APENDIX A

DHS MONTHLY TREATMENT REPORT

CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

BOARD OF WATER COMMISSIONERS

B. WARREN COCKE
President

Commissioners
JUDITH W. BATTEY
TONI CALLICOTT
NORINE I. MILLER
LOUIS A. FERNANDEZ

STACEY R. ALDSTADT
General Manager
ROBIN L. OHAMA
Deputy General Manager
JOHN A. PERRY, P.E.
Interim Director, Water Utility
JOHN A. PERRY, P.E.
Director, Water Reclamation
DON SHACKELFORD
Director, Finance
VALERIE K. HOUSEL
Director, Environmental
and Regulatory Compliance

September 14, 2006 *"Trusted, Quality Service since 1905"*

Ms. Yen Tran
Sanitary Engineer
State Department of Health Services
Drinking Water Field Operator Branch
464 W. 4th Street, Suite 437
San Bernardino, CA 92401

RE: AUGUST 2006 MONTHLY SUMMARY TREATMENT REPORTS FOR SYSTEM NO. 3610039, WATER SUPPLY PERMIT NO. 03-13-99P-002

Dear Ms. Tran:

Enclosed are the monthly summary reports for each Granular Activated Carbon and Packed Tower Aeration facility. The required information is provided in two separate report formats: Information on well production, plant influent and effluent water flow, and amount of contaminant removed are covered in the August 2006 Operations Monthly Treatment Reports. Information on bacterial results and constituents of concern for each of the wells and treatment plants for the month of August 2006 is presented in the attached Water Quality Reports, Newmark OU/Towers/19th Street GAC.

It is my understanding the energy consumed for each is no longer of interest to DHS and is not required in the monthly reports.

300 North "D" Street, San Bernardino, California 92418 P.O. Box 710, 92402 Phone: (909) 384-5141
FACSIMILE NUMBERS: Administration: (909) 384-5215 Engineering: (909) 384-5532 Customer Service: (909) 384-7211
Corporate Yards: (909) 384-5260 Water Reclamation Plant: (909) 384-5258

Please contact me at (909) 384-5107 if additional information or modifications to the formats of the reports are desired.

Respectfully submitted,

John A. Perry, P.E.
Director, Water Utility

JAP:tal
Attach.

cc: Kim Hoang, Ph.D. (e-mailed w/attach)
Stacey R. Aldstadt (e-mailed w/attach)
Robin Ohama (e-mailed w/attach)
Mike Lowe (e-mailed w/attach)
Matthew Litchfield (e-mailed w/attach)
Valerie Housel (e-mailed w/attach)
Susan Troy (e-mailed w/attach)
Lana Kennerly (e-mailed w/attach)

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

RECEIVED
W.U.ADMINISTRATION
SEP 11 2006
CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

Reporting Period: Aug 2006

EPA 17th Street Plant

Production GAC Wells

EPA 003	205.069	AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	69.869	81.593	1B	0.000	596.009
2A	70.369	85.794	2B	0.000	587.466
3A	74.176	90.090	3B	0.000	600.316
Totals	**214.414 AF**	**257.477 AF**		**0.000 AF**	**1783.791 AF**

Vessels			
TCE-In	0.5		
TCE-Out	0.0		
PCE-In	0.5		
PCE-Out	0.0		
Total	**1.0 ug/L**	**lbs Removed**	**0.58**

EPA South Plant and Waterman Towers

Production GAC Wells

EPA 002	214.201	
EPA 004	213.129	
EPA 005	225.450	
Total	**652.780 AF**	

Tower Wells		Wells		Towers	
Waterman	302.328	TCE+PCE-In	4.5	TCE+PCE-Out	0.0
30th St.	298.253	TCE+PCE-In	4.5	TCE+PCE-Out	0.0
South Total	**600.581 AF**				
Leroy	184.901	TCE+PCE-In	4.5	TCE+PCE-Out	0.0
31st St.	177.284	TCE+PCE-In	4.5	TCE+PCE-Out	0.0
North Total	**362.185 AF**				

