

VII. Other Required Information

- A. Annual Flow Calibration Report
- B. Report of Operator Certification
- C. Status of the Operations and Maintenance Manual

A. Notes on Specific Analysis

1. It should be noted that some of the reference methods are equivalent. The organic priority pollutant analyses listed in E.P.A.'s Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846 (ref. c) are equivalent to the methods E.P.A. prescribes for water in Methods for Chemical Analysis for Water and Wastes, (ref.a). Specifically wastewater methods 3510 and 8270 (ref.d) together are the same as the water method 625 (ref.a), and Method 8260B (ref. c) is equivalent to Method 624 (ref.a). Methods 3550 and 8270 together are equivalent to the E.P.A. Contract Laboratory Program's (ref. aa) method for ultrasonication and gas chromatograph-mass spectrographic analysis. The E.P.A.'s metals analyses for water (ref.a) generally just refers to the procedure in Standard Methods (ref. b, bb).

2. Detection Limit

MDLs for various analyses were updated in 2007. The MDLs referenced in this report are the maximum MDL for the calendar year. The following is a table listing, by Analyses Code and Analyte name, the changes in the MDLs that occurred in 2007. All MDL studies were performed following CFR136.3. This year most MDL studies utilized clean matrix, i.e. Deionized Water or clean sand.

ANALYSIS CODE	ANALYTE CODE	Effective Date	MDL		UNITS
			Current	Previous	
605	3,3-dichlorobenzidine	22-Jan-07	2.44		UG/L
605	Benzidine	22-Jan-07	1.52		UG/L
608	Aldrin	10-Apr-07	7	60	NG/L
608	Alpha (cis) Chlordane	10-Apr-07	3	30	NG/L
608	Alpha Endosulfan	10-Apr-07	4	30	NG/L
608	BHC, Alpha isomer	10-Apr-07	7	20	NG/L
608	BHC, Beta isomer	10-Apr-07	3	20	NG/L
608	BHC, Delta isomer	10-Apr-07	3	20	NG/L
608	BHC, Gamma isomer	10-Apr-07	5	10	NG/L
608	Beta Endosulfan	10-Apr-07	2	20	NG/L
608	Cis Nonachlor	10-Apr-07	3	20	NG/L
608	Dieldrin	10-Apr-07	3	50	NG/L
608	Endosulfan Sulfate	10-Apr-07	6	20	NG/L
608	Endrin	10-Apr-07	2	50	NG/L
608	Endrin aldehyde	10-Apr-07	9	20	NG/L
608	Gamma (trans) Chlordane	10-Apr-07	4	80	NG/L
608	Heptachlor	10-Apr-07	8	20	NG/L
608	Heptachlor epoxide	10-Apr-07	4	20	NG/L
608	Methoxychlor	10-Apr-07	10	60	NG/L
608	Mirex	10-Apr-07	10	20	NG/L
608	Oxychlordane	10-Apr-07	6	20	NG/L
605	3,3-dichlorobenzidine	22-Jan-07	2.44		UG/L
605	Benzidine	22-Jan-07	1.52		UG/L
608	Aldrin	10-Apr-07	7	60	NG/L

