7/30/2010
K11X0026-K11X0030	26TH & LOWELL	L	L	L			20	20	CUL	7/30/2010
K11X0027-K11X0031	26TH & LOWELL	L	L	L			20	20	CUL	7/30/2010
K11X0031-K11X0024	26TH & LOWELL	L	L	L			60	60	CUL/MH	7/30/2010
K11X0024-K11X0022	LOWELL & 24TH	M	L	L			628	628	MH	7/30/2010
K11X0013-K11X0022	24TH & LOWELL	L	L	L			220	220	MH	7/30/2010
K11X0022-K11X0023	LOWELL &23RD						565	565	MH	7/30/2010

Veolia Water June 2010 Storm and Sanitary Point Repairs					
Date	**Address**	**Line Segment**	**Point Repair**	**Sanitary or Storm?**	**Pipe Length R and R**
7/2/2010	Fresno and Sta Clara St	B14-C14	Saw cut removed concrete, repaired crushed culvert and placed back concrete	Storm	
7/7/2010	736 7th St	I12SF645-I12MH1060	Installed backflow valve and FI christy box	Sanitary	
6/20/2010	320 31st	H11SF723-H11MH1485	Placed trench plate and asphalt cut back over cink hole	Sanitary	
7/7/2010	12723 San Pablo Ave	J12MH575-J12MH537	Large void under city sidewalk. BHI saw cut and excavated slow due to ulitilies we excavated 5' and placed trench plate	Sanitary	
7/8/2010	12723 San Pablo Ave	J12MH575-J12MH537	Saw cut concrete, Located void under exixting electrical vault. We removed and replaced 8' of main line and installed a new Y, backfilled and prepped for concrete	Sanitary	8'
7/9/2010	12723 San Pablo Ave	J12MH575-J12MH537	Placed and finished city sidewalk	Sanitary	
7/12/2010	33rd and Barrett	I12MH1054-I12MH1055	Void, removed and replaced 5' of M-L, backfilled and placed hot asphalt	Sanitary	5'
7/13/2010	S 52nd and Potrero	F13MH2815-F13MH2069	Void. Removed and replaced 6' of M-L, installed a new lateral Y and 5' and 4" backfilled.	Sanitary	6'
7/14/2010	24th and Rheem	K11MH1882-K11MH2076	Void, removed and replaced 5' of M-L, backfilled and placed cutback, no asphalt	Sanitary	5'
7/15/2010	23rd and Rheem	K11MH2566-K11MH1888	Sink hole. We removed and replaced 5' of M-L, backfilled and placed hot asphalt in two locations.	Sanitary	5'
7/19/2010	25th and Pine	L11SF801-L11M1620	Void. Removed and replaced 5' of M-L, # 2, 22 bends and raised the lamp hole	Sanitary	5'

Veolia Water June 2010 Storm and Sanitary Point Repairs					
Date	**Address**	**Line Segment**	**Point Repair**	**Sanitary or Storm?**	**Pipe Length R and R**
7/20/2010	15TH and Dunn	K10MH2210-K10MH2209	Void. R and R 4' of M-L and installed a new 6 x 6 x 4" Y, backfilled and paved.	Sanitary	4'
7/22/2010	Hilltop Mall Rd	Q13X006	Crushed inlet saw cut, repaired metal tray placed and finished concrete	Storm	
7/23/2010	Klose Way	Q13X0025	Crushed inlet saw cut, repaired metal tray placed and finished concrete	Storm	
7/21/2010	15th and Burbeck	J10MH1561-J10MH1560	Void at the MH under the existing 6" water main line. We removed 7 replaced 5' BF and paved	Sanitary	5'
7/26/2010	852 30th	J12SF630-J12MH1072	Void, R and R 6' of M-L and installed a new 6 x 6 x 4" Y B-F and paved	Sanitary	6'
7/27/2010	337 28th st	H11SF318-H11MH1174	Sink hole at E lamp hole. Installed 2 6" bends placed back lamp hole Backfilled and paved	Sanitary	6'



	2010 O&M	2010 Capacity	Combined YTD	Baykeeper comp. YTD
1st Qtr Jan-Mar	3	32	35	
2nd Qtr Aprl-Jun	4	0	36	
3rd Qtr Jul-Sept	0	0		
4th Qtr Oct-Dec				
BK YTD Compliance # SSO's				3
BK Threshhold not to exceed (76)				76