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	1075.898	1B	76.981	182.229
2A	0.000	1037.317	2B	75.280	184.697
3A	0.000	1071.177	3B	75.946	177.576
4A	0.000	1030.841	4B	73.354	173.034
5A	0.000	1045.364	5B	78.365	167.286
6A	0.000	583.778	6B	78.540	167.706
7A	0.000	836.614	7B	94.132	196.512
8A	0.000	972.046	8B	116.290	239.724
Totals	**0.000 AF**	**7653.035 AF**		**668.888 AF**	**1488.764 AF**

Vessels				Towers	
TCE-In	0.6			#'s Removed Waterman	3.70
TCE-Out	0.0			#'s Removed 30th St	3.65
PCE-In	2.0			#'s Removed Leroy	2.26
PCE-Out	0.0			#'s Removed 31st St	2.17
Total	**2.6 ug/L**	**lbs Removed**	**4.73**	**Total pounds Removed Tower**	**11.77**

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

Reporting Period: Aug 2006

EPA North Plant and Newmark Towers

Production GAC Wells		Tower Wells					
		Newmark 1	74.371	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
EPA 006	118.365	Newmark 4	219.399	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
EPA 007	180.817	West Tower	293.770 AF				
NM3	126.993	Newmark 2	124.761	TCE+PCE-In	0.5	TCE+PCE-Out	0.0
Total	426.175 AF	North Total	124.761 AF				

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	40.964	450.331	1B	0.000	0.000
2A	38.161	525.337	2B	0.000	0.000
3A	38.319	499.911	3B	0.000	0.000
4A	89.054	775.386	4B	0.000	0.000
5A	74.954	749.063	5B	0.000	0.000
6A	81.132	762.606	6B	0.000	0.000
7A	73.921	719.343	7B	0.000	0.000
Totals	436.505 AF	4481.977 AF		0.000 AF	0.000 AF

Vessels				Towers	
TCE-In	0.5			#'s Removed Newmark 1	0.10
TCE-Out	0.0			#'s Removed Newmark 4	0.30
PCE-In	3.1			#'s Removed Newmark 2	0.17
PCE-Out	0.0				
Total	3.6 ug/L	lbs Removed	4.27	Total pounds Removed Tower	0.57

19th Street South Plant

Production GAC Wells	
19th St 1	136.191
19th St 2	0.000 AF
Total	136.191 AF

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	0.000	704.081	1B	57.729	331.015
2A	0.000	762.205	2B	38.393	231.755
3A	0.000	795.884	3B	21.352	165.310
4A	0.000	758.694	4B	22.949	184.024
Totals	0.000 AF	3020.864 AF		140.423 AF	912.104 AF

Vessels			
TCE-In	0.5		
TCE-Out	0.0		
PCE-In	3.9		
PCE-Out	0.0		
Total	4.4 ug/L	lbs Removed	1.68

San Bernardino Municipal Water Department

Operations Monthly Treatment Report

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

Reporting Period: Aug 2006

EPA 19th Street North Plant

Production GAC Wells

EPA 1	196.357	AF
EPA 108	201.453	AF
EPA 109	200.517	AF
EPA 110	211.674	AF
EPA 111	304.415	AF
EPA 112	206.157	AF
Totals	**1320.573**	**AF**

GAC Treatment

Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	107.661	1584.590	1B	0.000	0.000
2A	112.732	1662.244	2B	0.000	0.000
3A	114.261	1816.432	3B	0.000	0.000
4A	109.274	1710.996	4B	0.000	0.000
5A	112.587	1839.191	5B	0.000	0.000
6A	91.263	2021.163	6B	0.000	0.000
7A	0.000	0.000	7B	0.000	0.000
8A	100.078	1546.804	8B	0.000	0.000
9A	110.397	1694.783	9B	0.000	0.000
10A	108.574	1674.779	10B	0.000	0.000
11A	104.361	1719.333	11B	0.000	0.000
12A	108.439	1904.363	12B	0.000	0.000
13A	119.701	1780.075	13B	0.000	0.000
14A	0.000	0.000	14B	0.000	0.000
Totals	**1299.328 AF**	**20954.753 AF**		**0.000 AF**	**0.000 AF**

