San Bernardino Municipal Water Department Water Quality Monthly Report
Newmark OU/Towers/19th St GAC
Month of April 2005

19th Street NORTH GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	Week 1 PCE (ug/L)	Week 1 TCE (ug/L)	Week 2 PCE (ug/L)	Week 2 TCE (ug/L)	Week 3 PCE (ug/L)	Week 3 TCE (ug/L)	Week 4 PCE (ug/L)	Week 4 TCE (ug/L)	Week 5 PCE (ug/L)	Week 5 TCE (ug/L)	NO_3 (mg/L)
EPA Well 01	4/26/2005	A			<1.0	6.0	1.8											24.0
EPA Well 108	4/26/2005	A			1.0	1.0	<0.5											0.0
EPA Well 109	4/26/2005	A			8.0	7.5	1.6											25.0
EPA Well 110	4/26/2005	A			1.5	8.8	1.6											19.0
EPA Well 111	4/26/2005	A			1.0	7.3	1.0											25.0
EPA Well 112	4/26/2005	A			1.0	4.3	<0.5											25.0
Combined Influent	4/26/2005					6.3	1.1											
LEAD VESSEL 1A	4/26/2005		<1.1	<1.1	<1.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 2A	4/26/2005		<1.1	<1.1	3.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 3A	4/26/2005		<1.1	<1.1	4.5			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 4A	4/26/2005		<1.1	<1.1	14.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 5A	4/26/2005		<1.1	<1.1	10.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 6A	4/26/2005		<1.1	<1.1	11.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 8A	4/26/2005		<1.1	<1.1	50.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 9A	4/26/2005		<1.1	<1.1	29.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 10A	4/26/2005		<1.1	<1.1	10.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 11A	4/26/2005		<1.1	<1.1	8.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 12A	4/26/2005		<1.1	<1.1	41.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
LEAD VESSEL 13A	4/26/2005		<1.1	<1.1	22.0			0.0	0.0	0.0	0.0	0.0	0.0	<0.5	<0.5	0.0	0.0	
Combined Effluent	4/26/2005		<1.1	<1.1	120			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.0	0.0	

Waterman Stripping Towers	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC			PCE	TCE	TB	FB
Waterman Combined Tower Influent	4/12/2005							5.8	0.8	<0.5	<0.5
Waterman N. Tower Effluent	4/12/2005	A			1.0			<0.5	<0.5	<0.5	<0.5
Waterman S. Tower Effluent		A			1.0			<0.5	<0.5	<0.5	<0.5

Newmark Stripping Towers	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC			PCE	TCE	TB	FB
Newmark W. Tower Influent	4/12/2005							<0.5	<0.5	<0.5	<0.5
Newmark W. Tower Effluent	4/12/2005	A			1.0			<0.5	<0.5	<0.5	<0.5
Newmark E. Tower Influent	4/12/2005							<0.5	<0.5	<0.5	<0.5
Newmark E. Tower Effluent	4/12/2005	A			<1.0			<0.5	<0.5	<0.5	<0.5

NOTE: If any VOC contaminant is detected in the Towers' Effluent Samples, the laboratory report(s) will be attached for DHS review.

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

Reporting Period: Apr 2005

EPA 17th Street Plant

Production GAC Wells

EPA 3	178.522	AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	58.193	317.700	1B	0.000	870.637
2A	59.236	317.867	2B	0.000	893.632
3A	61.093	327.010	3B	0.000	918.530
Totals	**178.522 AF**	**962.577 AF**		**0.000 AF**	**2682.799 AF**

Vessels			
TCE-In	0.9		
TCE-Out	0.0		
PCE-In	3.5		
PCE-Out	0.0		
Total	**4.4 ug/L**	**lbs Removed**	**2.13**

EPA South Plant and Waterman Towers

Production GAC Wells

EPA 2	167.592	
EPA 4	192.241	
EPA 5	203.124	
Total	**562.957**	**AF**

Tower Wells	Wells		Towers	
Waterman	153.976	TCE+PCE-In	6.6	TCE+PCE-Out 0.0
30th St.	103.937	TCE+PCE-In	6.6	TCE+PCE-Out 0.0
South Total	257.913 AF			
Leroy	68.469	TCE+PCE-In	6.6	TCE+PCE-Out 0.0
31st St.	7.371	TCE+PCE-In	6.6	TCE+PCE-Out 0.0
North Total	75.840 AF			

