



State of California—Health and Human Services Agency  
California Department of Public Health



MARK B HORTON, MD, MSPH  
Director

ARNOLD SCHWARZENEGGER  
Governor

November 26, 2007

Certificate No 1100

HENRY R. STEVENS  
WATER QUALITY CONTROL LABORATORY  
8521 LAGUNA STATION ROAD  
ELK GROVE, CA 95758-9550

Dear HENRY R. STEVENS:

Enclosed is an amended copy of your certificate.

If you have any questions, please contact our office at (510) 620-3155.

Sincerely,

A handwritten signature in black ink that reads 'George C. Kulasingam'.

George C. Kulasingam, Ph.D., Chief  
Environmental Laboratory Accreditation Program Branch

Enclosure



**CALIFORNIA DEPARTMENT OF PUBLIC HEALTH  
 ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
 Accredited Fields of Testing**



**WATER QUALITY CONTROL LABORATORY**  
 WATER QUALITY  
 8521 LAGUNA STATION ROAD  
 ELK GROVE, CA 95758-9550

**Lab Phone (916) 875-9020**

**Certificate No: 1100      Renew Date: 1/31/2008**

**Field of Testing: 101 - Microbiology of Drinking Water**

101.010	001	Heterotrophic Bacteria	SM9215B
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform	SM9221A,B
101.021	001	Fecal Coliform	SM9221E (MTF/EC)
101.060	002	Total Coliform	SM9223
101.060	003	E. coli	SM9223
101.070	002	Total Coliform	Colisure
101.070	003	E. coli	Colisure
101.110	002	Total Coliform	m-ColiBlue24
101.110	003	E. coli	m-ColiBlue24
101.120	001	Total Coliform (Enumeration)	SM9221A,B,C
101.130	001	Fecal Coliform (Enumeration)	SM9221E (MTF/EC)
101.160	001	Total Coliform (Enumeration)	SM9223

**Field of Testing: 102 - Inorganic Chemistry of Drinking Water**

102.060	001	Nitrate calc.	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.100	001	Alkalinity	SM2320B
102.145	001	Total Dissolved Solids	EPA 160.1
102.251	001	Sulfate	SM4500-SO4 E
102.260	001	Total Organic Carbon	SM5310B
102.261	001	DOC	SM5310B
102.270	001	Surfactants	SM5540C
102.280	001	UV254	SM5910B
102.500	001	Calcium	SM3111B
102.500	002	Magnesium	SM3111B
102.500	003	Potassium	SM3111B
102.500	004	Sodium	SM3111B
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calc.)	EPA 200.7

**Field of Testing: 103 - Toxic Chemical Elements of Drinking Water**

As of 11/21/2007, this list supersedes all previous lists for this certificate number.  
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103.010	002	Copper	SM3111B
103.010	003	Iron	SM3111B
103.010	010	Zinc	SM3111B
103.130	001	Aluminum	EPA 200.7
103.130	002	Arsenic	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

**Field of Testing: 107 - Microbiology of Wastewater**

107.010	001	Heterotrophic Bacteria	SM9215B
107.020	001	Total Coliform	SM9221B
107.040	001	Fecal Coliform	SM9221C,E (MTF/EC)
107.041	001	Fecal Coliform	SM9221C,E (A-1)
107.060	001	Total Coliform	SM9222B
107.080	001	Fecal Coliform	SM9222D
107.100	001	Fecal Streptococci	SM9230B
107.100	002	Enterococci	SM9230B

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107.245	001	E. coli	SM9223
107.250	001	E. coli	m-CollBlue24

**Field of Testing: 108 - Inorganic Chemistry of Wastewater**

108.020	001	Conductivity	EPA 120.1
108.040	001	Hardness	EPA 130.2
108.050	001	pH	EPA 150.1
108.060	001	Residue, Filterable	EPA 160.1
108.070	001	Residue, Non-filterable	EPA 160.2
108.080	001	Residue, Total	EPA 160.3
108.090	001	Residue, Volatile	EPA 160.4
108.100	001	Residue, Settleable	EPA 160.5
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calc.)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.115	001	Calcium	EPA 215.1
108.117	001	Magnesium	EPA 242.1
108.118	001	Potassium	EPA 258.1
108.119	001	Sodium	EPA 273.1
108.130	001	Acidity	EPA 305.1
108.161	001	Chloride	EPA 325.2
108.171	001	Chlorine Residual, Total	EPA 330.2
108.174	001	Chlorine Residual, Total	EPA 330.5
108.180	001	Cyanide, amenable	EPA 335.1
108.181	001	Cyanide, Total	EPA 335.2
108.200	001	Ammonia	EPA 350.1
108.211	001	Kjeldahl Nitrogen	EPA 351.2
108.212	001	Kjeldahl Nitrogen	EPA 351.3
108.231	001	Nitrate calc.	EPA 353.2
108.232	001	Nitrate-nitrite, Total	EPA 353.2
108.250	001	Dissolved Oxygen	EPA 360.1
108.251	001	Dissolved Oxygen	EPA 360.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.266	001	Phosphorus, Total	EPA 365.4
108.282	001	Sulfate	EPA 375.4
108.340	001	Total Organic Carbon	EPA 415.1
108.370	001	Surfactants	EPA 425.1
108.410	001	Alkalinity	SM2320B
108.590	001	Biochemical Oxygen Demand	SM5210B

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108.591	001	Carbonaceous BOD	SM5210B
108.610	001	Total Organic Carbon	SM5310B
108.660	001	Chemical Oxygen Demand	HACH8000

**Field of Testing:** 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.120	001	Copper	EPA 220.1

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109.150	001	Iron	EPA 236.1
109.190	001	Mercury	EPA 245.1
109.350	001	Zinc	EPA 289.1
109.360	001	Mercury	EPA 1631

**Field of Testing: 110 - Volatile Organic Chemistry of Wastewater**

110.010	000	Halogenated Volatiles	EPA 601
110.020	000	Aromatic Volatiles	EPA 602
110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	043	Other Volatile Organics	EPA 624

**Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater**

111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	034	Phthalates	EPA 625
111.101	036	Other Extractables	EPA 625
111.170	030	Organochlorine Pesticides	EPA 608
111.170	031	PCBs	EPA 608

**Field of Testing: 113 - Whole Effluent Toxicity of Wastewater**

113.010	001B	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static Renewal
113.010	001C	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Continuous Flow
113.021	001B	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static Renewal
113.021	001C	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Continuous Flow
113.040	001	Fathead Minnow (P. promelas)	EPA 1000 (EPA/600/4-91/002)
113.041	001	Fathead Minnow (P. promelas)	EPA 1000 (EPA-821-R-02-013)
113.060	020	Green algae (S. capricornutum)	EPA 1003 (EPA/600/4-91/002)
113.061	020	Green algae (S. capricornutum)	EPA 1003 (EPA-821-R-02-013)

**Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste**

116.080	000	Volatile Organic Compounds	EPA 8260B	Aqueous only
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**Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.110	000	Extractable Organics	EPA 8270C
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