
APPENDIX D

**Muscoy OU Operations and
Treatment Report (SBMWD) –
October 2005**

San Bernardino Municipal Water Department

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W.U. ADMINISTRATION

Operations Monthly Treatment Report

NOV 17 2005

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

Reporting Period: Oct 2005

CITY OF SAN BERNARDINO
WATER TREATMENT

Production GAC Wells

EPA 003 [REDACTED] AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	[REDACTED]	756.382	1B	[REDACTED]	870.637
2A	[REDACTED]	721.243	2B	[REDACTED]	893.632
3A	[REDACTED]	747.581	3B	[REDACTED]	918.530
Totals	215.178 AF	2225.206 AF		0.000 AF	2682.799 AF

Vessels	
TCE-In	[REDACTED]
TCE-Out	[REDACTED]
PCE-In	[REDACTED]
PCE-Out	[REDACTED]
Total	4.8 ug/L lbs Removed 2.81

EPA 002, 004, 005

Production GAC Wells	Tower Wells	Wells	Towers
	EPA 002 [REDACTED] EPA 004 [REDACTED] EPA 005 [REDACTED]	Waterman 30th St. [REDACTED]	TCE+PCE-In [REDACTED] TCE+PCE-In [REDACTED]
Total	South Tower Total 89.658 AF		
	Leroy 31st St. [REDACTED]	TCE+PCE-In [REDACTED] TCE+PCE-In [REDACTED]	TCE+PCE-Out [REDACTED] TCE+PCE-Out [REDACTED]
	North Tower Total 2.131 AF		

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	[REDACTED]	360.232	1B	[REDACTED]	1015.341
2A	[REDACTED]	335.365	2B	[REDACTED]	1012.581
3A	[REDACTED]	350.721	3B	[REDACTED]	994.248
4A	[REDACTED]	359.715	4B	[REDACTED]	1030.361
5A	[REDACTED]	344.018	5B	[REDACTED]	989.723
6A	[REDACTED]	177.463	6B	[REDACTED]	1033.084
7A	[REDACTED]	336.500	7B	[REDACTED]	1046.111
8A	[REDACTED]	391.321	8B	[REDACTED]	1198.688
Totals	612.510 AF	2655.335 AF		0.000 AF	8320.137 AF

Vessels		Towers	
TCE-In	[REDACTED]	#s Removed Waterman	1.08
TCE-Out	[REDACTED]	#s Removed 30th St	0.60
PCE-In	[REDACTED]	#s Removed Leroy	0.02
PCE-Out	[REDACTED]	#s Removed 31st St	0.02
Total	3.2 ug/L lbs Removed 5.33	Total pounds Removed Tower	1.72

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

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Production GAC Wells		Tower Wells					
EPA 006		Newmark 1		TCE+PCE-In		TCE+PCE-Out	
EPA 007		Newmark 4		TCE+PCE-In		TCE+PCE-Out	
NM3		West Tower Total		22.162 AF			
Total		East Tower Total		0.000 AF			
360.262 AF							
GAC Treatment							
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out		
1A		55.645	1B		528.430		
2A		90.647	2B		506.262		
3A		75.191	3B		385.655		
4A		86.375	4B		483.411		
5A		81.090	5B		479.463		
6A		83.471	6B		537.707		
7A		70.638	7B		529.313		
Totals		382.640 AF			543.057 AF	0.000 AF	3450.241 AF
Vessels				Towers			
TCE-In				#s Removed Newmark 1		0.01	
TCE-Out				#s Removed Newmark 4		0.02	
PCE-In				#s Removed Newmark 2		0.00	
PCE-Out							
Total		4.3 ug/L	lbs Removed	4.47	Total pounds Removed Tower		0.03

Production GAC Wells							
19th St 1							
19th St 2		AF					
Mt Vernon							
Total		153.079 AF					
GAC Treatment							
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out		
1A		593.543	1B		0.000		
2A		623.866	2B		0.000		
3A		663.557	3B		0.000		
4A		620.015	4B		0.000		
Totals		150.082 AF			2500.981 AF	0.000 AF	0.000 AF
Vessels							
TCE-In							
TCE-Out							
PCE-In							
PCE-Out							
Total		4.7 ug/L	lbs Removed	1.92			

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

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EPA 19th Street North Plant

Production GAC Wells

EPA 001	AF
EPA 108	AF
EPA 109	AF
EPA 110	AF
EPA 111	AF
EPA 112	AF

Totals 1334.578 AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A		587.116	1B		0.000
2A		551.810	2B		0.000
3A		694.025	3B		0.000
4A		628.899	4B		0.000
5A		703.029	5B		0.000
6A		941.265	6B		0.000
7A		0.000	7B		0.000
8A		583.699	8B		0.000
9A		613.237	9B		0.000
10A		563.730	10B		0.000
11A		673.226	11B		0.000
12A		734.331	12B		0.000
13A		679.424	13B		0.000
14A		0.000	14B		0.000
Totals	1334.578 AF	7953.791 AF		0.000 AF	0.000 AF

Vessels

TCE-In	
TCE-Out	
PCE-In	
PCE-Out	
Total	6.5 ug/L lbs Removed 23.57

Summary

Monthly		Year to Date	
Total AF Treated GAC	2694.988	Total AF Treated GAC	21646.100
Total AF Treated Towers	113.951	Total AF Treated Towers	5762.195
Combined AF Treated	2808.939	Combined AF Treated	27408.295
Total lbs Removed GAC	38.1	Total lbs Removed GAC	279.2
Total lbs Removed Towers	1.8	Total lbs Removed Towers	70.1
Combined Pounds Removed	39.8	Combined Pounds Removed	349.3