



Bay Area Clean Water Agencies

2008 Mercury Watershed Permit Group Report

April 1, 2009

Prepared by Oakley Water Strategies, Inc.

Bay Area Clean Water Agencies

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Introduction

On November 1, 2007 the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) adopted the mercury watershed permit, NPDES permit No. CA0038849, Regional Water Board Order No. R2-2007-0077. The purpose of the watershed permit was to implement requirements associated with the mercury Total Maximum Daily Load (TMDL), which was adopted by the Regional Water Board in August 2006 and approved by the State Water Resources Control Board (State Water Board) in July 2007. The mercury watershed permit established limitations and requirements on the discharge of mercury from current municipal and industrial NPDES permittees which discharge treated wastewater to San Francisco Bay or its tributaries. This group report is for municipal permittees associated with the watershed permit.

The mercury watershed permit became effective on March 1, 2008 after the approval of USEPA, and superceded all existing mercury requirements in existing individual wastewater permits to ensure consistent, complete, and coordinated implementation of the TMDL's requirements.

Watershed Permit Group Reporting Requirements

One of the requirements indicated in the watershed permit was for agencies to report mercury mass loads and source control activities on an annual basis. The permit allowed permittees to report this information either individually, or as part of a group. The Bay Area Clean Water Agencies (BACWA) opted to form a group and invite municipal permittees to participate. If permittees desired to participate in a group process, they needed to notify the Regional Water Board by February 1, 2009 (deadline for annual Self-Monitoring Report, or SMR) of this intent. Since February 1, 2009 was a Sunday, annual SMRs were allowed to be submitted on Monday, February 2, 2009.

Electronic forms for BACWA group participants were prepared to facilitate the reporting process for both participants and the organizer. These electronic forms were developed in MS Excel based on the forms in the watershed permit, and were emailed to potential group participants with a readily available email address on January 15, 2009. The due date for submittal of data under the group reporting program was February 15, 2009. However, since February 15 fell on a Sunday and February 16 was a holiday, the forms were allowed to be submitted on Tuesday, February 17, 2009.

Data Collection and Compilation

As indicated in the mercury watershed permit, the annual reporting forms were organized into three parts as follows:

- Part 1 – Basic Information
- Part 2 – Mercury Data
- Part 3 – Source Control Information

Completed forms were received from 34 agencies participating in the BACWA group, or 92 percent, of the 37 municipal agencies listed in the mercury watershed permit. An additional two entities are listed in the permit as serving domestic customers but are not municipal government agencies. Data were received from group participants by email, fax, and regular mail. Data received by email were in one of the following formats: PDF, MS Excel, or MS Word. Signed certification pages (in Part 1) were received from all participating agencies. The forms received are shown in **Appendix A**. The distribution of participating municipal permittees in the BACWA group is shown in **Table 1**.

Table 1. BACWA Group Participants

Municipal Permittees Participating in BACWA Group		Municipal Permittees Not Participating in BACWA Group
<ul style="list-style-type: none"> • American Canyon, City of • Benicia, City of • Calistoga, City of • Central Contra Costa Sanitary District • Central Marin Sanitation Agency • Delta Diablo Sanitation District • East Bay Dischargers Authority • East Bay Municipal Utilities District • Fairfield-Suisun Sewer District • Las Gallinas Valley Sanitary District • Marin County (Paradise Cove), Sanitary District No. 5 • Marin County (Tiburon), Sanitary District No. 5 • Millbrae, City of • Mt. View Sanitary District • Napa Sanitation District • Novato Sanitary District • Palo Alto, City of • Petaluma, City of 	<ul style="list-style-type: none"> • Pinole, City of • Saint Helena, City of • San Francisco, City and County of, SF Int'l Airport (sanitary plant) • San Francisco (Southeast Plant), City and County of • San Jose/Santa Clara, Cities of • San Mateo, City of • Sausalito-Marín City Sanitary District • Sewerage Agency of Southern Marin • Sonoma Valley County Sanitary District • South Bayside System Authority • South San Francisco and San Bruno, Cities of • Sunnyvale, City of • US Naval Support Activity, Treasure Island • Vallejo Sanitation and Flood Control District • West County Agency • Yountville, Town of 	<ul style="list-style-type: none"> • Burlingame, City of • Crockett Community Services District • East Brother Light Station, Inc. • Rodeo Sanitary District • Seafirth Estates Company

Although most Bay Area municipal permittees normally report data electronically through the Electronic Reporting System (ERS), most agencies provided monthly flow data, mercury concentrations, and computed the estimated annual mass emission, rather than checking the box on the form that data are reported through the ERS without supplying data.

Data submitted by BACWA group participants included all mercury concentration data collected from March through December of 2008, which was also averaged by month, as well as daily flowrates for sampling days, and a computed annual mass emission. All computations for group participants were checked for accuracy and usage of proper formulas for calculations at a minimum. As indicated in the watershed permit, only mercury data for the months of March through December were submitted. However, an annual mass emission was computed by normalizing the data from March through December over the entire 12 months of 2008, to arrive at an estimated annual mass emission.

Estimated Mercury Mass Loads for 2008

The estimated annual mercury mass emission was determined for all municipal permittees listed in the mercury watershed permit. For agencies not participating in the BACWA group, ERS data were used for the computation if those data were available. If no ERS data were available, then the individual permittee mass limit from the watershed permit was used as a conservative estimate of the actual mass emission. These mass limits were used for three very small permittees, namely the Crockett Community Services District (previously Contra Costa County Sanitation District No. 5 at Port Costa), East Brother Light Station, Inc., and the Seafirth Estates Company. Results for each permittee, as well as the sum for the group, are shown in **Table 2**.

Table 2. Estimated Weighted Annual Mass Emission for Municipal Permittees

Municipal Permittee	Weighted Annual Mass Emission ¹ (kg/yr)	Notes on Computations Conducted for This Report
American Canyon, City of	0.0060	Used agency data and calculations
Benicia, City of	0.0228	Used agency data and calculations
Burlingame, City of	0.0314	Used ERS data
Calistoga, City of	0.0003	Didn't use submitted Jan. & Feb. data
Central Contra Costa Sanitary District	0.726	Computed weighted annual mass emission from data provided
Central Marin Sanitation Agency	0.0546	Used agency data and calculations
Crockett Community Services District	0.0072	Used agency mass limit since no data readily available
Delta Diablo Sanitation District	0.0944	Used agency data and calculations
East Bay Dischargers Authority	0.8738	Used agency data and calculations
East Bay Municipal Utilities District	0.5460	Used agency data and calculations
East Brother Light Station, Inc.	0.00001	Used agency mass limit since no data readily available
Fairfield-Suisun Sewer District	0.0673	Used agency data and calculations
Las Gallinas Valley Sanitary District	0.0292	Used agency data and calculations
Marin County (Paradise Cove), S.D. No. 5	0.0000528	Used agency data and calculations
Marin County (Tiburon), S.D. No. 5	0.002918	Used agency data and calculations
Millbrae, City of	0.01840	Used agency data and calculations
Mt. View Sanitary District	0.0347	Used agency data and calculations

Municipal Permittee	Weighted Annual Mass Emission ¹ (kg/yr)	Notes on Computations Conducted for This Report
Napa Sanitation District	0.0226	Computed weighted annual mass emission from data provided
Novato Sanitary District	0.0234	Used agency data and calculations
Palo Alto, City of	0.0900	Used agency data and calculations
Petaluma, City of	0.0322	Computed weighted annual mass emission from data provided
Pinole, City of	0.0715	Used ERS data
Rodeo Sanitary District	0.0132	Used ERS data (not j-flag data)
Saint Helena, City of	0.0000	Used permittee conc, but no flow
San Francisco, City and County of, SF Int'l Airport	0.0048	Used agency data and calculations
San Francisco (Southeast Plant), City and County of	0.5056	Used agency data and calculations
San Jose/Santa Clara, Cities of	0.2826	Used agency data and calculations
San Mateo, City of	0.141	Used agency data and calculations
Sausalito-Marin City Sanitary District	0.0263	Computed weighted annual mass emission from data provided
Seafirth Estates Company	0.00036	Used agency mass limit since no data readily available
Sewerage Agency of Southern Marin	0.0518	Used agency data and calculations
Sonoma Valley County Sanitary District	0.0025	Computed weighted annual mass emission from data provided
South Bayside System Authority	0.1792	Used agency data and calculations
South San Francisco and San Bruno, Cities of	0.0939	Used agency data and calculations
Sunnyvale, City of	0.0636	Used agency data and calculations
US Naval Support Activity, Treasure Island	0.0063	Used agency data and calculations
Vallejo Sanitation and Flood Control District	0.2335	Used agency data and calculations
West County Agency	0.1587	Used agency data and calculations
Yountville, Town of	0.0018	Computed weighted annual mass emission from data provided
TOTAL	4.5	

¹ The weighted annual mass emission for each agency was calculated based on daily flow and mercury concentration data from March 2008 through December 2008, except as noted.

Interpretation of Estimated Mass Load Results

The estimated, weighted annual mass emission is 4.5 kg/yr, which is lower than the mass limit in the watershed permit of 17 kg/yr. In reviewing the information, several possibilities arise for why the estimated, weighted annual mass emission was lower for 2008. Reasons for a reduction of mercury in municipal discharges are as follows:

- Dental amalgam programs are having an effect. – Many agencies have started implementing dental amalgam programs, as shown in the next section. In addition, it is known that dentists are reducing use of mercury amalgam generally. It seems likely that the dental amalgam being prevented from entering the sewer is having a measurable effect on mercury mass loads.
- Increased sewer cleaning is removing mercury deposits in sewers. – With the advent of Sewer System Management Plans (SSMPs), the more than 100 sanitary sewer collection agencies in the Bay Area are getting more sophisticated about sewer cleaning of sediment deposits in

sewers. These deposits, which probably contain mercury, are being removed from sewers as communities get closer to completing the first round of cleaning 100% of sewers.

- Mercury source control activities have had an effect. – Another contributing factor for the low estimated annual group mercury mass emission is the many mercury source control activities that have occurred over the last ten years, some of which are described in the next section of this report. It may be that these activities have had a measurable effect in keeping mercury-containing products or their contents from entering the sewers.
- More treated wastewater was used as recycled water for irrigation and other uses. – BACWA agencies recycled more water in 2008 than ever before, and this water reduced the flow to San Francisco Bay, and therefore the mercury load.
- There were no mercury slug loadings reported in 2008. – No permittees reported slug loadings of mercury during the reporting period. From time to time, agencies have measured very high concentrations in both the influent and effluent, for a very short period of time, but the source was never identified. There were not events of this type reported for the group during 2008.
- Low flow devices are reaching critical mass. – Wastewater agencies have documented that dry weather influent flows have begun to decrease. A key contributing factor to this phenomenon is the installation of low flow devices that have been installed in communities around the Bay Area as part of successful water conservation programs that have been implemented over the last decade, and more recently due to statewide drought.
- Improvements to treatment facilities have had an effect. – In recent years, some permittees have implemented capital improvements, including replacement or upgrades to aging equipment and unit processes. These capital expenditures have resulted in achievement of higher pollutant removal efficiencies.
- Agencies are now skilled at clean sampling. – In the year 2000, clean sampling techniques for mercury were just beginning for many agencies. It is believed that more and more agencies have become skilled at the clean hands-dirty hands sampling techniques and that the results are more accurate now, with less contamination.
- The wet months of January and February are not accurately represented. – January and February, which are normally the wettest months of the year with higher than average flows in comparison to the other ten months, were not accurately represented by normalizing the data from March through December. If January and February 2008 data were used, then it is expected the group mass emission would have been higher. This issue will be addressed in future reports, when the municipal permittees report the full year of discharge data beginning in 2009.
- 2008 was another drought year. – 2008 was another drought year in a series of drought years, so flows were down for the year as a result. Since wastewater flows contribute directly to the computation of mass loads, a low mass emission would result from drought conditions.

Source Control Activities

Permittees participating in the BACWA group conducted numerous source control activities during the reporting period, as shown in **Table 3** on the following page. Highlights of the source control activities are as follows:

- Dental Amalgam Programs
- Thermometer and/or Thermostat Exchanges
- Fluorescent Light Recycling
- Household Hazardous Waste Collection
- Public Outreach/ Education
- Controls for Vehicle Service Facilities
- Battery Recycling
- Public School Pollution Prevention Audits and Other Source Reduction Programs
- Reduction Of Mercury in Laboratory Waste
- Hospital/Medical Clinic Mercury Inspections And/Or Related Source Reduction Activities
- Support Of Mercury Thermostat Legislation

Some agencies did not specifically report a public outreach or education program, but one could be inferred from the other activities. For example, in order to collect mercury thermometers, the agency would need to advertise the collection program. In addition, many agencies in the Bay Area recycled their wastewater for irrigation of turf and landscaping, industrial uses, and agriculture. This recycled water does not enter San Francisco Bay, yet agencies didn't consider this specifically a source control program in their individual reports.

Most agencies reported that the amount of mercury reduced from waterways from source control programs was not known, since it is very difficult, for example, to estimate how many mercury thermometers collected would not have made it into the sewer. However, agencies that were involved in the collection of household hazardous waste were generally able to quantify the mass of mercury collected, which ranged from 0.14 pounds (0.06 kg) to 160 pounds (73 kg), during 2008. In addition, the City of Palo Alto estimated that 11.2 pounds (5.1 kg) were prevented from entering the sewer in 2008 based specifically on their new comprehensive and mandatory dental amalgam program, which includes Best Management Practices for dentists and amalgam separators installed in dental offices.

Indeed, it is believed that these continuing activities have contributed to the reduction in mercury mass loadings entering the sewer system as exhibited by the data presented earlier in this report. A large amount of public education also occurred during the period throughout the Bay Area. As a result, BACWA believes it is likely that if you ask any person in the San Francisco Bay Area on the street today who keeps up with current events, they will probably be aware that mercury is an issue in our environment. This would not have been the case 10 years ago, before so many communities in the Bay Area began implementing a series of mercury source control activities, including critical public outreach. It is believed that BACWA participating agencies as a whole have been the pre-eminent environmental stewards for public awareness about mercury in the Bay Area.

It is recommended that for next year's group report, a checklist of possible source control activities be provided to group participants. This approach would allow for more accurate and consistent reporting for all participating agencies, it would make the reporting easier for agencies, and it would also provide ideas to agencies for other activities that they could be doing to further reduce mercury in our environment.

Table 3. Mercury Source Control Activities By Agency

Municipal Agency Listed in Watershed Permit	Mercury Source Control Projects Underway or Planned, as Reported by Agencies to BACWA (a = project was completed or underway in 2008, b = project is planned for the near future)						
	Dental Amalgam Program	Fluorescent Light Recycling	Household Hazardous Waste Collection	Public Outreach/ Education	Thermometer and/or Thermostat Exchange	Vehicle Service Facilities	Other
American Canyon, City of	a, b	a, b		a, b	a, b	a, b	
Benicia, City of	(2), b	a, b	a, b	(4) a		a	
Burlingame, City of							
Calistoga, City of	a, b						
Central Contra Costa Sanitary District	a, b	a, b	a, b	a, b	a, b	a, b	(3,4,5,6) a, b
Central Marin Sanitation Agency	b	a, b	b	a, b		a, b	(4) a, b
Crockett Community Services District (previously Contra Costa County Sanitation District No. 5, Port Costa)							
Delta Diablo Sanitation District	b	a, b	a, b	a, b			
East Bay Dischargers Authority	a, b	a, b	a, b	a, b	a, b	a, b	(5, 6) a, b
East Bay Municipal Utilities District	a, b			a, b	a, b		(6, 3) a, b
East Brother Light Station, Inc. ¹							
Fairfield-Suisun Sewer District	b		a, b	a, b			
Las Gallinas Valley Sanitary District	b	a, b		a	a		(4) a, b
Marin County (Paradise Cove), Sanitary District No. 5 of				a, b			
Marin County (Tiburon), Sanitary District No. 5 of				a, b			
Millbrae, City of	a, b						
Mt. View Sanitary District	a, b	a, b	a, b	a, b	a, b		
Napa Sanitation District	a, b		a, b	a, b	a, b		
Novato Sanitary District	a, b	a, b	a, b	a, b		a, b	(4) a
Palo Alto, City of	a, b	a, b		a, b	a, b	a, b	
Petaluma, City of	b						(7) a
Pinole, City of	a, b	b			b		
Rodeo Sanitary District							
Saint Helena, City of							
San Francisco (Airport), City and County of							
San Francisco (Southeast Plant), City and County of	a, b	a, b		a, b	a, b		(6, 3) a
San Jose/Santa Clara, Cities of	a, b	a, b	a, b	a, b	a, b		(8) a

Municipal Agency Listed in Watershed Permit	Mercury Source Control Projects Underway or Planned, as Reported by Agencies to BACWA (a = project was completed or underway in 2008, b = project is planned for the near future)						
	Dental Amalgam Program	Fluorescent Light Recycling	Household Hazardous Waste Collection	Public Outreach/Education	Thermometer and/or Thermostat Exchange	Vehicle Service Facilities	Other
San Mateo, City of	a, b	a, b			a, b		
Sausalito-Marín City Sanitary District	b	a, b	b	a, b			(4) a, b
Seafirth Estates Company and Property Owners within the Seafirth Estates Subdivision ¹							
Sewerage Agency of Southern Marin	b	a, b	b	a, b			(4) a, b
Sonoma Valley County Sanitary District	a, b						
South Bayside System Authority	a, b			a, b	a		(7, 9) a
South San Francisco and San Bruno, Cities of	a, b	a, b		b	a, b		
Sunnyvale, City of		a, b		a, b	a, b		(5) a, b
US Naval Support Activity, Treasure Island		a			b		(3) a
Vallejo Sanitation and Flood Control District	a, b	a, b		a, b	a, b		
West County Agency (West County Wastewater District and City of Richmond Municipal Sewer District)	a, b		a, b	a, b	a, b		
Yountville, Town of	b						

¹ This Permittee serves domestic customers but is not a municipal government agency.

² Dental office inspections were conducted prior to 2008.