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	918.061	1B	67.748	916.733
2A	0.000	831.694	2B	69.263	910.331
3A	0.000	939.314	3B	68.792	891.296
4A	0.000	912.523	4B	69.926	924.468
5A	0.000	910.690	5B	70.103	870.538
6A	0.000	1076.964	6B	72.293	916.101
7A	0.000	983.488	7B	69.217	919.275
8A	0.000	1154.402	8B	81.093	1060.373
Totals	**0.000 AF**	**7727.136 AF**		**568.435 AF**	**7409.115 AF**

Vessels			
TCE-In	0.6		
TCE-Out	0.0		
PCE-In	1.8		
PCE-Out	0.0		
Total	**2.4 ug/L**	**lbs Removed**	**3.71**

Towers	
#'s Removed Waterman	2.76
#'s Removed 30th St	1.86
#'s Removed Leroy	1.23
#'s Removed 31st St	0.13
Total pounds Removed Tower	**5.99**

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

Reporting Period: Apr 2005

EPA North Plant and Newmark Towers

Production GAC Wells		Tower Wells					
EPA 6	53.264	Newmark 1	6.237	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
EPA 7	184.966	Newmark 4	75.865	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
NM3	46.102	West Tower	82.102 AF				
		Newmark 2	15.914	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
Total	284.332 AF	North Total	15.914 AF				

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	593.993	1B	51.804	269.136
2A	0.000	512.942	2B	47.529	253.405
3A	0.000	687.148	3B	48.969	270.075
4A	0.000	654.102	4B	59.623	291.080
5A	0.000	583.808	5B	56.705	269.163
6A	0.000	530.750	6B	58.165	279.574
7A	0.000	598.819	7B	44.401	248.660
Totals	0.000 AF	4161.562 AF		367.196 AF	1881.093 AF

Vessels				Towers	
TCE-In	0.5			#'s Removed Newmark 1	0.01
TCE-Out	0.0			#'s Removed Newmark 4	0.10
PCE-In	3.5			#'s Removed Newmark 2	0.02
PCE-Out	0.0				
Total	4.0 ug/L	lbs Removed	3.99	Total pounds Removed Tower	0.13

19th Street South Plant

Production GAC Wells	
19th St 1	114.343
19th St 2	1.437 AF
Mt Vernon	0.161
Total	115.941 AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	116.327	256.913	1B	0.000	582.289
2A	84.830	269.838	2B	0.000	520.507
3A	84.603	271.654	3B	0.000	646.754
4A	92.371	259.950	4B	0.000	645.996
Totals	378.131 AF	1058.355 AF		0.000 AF	2395.546 AF

Vessels			
TCE-In	0.5		
TCE-Out	0.0		
PCE-In	3.7		
PCE-Out	0.0		
Total	4.2 ug/L	lbs Removed	4.32

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Operations Monthly Treatment Report

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Reporting Period: Apr 2005

EPA 19th Street North Plant

Production GAC Wells

EPA 1	170.941	AF
EPA 108	145.399	AF
EPA 109	161.221	AF
EPA 110	267.557	AF
EPA 111	273.822	AF
EPA 112	160.650	AF
Totals	**1179.590**	**AF**

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	105.360	137.180	1B	0.000	0.000
2A	0.000	59.442	2B	0.000	0.000
3A	54.644	114.747	3B	0.000	0.000
4A	112.598	150.600	4B	0.000	0.000
5A	31.035	82.189	5B	0.000	0.000
6A	260.351	298.225	6B	0.000	0.000
7A	0.000	0.000	7B	0.000	0.000
8A	76.595	102.001	8B	0.000	0.000
9A	85.466	118.833	9B	0.000	0.000
10A	56.579	88.126	10B	0.000	0.000
11A	78.438	128.180	11B	0.000	0.000
12A	85.955	139.616	12B	0.000	0.000
13A	75.534	130.057	13B	0.000	0.000
14A	0.000	0.000	14B	0.000	0.000
Totals	**1022.555 AF**	**1549.196 AF**		**0.000 AF**	**0.000 AF**

Vessels

TCE-In	1.1		
TCE-Out	0.0		
PCE-In	6.3		
PCE-Out	0.0		
Total	**7.4 ug/L**	**lbs Removed**	**20.56**

Summary

Monthly		Year to Date	
Total AF Treated GAC	2514.839	**Total AF Treated GAC**	6857.688
Total AF Treated Towers	431.769	**Total AF Treated Towers**	1245.548
Combined AF Treated	**2946.608**	**Combined AF Treated**	**8103.236**
Total lbs Removed GAC	34.7	**Total lbs Removed GAC**	86.6
Total lbs Removed Towers	6.1	**Total lbs Removed Towers**	18.0
Combined Pounds Removed	**40.8**	**Combined Pounds Removed**	**104.6**