Vessels	
TCE-In	0.7
TCE-Out	0.0
PCE-In	3.6
PCE-Out	0.0
Total	**4.3 ug/L**

lbs Removed **15.18**

Summary

Monthly	
Total AF Treated GAC	2759.558
Total AF Treated Towers	1381.297
Combined AF Treated	**4140.855**
Total lbs Removed GAC	26.4
Total lbs Removed Towers	12.3
Combined Pounds Removed	**38.8**

Year to Date	
Total AF Treated GAC	21672.960
Total AF Treated Towers	4446.847
Combined AF Treated	**26119.807**
Total lbs Removed GAC	235.7
Total lbs Removed Towers	46.3
Combined Pounds Removed	**282.0**

RECEIVED
W.U.ADMINISTRATION
SEP 11 2006
CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

EPA
PRODUCTION WELL RUN TIME
Aug-06

July Total 744 Hours

Well	Total Run Hours
EPA 001	738
EPA 002	744
EPA 003	742
EPA 004	744
EPA 005	744
EPA 006	737
EPA 007	735
EPA 108	738
EPA 109	738
EPA 110	738
EPA 111	718
EPA 112	738
NEWMARK 3	737

MICHAEL LOWE
Water Utility
Operations Superintendent

cc: John Perry
Matt Litchfield
dbane@URSGREINER.com

San Bernardino Municipal Water Department Water Quality Monthly Report
Newmark OU/Towers/19th St GAC/Muscoy OU
Month of August 2006

						Week 1 - 8/03/06		Week 2 - 8/10/06		Week 3 - 8/17/06		Week 4 - 8/24/06		Week 5 - 8/31/06		
Waterman GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	NO_3 (mg/L)
EPA 002	8/10/2006	A			<1.0											
EPA 004	8/10/2006	A			1.0											
EPA 005	8/10/2006	A			<1.0											
Combined Influent	8/10/2006							2.1	0.6							
LEAD VESSEL 1B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.2	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 2B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	<0.5	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 3B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.8	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 4B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.6	1.1	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 5B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	0.6	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 6B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	<0.5	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 7B	8/10/2006		<1.1	<1.1	3.5	NM	NM	1.6	1.0	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 8B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.2	0.97	NM	NM	NM	NM	NM	NM	
Combined Effluent	8/10/2006		<1.1	<1.1	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

						Week 1 - 8/03/06		Week 2 - 8/10/06		Week 3 - 8/17/06		Week 4 - 8/24/06		Week 5 - 8/31/06		
Newmark GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	NO_3 (mg/L)
EPA 006	8/10/2006	A			1.0											
EPA 007	8/10/2006	A			6.0											
Newmark Well 03	8/10/2006	A			<1.0											
Combined Influent	8/10/2006							3.1	<0.5							
LEAD VESSEL 1A	8/10/2006		<1.1	<1.1	2.5	NM	NM	3.7	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 2A	8/10/2006		<1.1	<1.1	1.0	NM	NM	6.2	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 3A	8/10/2006		<1.1	<1.1	1.0	NM	NM	3.5	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 4A	8/10/2006		<1.1	<1.1	1.0	NM	NM	3.2	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 5A	8/10/2006		<1.1	<1.1	1.5	NM	NM	4.0	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 6A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	3.2	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 7A	8/10/2006		<1.1	<1.1	1.0	NM	NM	2.5	0.6	NM	NM	NM	NM	NM	NM	
Combined Effluent	8/10/2006		<1.1	<1.1	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

						Week 1 - 8/03/06		Week 2 - 8/10/06		Week 3 - 8/17/06		Week 4 - 8/24/06		Week 5 - 8/31/06		
17th Street GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	NO_3 (mg/L)
EPA 003	8/10/2006	A			2.0											
Combined Influent	8/10/2006							2.6	0.5							
LEAD VESSEL 1A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.5	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 2A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.8	1.2	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 3A	8/10/2006		<1.1	<1.1	1.0	NM	NM	<0.5	<0.5	NM	NM	NM	NM	NM	NM	
Combined Effluent	8/10/2006		<1.1	<1.1	32.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