³ Public school pollution prevention audits or other source reduction program

⁴ Battery recycling

⁵ Reduction of mercury laboratory waste

⁶ Hospital/medical clinic mercury inspections and/or related source reduction activities

⁷ Recycled water program reduces mercury discharges

⁸ Support of mercury thermostat legislation

⁹ Hired additional personnel to conduct mercury source reduction efforts

Summary and Conclusions

The weighted annual average mercury mass load for all municipal permittees to San Francisco Bay for 2008 is calculated to be 4.5 kg/yr. Agencies participating in the BACWA group conducted many mercury source control programs, and in some cases quantified their reductions. For example, the City of Palo Alto estimated that 11.2 pounds (5.1 kg) were prevented from entering the sewer in 2008 based specifically on their comprehensive and mandatory dental amalgam program.

There are potentially many reasons the total mercury mass load is lower than the 17 kg/yr limit, some of which are indicated as follows:

- Dental amalgam programs are having an effect
- Increased sewer cleaning is removing mercury deposits in sewers
- Mercury source control activities have had an effect
- More treated wastewater was used as recycled water for irrigation and other uses
- There were no mercury slug loadings reported in 2008
- Low flow devices are reaching critical mass
- Improvements to treatment facilities have had an effect
- Agencies are now skilled at clean sampling
- The wet months of January and February are not accurately represented
- 2008 was another drought year

In 2009, BACWA will be working with its member agencies to continue development of the dental amalgam programs around the San Francisco Bay Area, and further contributing to mercury reductions through other activities in the years to come.

BACWA 2008 Mercury Group Report
April 1, 2009

Appendix A

BACWA 2008 Mercury Group Report

April 1, 2009

Appendix A contains the annual mercury watershed permit forms submitted by agencies that participated in the BACWA group. In addition, if BACWA computed a weighted annual mass emission from ERS data for non-participating agencies, or if BACWA corrected a participating agency calculation, Part 2 data sheets are included to show these computations as well. If both a BACWA and an agency Part 2 form is included, the BACWA form is shown first. A summary of the weighted annual mass emission for each agency in Table 2 of the main body of the report is repeated on the following page of this appendix for reference.

Table 2. Estimated Weighted Annual Mass Emission for Municipal Permittees

Municipal Permittee	Weighted Annual Mass Emission ¹ (kg/yr)	Notes on Computations Conducted for This Report
American Canyon, City of	0.0060	Used agency data and calculations
Benicia, City of	0.0228	Used agency data and calculations
Burlingame, City of	0.0314	Used ERS data
Calistoga, City of	0.0003	Didn't use submitted Jan. & Feb. data
Central Contra Costa Sanitary District	0.721	Computed weighted annual mass emission from data provided
Central Marin Sanitation Agency	0.0546	Used agency data and calculations
Crockett Community Services District	0.0072	Used agency mass limit since no data readily available
Delta Diablo Sanitation District	0.0944	Used agency data and calculations
East Bay Dischargers Authority	0.8738	Used agency data and calculations
East Bay Municipal Utilities District	0.5460	Used agency data and calculations
East Brother Light Station, Inc.	0.00001	Used agency mass limit since no data readily available
Fairfield-Suisun Sewer District	0.0673	Used agency data and calculations
Las Gallinas Valley Sanitary District	0.0292	Used agency data and calculations
Marin County (Paradise Cove), S.D. No. 5	0.0000528	Used agency data and calculations
Marin County (Tiburon), S.D. No. 5	0.002918	Used agency data and calculations
Millbrae, City of	0.01840	Used agency data and calculations
Mt. View Sanitary District	0.0347	Used agency data and calculations
Napa Sanitation District	0.0226	Computed weighted annual mass emission from data provided
Novato Sanitary District	0.0234	Used agency data and calculations
Palo Alto, City of	0.0900	Used agency data and calculations
Petaluma, City of	0.0322	Computed weighted annual mass emission from data provided
Pinole, City of	0.0715	Used ERS data
Rodeo Sanitary District	0.0132	Used ERS data (not j-flag data)
Saint Helena, City of	0.0000	Used agency data, but no flow
San Francisco, City and County of, SF Int'l Airport	0.0047	Didn't use submitted Jan. & Feb. data
San Francisco (Southeast Plant), City & County of	0.5056	Used agency data and calculations
San Jose/Santa Clara, Cities of	0.2826	Used agency data and calculations
San Mateo, City of	0.141	Used agency data and calculations
Sausalito-Marín City Sanitary District	0.0263	Used agency data and calculations
Seafirth Estates Company	0.00036	Used agency mass limit since no data readily available
Sewerage Agency of Southern Marin	0.0518	Used agency data and calculations
Sonoma Valley County Sanitary District	0.0025	Computed weighted annual mass emission from data provided
South Bayside System Authority	0.1792	Used agency data and calculations
South San Francisco and San Bruno, Cities of	0.0939	Used agency data and calculations
Sunnyvale, City of	0.0636	Used agency data and calculations
US Naval Support Activity, Treasure Island	0.0063	Used agency data and calculations
Vallejo Sanitation and Flood Control District	0.2335	Used agency data and calculations
West County Agency	0.1587	Used agency data and calculations
Yountville, Town of	0.0043	Computed weighted annual mass emission from data provided
TOTAL	4.5	

¹ The weighted annual mass emission for each agency was calculated based on daily flow and mercury concentration data from March 2008 through December 2008, except as noted.

American Canyon, City of

Monica Oakley

From: Stacey Ambrose [sambrose@cityofamericancanyon.org]
Sent: Wednesday, February 11, 2009 1:46 PM
To: moakley@oakleywater.com
Subject: REVISED Hg Watershed Report
Attachments: Annual Hg Watershed Permit Report 2008.dat

Hi Monica,

The version I sent you earlier showed sampling dates in 2009. I changed the year and have attached a revised report. Sorry for the mix-up.

Stacey Ambrose
Water Quality/Lab Manager
City of American Canyon
151 Mezetta Ct.
American Canyon, CA 94503
(707) 647-4542

San Francisco Bay Regional Water Quality Control Board

Annual Mercury Information Reporting Form

Part 1 of 3 – Basic Information

Complete and return all 3 parts of this form to the Regional Water Board no later than February 1st in your Annual Self Monitoring Report, to report on the previous calendar year. You must also mail, fax, or email PDF file of a second copy of this completed form to the address below. In lieu of this dual reporting to the Regional Water Board, you may complete one set of these forms and report through a group in accordance with MRP Section IV.C. (see page E-6).

San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Attention: SF Bay Mercury Watershed Wastewater Permit Compliance Reporting
Email: MercuryWasteWaterShedRwaterboards.ca.gov
Fax: (510) 622-2460

Name of Discharger: City of American Canyon

Individual NPDES Permit Number(s): CA0038768

Discharger Contact Person: Stacey Ambrose

Contact Person Phone Number: (707) 647-4542

Contact Person Email: sambrose@cityofamericancanyon.org

Calendar Year Reporting: 2008 (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature of Responsible Discharger Representative

2/11/09
Date

Peter Lee, Wastewater System Manager
Print Name and Title

San Francisco Bay Regional Water Quality Control Board

**Annual Mercury Information Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of American Canyon

Calendar Year Reporting: 2008 Monitoring Station: E-001-S

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the optional Electronic Report System (ERS), may check and initial this box to certify that its mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form requirement. Any recycled water adjustments must still be shown on this sheet.

MONTH	SAMPLE DATE	EFFLUENT FLOW (MGD)	Hg CONCENTRATION (ug/L)	AVG. MONTHLY MASS LOAD (kg/mo)
MAR	3/3/09	1.755	0.0028	0.0006
APR	4/9/09	1.473	0.0046	0.0008
MAY	5/15/09	1.243	0.0035	0.0005
JUN	6/5/09	1.309	0.0059	0.0009
JUL	7/9/09	1.239	0.0023	0.0003
AUG	8/12/09	1.206	0.0027	0.0004
AUG	8/21/09	1.340	0.0016	0.0002
	Mo. Avg.			0.0003
SEP	9/16/09	1.344	0.0020	0.0003
SEP	9/23/09	1.427	0.0018	0.0003
	Mo. Avg.			0.0003
OCT	10/10/09	1.369	0.0020	0.0003
OCT	10/21/09	1.338	0.0020	0.0003
	Mo. Avg.			0.0003
NOV	11/6/09	1.629	0.0022	0.0004
NOV	11/25/09	1.495	0.0023	0.0004
	Mo. Avg.			0.0004
DEC	12/10/09	1.435	0.0038	0.0006
Total Mass (sum)				0.0050
Weighted Annual Mass Emission				0.0060
Average			0.0028	0.0005

Note: if more than one sample in a month at the same station, report flows and concentrations for all sample days above, and calculate average monthly mass load in accordance with the methodology described in Effluent Limitations III of this Order.

Comments on data (if any):

For Dischargers claiming an effluent credit for recycled wastewater use pursuant to Provision V. C.5 of the Order, please indicate the credit(s) that will be applied to the mass loads listed above, and show on the back of this sheet the credit calculation and basis (use additional sheets if necessary). For Dischargers who provide or use recycled wastewater for industrial supply pursuant to Provision V. C.5 of the Order, please indicate any adjustments that have been applied to the mass loads listed above.

San Francisco Bay Regional Water Quality Control Board

**Annual Mercury Information Reporting Form
Part 3 of 3 – Source Control Information**

Discharger: City of American Canyon

Calendar Year Reporting: 2008

1. Discussion of any events that affected mercury loading for the calendar year:

No known specific events affected mercury loading in 2008.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

Public Education Activities –

- Outreach booths that included a mercury message were provided at public events nine times in 2008.
- Neighborhood Clean Up Day was held during Pollution Prevention Week. Outreach material was provided, which included a mercury message.
- City Hall continuously provided educational outreach material, including mercury.
- During May, facility tours to elementary students included a mercury message.
- Each month the City published pollution prevention articles in the local paper, including a continuous message regarding mercury.

Dental Amalgam –

- The City began developing a Dental Amalgam Program and has participated in dental amalgam educational workshops/training. The Program is anticipated to be completed in early 2009; however, the City has already begun to implement aspects of the Program, as listed below.

Permitting of Businesses –

- The City implemented a permitting process for all businesses in the City, including dentists and vehicle service facilities. This process was completed in December 2008 and included BMPs specific to the businesses type and inspections.

Mercury Take-Back –

- The City advertises and maintains a location for the collection of fluorescent light bulbs, mercury thermometer exchange, and thermostat collection with a rebate to buy a new one.

San Francisco Bay Regional Water Quality Control Board

b. Projects planned for the near future (include information about expected schedule):

Public Education Activities –

- The same public events and outreach are anticipated for 2009, but have not yet been scheduled.
- Neighborhood Clean Up Day will be held again during Pollution Prevention Week.
- City Hall continuously provided educational outreach material, including mercury.
- Our facility will conduct school tours as they are requested from the schools.
- The City will continue to publish monthly messages in the local paper.

Dental Amalgam –

- The Dental Amalgam Program is expected to be complete in the first quarter of 2009 and will be immediately implemented. This will include the first efforts to address amalgam separators.

Permitting of Businesses –

- Permits issued in 2008 will be maintained through inspections.

Mercury Take-Back –

- The City advertises and maintains a location for the collection of fluorescent light bulbs, mercury thermometer exchange, and thermostat collection with a rebate to buy a new one.

Benicia, City of

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form

Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger: City of Benicia Wastewater Treatment Plant

NPDES Permit Number(s): CA00038091

Discharger Contact Person: Vicki Shidell

Contact Person Phone Number: 707-746-4338

Contact Person Email: vshidell@ci.benicia.ca.us

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") 2008

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Gerald Gall
Signature of Responsible Discharger Representative

2/13/2009
Date

Gerald L. Gall, Wastewater Treatment Plant Superintendent
Print Name and Title

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

City of Benicia Wastewater Treatment Plant

Calendar Year Reporting:

2008

Monitoring Station:

EFF-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/14/2008	2.28	0.0093	0.0024
Apr	4/12/2008	2.92	0.014	0.0047
May	5/4/2008	2.20	0.0071	0.0018
Jun	6/3/2008	2.01	0.0086	0.0020
Jul	7/11/2008	1.96	0.0055	0.0012
Aug	8/7/2008	2.00	0.0061	0.0014
Sep	9/18/2008	1.95	0.0068	0.0015
Oct	10/2/2008	1.94	0.0062	0.0014
Nov	11/13/2008	2.03	0.00466	0.0011
Dec	12/3/2008	2.05	0.00563	0.0013
Total Mass (sum)				0.0190
Weighted Annual Mass Emission				0.0228
Average			0.0074	0.0019

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

- Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
- Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
- Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Benicia Wastewater Treatment Plant

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

No events occurred in calendar year 2008 that affected mercury loading.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

No projects completed nor underway to report for calendar year 2008. Individual dental office inspections were conducted in 2005/2006.

b. Projects planned for the near future (include information about expected schedule)

The City is planning to further develop its dental amalgam program for calendar year 2009. Dental offices were inspected in 2006; a telephone survey will be conducted to determine if additional outreach and education program is needed. Dental offices will be encouraged to install amalgam separators to reduce amalgam waste and informed of the eventuality of the requirement. The City is considering the funding of amalgam separator purchases and have the dental offices install/maintain them.

Burlingame, City of

City of Burlingame

The City of Burlingame did not participate in the BACWA group and therefore BACWA did not receive forms for this agency. However, BACWA computed the Burlingame weighted annual mass emission from Regional Water Board Electronic Reporting System (ERS) data, in order to estimate a total mass emission for all municipal permittees. The calculation for Burlingame is shown on the following page.

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger:

City of of Burlingame - Calculated by BACWA

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring static

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/12/08	3.7940	0.0053	0.0023
Apr	4/9/08	3.5780	0.0073	0.0030
May	5/7/08	3.3860	0.0097	0.0038
Jun	6/4/08	3.3830	0.0067	0.0026
Jul	7/9/08	4.3310	0.0094	0.0047
Aug	8/6/08	3.1170	0.0057	0.0021
Sep	9/10/08	3.0050	0.0055	0.0019
Oct	10/8/08	3.1	0.005	0.0018
Nov	11/12/08	2.9940	0.007	0.0024
Dec	12/3/08	2.8630	0.0046	0.0015
Total Mass (sum)				0.0261
Weighted Annual Mass Emission				0.0314
Average			0.0066	0.0026

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Calistoga, City of

Monica Oakley

From: Warren Schenstrom [WSchenstrom@ci.calistoga.ca.us]
Sent: Monday, January 26, 2009 6:39 AM
To: moakley@oakleywater.com
Cc: Dan Takasugi; Jim Smith; Denise Conners
Subject: Hg Monitoring forms
Attachments: Part 1 of 3 2008.doc; Part 2 of 3 (E-1) 2008.doc; Part 2 of 3 (E-2) 2008.doc; Part 3 of 3 2008 (final).doc

Good Morning Monica,

Attached are the Hg monitoring forms for 2008. Please contact me if there are any questions.

*Warren Schenstrom
Water Systems Superintendent
City of Calistoga*

San Francisco Bay Regional Water Quality Control Board

Annual Mercury Information Reporting Form
Part 1 of 3 – Basic Information

Complete and return all 3 parts of this form to the Regional Water Board no later than February 1st in your Annual Self Monitoring Report, to report on the previous calendar year. You must also mail, fax, or email PDF file of a second copy of this completed form to the address below. In lieu of this dual reporting to the Regional Water Board, you may complete one set of these forms and report through a group in accordance with MRP Section IV.C. (see page E-6).

San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612
Attention: SF Bay Mercury Watershed Wastewater Permit Compliance Reporting
Email: MercuryWasteWaterShed@waterboards.ca.gov
Fax: (510) 622-2460

Name of Discharger: City of Calistoga

Individual NPDES Permit Number(s): CA0037966

Discharger Contact Person: Warren Schenstrom

Contact Person Phone Number: 707-942-2847

Contact Person Email: wschenstrom@ci.calistoga.ca.us

Calendar Year Reporting: 2008 (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Warren Schenstrom
Signature of Responsible Discharger Representative

01/20/08
Date

Warren Schenstrom Water Systems Superintendent
Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of Calistoga - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: M-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	0.60	0.0013	0.0001
Apr	4/3/08	0.24	0.0019	0.0001
May	5/7/08	0.13	0.0009	0.0000
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov				No data
Dec				No data
Total Mass (sum)				0.0002
Weighted Annual Mass Emission				0.0003
Average			0.0014	0.0001

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of Calistoga - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: M-002

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar				No data
Apr				No data
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov				No data
Dec				No data
Total Mass (sum)				0.0000
Weighted Annual Mass Emission				0.0000
Average			N/A	N/A

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

San Francisco Bay Regional Water Quality Control Board

**Annual Mercury Information Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of Calistoga

Calendar Year Reporting: 2008

Monitoring Station: M-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the optional Electronic Report System (ERS), may check and initial this box to certify that its mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form requirement. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date	Effluent Flow (mgd) <small>Enter the effluent flow for only the days when mercury was sampled.</small>	Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
			<small>Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled. Only provide total mass load if sampled every month.</small>	
Jan	01/03/08	0.458	0.0006	0.0000
Feb	02/13/08	0.622	0.0012	0.0001
Mar	03/04/08	0.598	0.0013	0.0001
Apr	04/03/08	0.241	0.0019	0.0001
May	05/07/08	0.133	0.0009	0.0000
Jun				
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Total		2.023		0.0003
Average		0.405	0.0012	0.0001

Note: if more than one sample in a month at the same station, report flows and concentrations for all sample days above, and calculate average monthly mass load in accordance with the methodology described in Effluent Limitations III of this Order.

Comments on data (if any):

For Dischargers claiming an effluent credit for recycled wastewater use pursuant to Provision V.C.5 of the Order, please indicate the credit(s) that will be applied to the mass loads listed above, and show on the back of this sheet the credit calculation and basis (use additional sheets if necessary). For Dischargers who provide or use recycled wastewater for industrial supply pursuant to Provision V.C.5 of the Order, please indicate any adjustments that have been applied to the mass loads listed above.

San Francisco Bay Regional Water Quality Control Board

**Annual Mercury Information Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of Calistoga

Calendar Year Reporting: 2008

Monitoring Station: M-002

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the optional Electronic Report System (ERS), may check and initial this box to certify that its **mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form requirement. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date	Effluent Flow (mgd) <small>Enter the effluent flow for only the days when mercury was sampled.</small>	Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
			<small>Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled. Only provide total mass load if sampled every month.</small>	
Jan	01/30/08	1.288	0.0180	0.0004
Feb	02/06/08	0.662	0.0089	0.0001
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Total		1.950		0.0005
Average		0.975	0.0135	0.0003

Note: if more than one sample in a month at the same station, report flows and concentrations for all sample days above, and calculate average monthly mass load in accordance with the methodology described in Effluent Limitations III of this Order.