ANALYSIS CODE	ANALYTE CODE	Effective Date	MDL		UNITS
			Current	Previous	
608	PCB 1232	10-Apr-07	360	4000	NG/L
608	PCB 1262	10-Apr-07	930	2000	NG/L
608	Toxaphene	10-Apr-07	330	4000	NG/L
608	Trans Nonachlor	10-Apr-07	5	4000	NG/L
608	o,p-DDD	10-Apr-07	4	20	NG/L
608	o,p-DDE	10-Apr-07	5	100	NG/L
608	o,p-DDT	10-Apr-07	3	20	NG/L
608	p,p-DDD	10-Apr-07	3	20	NG/L
608	p,p-DDE	10-Apr-07	4	20	NG/L
608	p,p-DDT	10-Apr-07	8	50	NG/L
8280A	1,2,3,4,6,7,8-hepta CDD	20-Mar-07	137	500	PG/L
8280A	1,2,3,4,6,7,8-hepta CDF	20-Mar-07	90	500	PG/L
8280A	1,2,3,4,7,8,9-hepta CDF	20-Mar-07	166	500	PG/L
8280A	1,2,3,4,7,8-hexa CDF	20-Mar-07	147	500	PG/L
8280A	1,2,3,4,7,8_hexa_CDD	20-Mar-07	113	500	PG/L
8280A	1,2,3,6,7,8-hexa CDD	20-Mar-07	98	500	PG/L
8280A	1,2,3,6,7,8-hexa CDF	20-Mar-07	107	500	PG/L
8280A	1,2,3,7,8,9-hexa CDD	20-Mar-07	111	500	PG/L
8280A	1,2,3,7,8,9-hexa CDF	20-Mar-07	152	500	PG/L
8280A	1,2,3,7,8-penta CDD	20-Mar-07	123	500	PG/L
8280A	1,2,3,7,8-penta CDF	20-Mar-07	140	500	PG/L
8280A	1,3,6,8-tetra CDF	20-Mar-07	115		PG/L
8280A	2,3,4,6,7,8-hexa CDF	20-Mar-07	148	500	PG/L
8280A	2,3,4,7,8-penta CDF	20-Mar-07	118	500	PG/L
8280A	2,3,7,8-tetra CDD	20-Mar-07	125	500	PG/L
8280A	2,3,7,8-tetra CDF	20-Mar-07	115	250	PG/L
8280A	octa CDD	20-Mar-07	247	1000	PG/L
8280A	octa CDF	20-Mar-07	222	1000	PG/L
8280A_SLDS	1,2,3,4,6,7,8-hepta CDD	20-Mar-07	7.6		NG/KG
8280A_SLDS	1,2,3,4,6,7,8-hepta CDF	20-Mar-07	10.2		NG/KG
8280A_SLDS	1,2,3,4,7,8,9-hepta CDF	20-Mar-07	16.2	4.9	NG/KG
8280A_SLDS	1,2,3,4,7,8-hexa CDF	20-Mar-07	12.4	2.5	NG/KG
8280A_SLDS	1,2,3,4,7,8_hexa_CDD	20-Mar-07	24.4	2.9	NG/KG
8280A_SLDS	1,2,3,6,7,8-hexa CDD	20-Mar-07	21.7		NG/KG
8280A_SLDS	1,2,3,6,7,8-hexa CDF	20-Mar-07	10.8	2.4	NG/KG
8280A_SLDS	1,2,3,7,8,9-hexa CDD	20-Mar-07	11.8	6.6	NG/KG
8280A_SLDS	1,2,3,7,8,9-hexa CDF	20-Mar-07	9.6	2.9	NG/KG
8280A_SLDS	1,2,3,7,8-penta CDD	20-Mar-07	18.8	23	NG/KG
8280A_SLDS	1,2,3,7,8-penta CDF	20-Mar-07	11	2	NG/KG
8280A_SLDS	1,3,6,8-tetra CDF	20-Mar-07	9.9		NG/KG
8280A_SLDS	2,3,4,6,7,8-hexa CDF	20-Mar-07	8.1	2.6	NG/KG
8280A_SLDS	2,3,4,7,8-penta CDF	20-Mar-07	10.3	2	NG/KG
8280A_SLDS	2,3,7,8-tetra CDD	20-Mar-07	7.8	1.2	NG/KG

