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San Bernardino Municipal Water Department

Operations Monthly Treatment Report

Newmark OU / Towers / 19th St South GAC / 19th St North GAC

Reporting Period: Oct 2006

CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

EPA 17th Street Plant

Production GAC Wells

EPA 003	165.960	AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	44.513	185.601	1B	0.000	596.009
2A	38.347	181.677	2B	0.000	587.466
3A	101.823	271.896	3B	0.000	600.316
Totals	**184.683 AF**	**639.174 AF**		**0.000 AF**	**1783.791 AF**

Vessels			
TCE-In	0.6		
TCE-Out	0.0		
PCE-In	2.7		
PCE-Out	0.0		
Total	**3.3 ug/L**	**lbs Removed**	**1.66**

EPA South Plant and Waterman Towers

Production GAC Wells

EPA 002	208.200	
EPA 004	203.969	
EPA 005	222.518	
Total	**634.687 AF**	

Tower Wells		Wells		Towers	
Waterman	238.930	TCE+PCE-In	4.1	TCE+PCE-Out	0.0
30th St.	258.930	TCE+PCE-In	4.1	TCE+PCE-Out	0.0
South Total	**497.860 AF**				
Leroy	78.423	TCE+PCE-In	4.1	TCE+PCE-Out	0.0
31st St.	77.443	TCE+PCE-In	4.1	TCE+PCE-Out	0.0
North Total	**155.866 AF**				

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	1075.898	1B	62.160	297.897
2A	0.000	1037.317	2B	103.092	377.538
3A	0.000	1071.177	3B	61.504	291.947
4A	0.000	1030.841	4B	60.627	285.151
5A	0.000	1045.364	5B	103.205	348.195
6A	0.000	583.778	6B	105.572	367.855
7A	0.000	836.614	7B	59.263	308.911
8A	0.000	972.046	8B	68.558	369.303
Totals	**0.000 AF**	**7653.035 AF**		**623.981 AF**	**2646.797 AF**

Vessels				Towers	
TCE-In	0.6			**#'s Removed Waterman**	2.66
TCE-Out	0.0			**#'s Removed 30th St**	2.88
PCE-In	2.4			**#'s Removed Leroy**	0.87
PCE-Out	0.0			**#'s Removed 31st St**	0.86
Total	**3.0 ug/L**	**lbs Removed**	**5.09**	**Total pounds Removed Tower**	**7.28**

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EPA North Plant and Newmark Towers

Production GAC Wells		Tower Wells					
		Newmark 1	6.511	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
EPA 006	112.367	Newmark 4	18.365	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
EPA 007	184.004	West Tower	24.876 AF				
NM3	125.374	Newmark 2	15.292	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
Total	421.745 AF	East Total	15.292 AF				

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	43.946	551.703	1B	0.000	0.000
2A	101.774	674.450	2B	0.000	0.000
3A	44.107	599.153	3B	0.000	0.000
4A	46.334	880.280	4B	0.000	0.000
5A	44.114	848.629	5B	0.000	0.000
6A	46.924	868.150	6B	0.000	0.000
7A	97.158	895.376	7B	0.000	0.000
Totals	424.357 AF	5317.741 AF		0.000 AF	0.000 AF

Vessels				Towers	
TCE-In	0.5			#'s Removed Newmark 1	0.01
TCE-Out	0.0			#'s Removed Newmark 4	0.02
PCE-In	2.7			#'s Removed Newmark 2	0.02
PCE-Out	0.0				
Total	3.2 ug/L	lbs Removed	3.69	Total pounds Removed Tower	0.05

19th Street South Plant

Production GAC Wells	
19th St 1	135.973
19th St 2	0.133 AF
Total	136.106 AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	704.081	1B	35.317	413.781
2A	0.000	762.205	2B	34.906	303.045
3A	0.000	795.884	3B	35.819	227.474
4A	0.000	758.694	4B	35.496	246.841
Totals	0.000 AF	3020.864 AF		141.538 AF	1191.141 AF

Vessels			
TCE-In	0.5		
TCE-Out	0.0		
PCE-In	3.8		
PCE-Out	0.0		
Total	4.3 ug/L	lbs Removed	1.65

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EPA 19th Street North Plant

Production GAC Wells

EPA 1	194.470	AF
EPA 108	201.157	AF
EPA 109	177.934	AF
EPA 110	225.567	AF
EPA 111	299.562	AF
EPA 112	71.901	AF
Totals	**1170.591**	**AF**

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	93.919	1773.541	1B	0.000	0.000
2A	99.167	1872.056	2B	0.000	0.000
3A	98.886	2024.232	3B	0.000	0.000
4A	65.147	1877.388	4B	0.000	0.000
5A	105.023	2048.918	5B	0.000	0.000
6A	96.919	2211.654	6B	0.000	0.000
7A	0.000	0.000	7B	0.000	0.000
8A	88.202	1726.376	8B	0.000	0.000
9A	94.421	1892.480	9B	0.000	0.000
10A	98.976	1881.241	10B	0.000	0.000
11A	95.050	1915.042	11B	0.000	0.000
12A	96.912	2100.820	12B	0.000	0.000
13A	103.590	1998.050	13B	0.000	0.000
14A	0.000	0.000	14B	0.000	0.000
Totals	**1136.212 AF**	**23321.798 AF**		**0.000 AF**	**0.000 AF**

Vessels			
TCE-In	0.9		
TCE-Out	0.0		
PCE-In	4.1		
PCE-Out	0.0		
Total	**5.0 ug/L**	**lbs Removed**	**15.44**

Summary Monthly		**Year to Date**	
Total AF Treated GAC	2510.771	**Total AF Treated GAC**	26694.536
Total AF Treated Towers	693.894	**Total AF Treated Towers**	6556.967
Combined AF Treated	**3204.665**	**Combined AF Treated**	**33251.503**
Total lbs Removed GAC	27.5	**Total lbs Removed GAC**	293.2
Total lbs Removed Towers	7.3	**Total lbs Removed Towers**	65.3
Combined Pounds Removed	**34.9**	**Combined Pounds Removed**	**358.5**