Comments on data (if any):

For Dischargers claiming an effluent credit for recycled wastewater use pursuant to Provision V.C.5 of the Order, please indicate the credit(s) that will be applied to the mass loads listed above, and show on the back of this sheet the credit calculation and basis (use additional sheets if necessary). For Dischargers who provide or use recycled wastewater for industrial supply pursuant to Provision V.C.5 of the Order, please indicate any adjustments that have been applied to the mass loads listed above.

San Francisco Bay Regional Water Quality Control Board

**Annual Mercury Information Reporting Form
Part 3 of 3 – Source Control Information**

Discharger: City of Calistoga

Calendar Year Reporting: 2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were no events which affected the mercury loading for the calendar year.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Annual methyl mercury sampling occurred on May 7th 2008. The result was an estimated 0.0438 ng/L with a reporting limit (RL) of 0.05 ng/L. The M-001 river discharge flow for the day of methyl mercury sampling was 0.133 MGD.

An inventory of dentists and medical facilities located in the service area was compiled.

b. Projects planned for the near future (include information about expected schedule):

1) Project Activities

- Compose BMP fact sheet on the reduction of Hg into the collection system
- Provide BMP fact sheet to local dentists and discuss amalgam management practices

2) Implementation Schedule

- Compose BMP fact sheet by April 09
- Compile list of dentists in service area by June 09
- Provide BMP fact sheet to local dentists and discuss amalgam management practices by August 09

3) Estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment

= (three dentists)(estimate of 1.5 g Hg / mo per dentist)

= 4.5 g Hg / mo mass load to be avoided through program activities

Central Contra Costa Sanitary District



CENTRAL CONTRA COSTA SANITARY DISTRICT

**FACSIMILE
TRANSMITTAL**

Voice: 925-229-7284

Fax: 925-689-1232

Sent to: Ms. Monica Oakley, Oakley Water Strategies

Fax #: 510-663-3601

Phone #: 510-663-3600

Sent by: Douglas J. Craig, Director of Plant Operations

Date: February 10, 2009

Pages: 4, including cover sheet

Subject: Annual Mercury Information Group Reporting form

COMMENTS:

Attached is Central Contra Costa Sanitary District's Annual Mercury Information Group Reporting Form for 2008.

If you have any questions, please call Mr. Bhupinder Dhaliwal at 925-229-7237.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 4 – Basic Information - DRAFT

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email: moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

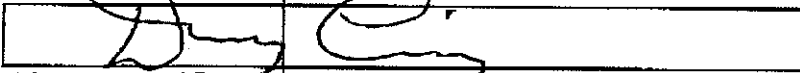
Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

DRAFT 1-3-09

N:\POSUP\Laboratory\2009\MercuryWatershedGrpReportingForms.xls

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: Central Contra Costa Sanitary District – Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	44.5	0.015	0.077
Apr	4/2/08	41.5	0.015	0.072
May	5/6/08	36.2	0.015	0.063
Jun	6/4/08	36.8	0.016	0.068
Jul	7/9/08	32.4	0.011	0.041
Aug	8/5/08	34.3	0.010	0.040
Sep	9/10/08	36.2	0.012	0.050
Oct	10/7/08	34.3	0.017	0.067
Nov	11/4/08	40.2	0.016	0.074
Dec	12/2/08	35.2	0.012	0.049
Total Mass (sum)				0.601
Weighted Annual Mass Emission				0.721
Average			0.014	0.060

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

Mercury Information Reporting Form
Part 2 of 4 – Mercury Data - DRAFT

Discharger:

Central Contra Costa Sanitary District

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are completed and correct**. If it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan	--	--	--	--
Feb	--	--	--	--
Mar	03/04/08	44.5	0.015	0.077
Apr	04/02/08	41.5	0.015	0.072
May	05/06/08	36.2	0.015	0.062
Jun	06/04/08	36.8	0.016	0.068
Jul	07/09/08	32.4	0.011	0.046
Aug	08/05/08	34.3	0.010	0.040
Sep	09/10/08	36.2	0.012	0.050
Oct	10/07/08	34.3	0.017	0.067
Nov	11/04/08	40.2	0.016	0.074
Dec	12/02/08	35.2	0.012	0.049
Total (10 months)				0.605
Average			0.0140	0.060

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering to the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year).
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

DRAFT 1-3-09

N:\POSUP\Laboratory\2009\MercuryWatershedGrpReportingForms.xls

Bay Area Clean Water Agencies

**Mercury Information Reporting form
Part 3 of 4 - source Control Information - DRAFT**

Discharger: Central Contra Costa Sanitary District

Calendar Year Reporting: 2008

1 Discussion of any events that affected mercury loading for the calendar year:

None. Influent and effluent data is within range of previous years. Since the mandatory amalgam separator program was initiated, the trend has been lower effluent concentrations and less variability in maximum concentrations measured.

2 Description of mercury source control projects underway or planned.

a. Projects completed or underway during the reporting year:

Dental Amalgam Program: Includes mandatory amalgam separator requirement, along with other dental business management practices. Program was designed and developed in 2006, permits were issued to initiate full implementation in 2007, and in 2008 program was maintained by processing permits and certifications for new sites and new owners of existing lines and began site inspections under program. Avoided mercury mass loads not known; amount to be determined using models developed by Bay Area Clean Water Agencies.

Household Hazardous Waste Collection Program (HHW Program): Full range of mercury wastes were collected from residential customers and small businesses. Services were initiated in 2007 and continued in 2008. 122.24 pounds of mercury wastes were collected in 2008. Avoided mercury mass loads not known.

Mercury Thermometer Exchange Program: Exchanged digital fever thermometers for mercury thermometers delivered to the HHW Program. Program initiated in 1999 and continued in 2008. A total of 2,040 thermometers were delivered to the HHW Program; 242 digital thermometers were exchanged. Avoided mercury mass loads not known.

High School Pollution Prevention (P2) Audit Program: Comprehensive P2 audits were performed at school sites, along with the laboratory exchange, and no charge for disposal of mercury wastes through the HHW Program included as program elements. Program was designed, developed, and initiated in 2007; in 2008 program was completed and recognition program implemented. 150 spirit thermometers were exchanged, 180 mercury laboratory thermometers, 1 pound of elemental mercury, and 12.25 pounds of mercury compounds were collected through the HHW Program. Avoided mercury mass loads not known.

Community Education Programs: Ongoing programs to promote pollution prevention, generally, and mercury pollution prevention, specifically, through community newsletters, Earth Day booth, and school education programs. Avoided mercury mass loads not known.

b. Projects planned for the near future:

Continue programs identified in a. above. Consider dental P-trap replacement program for dental facilities, as data from on-site dental facility visits and downstream monitoring of clusters of dental practices is obtained.

DRAFT 1-3-09

Central Marin Sanitation Agency

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

RECEIVED

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

FEB 17 2009

Oakley Water Strategies, Inc.

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Central Marin Sanitation Agency

Calendar Year Reporting: 2008 Monitoring Station: M-002

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	9.4	0.0043	0.0047
Apr	4/12/08	7.4	0.0055	0.0047
May	5/7/08	7.3	0.0048	0.0040
Jun	6/4/08	7.0	0.0076	0.0061
Jul	7/11/08	6.7	0.0071	0.0055
Aug	8/6/08	6.4	0.0062	0.0046
Sep	9/12/08	6.5	0.0060	0.0045
Oct	10/8/08	6.9	0.0049	0.0039
Nov	11/5/08	10.9	0.0049	0.0062
Dec	12/3/08	6.7	0.0017	0.0013
Total Mass (sum)				0.0455
Weighted Annual Mass Emission				0.0546
Average			0.0053	0.0046

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Central Marin Sanitation Agency

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were no unusual events that would have affected mercury loading for the calendar year. Flows for March- December of 2008 were lower than normal due to the lack of rain experienced.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

A) Auto Repair inspections - (1-2) annual inspection of all auto repair facilities throughout the service area (3) no quantifiable estimate of mercury mass loading avoided
B) Battery Recycling - (1-2) Recycled all batteries used at facility and by employees during the year (3) no quantifiable estimate of mercury mass loading avoided
C) Spent fluorescent lamp recycling (1-2) Recycled all fluorescent lamps used at the facility during the year (3) recycled 828 feet mass loading avoided 8.3 grams of mercury
D) Public Outreach Efforts - 1) Environmental Quiz was administered to 3246 people at Marin County events with information about recycling fluorescent lamps and CFLs because they contain mercury 2) Handed out brochures from the EPA and DTSC on items that may contain mercury and how to properly handle their disposal at all public events during 2008

b. Projects planned for the near future (include information about expected schedule):

A) All program elements included in (a.) above will be continued and we will work to more carefully quantitate the amount of mercury mass loading that was avoided
B) Dental Amalgam Program - By March 1, 2009 we will have developed and begun to implement a dental amalgam program that requires dental offices to install amalgam separators
C) Continue to develop county wide implementation for dental amalgam program based on level of interest for individual agencies
D) Have a county wide publicized event for mercury collection for bulk mercury and mercury containing devices at the two current household and small business hazardous waste collection facilities in Marin County

Delta Diablo Sanitation District

Monica Oakley

From: Roa, Amanda [AmandaR@ddsd.org]
Sent: Tuesday, February 17, 2009 12:12 PM
To: moakley@oakleywater.com
Cc: Cain, Darrell; Laniohan, Dennis; Dominguez, Steve
Subject: Hg Group Reporting for DDSD
Attachments: DDSD 2008 Hg Group Reporting Data.xls; DDSD 2008 Hg Group Reporting Pg 1.pdf

Monica - Here is the data from DDSD. Please let me know if you need anything else.

Amanda

Amanda Wong Roa, P.E.
Environmental Compliance Engineer
Delta Diablo Sanitation District
2500 Pittsburg-Antioch Hwy
Antioch, CA 94509-1373
P 925.756.1940
F 925.756.1960
*** AmandaR@ddsd.org *** NEW E-MAIL
<http://www.ddsd.org>

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Delta Diablo Sanitation District

Calendar Year Reporting:

2008

Monitoring Station:

E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan		No Data		
Feb		No Data		
Mar	3/3/08	10.10	0.0088	0.0103
Apr	4/1/08	7.40	0.0120	0.0103
May	5/1/08	11.20	0.0091	0.0118
Jun	6/1/08	12.70	0.0077	0.0113
Jul	7/1/08	8.10	0.0068	0.0064
Aug	8/4/08	7.50	0.0058	0.0050
Sep	9/4/08	5.80	0.0071	0.0048
Oct	10/1/08	7.10	0.0065	0.0053
Nov	11/1/08	10.20	0.0063	0.0074
Dec	12/5/08	7.60	0.0071	0.0062
Total Mass (sum)				0.0787
Weighted Annual Mass Emission				0.0944
Average			0.0077	0.0079

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Delta Diablo Sanitation District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Household Hazardous Waste Collection - The District owns and operates an HHW collection facility for East Contra Costa County. We collect fluorescent bulbs and other mercury containing devices on a continuous basis. The facility is open to residents and small businesses Tuesday through Thursday from 9am -4pm. We collected 14,318 pounds of fluorescent bulbs and mercury containing devices in 2008. **Retail Store Takeback** - The District has partnered with several local hardware stores (Ace's and OSH's) to collect fluorescent bulbs from residents at retail locations. In 2008, the store collected and recycled 5,248 pounds of fluorescent bulbs. **Public Outreach** - The District has several methods of outreaching to the public on proper mercury handling and disposal. These methods include Comcast cable ads (30-second PSA, 696 spots); distribution of public education materials at fairs, events and various civic locations; education of local fifth grade students in the classroom; sponsorship of Delta Discovery Voyages on the Research Vessel Brownlee and inclusion of mercury topics in the curriculum; and participation in BAPPG's Mercury Thermometer Exchange. **Estimated Amount of Hg Collected** - It is estimated that the District collected 7.26 pounds of mercury through it's HHW and retail takeback activities.

b. Projects planned for the near future (include information about expected schedule)

The District plans on continuing the activities listed above. In addition, the District will be implementing a Dental Amalgam Program. Implementation will begin in the 09/10 fiscal year.

East Bay Dischargers Authority

Monica Oakley

From: Mike Connor [mconnor@ebda.org]
Sent: Friday, February 06, 2009 4:35 PM
To: 'Monica Oakley'; 'Rich Currie'
Cc: mconnor@ebda.org
Subject: EBDA HG Spreadsheet
Attachments: Text for Hg Annual Rept.docx; Final Hg Watershed Grp Reporting Forms 1-14-09.xls

Enclosed is our Mercury Watershed Permit Report for the BACWA Group reporting summary. I have also enclosed a table format for the current and future activities. Given that you will be reporting for several dozen facilities, it is probably too much information, but I liked the story it told.

Thanks for coordinating this response!

Mike Connor
General Manager
East Bay Dischargers Authority
2651 Grant Avenue
San Lorenzo, CA 94580
510-278-5910
510-278-6547 (fax)
mconnor@ebda.org

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:


Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature or Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

East Bay Dischargers Authority

Calendar Year Reporting:

2008

Monitoring Station:

E-001 (M-001) Combined Discha

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	57.44	0.00972	0.0645
Apr	4/2/08	67.71	0.00814	0.0636
May	5/7/08	62.18	0.00891	0.0640
Jun	6/4/08	60.22	0.01620	0.1126
Jul	7/2/08	58.79	0.01330	0.0903
Aug	8/6/08	56.17	0.01120	0.0726
Sep	9/3/08	58.91	0.00809	0.0550
Oct	10/1/08	56.06	0.00830	0.0537
Nov	11/5/08	66.41	0.00800	0.0613
Dec	12/3/08	64.84	0.01210	0.0906
Total Mass (sum)				0.7282
Weighted Annual Mass Emission				0.8738
Average			0.0104	0.0728

a

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

East Bay Dischargers Authority

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

Influent into the four EBDA member plants generally had a mercury concentration of <200 ng/l, allowing the EBDA effluent to average less than 11 ng/l, about six times lower than the permit requirement. These concentrations did not show a significant seasonal variation. EBDA loads are about one-third the amount they were five years ago. Part of this decline can be attributed to improved solids removal at the treatment plants. The additional decline is due to Dental amalgam programs, Mercury thermometer exchange, Fluorescent light bulb collection, and Public education activities.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Several EBDA agencies have initiated Dental Amalgam Management programs or worked with the local dental associations to develop improvements. In San Leandro, the 78 dentists are required to attain 85% removal through pre-treatment when they receive a building permit. We estimate that 164 amalgam separators have been installed within the Union Sanitary District area alone. Most of our member agencies have held mercury thermometer exchanges with 75 thermometers collected this year. See attached table for more detail.

b. Projects planned for the near future (include information about expected schedule)

Continue the above activities and evaluate their effectiveness. See attached table for more detail.

Mercury Pollution Prevention Programs for 2008 (adopted from USD program)

Source	Audiences	Message/Program	Implementation Plan & Timeline	Evaluation Method
Dental Outreach	Dentists, Dental Technicians, & Waste Vendors	Proper collection of waste amalgam for recycling	Newsletter articles; Alameda Dental Assn. presentations; on-site consultations; & participation in BAPPG effort	Conduct analysis of headworks monitoring data for Hg, and track implementation by dental offices of recommended "BMPs".
Residential and District Thermometer Exchange	Residents within service area	Replace mercury thermometers with digital thermometers.	Various (e.g. BAPPG partners included San Leandro, USD, Livermore, & Dublin collected 90 thermometers)	Calculate the total pounds of mercury that are turned in to our collection points each year.
District chemical analysis	USD Lab, plant personnel	Substitute mercury-containing chemicals when possible.	USD laboratory recycling mercuric oxide waste for reclamation instead of disposal as hazardous waste.	Aim to eliminate use of all mercury and trace mercury containing products at USD.
Fluorescent Lamps	Internal Purchasing & Maintenance Staff	Recycle used fluorescent lamps Purchase low-Hg lamps (e.g., Philips or equal)	Adopt low-Hg lamp specification when published by Palo Alto	Estimate the amount of mercury removed from our working environment. The District recycled 320 lamps during this reporting period.
	Commercial/ Industrial facilities	Encourage recycle of used lamps and purchase of low-Hg lamps	As part of regularly scheduled inspections	
Hospital/Medical Clinic Mercury Evaluation	Hospitals, Medical Clinics	Replace mercury containing devices with mercury free alternatives when possible	Determine scope of project. Identify major and minor facilities to be inspected. Participate in BAPPG effort.	Review data from Inspections and Audits

Planned Mercury Pollution Prevention Activities, 2009 (adopted from USD program)

Source	Audiences	Message/Program	Implementation Plan & Timeline	Evaluation Method
Residential and District Thermometer Exchange	Residents within service area	Replace mercury thermometers with digital thermometers.	San Leandro will add farmers markets as locations for thermometer exchanges and fluorescent recycling.	Calculate the total pounds of mercury that are turned in to our collection points each year.
Fluorescent Lamps	Internal Purchasing & Maintenance Staff Commercial/Industrial facilities	Continue to recycle used fluorescent lamps. Purchase low-Hg lamps (e.g., Philips or equal) Notify commercial and industrial users about the revised universal waste law and provide appropriate recycling information.	Adopt low-Hg lamp specification when published by Palo Alto. As part of regularly scheduled inspections	Estimate the amount of mercury removed from our working environment.
Switches, Controls, & Thermostats	Internal Maintenance & Facilities Staff Commercial/Industrial facilities Homeowners & Landlords	Recycle Hg-containing devices when replaced as part of regular maintenance. Convert to non-Hg type at same time. Encourage recycle Hg-containing devices when replaced as part of regular maintenance.	On-going As part of regularly scheduled inspections Continue to operate Hg drop-off at facilities on an on-going basis. This program is described on the internet at: www.unionsanitary.com/pp/mercury .	Estimate amount of mercury removed from working environment. Calculate the total pounds of mercury that are turned in to our collection points each year.
Dental Amalgam	Dentists, Dental Technicians, & Waste Vendors	New practices to install an amalgam separator. Also certify use of BMPs for waste amalgam.	On-site inspection of a group of offices to assess compliance with amalgam separator requirement	Continue analysis of headworks monitoring data for Hg, and track implementation by dental offices of recommended "BMPs" and separator installation.
Hospitals, clinics	Hospitals, administrators and physicians	Remove, replace, or properly handle mercury containing devices and solutions	Partner with Hospitals for a Healthy Environment to provide outreach to hospitals in service area.	Estimate amount of mercury removed from working environment. Account for the amount of mercury in use.