Scheduled Sanitary Sewer Cleaning for September 2010		
Length	**Veolia Asset ID**	**Historical ID**
446.00	J11MH1430_J11MH1442	030024_030022
250.00	K11MH1884_K11MH2773	020053_520075
250.00	K11MH2773_K11MH1883	520439_020046
412.00	K11SF499_K11MH1883	020045_020046
238.00	K11MH1883_K11MH1881	020046_020054
563.00	K11MH1881_K11MH2077	020054_020053
32.52	K11MH2077_K11MH2470	020053_520075
298.74	K11MH2076_K11MH2566	020055_520180
305.37	K11MH2566_K11MH1888	520180_020052
500.00	K11MH2144_K11MH2143	020062_020061
601.00	K11MH2143_K11MH1889	020061_020060
628.00	K11MH2139_K11MH2141	020073_020072
608.00	K11MH2141_K11MH2146	020072_020071
608.00	K11MH2138_K11MH2147	020082_020079
626.00	J11MH1892_J11MH1897	020141_020140
582.53	J11MH1897_J11MH2078	020140_020139
127.48	J11MH2078_J11MH1608	020139_020144.01
31.92	J11MH1608_J11MH2128	020144.01_020144
649.00	J11MH1894_J11MH1895	020156_020155
610.41	J11MH1895_J11MH2131	020155_020154
28.00	J11MH2131_J11MH2130	020154_020153
166.00	J11MH2129_J11MH2131	020147_020154

Scheduled Sanitary Sewer Cleaning for September 2010		
Length	**Veolia Asset ID**	**Historical ID**
657.28	J11MH2059_J11MH1433	030004_030003
553.89	J11MH1433_J11MH1435	030003_030002
282.00	J11MH2131_J11MH1435	020154_030002
643.02	J11MH2060_J11MH1432	030010_030009
565.98	J11MH1432_J11MH1438	030009_030008
258.12	J11MH1435_J11MH2479	030002_520079
9.43	J11MH2479_J11MH1438	520079_030008
568.13	J11MH1431_J11MH1439	030014_030013
237.08	J11MH1438_J11MH1439	030008_030013
265.00	J11MH1439_J11MH1442	030013_030022
114.40	J11SF444_J11MH1442	030023_030022
31.16	J11MH1442_J11MH1441	030022_030021
373.46	K11SF503_K11MH2472	020058_020065
30.00	K11MH2472_K11MH2145	020065_020066
13.17	J11MH2478_J11MH1436	520078_030006
355.00	J11MH1436_J11MH2480	030006_030018
39.00	J11MH2480_J11MH1440	030018_030019
544.46	F13MH1927_E13MH1874	140131_140184
32.14	G12MH210_G12MH211	130093_130092
313.89	G12MH215_G12MH210	130099_130093
261.32	G12MH1178_G12MH1177	130040_130052
194.09	G12MH1177_G12MH1372	130052_130067

Scheduled Sanitary Sewer Cleaning for September 2010		
Length	**Veolia Asset ID**	**Historical ID**
254.61	G12MH217_G12MH215	130104_130099
501.40	G12MH203_G12MH217	130105_130104
335.00	G12SF259_G12MH203	130108_130105
410.87	G12MH1009_G12MH1010	130032_130031
410.79	G12MH1004_G12MH1012	130055_130054
420.60	G12MH916_G12MH1013	130072_130070
259.48	G12MH218_G12MH217	130109_130104
260.44	G12MH828_G12MH218	130113_130109
326.96	G12SF263_G12MH207	130115_130114
467.73	G12MH207_G12MH828	130114_130113
314.63	G12MH685_G12MH682	130127_130126
288.42	G12MH1018_G12MH685	130128_130127
301.74	G12MH1023_G12MH1024	130063_130085
288.65	G12MH1025_G12MH1023	130050_130063
259.99	G12MH837_G12MH836	130037_130049
260.03	G12MH836_G12MH834	130049_130062
226.51	F13MH1922_F13MH2009	140128_140127
318.04	F13MH2009_F13MH1927	140127_140131
258.84	E13MH2075_E13MH2072	140203_140201
301.00	E13MH2038_E13MH2075	140211_140203
126.06	E13MH2036_E13MH2038	140215_140211
532.17	F13MH2013_F13MH2008	140111_140109