ANALYSIS CODE	ANALYTE CODE	Effective Date	MDL		UNITS
			Current	Previous	
ALKALINITY_WW	Total Alkalinity (bicarbonate)	10-Apr-07	20	1.5	MG/L
BOD_WW	BOD (Biochemical Oxygen Demand)	10-Apr-07	2	2	MG/L
BOD_WW	BOD (Carbonaceous)	10-Apr-07	2	2	MG/L
BOD_WW	BOD (Soluble)	10-Apr-07	2	2	MG/L
BOD_WW	BOD (Soluble/Carbonaceous)	10-Apr-07	2	2	MG/L
CHLORINE	Chlorine Residual, Total	3-May-07	0.03	0.11	MG/L
COD_WW	COD (Soluble)	10-Apr-07	18	22	MG/L
COD_WW	Chemical Oxygen Demand	10-Apr-07	18	22	MG/L
COND_WW	Conductivity	3-May-07	10	10	UMHOS/CM
FLOATABLES	Floatables	3-May-07	1.4	0.1	MG/L
HARDNESS_TIT	Total Hardness by EDTA Titration	3-May-07	1		MG/L
HARD_CALC_WW	Calcium Hardness	1-Jan-07	0.1	0.2	MG/L
HARD_CALC_WW	Magnesium Hardness	1-Jan-07	0.4	0.08	MG/L
HARD_CALC_WW	Total Hardness	1-Jan-07	0.4	0.22	MG/L
HERBICIDE_DSLDG	2,4,5-TP (Silvex)	5-Feb-07	2.87	6.33	MG/KG
HERBICIDE_DSLDG	2,4-dichlorophenoxyacetic acid	5-Feb-07	2.66	6.84	MG/KG
MBAS	MBAS (Surfactants)	10-Apr-07	0.03	0.03	MG/L
NH3_N_TIT_WW	Ammonia-N	10-Apr-07	0.3	0.2	MG/L
NO2_NO3_N_WW	Nitrite/Nitrate as N	10-Apr-07	0.1	0.04	MG/L
NO2_N_WW	Nitrite (as N)	3-May-07	0.005		MG/L
PAH_FISH_LIV	1-methylnaphthalene	20-Mar-07	27.9		UG/KG
PAH_FISH_LIV	1-methylphenanthrene	20-Mar-07	17.4		UG/KG
PAH_FISH_LIV	2,3,5-trimethylnaphthalene	20-Mar-07	21.7		UG/KG
PAH_FISH_LIV	2,6-dimethylnaphthalene	20-Mar-07	21.7		UG/KG
PAH_FISH_LIV	2-methylnaphthalene	20-Mar-07	35.8		UG/KG
PAH_FISH_LIV	3,4-benzo(B)fluoranthene	20-Mar-07	30.2		UG/KG
PAH_FISH_LIV	Acenaphthene	20-Mar-07	28.9		UG/KG
PAH_FISH_LIV	Acenaphthylene	20-Mar-07	24.7		UG/KG
PAH_FISH_LIV	Anthracene	20-Mar-07	25.3		UG/KG
PAH_FISH_LIV	Benzo[A]anthracene	20-Mar-07	47.3		UG/KG
PAH_FISH_LIV	Benzo[A]pyrene	20-Mar-07	42.9		UG/KG
PAH_FISH_LIV	Benzo[G,H,I]perylene	20-Mar-07	27.2		UG/KG
PAH_FISH_LIV	Benzo[K]fluoranthene	20-Mar-07	32		UG/KG
PAH_FISH_LIV	Benzo[e]pyrene	20-Mar-07	41.8		UG/KG
PAH_FISH_LIV	Biphenyl	20-Mar-07	38		UG/KG
PAH_FISH_LIV	Chrysene	20-Mar-07	18.1		UG/KG
PAH_FISH_LIV	Dibenzo(A,H)anthracene	20-Mar-07	37.6		UG/KG
PAH_FISH_LIV	Fluoranthene	20-Mar-07	19.9		UG/KG
PAH_FISH_LIV	Fluorene	20-Mar-07	27.3		UG/KG
PAH_FISH_LIV	Indeno(1,2,3-CD)pyrene	20-Mar-07	25.6		UG/KG
PAH_FISH_LIV	Naphthalene	20-Mar-07	34.2		UG/KG
PAH_FISH_LIV	Perylene	20-Mar-07	18.5		UG/KG

ANALYSIS CODE	ANALYTE CODE	Effective Date	MDL		UNITS
			Current	Previous	
PAH_FISH_LIV	Phenanthrene	20-Mar-07	11.6		UG/KG
PAH_FISH_LIV	Pyrene	20-Mar-07	9.1		UG/KG
PAH_FISH_MUS	1-methylnaphthalene	20-Mar-07	26.4		UG/KG
PAH_FISH_MUS	1-methylphenanthrene	20-Mar-07	23.3		UG/KG
PAH_FISH_MUS	2,3,5-trimethylnaphthalene	20-Mar-07	21.6		UG/KG
PAH_FISH_MUS	2,6-dimethylnaphthalene	20-Mar-07	19.5		UG/KG
PAH_FISH_MUS	2-methylnaphthalene	20-Mar-07	13.2		UG/KG
PAH_FISH_MUS	3,4-benzo(B)fluoranthene	20-Mar-07	26.8		UG/KG
PAH_FISH_MUS	Acenaphthene	20-Mar-07	11.3		UG/KG
PAH_FISH_MUS	Acenaphthylene	20-Mar-07	9.1		UG/KG
PAH_FISH_MUS	Anthracene	20-Mar-07	8.4		UG/KG
PAH_FISH_MUS	Benzo[A]anthracene	20-Mar-07	15.9		UG/KG
PAH_FISH_MUS	Benzo[A]pyrene	20-Mar-07	18.3		UG/KG
PAH_FISH_MUS	Benzo[G,H,I]perylene	20-Mar-07	59.5		UG/KG
PAH_FISH_MUS	Benzo[K]fluoranthene	20-Mar-07	37.3		UG/KG
PAH_FISH_MUS	Benzo[e]pyrene	20-Mar-07	40.6		UG/KG
PAH_FISH_MUS	Biphenyl	20-Mar-07	19.9		UG/KG
PAH_FISH_MUS	Chrysene	20-Mar-07	23		UG/KG
PAH_FISH_MUS	Dibenzo(A,H)anthracene	20-Mar-07	40.3		UG/KG
PAH_FISH_MUS	Fluoranthene	20-Mar-07	12.9		UG/KG
PAH_FISH_MUS	Fluorene	20-Mar-07	11.4		UG/KG
PAH_FISH_MUS	Indeno(1,2,3-CD)pyrene	20-Mar-07	46.5		UG/KG
PAH_FISH_MUS	Naphthalene	20-Mar-07	17.4		UG/KG
PAH_FISH_MUS	Perylene	20-Mar-07	50.9		UG/KG
PAH_FISH_MUS	Phenanthrene	20-Mar-07	12.9		UG/KG
PAH_FISH_MUS	Pyrene	20-Mar-07	16.6		UG/KG
PHOS_ORTHO_WW	Ortho Phosphate as P	10-Apr-07	0.03	0.2	MG/L
TDS_WW	Total Dissolved Solids	3-May-07	28	42	MG/L
TPH_G	TPH as Gasoline	1-Feb-07	4.63		UG/L
TS/VS_WW	Total Solids	10-Apr-07	10	100	MG/L
TSS/VSS	Total Suspended Solids	10-Apr-07	1.4	1.6	MG/L