						Week 1 - 8/03/06		Week 2 - 8/10/06		Week 3 - 8/17/06		Week 4 - 8/24/06		Week 5 - 9/01/06*		
19th Street SOUTH GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	NO_3 (mg/L)
19th Street Well 01	8/10/2006	A			<1.0											
19th Street Well 02	8/10/2006	A			1.0											
Combined Influent	8/10/2006							3.5	<0.5							
LEAD VESSEL 1B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.6	<0.5	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 2B	8/10/2006		<1.1	<1.1	1.0	NM	NM	2.6	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 3B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	1.9	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 4B	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.4	0.6	NM	NM	NM	NM	NM	NM	
Combined Effluent	8/10/2006		<1.1	<1.1	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

*Resample for 8/31/06 - 19th St.SO. Plant Weekly Effluent Monitoring for PCE/TCE received at lab at 19C, on cool-to-touch med. blue ice - defrosted. Sample results were the same as for 8/31/06.

RECEIVED
WW.U.ADMINISTRATION
SEP 14 2006
CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

San Bernardino Municipal Water Department Water Quality Monthly Report
Newmark OU/Towers/19th St GAC/Muscoy OU
Month of August 2006

						Week 1 - 8/03/06		Week 2 - 8/10/06		Week 3 - 8/17/06		Week 4 - 8/24/06		Week 5 - 8/31/06		
19th Street NORTH GAC Treatment Plant	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	PCE (ug/L)	TCE (ug/L)	NO_3 (mg/L)
EPA 001	8/10/2006	A			1.0											
EPA 108	8/10/2006	A			<1.0											
EPA 109	8/10/2006	A			2.5											
EPA 110	8/10/2006	A			<1.0											
EPA 111	8/10/2006	A			2.0											
EPA 112	8/10/2006	A			1.0											
Combined Influent	8/10/2006							3.6	0.8							
LEAD VESSEL 1A	8/10/2006		<1.1	<1.1	1.0	NM	NM	1.8	0.6	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 2A	8/10/2006		<1.1	<1.1	1.0	NM	NM	2.3	0.7	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 3A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.8	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 4A	8/10/2006		<1.1	<1.1	1.0	NM	NM	3.2	1.0	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 5A	8/10/2006		<1.1	<1.1	1.0	NM	NM	2.6	0.7	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 6A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.4	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 8A	8/10/2006		<1.1	<1.1	2.5	NM	NM	1.5	0.7	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 9A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.2	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 10A	8/10/2006		<1.1	<1.1	<1.0	NM	NM	2.4	0.7	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 11A	8/10/2006		<1.1	<1.1	3.5	NM	NM	2.5	0.8	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 12A	8/10/2006		<1.1	<1.1	1.0	NM	NM	2.6	0.9	NM	NM	NM	NM	NM	NM	
LEAD VESSEL 13A	8/10/2006		<1.1	<1.1	27.0	NM	NM	2.3	0.9	NM	NM	NM	NM	NM	NM	
Combined Effluent	8/10/2006		<1.1	<1.1	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

Waterman Stripping Towers	DATE	Colilert P/A	MPN Total	MPN Fecal	HPC	PCE	TCE	TB	FB
Waterman Combined Tower Influent	8/8/2006					3.9	0.6	<0.5	<0.5
Waterman N. Tower Effluent	8/8/2006	A			2.0	<0.5	<0.5	<0.5	<0.5
Waterman S. Tower Effluent	8/8/2006	A			1.5	<0.5	<0.5	<0.5	<0.5

Newmark Stripping Towers		Colilert P/A	MPN Total	MPN Fecal		PCE	TCE	TB	FB
Newmark W. Tower Influent	8/8/2006					<0.5	<0.5	<0.5	<0.5
Newmark W. Tower Effluent	8/8/2006	A			1.0	<0.5	<0.5	<0.5	<0.5
Newmark E. Tower Influent	8/8/2006					<0.5	<0.5	<0.5	<0.5
Newmark E. Tower Effluent	8/8/2006	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.

NM = Not Monitored