Scheduled Sanitary Sewer Cleaning for September 2010		
Length	**Veolia Asset ID**	**Historical ID**
115.77	F13SF601_F13MH2012	140137_140136
281.73	F13SF575_F13MH2012	140138_140136
235.72	F13MH2012_F13MH2010	140136_140133
37.18	F12MH827_F12MH201	140019_140026
402.12	F12MH201_F12MH2022	140026_140027
418.21	F13MH439_F13MH431	140056_140054
187.68	F13MH1921_F13MH2008	140129_140109
236.00	E14SF579_E14MH469	140259_140258
555.79	E13MH1966_E13MH2038	140212_140211
320.00	E13MH1978_E13MH2075	140204_140203
217.19	E13MH2169_E13MH1978	140207_140204
285.20	E13MH2027_E13MH1874	140192_140184
206.90	E13MH1979_E13MH1978	140205_140204
549.57	F13MH2002_F12MH2022	140084_140027
356.42	F12SF254_F12MH825	140014_140015
47.13	F12MH825_F12MH826	140015_140016
255.48	F12MH826_F12MH827	140016_140019
51.52	H13MH239_H13MH240	010346_010333
247.57	H13MH238_H13MH239	010337_010346
317.05	F13MH441_F13MH2004	140074_140073
326.32	H13MH230_H13MH239	010348_010346
324.00	H13SF113_H13MH239	010347_010346

Scheduled Sanitary Sewer Cleaning for September 2010		
Length	**Veolia Asset ID**	**Historical ID**
404.48	H13SF1012_H13MH231	610104_010350
259.52	H12MH831_G12MH837	040177_130037
559.27	H12MH699_H12MH2085	040172_040171
251.23	H12SF135_H12MH271	040140_040136
259.54	H12MH258_H12SF135	040142_040140
260.39	H12MH1039_H12MH1038	040153_040152
99.66	H12MH1038_H12MH1037	040152_040151
136.28	E13MH1916_E13MH1874	140185_140184
211.41	F13MH2010_F13MH1927	140133_140131
302.57	G12MH1013_G12MH1016	130070_130090
115.94	F13SF603_F13MH2382	140113_520384
147.95	F13MH2382_F13MH2013	520384_140111
338.33	H12MH2784_H12MH1037	520351_040151
227.96	F12MH2737_F12MH2394	520389_520019
260.01	H12MH259_H12MH257	040146_040144
445.97	H12SF664_H12MH257	040145_040144

Veolia Water August 2010 Hotspots		
Length	**Asset**	**Historical ID**
446.00	J11MH1430_J11MH1442	030024_030022
250.00	K11MH1884_K11MH2773	020039_520439
250.00	K11MH2773_K11MH1883	520439_020046
412.00	K11SF499_K11MH1883	020045_020046
238.00	K11MH1883_K11MH1881	020046_020054
563.00	K11MH1881_K11MH2077	020054_020053
32.52	K11MH2077_K11MH2470	020053_520075
298.74	K11MH2076_K11MH2566	020055_520180
305.37	K11MH2566_K11MH1888	520180_020052
500.00	K11MH2144_K11MH2143	020062_020061
601.00	K11MH2143_K11MH1889	020061_020060
628.00	K11MH2139_K11MH2141	020073_020072
608.00	K11MH2141_K11MH2146	020072_020071
608.00	K11MH2138_K11MH2147	020082_020079
626.00	J11MH1892_J11MH1897	020141_020140
582.53	J11MH1897_J11MH2078	020140_020139
127.48	J11MH2078_J11MH1608	020139_020144.01
31.92	J11MH1608_J11MH2128	020144.01_020144
649.00	J11MH1894_J11MH1895	020156_020155
610.41	J11MH1895_J11MH2131	020155_020154
28.00	J11MH2131_J11MH2130	020154_020153
166.00	J11MH2129_J11MH2131	020147_020154
657.28	J11MH2059_J11MH1433	030004_030003
553.89	J11MH1433_J11MH1435	030003_030002
282.00	J11MH2131_J11MH1435	020154_030002