East Bay Municipal Utilities District

Monica Oakley

From: Newman, Robert [rnewman@ebmud.com]
Sent: Monday, February 09, 2009 2:42 PM
To: moakley@oakleywater.com
Subject: EBMUD Annual Mercury Group Reporting Forms
Attachments: EBMUD WWF Hg BACWA Reporting Forms 2008.pdf; 2008 Annual Hg Group BACWA Report BACWA MWWTP.pdf

Monica, attached are the group reporting forms for EBMUD's Main WWTP, Point Isabel Wet Weather Facility, San Antonio Creek Wet Weather Facility, and Oakport Wet Weather Facility. Please let me know if you need any additional information. Thanks

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

East Bay Municipal Utility District

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations



A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	66.00	0.0098	
	3/12/08	62.00	0.0073	
	3/19/08	58.00	0.0069	
Mar Ave:		62.00	0.0080	0.0749
Apr	4/2/08	58.00	0.0067	
	4/16/08	69.00	0.0062	
	4/23/08	77.00	0.0062	
	4/30/08	67.00	0.0047	
Apr Ave:		67.75	0.0059	0.0495
May	5/7/08	66.00	0.0053	0.0402
Jun	6/4/08	57.00	0.0072	0.0475
Jul	7/2/08	62.00	0.0057	0.0409
Aug	8/13/08	58.00	0.0060	0.0402
Sep	9/3/08	56.00	0.0052	0.0336
Oct	10/1/08	55.00	0.0048	0.0307
Nov	11/5/08	65.00	0.0066	0.0495
Dec	12/3/08	58.00	0.0072	0.0479
Total Mass (sum)				0.4550
Weighted Annual Mass Emission				0.5460
Average				

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

East Bay Municipal Utility District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

Pollution prevention permits for hospitals including mercury BMPs and for dental offices requiring amalgam separators and specified best management practices (BMPs) for reducing mercury discharge to the drains. Educational institutions mercury reduction activities including collaboration with schools and colleges to eliminate non-essential mercury from laboratories. Mercury thermometer exchange program and public education materials on the proper disposal of mercury containing wastes. Posting of information on the District's website.

- b. Projects planned for the near future (include information about expected schedule)

Updating dental office pollution prevention permit renewals to include a one-time requirement to clean and replace p-traps impacted with mercury.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: East Bay Municipal Utility District - Point Isabel WWF

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar		-		0.0000
Apr		-		0.0000
May		-		0.0000
Jun		-		0.0000
Jul		-		0.0000
Aug		-		0.0000
Sep		-		0.0000
Oct		-		0.0000
Nov		-		0.0000
Dec		-		0.0000
Total Mass (sum)				0.0000
Weighted Annual Mass Emission				0.0000
Average				0.0000

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

- Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
- Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
- Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

East Bay Municipal Utility District - Oakport WWF

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar		-		0.0000
Apr		-		0.0000
May		-		0.0000
Jun		-		0.0000
Jul		-		0.0000
Aug		-		0.0000
Sep		-		0.0000
Oct		-		0.0000
Nov		-		0.0000
Dec		-		0.0000
Total Mass (sum)				0.0000
Weighted Annual Mass Emission				0.0000
Average				0.0000

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

East Bay Municipal Utility District - San Antonio Creek WWF

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar		-		0.0000
Apr		-		0.0000
May		-		0.0000
Jun		-		0.0000
Jul		-		0.0000
Aug		-		0.0000
Sep		-		0.0000
Oct		-		0.0000
Nov		-		0.0000
Dec		-		0.0000
Total Mass (sum)				0.0000
Weighted Annual Mass Emission				0.0000
Average				0.0000

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

- Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
- Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
- Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

There were no discharges from the District's Wet Weather Facilities (Point Isabel, Oakport, or San Antonio Creek) during the period from March 1, 2008 to December 31, 2008

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

East Bay Municipal Utility District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

Pollution prevention permits for hospitals including mercury BMPs and for dental offices requiring amalgam separators and specified best management practices (BMPs) for reducing mercury discharge to the drains. Educational institutions mercury reduction activities including collaboration with schools and colleges to eliminate non-essential mercury from laboratories. Mercury thermometer exchange program and public education materials on the proper disposal of mercury containing wastes. Posting of information on the District's website.

- b. Projects planned for the near future (include information about expected schedule)

Updating dental office pollution prevention permit renewals to include a one-time requirement to clean and replace p-traps impacted with mercury.

Fairfield-Suisun Sewer District

Monica Oakley

From: Giti Heravian [GHeravian@fssd.com]
Sent: Thursday, February 12, 2009 11:00 AM
To: Monica Oakley
Cc: Richard Althouse
Subject: Mercury annual report
Importance: High
Attachments: Final Hg Watershed Grp Reporting Forms 1-14-09.xls

Monica,

Attached is the 2008 Watershed Mercury Annual Report for Fairfield-Suisun Sewer District.

Regards,

Giti Heravian
Phone 707-428-9153
Fairfield-Suisun Sewer District

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:


Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: Fairfield-Suisun Sewer District

Calendar Year Reporting: 2008 Monitoring Station: E-001-A

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	18.40	0.00314	0.0067
Apr	4/2/08	12.34	0.00600	0.0085
May	5/7/08	13.77	0.00433	0.0069
Jun	6/4/08	7.61	0.00204	0.0018
Jul	7/9/08	10.07	0.00532	0.0062
Aug	8/6/08	7.47	0.00800	0.0069
Aug	8/22/08	8.84	0.00546	0.0056
Aug Monthly Avg.			0.00673	0.00624
Sep	9/3/08	8.64	0.00504	0.0050
Oct	10/2/08	8.01	0.00434	0.0040
Nov	11/5/08	17.32	0.00325	0.0065
Dec	12/4/08	12.93	0.00282	0.0042
Total Mass (sum)				0.0561
Weighted Annual Mass Emission				0.0673
Average			0.004706	0.0056

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
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3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Fairfield-Suisun Sewer District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

[Empty box for discussion of events affecting mercury loading]

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

HHW COLLECTION: 1) FSSD contributes funds to a permanent HHW for Fairfield & Suisun City residents. 2) Ongoing. HHW items are accepted, free of charge, two Saturdays per month. 3) Approximately 3200 pounds of mercury containing batteries, bulbs, and e-waste were collected in 2008, containing an estimated 0.14 pounds of mercury. ADVERTISING CAMPAIGN: 1) FSSD works with DDSD to put out "Hometown Green" radio advertisements through Hometown Green on 93.5, KUIC. 30-second spots include those on "Mercury and other Toxic Metals". 2) Spots began airing in November 2008 and will continue through 2009. 3) Avoided mercury mass loads is unknown at this time.

- b. Projects planned for the near future (include information about expected schedule)

The District intends to continue its participation in HHW collection and Advertising. The District will also be participating with BACWA in a regional Dental Program for HG Watershed Permit compliance.

Las Gallinas Valley Sanitary District

Monica Oakley

From: Katerina Capetanos [nina@lgvdsd.org]
Sent: Tuesday, February 17, 2009 9:36 AM
To: moakley@oakleywater.com
Cc: Mark Williams; Matt Pierce; Tymber Cavasian
Subject: FW: Mercury Report attached
Attachments: mercuryreport.pdf; Copy of Final Hg Watershed Grp Reporting Forms 1-14-09 (2).xls

Hi Monica,

I have attached a signed pdf copy of the Hg watershed report as well as an excel copy without a signature so you can use the data. Please send me an e-mail confirmation of receipt and cc to all the addresses in this message.

Thanks for all the work,

Nina Capetanos
Environmental Services Director
Las Gallinas Valley Sanitary District
300 Smith Ranch Road
San Rafael, CA 94903
415-472-1734 x.14
kcapetanos@lgvdsd.org

From: Tymber Cavasian
Sent: Tuesday, February 17, 2009 9:15 AM
To: Katerina Capetanos
Cc: Mark Williams
Subject: Mercury Report attached

Please find the Mercury report attached in pdf format.

Tymber Cavasian
Las Gallinas Valley Sanitary District
300 Smith Ranch Road
San Rafael, CA 94903
(415) 472-1734 ext.#21
(415) 499-7715 fax
tcavasian@lgvdsd.org



DISTRICT BOARD

Megan Clark
Russ Greenfield
Larry Loder
Craig K. Murray
Judy Schriebman

DISTRICT ADMINISTRATION

Mark R. Williams,
General Manager
Janice Mandler,
Collection System/Safety Manager
Susan McGuire,
Administrative Services Manager
Matthew Pierce,
Plant Manager

February 17th, 2009

RECEIVED

FEB 18 2009

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue
Oakland, CA 94606

Oakley Water Strategies, Inc.

RE: Mercury Watershed Permit Group Reporting Program

Dear: Monica Oakley

Attached is the Mercury Watershed Permit Group Reporting form for Las Gallinas Valley Sanitary District.

Please call Katerina Capetanos 415-472-1734 x.14 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark R. Williams", is written over a horizontal line.

Mark R. Williams
General Manager

MRW

Enclosures

Cc: Board of Directors, LGVSD
Nute Engineering
Katerina Capetanos, LGVSD

Ray Goebel, EOA
Matt Pierce, LGVSD

Document 1

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: Las Gallinas Valley Sanitary District

Calendar Year Reporting: 2008 Monitoring Station: E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	3.01	0.0120	0.0042
Apr	4/2/08	2.54	0.0140	0.0041
May		0.00	No data	0.0000
Jun		0.00	No data	0.0000
Jul		0.00	No data	0.0000
Aug		0.00	No data	0.0000
Sep		0.00	No data	0.0000
Oct	10/17/08	0.00	0.0220	0.0000
Nov	11/14/08	2.43	0.0200	0.0056
Storage Pond	see note	1.04	0.0220	0.0026
Dec	12/10/08	2.20	0.0150	0.0038
Total Mass (sum)				0.0203
Weighted Annual Mass Emission				0.0292
Average			0.0175	0.0020

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

- Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
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- Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

NOTES

In 2008, the plant discharged to surface water from January 1st thru April 30th and November 1st thru December 31st.

Per NPDES permit, volume remaining in reclamation storage pond is discharged to surface water in November, with the mercury concentration characterized by October plant effluent concentration. Mass is determined based on the average daily storage pond discharge flow times this concentration.

Total Mass (sum) was computed as follows:

Total Mass = \sum Avg monthly mass loads (including non-discharge season) + Storage Pond mass load

Weighted Annual Mass Emission was computed as follows:

Weighted Annual Mass Emission = (\sum March + April + Nov + Dec mass loads) x 6 / 4 + Non-disch season mass (zero) + Storage Pond Mass

Note that only the months with actual discharge were used to account for the Jan and Feb loads (Jan and Feb are also discharge months). This approach is conservative, and provides a more accurate estimate of the "missing" Jan and Feb mass contributions.

Average Mass Load was computed as follows:

Average Mass Load = (\sum Average monthly mass loads / 10) + (Storage Pond Mass load / 10)

Note: this average mass load takes into account the months of zero mass discharge.

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Las Gallinas Valley Sanitary District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were no unusual events that would have affected mercury loading for the calendar year. Flows for March- December of 2008 were lower than normal due to the lack of rain experienced.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

The District continues to administer a fluorescent tube and battery recycling program at a local hardware store and at the treatment plant. The District implemented a mercury thermometer exchange program in 2008.

Public Outreach Efforts - Environmental Quiz was administered to 3246 people at Marin County events with information about recycling fluorescent lamps and CFLs because they contain mercury. Handed out brochures from the EPA and DTSC on items that may contain mercury and how to properly handle their disposal at all public events during 2008.

- b. Projects planned for the near future (include information about expected schedule)

The District is working with other sewer agencies to develop a dental amalgam program.

**Marin County (Paradise Cove),
Sanitary District No. 5 of**

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

RECEIVED

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

FEB 12 2009

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Oakley Water Strategies, Inc.

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Sanitary District No.5 of Marin County

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar		NO DATA	NO DATA	NO DATA
Apr	4/21/08	0.00783	0.0049	0.0000044
May		NO DATA	NO DATA	NO DATA
Jun		NO DATA	NO DATA	NO DATA
Jul		NO DATA	NO DATA	NO DATA
Aug		NO DATA	NO DATA	NO DATA
Sep		NO DATA	NO DATA	NO DATA
Oct		NO DATA	NO DATA	NO DATA
Nov		NO DATA	NO DATA	NO DATA
Dec		NO DATA	NO DATA	NO DATA
Total Mass (sum)				0.0000044
Weighted Annual Mass Emission				0.0000528
Average			0.0049	0.0000044

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Permit only requires the Paradise Cove Treatment Plant to sample once a year.

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Sanitary District No.5 of Marin County

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

none

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Public Education- Through Pollution Prevention Group that includes 6 Marin County Agencies- all POTWS (CMSA, NSD, LGVSD, SD#5, SASM, SMSD) Reference 2008 Pollution Prevention Report for Detailed Explanations

b. Projects planned for the near future (include information about expected schedule)

Dental Amalgam Program. Our service area for the District is all residential. This program may be a regional program in Marin County as part of the Group Public Education Group we are affiliated with. 6 POTWS are affiliated with this group, all from Marin County.

**Marin County (Tiburon), Sanitary
District No. 5 of**

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

RECEIVED

FEB 12 2009

Oakley Water Strategies, Inc.

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Sanitary District No.5 of Marin County

Calendar Year Reporting: 2008 Monitoring Station: EFF-001-S

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/3/08	0.556	0.0036	0.0002311
Apr	4/7/08	0.498	0.0035	0.0002012
May	NO DATA	NO DATA	NO DATA	NO DATA
Jun	6/16/08	0.539	0.0026	0.0001618
Jul	7/1/08	0.614	0.0026	0.0001843
Aug	8/4/08	0.499	0.0045	0.0002592
Sep	9/8/08	0.570	0.0035	0.0002303
Oct	10/6/08	0.569	0.0053	0.0003481
Nov	11/3/08	0.762	0.0041	0.0003607
Dec	12/3/08	0.509	0.0036	0.0002115
Total Mass (sum)				0.002188
Weighted Annual Mass Emission				0.002918
Average			0.0037	0.000243

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

No sample was collected in the month of May. This was due to the fact that the new mercury watershed permit classified us a minor discharger. As a minor discharger you are only required to sample quarterly. Because of this information the district did not sample in May. It was reported to the regional board of this finding and requested clarification of the labeling of our district as a minor discharger. The regional board reviewed the request and on October 1, 2008 submitted a letter to the district informing us to increase monitoring to monthly. File no. 2159.5021(RS) CIWQS Place ID:239497. The explanation given was that the Waste Discharge Requirements for Municipal and Industrial Wastewater Discharges of Mercury To San Francisco Bay, Order No.R2-2007-0077, inadvertently classified the district as a minor discharger. The district began monitoring monthly prior to this letter being sent out in preparation of such actions taking place. A copy of the letter issued by the Regional Board is included for your review if needed.

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Sanitary District No.5 of Marin County

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Public Education- Through Pollution Prevention Group that includes 6 Marin County Agencies- all POTWS (CMSA, NSD, LGVSD, SD#5, SASM, SMSD) Reference 2008 Pollution Prevention Report for Detailed Explanations

b. Projects planned for the near future (include information about expected schedule)

Dental Amalgam Program. Our service area for the District is mainly residential with few small business. There is currently only one dentist in our service area. This program may be a regional program in Marin County as part of the Group Public Education Group we are affiliated with.

Millbrae, City of

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

**Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 2 of 3 - Mercury Data**

Discharger:

City of Millbrae and North Bayside System Unit (NBSU)

Calendar Year Reporting: 2008

Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	6	1.66	0.0063	0.00121
Apr	9	1.52	0.0091	0.00160
May	7	1.51	0.0090	0.00157
Jun	4	1.50	0.0110	0.00190
Jul	9	1.50	0.0052	0.00090
Aug	6	1.45	0.0058	0.00097
Sep	3	1.51	0.0079	0.00138
Oct	8	1.43	0.0082	0.00135
Nov	5	1.59	0.0240	0.00441
Nov	19	1.40	0.0120	0.00194
	Mo. Average			0.00317
Dec	3	1.46	0.0076	0.00128
Total Mass (sum)				0.01533
Weighted Annual Mass Emission				0.01840
Average				0.00181

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

City of Millbrae WWTP

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None that we know of.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

No projects completed or underway.

Dental Amalgam Project research began and staff participated in a national webinar November 18 and a countywide planning session December 8.

- b. Projects planned for the near future (include information about expected schedule)

Anticipate implementing dental amalgam program in stages beginning with voluntary BMPs during fall/winter 2009. Mandatory implementation to include permitting and enforcement, if necessary, to meet 85% participation goal by March 8, 2013. Informational report due to RWQCB no later than June 30, 2012 will be produced and submitted as a regional collaborative effort.

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Place data/information/computations here, or in a separate sheet within this Workbook under a new tab created for that purpose. The mercury was sampled twice in the month of November. The second sample was ran by method 245.1 and was reported as ND. I reported the MDL for this method (0.012 ug/L).

Mt. View Sanitary District

Monica Oakley

From: Dick Bogaert [DBogaert@mvsd.org]
Sent: Friday, February 13, 2009 2:52 PM
To: moakley@oakleywater.com
Cc: Dave Contreras; Michael Roe; Cindy Chen; Irene Chang
Subject: Annual mercury group reporting form
Attachments: Mercury Final sWatershed Grp Reporting Forms, 1-14-09.xls; Mercury Annual group report.pdf

Monica

The Annual Mercury Information Group Reporting Forms from the Mt. View Sanitary District are attached as PDF (signed) and a copy of the spreadsheet.

The District will send the hard copy with signatures on Tuesday, February 17.