B. Report of Operator Certification

Report of Operator Certification

The following list includes all Wastewater Treatment Plant Operators working for the Metropolitan Wastewater Department and their California State certification status as of **January 2008**.

Operator Certifications:

The following lists all Wastewater Treatment Plant Operators working for the Operating Units of the Metropolitan Wastewater Department and their California State certification status as of January 2008. Name, Certification Grade, Certification Number, and expiration date are shown for each operator. The listing is by facility and classification.

Point Loma Wastewater Treatment Plant			
Name	Grade	Cert. No.	Expiration Date
<u>Point Loma Wastewater Treatment Plant Superintendent:</u>			
Shankles, K.C.	V	06975	06/30/2009
<u>Sr. Operations Supervisor:</u>			
Cooper, Kip	V	09401	12/31/2009
<u>Operation Supervisors:</u>			
Frank, Arlene	V	5922	12-31-2008
Sanchez, Cesar	V	70083	6/30/2009
Gardiner, Teresa	III	10657	12/31/2009
Leibenguth, Robert	III	6777	12/31/2009
Nunez, Carlos	III	7626	6/30/2008
<u>Operators:</u>			
Nguyen, Thanh	III	6637	6/30/2009
Dornfield, Michael	II	07678	12/31/2008
Gutierrez, Marlene	II	9636	6/30/2009
Howard, Brandon	II	28024	6/30/2009
Palestini, Anthony	II	8521	12/31/2009
Pizarro, Emiliano	II	9863	6/30/2008
Reynolds, Benjamin	II	6638	12/31/2009
Wade, Brian	II	9141	12/31/2008
Williams Jr., Hayvert	II	27959	12/31/2008
Avila, Juan	OIT	OIT	6/30/2009
Duresseau, Gabriel	OIT	OIT	6/30/2008
Feliciano, Romeo	OIT	OIT	6/30/2009
Miclat, Edgardo	OIT	OIT	6/30/2009
<u>Process Control:</u>			
Jewell, Dennis	V	04813	06/30/2008

Report of Operator Certification

The following list includes all Wastewater Treatment Plant Operators working for the Metropolitan Wastewater Department at the Metro Bio-solids Center and their California State certification status **as of January 2008**. Name, Certification Grade, Certification Number, and expiration date are shown for each operator.

Metro Bio-solids Center (MBC)

Name	Grade	Cert. No.	Expiration Date
<u>MBC Superintendent:</u>			
Barry Ayers	V	09346	06-30-2008
<u>Sr. Operations Supervisor:</u>			
Richard Pitchford (Out of Class Assignment)	V	9851	06-30-2009
<u>Operation Supervisors:</u>			
Claude Lovelace	III	3952	06-30-2009
David Huntamer	V	8686	12-31-2009
Ralph Dugdale	III	5936	06-30-2009
Shannon McKiernan	III	7465	12-31-2009
Javier Zavala	III	9635	06-30-2009
<u>Operators:</u>			
Barry Carlton	II	10178	12-31-2009
Randy Cook	II	6811	12-31-2009
Maria LeSire	II	5445	06-30-2009
Sal Lopez	II	8476	06-30-2007
Robert Roderick	III	6169	12-31-2009
George Wendorf	II	9774	12-31-2009
Dedric Evans	II	10196	06-30-2008
Bill Shannon	II	10371	12-31-2008
Chris Culver	II	4403	12-31-2009
John Faxon	II	27877	12-31-2008
Dave Marlow	III	10216	06-30-2008

C. Status of the Operations and Maintenance Manual

Point Loma WWTP:

There is an approved O&M Manual for the PLWWTP. Plant staff continues to review and update the Manual and SOP's as necessary to keep current with changes in equipment, processes, and standards of practice. New procedures are included as needs are identified. For example, PLWWTP Staff, in conjunction with the Safety Staff, have developed and established a standard Lock-Out/Tag-Out Program to serve all MWWD Facilities.

Plant Personnel continue the ISO certification and operate the PLWTP facility under the guidelines of the Environmental Management System established under our ISO 14001 program. This program has helped to organize and consolidate facility Standard Operating Procedures (SOP), and has been effective in enhancing plant personnel's awareness of industrial and environmental issues as they relate to the work place.