Veolia Water August 2010 Hotspots		
Length	**Asset**	**Historical ID**
643.02	J11MH2060_J11MH1432	030010_030009
565.98	J11MH1432_J11MH1438	030009_030008
258.12	J11MH1435_J11MH2479	030002_520079
9.43	J11MH2479_J11MH1438	520079_030008
568.13	J11MH1431_J11MH1439	030014_030013
237.08	J11MH1438_J11MH1439	030008_030013
265.00	J11MH1439_J11MH1442	030013_030022
114.40	J11SF444_J11MH1442	030023_030022
31.16	J11MH1442_J11MH1441	030022_030021
373.46	K11SF503_K11MH2472	020058_020065
30.00	K11MH2472_K11MH2145	020065_020066
13.17	J11MH2478_J11MH1436	520078_030006
355.00	J11MH1436_J11MH2480	030006_030018
39.00	J11MH2480_J11MH1440	030018_030019
544.46	F13MH1927_E13MH1874	140131_140184
32.14	G12MH210_G12MH211	130093_130092
313.89	G12MH215_G12MH210	130099_130093
261.32	G12MH1178_G12MH1177	130040_130052
194.09	G12MH1177_G12MH1372	130052_130067
254.61	G12MH217_G12MH215	130104_130099
501.40	G12MH203_G12MH217	130105_130104
335.00	G12SF259_G12MH203	130108_130105
410.87	G12MH1009_G12MH1010	130032_130031
410.79	G12MH1004_G12MH1012	130055_130054
420.60	G12MH916_G12MH1013	130072_130070

Veolia Water August 2010 Hotspots		
Length	Asset	Historical ID
259.48	G12MH218_G12MH217	130109_130104
260.44	G12MH828_G12MH218	130113_130109
326.96	G12SF263_G12MH207	130115_130114
467.73	G12MH207_G12MH828	130114_130113
314.63	G12MH685_G12MH682	130127_130126
288.42	G12MH1018_G12MH685	130128_130127
301.74	G12MH1023_G12MH1024	130063_130085
288.65	G12MH1025_G12MH1023	130050_130063
259.99	G12MH837_G12MH836	130037_130049
260.03	G12MH836_G12MH834	130049_130062
226.51	F13MH1922_F13MH2009	140128_140127
318.04	F13MH2009_F13MH1927	140127_140131
258.84	E13MH2075_E13MH2072	140203_140201
301.00	E13MH2038_E13MH2075	140211_140203
126.06	E13MH2036_E13MH2038	140215_140211
532.17	F13MH2013_F13MH2008	140111_140109
115.77	F13SF601_F13MH2012	140137_140136
281.73	F13SF575_F13MH2012	140138_140136
235.72	F13MH2012_F13MH2010	140136_140133
37.18	F12MH827_F12MH201	140019_140026
402.12	F12MH201_F12MH2022	140026_140027
418.21	F13MH439_F13MH431	140056_140054
187.68	F13MH1921_F13MH2008	140129_140109
236.00	E14SF579_E14MH469	140259_140258
555.79	E13MH1966_E13MH2038	140212_140211

Veolia Water August 2010 Hotspots		
Length	**Asset**	**Historical ID**
320.00	E13MH1978_E13MH2075	140204_140203
217.19	E13MH2169_E13MH1978	140207_140204
285.20	E13MH2027_E13MH1874	140192_140184
206.90	E13MH1979_E13MH1978	140205_140204
549.57	F13MH2002_F12MH2022	140084_140027
356.42	F12SF254_F12MH825	140014_140015
47.13	F12MH825_F12MH826	140015_140016
255.48	F12MH826_F12MH827	140016_140019
51.52	H13MH239_H13MH240	010346_010333
247.57	H13MH238_H13MH239	010337_010346
317.05	F13MH441_F13MH2004	140074_140073
326.32	H13MH230_H13MH239	010348_010346
324.00	H13SF113_H13MH239	010347_010346
404.48	H13SF1012_H13MH231	610104_010350
259.52	H12MH831_G12MH837	040177_130037
559.27	H12MH699_H12MH2085	040172_040171
251.23	H12SF135_H12MH271	040140_040136
259.54	H12MH258_H12SF135	040142_040140
260.39	H12MH1039_H12MH1038	040153_040152
99.66	H12MH1038_H12MH1037	040152_040151
136.28	E13MH1916_E13MH1874	140185_140184
211.41	F13MH2010_F13MH1927	140133_140131
302.57	G12MH1013_G12MH1016	130070_130090
115.94	F13SF603_F13MH2382	140113_520384
147.95	F13MH2382_F13MH2013	520384_140111

Veolia Water August 2010 Hotspots		
Length	**Asset**	**Historical ID**
338.33	H12MH2784_H12MH1037	520351_040151
227.96	F12MH2737_F12MH2394	520389_520019
260.01	H12MH259_H12MH257	040146_040144
445.97	H12SF664_H12MH257	040145_040144