Thank you,

Dick Bogaert
Wetlands Biologist/Analyst
Mt. View Sanitary District
925-228-5635 ext. 16

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:


Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Mt. View Sanitary District

Calendar Year Reporting: 2008

Monitoring Station E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)	Q x C
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.		
Jan					
Feb					
Mar	6-Mar-08	1.761	0.012		0.021
	7-Mar-08	1.717	0.00767		0.0132
	25-Mar-08	1.608	0.35		0.56
	26-Mar-08	1.530	0.00867	0.0176	0.0133
Apr	3-Apr-08	1.627	0.0052		0.0085
	4-Apr-08	1.741	0.0056		0.0097
	7-Apr-08	1.65	0.0062		0.0102
	8-Apr-08	1.559	0.0051		0.0080
	9-Apr-08	1.556	0.0061		0.0095
	10-Apr-08	1.541	0.0076		0.0117
	18-Apr-08	1.596	0.0094	0.00120	0.0150
May	8-May-08	1.499	0.0086	0.0015	
Jun	4-Jun-08	1.643	0.0071	0.0013	
Jul	9-Jul-08	1.613	0.0052	0.0010	
Aug	5-Aug-08	1.554	0.0065	0.0012	
Sep	8-Sep-08	1.479	0.018		0.0266
	10-Sep-08	1.398	0.0073		0.0102
	15-Sep-08	1.421	0.0062		0.0088
	18-Sep-08	1.376	0.0063		0.0087
	26-Sep-08	1.345	0.0047		0.0063
	29-Sep-08	1.440	0.0052		0.0075
	30-Sep-08	1.370	0.0048	0.00123	0.0066
Oct	10/1/2008	1.474	0.0045		0.0066
	10/8/2008	1.523	0.0054	0.00086	0.0082
Nov	11/5/08	1.623	0.0059	0.0011	
Dec	12/2/08	1.55	0.011	0.0020	
Total Mass (sum)				0.0289	
Weighted Annual Mass Emission				0.0347	
Average			0.0204	0.0029	

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Mercury loading for March calculated by MVSD (0.0176 kg/mn mercury) is lower than the value calculated by the ERS software (0.0193 kg/mn mercury) by 0.0017 kg/mn.

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Mt. View Sanitary District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

The March 25th result derives from one instantaneous grab sample taken during the peak of a maintenance caused incident. The use of automatic 24-hour flow proportioning sampling equipment would have been more accurate and caused the result to be within permit limits. Since learning that our lab took a single grab sample, we have changed our mercury sampling procedure in accordance with the Mercury Watershed permit effective March 1, 2008, which references sampling guidance from the August 6, 2001 letter. Mt View Sanitary District is now using composite sampling for all mercury monitoring

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Continue practice of requiring new dental offices to install amalgam separators in the MVSD service area.
Continue partnership in the Household Hazardous Waste Collection Facility (HHWCF), which accepts mercury-containing wastes and includes a Mercury Thermometer Exchange Program .
Include an article in MVSD's newsletter on the sunset of the Universal Waste Laws to encourage proper disposal of mercury-containing items.
Continue practice of recycling the mercury-containing lamps used in the UV Disinfection Facility at our treatment plant
Continue to promote use of the HHWCF by MVSD customers
Continue practice of recycling the mercury-containing lamps used in the UV Disinfection Facility

b. Projects planned for the near future (include information about expected schedule)

Revised sampling procedures will be utilized

Napa Sanitation District

Monica Oakley

From: Maglione, Sharleen [SMAGLIONE@napasan.com]
Sent: Friday, February 13, 2009 4:18 PM
To: Monica Oakley
Cc: Healy, Tim; Abramson, Michael
Subject: Mercury Data
Attachments: BACWA Report for Mercury 09-02.pdf

<<BACWA Report for Mercury 09-02.pdf>>

Attached is the Mercury Data for the Napa Sanitation District. The file is a pdf but if you need the xls file let me know. The calculations used were the ones nested in the file we received from you. If you have any questions please give me a call.

Thanks,

Shar Maglione

Plant Manager, Napa Sanitation District

707-258-6020 ext. 601

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: Napa Sanitation District - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/6/08	14.86	0.0036	0.0062
Apr	4/17/08	3.58	0.0046	0.0019
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov	11/6/08	13.15	0.0017	0.0026
Dec	12/11/08	7.08	0.0054	0.0044
Total Mass (sum)				0.0151
Weighted Annual Mass Emission				0.0226
Average			0.0038	0.0038

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Napa Sanitation District

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/6/08	14.86	0.0036	0.0062
Apr	4/17/08	3.58	0.0046	0.0019
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov	11/6/08	13.15	0.0017	0.0026
Dec	12/11/08	7.08	0.0054	0.0044
Total Mass (sum)				0.0151
Weighted Annual Mass Emission				0.0452
Average			0.0038	0.0038

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Napa Sanitation District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

No events show a direct correlation to mercury loading.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

Mercury Thermometer Exchange Program - currently being conducted by Napa Sanitation District. During 2008 approximately 150 mercury-free digital thermometers were distributed by the Napa Sanitation District. As a part of this program, the Napa County Environmental Management reported that 160 pounds of mercury was brought to the Napa-Solano Hazardous Waste Recycling Facility for recycling. This is an increase from last year which totaled 130 pounds of mercury collected. The District continues to participate with the Napa County Environmental Education Group for development of school outreach programs. During this reporting period, the P2SCO conducted 18 treatment facility tours. Estimate of mercury mass reduction is not known. A Dental Mercury Source Control Study & Schedule- currently under development and provisions for this program are currently being updated within districts ordinance.

- b. Projects planned for the near future (include information about expected schedule)

A Dental Mercury Source Control Study & Schedule is currently under development and portions of the scope are scheduled to be implemented within 2009 & 2010.

Novato Sanitary District

Monica Oakley

From: Linda Candelaria [LindaC@novatosan.com]
Sent: Monday, February 02, 2009 1:51 PM
To: 'Monica Oakley'
Subject: Group Reporting Forms
Attachments: Final Hg Watershed Grp Reporting Forms 1-14-09.xls

Hello,

Please give me a call if you have any questions.

Thank you,

Linda Candelaria
Novato Sanitary District
415-892-1694

**Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Post-it® Fax Note	7671	Date	2/2/09	# of pages	1
To	BACWA	From	Linda Candelaria		
Co./Dept.	Oakley Water Strat.	Co.	Novato Sanitary Dist		
Phone #		Phone #	415-892-1694		
Fax #	(510) 663-3601	Fax #	415-898-2279		

Sent via email - COPY of signature page only

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Calendar Year Reporting: Monitoring Station:

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/19/08	3.61	0.0096	0.0040
Apr	4/17/08	4.98	0.0081	0.0047
May	5/14/08	3.61	0.0087	0.0036
Jun			NO DATA	NO DATA
Jul			NO DATA	NO DATA
Aug			NO DATA	NO DATA
Sep			NO DATA	NO DATA
Oct			NO DATA	NO DATA
Nov			NO DATA	NO DATA
Dec	12/8/08	3.54	0.0063	0.0026
Total Mass (sum)				0.0149
Weighted Annual Mass Emission				0.0234
Average				

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Novato Sanitary District does not discharge every day in a calendar month (or not at all). The spreadsheet has been modified so that Q_i is computed on the number of days that discharge occurs (March = 23 days of discharge; April 30 days, May 26 days, December 27 days). Total Mass (sum) value derived by adding the 4 months of data together (March, April, May, December). The Weighted Annual Mass Emission calculated by adding the 4 months of data, plus calculated values for January and February. There was a total of 106 days of discharge for March, April, May, December. Average daily value = 0.00014 kg/day; January value = 0.0044 kg/mo (for 31 days); February value = 0.0041 kg/day (for 29 days). Total January, Feb, March, April, May and December values to get the weighted annual mass emission value.

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

NOVATO SANITARY DISTRICT

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

NONE

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

(1) Automotive Facilities: (A) In November 2008, the District sent a survey to all vehicular service facilities to update records. The survey asked about current practices of the facility, types of waste generated and current disposal practices; survey had questions on floor drains; and required an update of contact information. The surveys are currently being reviewed. (B) For 2009, the District plans to conduct site visits at the car washing facilities. The next steps of the project (e.g. permit, sampling, etc.) would be determined by the number of car washing facilities, and what their current practices entail. (C) Estimate of mercury mass loads that can be avoided through this program cannot yet be determined; further research of current practices needs to be evaluated. **(2)** In December 2008 the District sent out an amalgam survey to the dental facilities in the service area. The survey was to update the dental facility list and to determine current practices completed at dental facilities regarding mercury amalgam. **(3) Collection:** Batteries, e-waste and fluorescent tubes are collected and taken to the Household Hazardous Waste Facility franchised by the District.

b. Projects planned for the near future (include information about expected schedule):

(1) Vehicle Service Facility program: In Nov. 2008 the District updated the vehicle service facility list. This list will be used to implement a vehicular maintenance program. In 2009, the District will decide what would be the most beneficial to the District in regulating the vehicular service maintenance businesses. (2) Dental Program: (A) In December 2008 the District sent out an amalgam survey to the dental facilities in the service area. The survey was to update the dental facility list and to determine current practices completed at dental facilities regarding mercury amalgam. (B) The dental program for the District will be implemented through the Marin County Wastewater Treatment Agencies Public Education Committee (MCWTAPEC); which comprises of Novato SD, Central Marin SA, Las Gallinas VSD, Sanitary District 5, Sewerage Agency of SM, and Marin City Sausalito SD. The efforts of this committee will enable the dental program to be uniformly implemented county-wide, and will also enable agencies to utilize resources from other agencies (e.g. brochures, outreach, etc.). The District will develop and begin implementation of a dental program by 2010.

Palo Alto, City of

Monica Oakley

From: Eggleston, Brad [Brad.Eggleston@CityofPaloAlto.org]
Sent: Friday, February 13, 2009 3:15 PM
To: Monica Oakley
Subject: Palo Alto Mercury Watershed Permit annual report
Attachments: 2008 Palo Alto Hg Annual Report 13Feb09.pdf; 2008 Palo Alto Hg Annual Report 13Feb09.xls

Hi Monica,

Attached please find Palo Alto's annual report, submitted through BACWA Group Reporting Program according to the requirements of the Mercury Watershed Permit. Can you please reply to this email so that I know it's been received?

Thanks,

Brad Eggleston, P.E.
Manager, Environmental Control Programs
City of Palo Alto
650.329.2104 ph
650.494.3531 fax
brad.eggleston@cityofpaloalto.org

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

City of Palo Alto

Calendar Year Reporting:

2008

Monitoring Station:

E001/E002

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/12/08	22.81	0.0026	0.0068
Apr	4/3/08	22.92	0.0035	0.0093
May	5/13/08	22.53	0.0022	
May	5/14/08	22.07	0.0052	
May	5/15/08	21.86	0.0053	
May	5/16/08	21.53	0.0026	0.0097
Jun	6/11/08	21.20	0.0032	0.0078
Jul	7/7/08	20.37	0.0029	0.0068
Aug	8/5/08	19.68	0.0022	0.0050
Sep	9/10/08	20.82	0.0031	0.0075
Oct	10/8/08	20.79	0.0035	0.0084
Nov	11/4/08	22.11	0.0027	0.0069
Dec	12/9/08	21.04	0.0028	0.0068
Total Mass (sum)				0.0750
Weighted Annual Mass Emission				0.0900
Average				0.0075

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

NA

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

City of Palo Alto

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

In 2008, Palo Alto continued implementation of our existing mercury source control projects, which include the mandatory dental amalgam program, mercury thermometer exchange, fluorescent light bulb collection, vehicle service facility program, and mercury switch replacement program. For detailed information regarding mercury source control programs please see Palo Alto's Clean Bay Plan 2009. Palo Alto has recently completed an update to its mercury loading source estimate to account for the results of the dental amalgam program, which required installation of amalgam separators in 2005. The new analysis estimates that the current loading to the sewer from dental offices in the Palo Alto service area is 5.1 pounds per year, with 47.4 pounds per year captured by use of best management practices and amalgam separators. It is estimated that the dental loading would be 16.3 pounds per year if the dental amalgam program had not been implemented. Therefore Palo Alto estimates that 11.2 of the total 47.2 pounds captured or collected by dentists is attributable to the dental amalgam program.

b. Projects planned for the near future (include information about expected schedule)

Continue existing programs

Petaluma, City of

Monica Oakley

From: Orr, Margaret [morr@ci.petaluma.ca.us]
Sent: Friday, February 13, 2009 11:34 AM
To: 'Monica Oakley'
Cc: Ban, Michael; Bahr, Larry; 'Tong Yin'
Subject: Petaluma Annual Mercury Reporting - NPDES Permit No. CA0038849
Attachments: Petaluma Annual Mercury Information Group Report 2 13 2009.pdf

Monica:

The City of Petaluma is pleased to report the annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program. We appreciate your coordination of the group report.

Margaret P. Orr, PE
Engineering Manager
City of Petaluma, CA
707-778-4589

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: City of Petaluma - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/6/08	11.70	0.0052	0.0070
Apr	4/8/08	6.50	0.0100	0.0075
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov				No data
Dec	12/18/08	10.40	0.0040	0.0048
Total Mass (sum)				0.0193
Weighted Annual Mass Emission				0.0322
Average			0.0064	0.0064

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: City of Petaluma Hopper Street WWTP

Calendar Year Reporting: 2008 Monitoring Station: E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/6/08	11.70	0.0052	0.0070
Apr	4/8/08	6.50	0.0100	0.0075
May				No discharge flow
Jun				No discharge flow
Jul				No discharge flow
Aug				No discharge flow
Sep				No discharge flow
Oct				No discharge flow
Nov				No discharge flow
Dec	12/18/08	10.40	0.0040	0.0048
Total Mass (sum)				0.0193
Weighted Annual Mass Emission				0.0193
Average			0.0064	0.0064

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Place data/information/computations here, or in a separate sheet within this Workbook under a new tab created for that purpose. – Annual Mass Emissions calculated based on only three discharge months during the entire reporting period. Therefore, annual mass emissions = average monthly mass emissions multiplied by three.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

City of Petaluma Hopper Street WWTP

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None to report.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Recycled water program reduces mercury emissions by approximately 60%. Mass reduction 0.045 kg/year.

b. Projects planned for the near future (include information about expected schedule)

Dental amalgam program is anticipated to be implemented during Fiscal Year 2009/10.

Pinole, City of

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger: Pinole/Hercules WPCP

NPDES Permit Number(s): CA0037796

Discharger Contact Person: Ron Tobey

Contact Person Phone Number: (510) 724-9849 or 724-8963

Contact Person Email: Rtobey@ci.pinole.ca.us

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") 2008

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Kenneth Coppo

Signature of Responsible Discharger Representative

2-13-09

Date

Kenneth Coppo

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: City of Pinole - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)	
		Enter the effluent flow for only the days when mercury was sampled.		Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan					
Feb					
Mar	03/24/08	3.09	0.016	0.0057	
Apr	04/09/08	3.04	0.0078	0.0027	
May	05/07/08	2.97	0.0088	0.0030	
Jun	06/12/08	2.76	0.027	0.0086	
Jul	07/11/08	2.9	0.0064	0.0021	
Aug	08/27/08	2.84	0.068	0.0223	
Sep	09/03/08	2.81	0.051		0.0165
	09/28/08	3.17	0.0065		0.0024
	Mo Avg			0.0095	
Oct	10/02/08	2.83	0.0025		0.0008
	10/07/08	2.82	0.0022		0.0007
	10/15/08	2.75	0.0022		0.0007
	10/17/08	2.77	0.004		0.0013
	10/20/08	2.84	0.0047		0.0015
Mo Avg				0.0010	
Nov	11/05/08	3.01	0.0059	0.0021	
Dec	12/15/08	3.06	0.0072	0.0025	
Total Mass (sum)				0.0596	
Weighted Annual Mass Emission				0.0715	
Average			0.0147	0.0060	

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Pinole/Hercules WPCP

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.		Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.
Jan				
Feb				
Mar				0.0000
Apr				0.0000
May				0.0000
Jun				0.0000
Jul				0.0000
Aug				0.0000
Sep				0.0000
Oct				0.0000
Nov				0.0000
Dec				0.0000
Total Mass (sum)				
Weighted Annual Mass Emission				
Average				

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Pinole/Hercules WPCP

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

See attached sheet.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

No projects completed. Continued ongoing dental amalgam program. Inspected new offices for BMP's. Contacted all offices to estimate total mercury load from dental offices.

b. Projects planned for the near future (include information about expected schedule)

New mercury thermometer exchange program to start in mid 2009. New fluorescent bulb drop-off station expected to be in use in 2009. Level of reduction unknown at this time.

1. Events that affected mercury loading for calendar year 2008.

The plant experienced an unusually high mercury test result for the month of August 2008. The mercury concentration was measured at 0.068ug/l. This result is significantly higher than any result in the previous three years (0.027ug/l). Six follow up tests were conducted, with all results falling well below the plants discharge limit of 0.066ug/l (0.0065, 0.0025, 0.0022, 0.0022, 0.0040, 0.0047).

An investigation of the cause of this unusually high result found that some outside lab supplied sample bottles appeared to be contaminated. The contracted lab sent a representative to further investigate our findings and found several of the supplied sample bottles had cracked lids and were contaminated; therefore it is suspected that a contaminated sample bottle was the cause of this unusually high result.

Rodeo Sanitary District

Rodeo Sanitary District

The Rodeo Sanitary District did not participate in the BACWA group and therefore BACWA did not receive forms for this agency. However, BACWA computed the Burlingame weighted annual mass emission from Regional Water Board Electronic Reporting System (ERS) data, in order to estimate a total mass emission for all municipal permittees. The calculation for Rodeo is shown on the following page.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: Rodeo Sanitary District - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stat

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	03/05/08	0.738	0.041	0.0035
Apr	04/02/08	0.641	0.0058	0.0004
May	05/07/08	0.613	0.0066	
	05/14/08	0.614	0.0063	
	05/21/08	0.595	0.0043	
	05/28/08	0.649	0.027	
	Mo Avg			0.0008
Jun	06/11/08	0.564	0.0071	0.0005
Jul	07/10/08	0.567	0.006	
	07/16/08	--	J 0.0087	
	Mo Avg			0.0004
Aug	08/06/08	0.54	0.0058	0.0004
Sep	09/04/08	0.556	0.0066	0.0004
Oct	10/08/08	0.519	0.0059	0.0004
Nov	11/06/08	0.508	0.034	0.0020
Dec	12/03/08	0.624	0.032	0.0023
Total Mass (sum)				0.0110
Weighted Annual Mass Emission				0.0132
Average				0.0011

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Saint Helena, City of

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
 c/o Oakley Water Strategies
 (510) 663-3601

Or By Regular Mail:

BACWA
 c/o Oakley Water Strategies
 Mercury Watershed Permit Group Reporting Program
 2100 Lakeshore Avenue, Suite C
 Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

**Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger:

City of St. Helena

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/12/08		0.0071	0.0000
Apr				no data
May				no data
Jun				no data
Jul				no data
Aug				no data
Sep				no data
Oct				no data
Nov				no data
Dec				no data
Total Mass (sum)				0.0000
Weighted Annual Mass Emission				0.0000
Average				0.0000

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

The City did not discharge to the Napa River during the 2008 calendar year. Per Regional Water Board request, the City performs priority pollutant sampling two times per year, whether discharging to surface waters, or not. In 2008, only one of these events was in the March - December timeframe. As there was no flow to the surface water, the "Effluent Flow to Surface Waters" equals 0 mgd.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

City of St Helena

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

None underway currently

b. Projects planned for the near future (include information about expected schedule)

None planned in the near future

**San Francisco, City and County of,
San Francisco International Airport,
Sanitary**

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 4 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

RECEIVED

FEB - 5 2009

Oakley Water Strategies, Inc.

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger: San Francisco International Airport MLTP Sanitary Plant

NPDES Permit Number(s): NPDES:CA0038318, Mercury:CA0038849

Discharger Contact Person: Mark Costanzo

Contact Person Phone Number: (650) 821 7809

Contact Person Email: mark.costanzo@flysfo.com

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") 2008

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

JAN 29 2009

Date

Ernie Eavis, Deputy Airport Director

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: **San Francisco International Airport (Sanitary) - Calculated by BACWA**

Calendar Year Reporting: **2008** Monitoring Station: **EFF-001A**

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	0.59	0.0190	0.0013
Apr	4/1/08	0.57	0.0150	0.0010
May	5/1/08	0.53	0.0078	0.0005
Jun	6/3/08	0.59	0.0033	0.0002
	6/26/08	0.63	0.0023	0.0002
	Mo Avg			0.0002
Jul	7/3/08	0.64	0.0038	0.0003
Aug	8/5/08	0.59	0.0034	0.0002
Sep	9/3/08	0.59	0.0030	0.0002
Oct	10/2/08	0.58	0.0016	0.0001
Nov	11/5/08	0.51	0.0009	0.0001
Dec	12/2/08	0.50	0.0018	0.0001
Total Mass (sum)				0.0039
Weighted Annual Mass Emission				0.0047
Average			0.0056	0.0004

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

**Mercury Information Reporting Form
Part 2 of 4 – Mercury Data**

Discharger: **San Francisco International Airport MLTP Sanitary Plant**

Calendar Year Reporting: **2008** Monitoring Station: **EFF-001A**

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are completed and correct**. If it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd) [EFF-001-SAN]	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan	1/3/08	0.70	0.0056	0.0005
Feb	2/5/08	0.58	0.0071	0.0005
Mar	3/4/08	0.59	0.0190	0.0013
Apr	4/1/08	0.57	0.0150	0.0010
May	5/1/08	0.53	0.0078	0.0005
Jun	6/3/08	0.59	0.0033	0.0002
	6/26/08	0.63	0.0023	
Jul	7/3/08	0.64	0.0038	0.0003
Aug	8/5/08	0.59	0.0034	0.0002
Sep	9/3/08	0.59	0.0030	0.0002
Oct	10/2/08	0.58	0.0016	0.0001
Nov	11/5/08	0.51	0.0009	0.0001
Dec	12/2/08	0.50	0.0018	0.0001
Total				0.0049
Average				0.0004

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering to the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year).
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Place data/information/computations here, or in a separate sheet within this Workbook under a new tab created for that purpose.

For Month of June, 2008

Sample Date	Eff Flow Rate on Sampling Date (Q)	Concentration (C)	No. of Sample for Month (N)	Avg Monthly Mass Load (kg/mo)
6/3/08	0.59	0.0033	2	0.0002
6/26/08	0.63	0.0023		

**Mercury Information Reporting Form
Part 3 of 4 – Source Control Information**

Discharger:

San Francisco International Airport M.L.T.P. Sanitary Plant

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

[Empty shaded box for discussion of events affecting mercury loading]

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

[Empty shaded box for projects completed or underway during the reporting year]

- b. Projects planned for the near future (include information about expected schedule)

[Empty shaded box for projects planned for the near future]

**San Francisco (Southeast Plant),
City and County of**

Monica Oakley

From: ANavarret@aol.com
Sent: Friday, February 13, 2009 11:02 AM
To: moakley@oakleywater.com
Cc: anavarret@sflower.org
Subject: Southeast Hg Data 2008
Attachments: SFPUC_SEP_2008Hg Annual Data Submittal.xls; SFPUC_SEP_2008Hg Data_Signature Page.pdf

Hi Monica,

Attached you will find for the San Francisco Public Utilities Commission Southeast Wastewater Treatment Plant:

1. Completed Mercury Reporting Sheets with Facility Information, 2008 Mercury Effluent Data and Pollution Prevention Activities, and
2. A .pdf file with my signature as the person responsible for coordinating the compilation of the effluent data and P2 data.

Please provide me with an email receipt for this information. Please contact Rod Miller as noted for questions regarding effluent data. Please contact me directly if there are any other questions regarding this submittal.

Thank you very much,
Arleen

Arleen Navarret, Regulatory Manager
San Francisco Public Utilities Commission
Wastewater Enterprise

Nothing says I love you like flowers! [Find a florist near you now.](#)

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: City and County of San Francisco, Southeast WW Treatment Plant

Calendar Year Reporting: 2008 Monitoring Station: E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	62.50	0.0102	0.0736
Apr	4/22/08	76.50	0.0086	0.0759
May	5/6/08	58.60	0.0108	0.0731
Jun	6/27/08	56.80	0.0072	0.0472
Jul	7/10/08	56.50	0.0036	0.0235
Aug	8/5/08	57.10	0.0073	0.0481
Sep	9/9/08	61.00	0.0044	0.0310
Oct	10/7/08	54.00	0.0027	0.0168
Nov	11/6/08	58.50	0.0019	0.0128
Dec	12/9/08	55.60	0.0030	0.0193
Total Mass (sum)				0.4213
Weighted Annual Mass Emission				0.5056
Average				0.0421

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

City and County of San Francisco, Southeast WW Treatment Plant

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

1. Dental Mercury Reduction Program - Launched in San Francisco in 2003, the program requires all dental offices to apply for a Dental Wastewater Discharge Permit, follow the required BMPs, and install an amalgam separator in their office. The San Francisco Public Utilities Commission (SFPUC) Pollution Prevention inspectors continue to conduct inspections at all dental offices, including new dental offices.

Implementation: Program includes ongoing inspections and penalties, if necessary. Dental offices are inspected every five years after the initial inspection and permitting.

2. Fluorescent Light Tube Recycling Program - San Francisco continues to collect and recycle fluorescent lights/bulbs from municipal buildings/facilities (since 2000), from San Francisco residents (since 2002) and businesses (since 1992).

Implementation: These programs continue to be implemented throughout the year, as needed.

Estimates of load: For the calendar year 2008, there were 21,844 fluorescent lights and 207,678 feet of fluorescent tubes collected from San Francisco municipal buildings. There are no data available for numbers of fluorescent lights/bulbs collected from the residential or commercial sectors.

3. Mercury Thermometer Recovery Program - This program, which began in 1999, encourages residents and businesses to bring in their mercury-containing thermometers to be properly disposed. There are three permanent sites where San Francisco residents can exchange their mercury containing fever thermometers for a new, digital thermometer. From May-July 2008, San Francisco participated in a Bay Area Pollution Prevention Group (BAPPG) coordinated event to collect mercury thermometers and other devices containing mercury.

Implementation: These programs continue to be implemented throughout the year as needed.

Estimates of load: For the BAPPG-coordinated event (between May and July 2008), San Francisco collected a total of 44 thermometers. There are no data available for the ongoing collection of thermometers in San Francisco at this time.

b. Projects planned for the near future (include information about expected schedule):

1. Mercury Thermostat Reduction Program - The SFPUC and the San Francisco Department of Environment (SFE) are planning to work together with Thermostat Recycling Corporation to set up a collection and recycling program for mercury thermostats. As required by California law starting July 1, 2009, mercury thermostat manufacturers (or their representatives like Thermostat Recycling Corporation) will be required to work with government agencies, such as San Francisco, to implement such a program. The program will include establishing collection sites, pick up and proper disposal of mercury thermostats and outreach to targeted audience.

Implementation- Planning to start program in FY 09-2010.

Estimates of load: The program will include load estimates by tracking numbers of mercury thermostats collected and the number of collection sites.

2. Mercury Sources in Hospitals - SFPUC and SFE are planning to work together to provide training to San Francisco hospitals to encourage hospitals to remove any mercury sources and dispose of them properly. SFPUC is planning to coordinate efforts with assistance from the Department of Toxic Substances Control (DTSC) HELP (Mercury Elimination Leadership Program), which can provide training materials and trainers, as well as awards for hospitals that have removed all mercury sources.

Implementation - Planning to start program in FY 09-2010.

Estimates of load: The program will include load estimates by tracking numbers of hospitals participating and (if possible) numbers of mercury sources collected from the hospitals.

3. Outreach to Schools (regarding mercury sources) - The San Francisco Unified School District (SFUSD) is in the process of implementing a pilot project, the San Francisco Green Schools Project to help "green" San Francisco schools. SFPUC, SFE and San Francisco Department of Public Works (DPW) are planning to work together to provide input into the new program. For example, SFPUC will encourage schools to replace their mercury sources and dispose of them properly.

Implementation- SFUSD has already begun a San Francisco Green Schools pilot program. SFPUC, SFE and DPW will provide their input into program by end of FY 2008-2009.

Estimates of load: The program will include load estimates by tracking numbers of schools participating and (if possible) numbers of mercury sources collected from the schools.

San Jose/Santa Clara, Cities of

Monica Oakley

From: Schafer, Peter [Peter.Schafer@sanjoseca.gov]
Sent: Monday, February 09, 2009 11:05 AM
To: moakley@oakleywater.com
Cc: Ervin, James
Subject: BACWA Hg Reporting
Attachments: Final Hg Watershed Grp Reporting Forms-CSJ.xls; CSJ Signature Page - BACWA Mercury Reporting.pdf

Monica,

Attached is a completed BACWA Hg reporting form for the City of San Jose (San Jose/Santa Clara Water Pollution Control Plant).

I scanned the signature page separately but also opted to send the EXCEL file so that you could see our equations behind the numbers.

Please let me know that you received this ok and that there are no problems with the way we have reported our mercury results and P2 information.

Thanks.

Pete

Peter M. Schafer

Technical Support Services

Environmental Services Department

700 Los Esteros Road

San Jose, CA 95134

(408) 945-5399

(408) 946-2039 (fax)

<<Final Hg Watershed Grp Reporting Forms-CSJ.xls>> <<CSJ Signature Page - BACWA Mercury Reporting.pdf>>

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program

Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

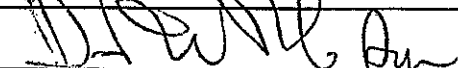
Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

San Jose/Santa Clara Water Pollution Control Plant

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	116.8	0.00237	See monthly mean below
Mar	3/25/08	111.9	0.00196	0.0286
Apr	4/3/08	106.0	0.00165	0.0202
May	5/5/08	101.4	0.00213	0.0249
Jun	6/3/08	97.3	0.00219	0.0246
Jul	7/2/08	95.2	0.00200	0.0220
Aug	8/5/08	91.7	0.00174	0.0184
Sep	9/3/08	88.7	0.00208	0.0213
Oct	10/7/08	94.9	0.00307	0.0336
Nov	11/4/08	102.3	0.00177	0.0209
Dec	12/3/08	94.7	0.00191	0.0209
Total Mass (sum)				0.2355
Weighted Annual Mass Emission				0.2826
Average			0.00207	0.0235

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data: None

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

San Jose/Santa Clara Water Pollution Control Plant

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

We experienced no major events affecting mercury loading during 2008.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:
- b. Projects planned for the near future (include information about expected schedule):
See the following two pages for current (a) and future (b) project descriptions.

a. Projects completed or underway during the reporting year:

Thermometer Exchange Events

The City hosted 16 events during 2008 where residents could exchange their mercury containing thermometers for a free digital thermometer. A total of 775 mercury thermometers (approximately 387.5 grams of mercury) were collected. See 2008 Annual Pollution Prevention Report for additional details.

Dental Mercury Amalgam Program

During 2008, the Dental Mercury Amalgam Program concentrated on gathering stakeholder input. Progress continues to be made toward implementation of a dental mercury amalgam program. During 2008, the program concentrated on gathering stakeholder input to inform program design and implementation. A Stakeholder Input Meeting was held on August 29, 2008 at City Hall for all dentists within the tributary area. Staff gave a presentation on the proposed program to more than 50 dentists, and then invited questions and discussion. Additionally, staff met twice with the Santa Clara County Dental Society Board of Directors to discuss the proposed program, and presented the program at one of the Society's monthly dinner meetings attended by over 150 area dentists.

Household Hazardous Waste Program

The City supports the Santa Clara Countywide household hazardous waste residential drop off program that collected 1,295 pounds of various mercury-containing products, 123,452 pounds of fluorescent lights, and 100,100 pounds of batteries during FY 07-08. The Countywide program also accepted hazardous wastes from 568 small businesses during the same period.

Municipal Fluorescent Lamp and Battery Recycling

The City recycled approximately 58,299 feet of fluorescent lights from municipal operations during FY07-08 and continues to replace expired lamps with low mercury fluorescents as needed. Battery recycling is implemented at all City facilities providing convenient locations for employees to disposed on spent batteries. In 2008, approximately 7,000 pound of alkaline, lithium, and rechargeable batteries were recycled.

Public Education Activities with Mercury Pollution Message

The City participated in various outreach events in 2008 and regularly incorporated the mercury pollution prevention message. Below are examples of outreach activities conducted:

- In partnership with PG&E, the City distributed 2,420 compact fluorescent light bulbs to residents along with information on locations where the expired CFLs can be safely disposed of for free.
- The City's monthly new employee orientation includes a segment on UWaste and proper disposal of batteries.
- The City hosted six Pollution Prevention Week events at which mercury pollution prevention messages were promoted. The City distributed the "Get Mercury Wise and Protect the Bay" information sheet which briefly explains concerns related to mercury in the Bay and gives instructions on what individuals can do to prevent mercury pollution.

Support Mercury Thermostat Legislation

The City issued a support letter for Assembly Bill 2347, legislation mandating take-back of mercury added thermostats. The bill passed the Assembly and Senate and was signed into law by the Governor in 2008. This legislation provides consumers safe, free and convenient options for recycling their waste thermostats.

b. Projects planned for the near future (include information about expected schedule):

Thermometer Exchange Events

Monthly events are scheduled to take place at senior centers, community centers and libraries. At these events, attendees will be informed regarding proper disposal of mercury containing products through the County Household Hazardous Waste (HHW) Program and in-store drop off locations. Staff will evaluate the feasibility of establishing permanent location(s) for an ongoing mercury fever thermometer exchanges at pharmacies and/or retail outlets. This evaluation will be completed by December 2009.

Dental Mercury Amalgam Program

Approval of an ordinance amending the San José Municipal Code to regulate dental practices under a Dental Wastewater Permit and require the installation of amalgam separators and implementation of Best Management Practices is scheduled for the February 24, 2009 City of San José Council meeting. If the ordinance is approved, the program is scheduled to be implemented as follows:

Application packet sent to San José dentists 7/1/09
San José Dental Permits Issued 9/1/09
BMPs certification due 12/1/09
Proof of installation for San José practices 3/1/10
Application packet sent to Tributary Area dentists 1/1/10
Tributary Area Dental Permits Issued 4/1/10
BMPs certification due 7/1/10
Proof of installation due for Tributary Area 10/1/10

Household Hazardous Waste Program

The City will continue efforts to relocate an HHW drop-off site to a centralized permanent location in San José. A Request for Proposals for construction services is expected to be released for competitive bids in early 2009 with a facility grand opening for public services anticipated for Fall 2009. Mobile collection events will continue to be scheduled in 2009.

Municipal Fluorescent Lamp and Battery Recycling

The City will continue to replace lamps with low mercury fluorescents, as needed, in all municipal facilities. The Recycle@Work Program will continue to maintain battery collection at municipal offices. The monthly orientation for new employees will continue to include a segment on universal waste and proper disposal of batteries.

Public Education Activities with Mercury Pollution Message

- Host public outreach events in connection with National Pollution Prevention Week, starting September 21, 2009. Messages will include mercury pollution prevention and safe disposal of household hazardous wastes.
- Pollution Prevention staff will promote the mercury pollution prevention messages at various community outreach events throughout the year.

San Mateo, City of

Monica Oakley

From: SStClair@cityofsanmateo.org
Sent: Wednesday, February 11, 2009 3:43 PM
To: moakley@oakleywater.com
Subject: City of San Mateo 2008 Annual Hg Report
Attachments: City of San Mateo 2008 Annual Hg Report 2-11-09.pdf; City of San Mateo 2008 Annual Hg Report 2-11-09.xls

Hi Monica,

I've attached a PDF of our mercury annual report, as well as the excel file in case you need to manipulate / compile the data. We didn't have any additional comments, so you're welcome to delete that page from the PDF if necessary. FYI, I copied/pasted data over the formulas, but I can re-create those if you need to verify calculations.

If you see anything lacking or unusual, please don't hesitate to let me know & I'll fix it ASAP. Also, please let me know if you need the original signed hard-copy report, or if we should just keep it for our files.

Thanks! :)
Shelli

Shelli St.Clair
Laboratory Supervisor
City of San Mateo/WWTP
[650] 522-7388
sstclair@cityofsanmateo.org

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

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c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:


Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: City of San Mateo

Calendar Year Reporting: 2008 Monitoring Station: EFF-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	03/06/08	12.46	0.0110	0.0189
Mar	03/27/08	11.91	0.0160	
Apr	04/01/08	11.70	0.0180	0.0243
May	05/08/08	11.78	0.0120	0.0163
Jun	06/05/08	11.44	0.0065	0.0086
Jul	07/10/08	11.09	0.0058	0.0074
Aug	08/14/08	11.47	0.0069	0.0091
Sep	09/10/08	11.90	0.0059	0.0081
Oct	10/02/08	11.84	0.0052	0.0071
Nov	11/06/08	12.46	0.0057	0.0082
Dec	12/11/08	11.87	0.0070	0.0096
Total Mass (sum)				0.118
Weighted Annual Mass Emission				0.141
Average				0.0118

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA Instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

CITY OF SAN MATEO

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

The annual median and average concentrations were slightly higher than the previous year, the result of spikes recorded in March and April, 2008. The cause of the spikes is not known.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

The City completed a dental office P2 consultation project that began in 2005. The consultant conducted on-site visits to survey equipment in use and employment of BMPs. The data were used to develop a mass loading estimate for dental mercury, as well as a headworks loading estimate from all sources. The City also recycles all mercury containing lamps and replaces thermostats and other mercurizing containing devices as opportunities arise. See the P2 Annual Report for more information.

b. Projects planned for the near future (include information about expected schedule)

The City will be participating in coordinated county-wide educational outreach to the dental community. The initial meeting among POTW representatives (initiated by SBSA) was held in December 2008; the next meeting is scheduled for April 2009. In February and March 2009, the City will be updating its list of dental offices for the outreach effort. The coordinated outreach effort may include a newsletter to dentists and an annual presentation to the dental society, timeframe TBD.

Sausalito-Marín City Sanitary District

Monica Oakley

From: Omar Arias [omar@smcsd.net]
Sent: Wednesday, February 18, 2009 7:53 AM
To: 'Monica Oakley'
Subject: RE: Mercury Group Reporting
Attachments: Final Hg Watershed Grp Reporting Forms 1-14-09.xls

Hi Monica. I was and then... we were on the news so I let that slip by. Sorry about that.
Here's our report.
Omar

-----Original Message-----

From: Monica Oakley [mailto:moakley@oakleywater.com]
Sent: Tuesday, February 17, 2009 8:15 PM
To: omar@smcsd.net
Subject: Mercury Group Reporting

Hi Omar,

Were you planning to submit mercury forms for the BACWA group reporting? Just wondering (they were due today). It would be great if you could let me know. Thanks.

Monica Oakley
Oakley Water Strategies
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606
(510) 663-3600 office
(510) 663-3601 fax
moakley@oakleywater.com

The information in this e-mail is intended for the personal and confidential use of the recipient(s) named above. This message may be a confidential attorney-client communication and/or work product and as such is privileged and confidential.

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger: SAUSALITO - MARIN CITY SANITARY DISTRICT

NPDES Permit Number(s): CA0038067

Discharger Contact Person: Omar Arias-Montez

Contact Person Phone Number: 415-331-4716

Contact Person Email: omar@smcsd.net

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") 2008

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Robert A. Simmons
Signature of Responsible Discharger Representative

2/19/09
Date

Robert A. Simmons General Manager
Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Sausalito - Marin City Sanitary District

Calendar Year Reporting:

2008

Monitoring Station:

M-001

Use separate Part 2 sheets for multiple monitoring stations



A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	1.41	0.0220	0.0036
Apr	4/2/08	1.27	0.0290	0.0043
May	5/12/08	1.24	0.0270	0.0039
May	5/24/08	1.28	0.0100	0.0015
May	5/25/08	1.28	0.0100	0.0015
May	5/26/08	1.38	0.0180	0.0029
May	5/27/08	1.26	0.0190	0.0028
May	5/28/08	1.25	0.0160	0.0023
May	5/29/08	1.27	0.0180	0.0026
Jun	6/9/08	1.30	0.0180	0.0027
Jul	7/2/08	1.50	0.0076	0.0013
Aug	8/3/08	1.39	0.0087	0.0014
Sep	9/2/08	1.31	0.0098	0.0015
Oct	10/1/08	1.29	0.0120	0.0018
Nov	11/10/08	1.30	0.0089	0.0013
Dec	12/2/08	1.26	0.0110	0.0016
Total Mass (sum)				0.0219
Weighted Annual Mass Emission				0.0263
Average			0.0153	0.0022

0.0025

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Sausalito - Marin City Sanitary District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were no unusual events that would have affected mercury loading for the calendar year. Flows for March- December of 2008 were lower than normal due to the lack of rain experienced.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

A) Battery Recycling - (1-2) Recycled all batteries used at facility and by employees during the year (3) no quantifiable estimate of mercury mass loading avoided
B) Spent fluorescent lamp recycling (1-2) Recycled all fluorescent lamps used at the facility during the year.
C) Public Outreach Efforts - 1) Environmental Quiz was administered to 3246 people at Marin County events with information about recycling fluorescent lamps and CFLs because they contain mercury 2) Handed out brochures from the EPA and DTSC on items that may contain mercury and how to properly handle their disposal at all public events during 2008

b. Projects planned for the near future (include information about expected schedule)

A) All program elements included in (a.) above will be continued and we will work to more carefully quantitate the amount of mercury mass loading that was avoided
B) Dental Amalgam Program - Conducted a survey of all dentist in service area and determined that mercury amalgam is no longer used in their offices. Will follow up on trap type and disposal procedures

C) Continue to develop county wide implementation for dental amalgam program based on level of interest for individual agencies

D) Have a county wide publicized event for mercury collection for bulk mercury and mercury containing devices at the two current household and small business hazardous waste collection facilities in Marin County

Sewerage Agency of Southern Marin

Monica Oakley

From: Stephen Danehy [sdanehy@cityofmillvalley.org]
Sent: Friday, February 13, 2009 3:22 PM
To: moakley@oakleywater.com
Cc: Liz Falejczyk
Subject: Final Mercury Reporting Forms for the Sewerage Agency of Southern Marin
Attachments: Final Hg Watershed Grp Reporting Forms 1-14-09 (2).xls

Attached please find the referenced forms.

<<Final Hg Watershed Grp Reporting Forms 1-14-09 (2).xls>>

Please let us know if there are any problems with this information or if you need any additional information from us. Thank you for your assistance preparing this annual report.

Steve

Stephen J. Danehy

General Manager

Sewerage Agency of Southern Marin

415-388-2402-16

(sdanehy@cityofmillvalley.org)

Please consider the environment before printing this e-mail

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

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c/o Oakley Water Strategies
(510) 663-3601

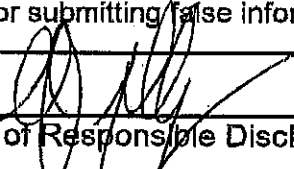
Or By Regular Mail:

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c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

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Name of Discharger: NPDES Permit Number(s): Discharger Contact Person: Contact Person Phone Number: Contact Person Email: Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") **Certification:**

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Calendar Year Reporting: Monitoring Station:

Use separate Part 2 sheets for multiple monitoring stations

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		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/19/08	1.94	0.0190	
	3/21/09	2.14	0.0180	0.0044
Apr	4/3/08	2.28	0.0280	0.0074
May	5/7/08	2.16	0.0170	0.0042
Jun	6/3/08	2.22	0.0120	0.0031
Jul	7/18/08	2.02	0.0130	0.0030
Aug	8/8/08	1.90	0.0150	0.0033
Sep	9/4/08	1.98	0.0140	0.0032
Oct	10/2/08	2.01	0.0220	0.0051
Nov	11/10/08	2.47	0.0210	0.0060
Dec	12/3/08	1.92	0.0160	0.0035
Total Mass (sum)				0.0432
Weighted Annual Mass Emission				0.0518
Average			0.0176	0.0043

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

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Comments on data:

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3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Sewerage Agency of Southern Marin

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were no unusual events that would have affected mercury loading for the calendar year. Flows for March- December of 2008 were lower than normal due to the lack of rain experienced.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

A) Battery Recycling – Staff continues to collect household batteries from six collection sites around the City and used at the SASM Facilities. Total amount of batteries collected and recycled equaled 5,050 pounds or 2.52 tons.

B) Spent fluorescent lamp recycling – Recycled all fluorescent lamps used at SASM facilities during the year. In addition, SASM continues to support a local bulb recycling program. SASM collects used bulbs monthly from Goodman's Lumber in Mill Valley and transports the bulbs to the recycling center. In the past 12 months, SASM recycled 1,834 feet of fluorescent bulbs with an estimated mass loading avoided of 18.3 grams of mercury.

C) Public Outreach Efforts – 1) Environmental Quiz was administered to 3246 people at Marin County events with information about recycling fluorescent lamps and CFLs because they contain mercury 2) Handed out brochures from the EPA and DTSC on items that may contain mercury and how to properly handle their disposal at all public events during 2008

b. Projects planned for the near future (include information about expected schedule)

A) All program elements included above (2a) will be continued and we will work to more carefully quantitate the amount of mercury mass loading that was avoided.

B) Dental Amalgam Program – We will be developing a dental amalgam program that requires dental offices to install amalgam separators and incorporate that program into the SASM Sewer Use Ordinance.

C) Continue to participate in the development of a county wide implementation for dental amalgam program based on level of interest for individual agencies.

D) Participate in a county wide publicized event for mercury collection for bulk mercury and mercury containing devices at the two current household and small business hazardous waste collection facilities in Marin County.

**Sonoma Valley County Sanitary
District**

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Sonoma Valley County Sanitation District - Calculated by BACWA

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date	Effluent Flow to Surface Waters (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/3/08	3.33	0.002010	0.0008
	3/10/08	4.06	0.002070	0.0010
	3/17/08	4.12	0.002360	0.0011
	3/24/08	3.14	0.002300	0.0008
	3/31/08	2.15	0.001840	0.0005
	Mo Avg			0.0008
Apr		Irrigation with recycled water		No data
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov	11/3/08	2.59	0.002530	0.0008
	11/10/08	3.22	0.001920	0.0007
	11/17/08	2.20	0.001890	0.0005
	11/24/08	2.62	0.001300	0.0004
	Mo Avg			0.0006
Dec	12/2/08	2.54	0.001570	0.0005
	12/8/08	2.35	0.001800	0.0000
	12/15/08	2.55	0.001890	0.0000
	12/21/08	3.70	0.001530	0.0000
	12/29/08	2.51	0.001230	0.0000
	Mo Avg			0.0001
Total Mass (sum)				0.0015
Weighted Annual Mass Emission				0.0025
Average			0.0019	0.0005

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form

Part 2 of 3 - Mercury Data

Discharger:

Sonoma Valley County Sanitation District

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/3/08	3.33	0.002010	0.0008
	3/10/08	4.06	0.002070	0.0010
	3/17/08	4.12	0.002360	0.0011
	3/24/08	3.14	0.002300	0.0008
	3/31/08	2.15	0.001840	0.0005
				0.0008
Apr	Irrigation of Recycled Water			No Data
May	Irrigation of Recycled Water			No Data
Jun	Irrigation of Recycled Water			No Data
Jul	Irrigation of Recycled Water			No Data
Aug	Irrigation of Recycled Water			No Data
Sep	Irrigation of Recycled Water			No Data
Oct	Irrigation of Recycled Water			No Data
Nov	11/3/08	2.59	0.002530	0.0008
	11/10/08	3.22	0.001920	0.0007
	11/17/08	2.20	0.001890	0.0005
	11/24/08	2.62	0.001300	0.0004
				0.0006
Dec	12/2/08	2.54	0.001570	0.0005
Dec	12/8/08	2.35	0.001800	0.0005
Dec	12/15/08	2.55	0.001890	0.0006
Dec	12/21/08	3.70	0.001530	0.0007
Dec	12/29/08	2.51	0.001230	0.0004
Dec				0.0005
Total Mass (sum)				0.0019
Weighted Annual Mass Emission				0.0023
Average				

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Sonoma Valley County Sanitation District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

During the 2008 reporting period, the District continued monitoring all industrial users as well as domestic background sources for Hg. As a member agency of the Russian River Watershed Association, the District's operator the Sonoma County Water Agency, has helped to fund several Hg outreach activities that directly benefit the District's service area. These activities include: Outreach to the local Redwood Empire Dental Association, outreach to the public through the RRWA website which provides information on proper disposal of CFL's, dental amalgam BMP's and general information on the environmental impacts of mercury. In addition, the District participated in the North Bay Watershed Association's Mercury Program.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Continued to outline dental amalgam program components, implementation schedules and methods to evaluate program effectiveness.

b. Projects planned for the near future (include information about expected schedule):

As required under Order No. R2-2007-0077, the District will implement a dental amalgam program. The program elements and schedule are as follows:

Over a 6-12 month period (March 2009-March 2010) the District will develop and implement the dental amalgam program. Program components shall include:

- Sampling of INF, EFF and Biosolids will be evaluated before and after implementation of the program
- Evaluation of the significance of dental mercury in the service area.
- Update and maintain a list of dental offices in the service area
- Conduct dental office inspections
- Develop and distribute BMP materials
- Require implementation of the BMP's
- Establish a tracking system to estimate the current level of amalgam collection
- Maintain a list of approved amalgam separators
- Provide assistance/guidance to dentists as necessary
- Consider an Ordinance revision to require dental amalgam separators

Over the following 12-18 month period (March 2010 - Sept 2011) the District will evaluate the program effectiveness and make adjustments as necessary.

- The District will conduct follow-up audits of dental offices to track BMP implementation
- Sampling of INF, EFF, Biosolids and other sources will be performed
- Tracking the amount of amalgam collected/recycled will continue to be monitored
- Overall program effectiveness will be evaluated and adjusted as necessary to achieve compliance with Order No. R2-2007-0077

The District has approximately 21 dental offices located in the service area. Implementation of an amalgam separator requirement could avoid an estimated 1.5 gm/month Hg discharge per dental office for a total of 31 gm/month. This estimate is based on the following:

Based on studies by other agencies, the average mass of Hg contribution from dental offices is approximately 1.7 gm/mth. Use of an amalgam separator can take out approx. 1.5 gm/mth. (21 dental offices) (1.5 gm/mth) is approx. 31 gm/month.

The District will also participate with BACWA in the dental amalgam program.

South Bayside System Authority

Monica Oakley

From: Ken Kaufman [KKaufman@sbsa.org]
Sent: Wednesday, February 11, 2009 2:04 PM
To: Monica Oakley
Cc: Maya Slocum; Norman Domingo
Subject: SBSA Annual Group Hg Info
Attachments: SBSA Annual Group Hg Info.pdf

Monica

Here is the annual mercury submittal for SBSA. Thanks for taking care of this.

Would you please reply to confirm that you received this.

Ken

Ken Kaufman
South Bayside System Authority
(650) 832-6228 www.sbsa.org

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person: alt.

Contact Person Phone Number: alt.

Contact Person Email: alt.

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger: South Bayside System Authority

Calendar Year Reporting: 2008 Monitoring Station: EFF-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	17.29	0.0110	0.0220
Apr	4/7/08	16.06	0.0088	0.0163
May	5/1/08	14.28	0.0081	0.0134
Jun	6/2/08	13.31	0.0090	0.0138
Jul	7/15/08	14.91	0.0075	0.0129
Aug	8/7/08	13.58	0.0093	0.0146
Sep	9/10/08	14.98	0.0064	0.0111
Oct	10/1/08	14.91	0.0110	0.0189
Nov	11/4/08	16.12	0.0078	0.0145
Dec	12/2/08	14.69	0.0070	0.0119
Total Mass (sum)				0.1493
Weighted Annual Mass Emission				0.1792
Average			0.0086	0.0149

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

South Bayside System Authority

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Completed projects:

-Hiring a Pollution Prevention (P2) Specialist to oversee Mercury Reduction efforts,
-Hiring a a consultant well-acquainted with mercury issues to advise the new P2 person.
Mercury loading reductions expected when the Dental amalgam reduction program is begun (detailed below).

-Participated in Thermometer Exchange: small numbers collected due to staff shortage.

b. Projects planned for the near future (include information about expected schedule)

Dental Amalgam Reduction Program: approx. 250 dentists are in our serv. area
(1&2) Identify dentists in our area; attend Dental Amalg Sep training (Jan 09)- Complete
Contact dental societies (Mar 09), Survey dentists (Apr 09), Field training (May 09),
Dental BMP Fact sheet revision (Jun 09), Office inspections/consultations (beginning Jul
2009, ending in Jul 2012).

(3) Targeting: 32% (80) dentists- yr 1, 44% (110) dentists - yr 2, 24% (60) dentists - yr 3
EST. Hg Mass Reduction YEAR 1: 50% of loading from dentists x 32% dentists x 85% effic.
= approximately 13% reduction

**South San Francisco and San Bruno,
Cities of**

**Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

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Mercury Watershed Permit Group Reporting Program
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Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

South San Francisco-San Bruno Water Quality Control Plant

Calendar Year Reporting:

2008

Monitoring Station:

E001 of EFF-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	9.27	0.0076	0.0081
Apr	4/2/08	9.01	0.0066	0.0069
May	5/6/08	9.04	0.0073	0.0076
Jun	6/3/08	8.95	0.0050	0.0052
Jul	7/8/08	9.28	0.0059	0.0063
Aug	8/4/08	9.27	0.0075	0.0080
Sep	9/3/08	7.99	0.0040	0.0037
Oct	10/1/08	8.17	0.0180	0.0170
Nov	11/4/08	8.63	0.0084	0.0084
Dec	12/2/08	8.18	0.0075	0.0071
Total Mass (sum)				0.0782
Weighted Annual Mass Emission				0.0939
Average			0.0078	0.0078

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

South San Francisco-San Bruno Water Quality Control Plant

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

1. Dental Inspection Program-All dentists in the service area were inspected by the end of 2008. The City of South San Francisco has implemented a voluntary amalgam separator program. At this time we do not have estimates of the mercury mass load that can be avoided. 2. Thermometer exchange program was conducted for a month from Sept. 15 to Oct. 15. A total of 33 thermometers were collected. An estimate of 16.5 grams of mercury was collected. 3. Fluorescent light bulb recycling was conducted in the City of South San Francisco. We recycled 961 fluorescent light bulbs with an estimate of 7.21 grams of mercury.

b. Projects planned for the near future (include information about expected schedule)

South San Francisco will continue the dental inspection program and has initiated a voluntary amalgam separator program. We will survey all dental facilities by the end of the year to determine which facilities have installed amalgam separators. We will continue to have a thermometer exchange within the City. We will continue the fluorescent light bulb recycling program. We will provide outreach to businesses and medical facilities

Sunnyvale, City of

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger:

City of Sunnyvale

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	11.47	0.0024	0.0031
Apr	4/2/08	13.44	0.0094	0.0146
May	5/9/08	13.17	0.0074	--
May	5/30/08	5.72	0.0101	0.0090
Jun	6/5/08	6.40	0.0035	0.0026
Jul	7/10/08	4.39	0.0031	0.0016
Aug	8/5/08	11.59	0.0029	0.0039
Sep	9/3/08	8.23	0.0030	--
Sep	9/18/08	9.29	0.0032	0.0031
Oct	10/9/08	16.12	0.0040	0.0074
Nov	11/6/08	7.38	0.0034	0.0029
Dec	12/11/08	14.93	0.0028	0.0048
Total Mass (sum)				0.0530
Weighted Annual Mass Emission				0.0636
Average			0.0046	0.0053

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Average monthly loads shown for May and September reflect multiple samples for those months, and were calculated in a manner consistent with Watershed Permit.

**Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information**

Discharger:

Calendar Year Reporting:

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

- 1) The City's Public Outreach program for mercury includes information on pollution prevention, the risks associated with mercury exposure, ways to avoid mercury contamination, proper disposal of mercury products as household hazardous waste, and sources for additional information. The following forms of media were used to deliver mercury P2 messages:
 - KSUN Community Cable: Two mercury ads aired in 2008. Both ads ran in September, one announced the upcoming Thermometer Exchange event, and the other, a new mercury ad describing safe disposal of fluorescents aired during Pollution Prevention Week.
 - The Sun: Two mercury ads ran in 2008. The first ad published was for the Mercury Thermometer Exchange event (Celebrate Pollution Prevention Week – Mercury Fever Thermometer Exchange) and the second described safe disposal (Watch out for mercury pollution!).
 - Sunnyvale Press Release (Sunnyvale Hosts Mercury Thermometer Exchange)
 - Theater Billboard: An ad related to proper disposal of Fluorescent Bulbs ran from January to April. • City's Quarterly Report (newsletter for residents): Two mercury related articles were published in 2008 (Dispose of Mercury-Containing Products Safely, Using the City of Sunnyvale's Household Hazardous Waste Program.
 - San Jose Mercury News: an ad was published for the Mercury Thermometer Exchange Event (During National Pollution Prevention Week – September 15-21, Mercury Fever Thermometer Exchange Event).
Note: This was a regional ad.
 - San Francisco Chronicle: an ad was published for the Mercury Thermometer Exchange Event (During National Pollution Prevention Week – September 15-21, Mercury Fever Thermometer Exchange Event).
Note: This was a regional ad.
 - Sunnyvale ReNews Community Recycling Newsletter: Summer 2008 (SMaRT Station Recycling Drop-off Center – mentions Fluorescent light bulbs and tubes along with Mercury-containing products), Fall 2008 (Mercury Fever Thermometer Exchange in Sunnyvale).
 - Neighborhood Association Newsletter: Mercury Fever Thermometer Exchange
 - Business Recycling and Solutions 2008: (Focus – Certified Green Business, Recycle It! Answers Column).
 - Electronic Calendar Listings: Postings related to the Mercury Fever Thermometer Exchange were listed on zVents (San Jose Mercury News) and Sunnyvalecool Yahoo! Group.
 - Flyers: A flyer was developed and posted at City departments and available at various pharmacies throughout the City (Mercury Fever Thermometer Exchange Event).
 - The City's Solid Waste and Recycling website provides information on proper disposal of mercury-containing products.
 - Community Development Department – Building Division has the "Is Mercury Lurking in Your Construction/Demolition Project?" available to those who request a building demolition permit.
- 2) City staff attended the following events and promoted mercury pollution prevention and proper disposal information:
 - Earth Day Event – April, Spring in Guadalupe Gardens - April, Columbia Health and Safety Fair – May, State of the City – September, Thermometer Exchange event – September, Sunnyvale Pancake Breakfast – October, Pumpkins in the Park - October, Muslim Green Team Event – October, Santa Clara County Creeks & Watershed Conference – November, Christmas in the Park – November/ December, Corporate Health and Safety Fairs (NetApp Earth Day 08 – April, Aruba Health and Safety Fair - April, Brown Bay Workshop Event – Going Green - April, Cepheid Health and Safety Fair - June, SR Micro Health and Safety Fair - June, QuickLogic Corporation Health and Safety Fair - August, and Lockheed Go Green Environmental Fair – September), Sunnyvale Farmers Market – Ongoing and Support of the California Product Stewardship Council – July.
- 3) City held a Thermometer Take-Back event in September 2008. The City collected 198 thermometers.

4) Sunnysvale is a participating and contributing member of the SCVURPPP Mercury Pollution Prevention (P2) Outreach Work Group. Sunnysvale worked with co-permittees to ensure that retail stores in the region continue participation in the mercury campaign. The program coordinates with retail hardware store in a partnership effort to educate customers about proper disposal of fluorescent bulbs and in developing a fluorescent bulb recycle program at participating retail stores.

5) Quantities of mercury containing wastes recycled from City Facilities in FY07-08 Reported in SCVURPPP Annual Report Attachment I - Appendix 1 - Table 1. Approximately 11,648 fluorescent and compact fluorescent lamps recycled from residents and city operations, 1645 HID, metal halide and mercury vapor lamps recycled from city operations, 3 lbs of laboratory waste recycled from city operations and 2 mercury switches recycled from city operations.

b. Projects planned for the near future (include information about expected schedule):

The City will hold another thermometer take back event in 2009. The City will continue delivering mercury pollution prevention outreach messages in advertisements, newspaper articles, utility inserts, community events, website, theater ads and other media sources in 2009. The City will continue to participate in SCVURPPP Mercury P2 Outreach Workgroup and BACWA/BAPPG. These regional groups have mercury outreach activities planned in FY2009/2010. See their corresponding workplans for more information.

US Naval Support Activity, Treasure Island

Monica Oakley

From: ANavarret@aol.com
Sent: Friday, February 13, 2009 11:04 AM
To: moakley@oakleywater.com
Cc: anavarret@sflower.org; michael.mentink@navy.mil
Subject: Treasure Island Hg Data 2008
Attachments: TIWWTP_2008Hg Data_Signature Page.pdf; Treasure Island_2008HgAnnual Data Submittal.xls

Hi Monica,

Attached you will find for the Treasure Island Wastewater Treatment Plant:

1. Completed Mercury Reporting Sheets with Facility Information, 2008 Mercury Effluent Data and Pollution Prevention Activities, and
2. A .pdf file with my signature as the person responsible for coordinating the compilation of the effluent data and P2 data.

Please provide me and Michael Mentink of the U.S. Navy (email address above) with an email receipt for this information. Please contact Rod Miller as noted for questions regarding effluent data. Please contact me directly if there are any other questions regarding this submittal.

Thank you very much,
Arleen

Arleen Navarret, Regulatory Manager
San Francisco Public Utilities Commission
Wastewater Enterprise

Nothing says I love you like flowers! [Find a florist near you now.](#)

Bay Area Clean Water Agencies
Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger: US Naval Support Activity, Treasure Island WW Treatment Plant

NPDES Permit Number(s): CA0110116

Discharger Contact Person: Rod Miller, Laboratory Director

Contact Person Phone Number: 1-650-871-3030

Contact Person Email: rmiller@sfwater.org

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009") 2008

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Arleen Navarret
Signature of Responsible Discharger Representative

2/12/2009
Date

Arleen Navarret, Regulatory Manager
Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Plant

Calendar Year Reporting:

2008

Monitoring Station:

001 A

Use separate Part 2 sheets for multiple monitoring stations



A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/4/08	0.44	0.0167	0.0009
Apr	4/22/08	0.39	0.0109	0.0005
May	5/6/08	0.44	0.0105	0.0005
Jun	6/3/08	0.44	0.0078	0.0004
Jul	7/10/08	0.34	0.0096	0.0004
Aug	8/6/08	0.39	0.0119	0.0005
Sep	9/10/08	0.42	0.0123	0.0006
Oct	10/7/08	0.35	0.0106	0.0004
Nov	11/6/08	0.37	0.0107	0.0005
Dec	12/9/08	0.39	0.0118	0.0005
Total Mass (sum)				0.0052
Weighted Annual Mass Emission				0.0063
Average				0.0005

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

US Naval Support Activity, Treasure Island Wastewater Treatment

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

- a. Projects completed or underway during the reporting year:

Fluorescent Light Tube Recycling Program - San Francisco continues to collect and recycle fluorescent lights/bulbs from municipal buildings/facilities on Treasure Island and from Treasure Island residents.

Implementation: These programs continue to be implemented throughout the year as needed.
Estimates of load: For the calendar year 2008, there were a total of 15 fluorescent lights/bulbs collected from Treasure Island municipal buildings. For the same time period, there were a total of 100 fluorescent lights/bulbs collected from Treasure Island residents.

b. Projects planned for the near future (include information about expected schedule)

1. Mercury Thermostats Reduction Program - The San Francisco Public Utilities Commission (SFPUC) and the San Francisco Department of Environment (SFE) are planning to work together with Thermostat Recycling Corporation to set up a collection and recycling program for mercury thermostats. As required by California law starting July 1, 2009, mercury thermostat manufacturers (or their representatives like Thermostat Recycling Corporation) will be required to work with government agencies, such as San Francisco, to implement such a program. The program will include establishing collection sites, pick up and proper disposal of mercury thermostats and outreach to targeted audience.

Implementation- Planning to start program in FY 09-2010.

Estimates of load: The program will include load estimates by tracking numbers of mercury thermostats collected and number of collection sites.

2. Outreach to Schools (regarding mercury sources) -The San Francisco Unified School District (SFUSD) is in the process of implementing a pilot project, the San Francisco Green Schools Project to help "green" San Francisco schools. SFPUC, SFE and San Francisco Department of Public Works (DPW) are planning to work together to provide input into the new program. For example, SFPUC will encourage schools to replace their mercury sources and dispose of them properly.

Implementation- SFUSD has already begun a San Francisco Green Schools pilot program. SFPUC, SFE and DPW will provide their input into program by end of FY 2008-2009.

Estimates of load: The program will include load estimates by tracking numbers of schools participating and (if possible) numbers of mercury sources collected from the schools.

Vallejo Sanitation and Flood Control District

Monica Oakley

From: Gillian Silva [gillsilva@vsfcd.com]
Sent: Wednesday, February 18, 2009 9:54 AM
To: moakley@oakleywater.com
Cc: Dan Tafolla
Subject: Vallejo's Hg TMDL reporting
Attachments: 2008 VSFCD Hg TMDL Group Report.pdf

Hi Monica,

I faxed our report to you on January 29, 2009 and have the Transmittal Verification of Receipt. I refaxed it again this morning with a copy of the original transmittal receipt.

I emailed you last week to ask if you were going to send Vallejo a receipt, but you said the fax transmittal form would be sufficient.

Your Office Manager left me a message that the resent fax was received today, 2/18, and she would look for the original faxed report. I also got a phone call from Nirmela, so I guess we have everyone, including ourselves, very concerned.

Am I correct in assuming everything is okay, or do I need to notify the Water Board that we missed a due date?

Gillian Silva

Environmental Specialist
Vallejo Sanitation & Flood Control District
450 Ryder Street
Vallejo, CA 94590
(707) 644-8949 ext. 265
(707) 644-8975 (fax)

***** Internet E-mail Confidentiality*****

This e-mail message and files transmitted with it may contain privileged or confidential information and is intended only for the individual(s) named. If you are not an intended recipient or the person responsible for delivering the e-mail to the intended recipient, you may not disclose, use, disseminate, distribute, print, copy or rely upon this message or attachment in any way. If you received this e-mail message in error, please return by forwarding the message and its attachments to the sender and delete this e-mail from your system. The sender and VSFCD do not accept liability for errors, omissions, corruption or virus in the contents of this message or attachments that arise as a result of e-mail transmission. Nothing in this message should be interpreted as a digital or electronic signature that can be used to authenticate a contract or other legal document. Thank you.

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information**

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form

Part 2 of 3 – Mercury Data

Discharger:

Vallejo Sanitation & Flood Control District

Calendar Year Reporting:

2008

Monitoring Station:

E001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/5/08	10.98	0.0130	0.0165
Apr	4/8/08	9.78	0.0230	0.0260
May	5/7/08	9.91	0.0130	0.0149
Jun	6/3/08	9.73	0.0150	0.0168
Jul	7/8/08	9.45	0.0140	0.0153
Aug	8/5/08	9.22	0.0200	0.0213
Sep	9/10/08	9.42	0.0210	0.0228
Oct	10/7/08	8.83	0.0200	0.0204
Nov	11/4/08	10.39	0.0210	0.0252
Dec	12/3/08	8.90	0.0150	0.0154
Total Mass (sum)				0.1946
Weighted Annual Mass Emission				0.2335
Average			0.0175	0.0195

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

- Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
- Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
- Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Took total mass for 10 months and divided it by 10, then multiplied by 12 to get a 'weighted' mass for the entire 12 months of 2008.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Vallejo Sanitation & Flood Control District

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

None.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

Continued development of a Dental Amalgam Program. Initiated a contract with Tom Barron to act as a consultant for our program. Held a meeting with several local dentists and began amendment to the Sewer Use Ordinance to incorporate the new discharge requirements for dental offices in our service area. Held a mercury thermometer exchange event in April. Wrote an article in the District newsletter about mercury pollution prevention. Allowed employees to bring in their personal spent fluorescent tubes to work for correct disposal using the District's Universal Hazardous Waste Program.

b. Projects planned for the near future (include information about expected schedule)

Continue with the implementation of the Dental Amalgam Program. Anticipate adoption of the revised Sewer Use Ordinance in the early part of 2009, and then require installation of amalgam separators in all qualifying dental offices by December 31, 2009. Will address mercury pollution prevention issues in at least one newsletter during the year. Plan to hold a mercury thermometer exchange at the Earth Day event in April, and will continue to allow District employees to bring their spent fluorescent tubes to work for correct disposal.

TRANSMISSION VERIFICATION REPORT

TIME : 01/29/2009 09:31
NAME : VSFCD
FAX : 7076449831
TEL : 7076448949
SER.# : BROH4J864081

DATE, TIME	01/29 09:30
FAX NO./NAME	15106633601
DURATION	00:00:48
PAGE(S)	05
RESULT	OK
MODE	STANDARD EGM

VALLEJO SANITATION AND FLOOD CONTROL DISTRICT

FACSIMILE TRANSMISSION COVER SHEET

DATE: January 29, 2009
TO: Monica Oakley, Oakley Water Strategies
ADDRESS:
CITY:
PHONE NUMBER: (510) 663-3600
FACSIMILE NUMBER: (510) 663-3601

FROM: Gillian Silva
ADDRESS: 450 Ryder Street
CITY: Vallejo, CA 94590
PHONE NUMBER: (707) 644-8949 ext. 265
e-mail: gillsilva@vsfcd.com
FACSIMILE NUMBER: (707) 644-8975

NUMBER OF PAGES TRANSMITTED INCLUDING THIS COVER SHEET: 5

West County Agency

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 – Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
 c/o Oakley Water Strategies
 (510) 663-3601

Or By Regular Mail:

BACWA
 c/o Oakley Water Strategies
 Mercury Watershed Permit Group Reporting Program
 2100 Lakeshore Avenue, Suite C
 Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

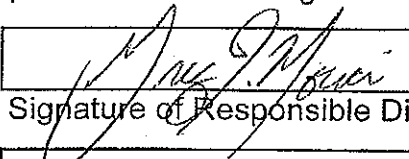
Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing



Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury DataDischarger: Calendar Year Reporting: Monitoring Station: *Use separate Part 2 sheets for multiple monitoring stations*

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its total mercury data in ERS are complete and correct, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	3/11/08	7.57	0.0100	0.0087
Apr	4/7/08	6.90	0.0093	0.0074
May	5/7/08	7.01	0.0120	0.0097
Jun	6/20/08	9.25	0.0077	0.0082
Jul	7/9/08	6.62	0.0054	0.0041
Aug	8/7/08	7.52	0.0085	0.0074
Sep	9/4/08	6.36	0.0190	0.0140
Oct	10/2/08	6.84	0.0097	0.0077
Nov	11/1/08	13.08	0.0650	
	11/3/08	12.98	0.0470	
	11/6/08	6.64	0.0091	0.0585
Dec	12/9/08	6.95	0.0081	0.0065
Total				0.1322
				0.1587
Average			0.0130	0.0132

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

West County Agency

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

There were two blending events at the Richmond Plant in November, 2008 due to high flow during wet weather. Mercury samples were taken during both events as required by our permit. The average loading for November was raised because of the high flow values used since mercury was sampled on the days with high flow. The mercury concentration was also higher than normal during the blending events. These values from November 1, 2008 and November 3, 2008 skewed the data to the high side for the month of November.

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

During 2008, Pollution Prevention Program activities for the West County Wastewater District included an ongoing Mercury Thermometer Exchange Program, conducted through a partnership with the local Household Hazardous Waste Collection Facility. Data for the year was unavailable at the time of this report. The District also performs outreach to reduce mercury from Dental facility operations. Program activities are being updated. The information for both of these outreach efforts will be included with the District's Annual Pollution Prevention Program Report. During 2008, City of Richmond also participated in a Mercury thermometer exchange for City Employees (16 thermometers were distributed), as well as participation with the Household Hazardous Waste Collection Facility. Data also not available. Eight of the City of Richmond's Dentists (out of 10) have installed amalgam separators.

b. Projects planned for the near future (include information about expected schedule)

The City of Richmond will continue Public Outreach through our local cable station (KCRT) to distribute information regarding our on-going Mercury thermometer exchange program.

Yountville, Town of

Monica Oakley

From: Don Moore [DMoore@yville.com]
Sent: Sunday, February 15, 2009 11:21 AM
To: moakley@oakleywater.com
Subject: Mercury Reporting Info
Attachments: Final Hg Watershed Grp Reporting Forms 1-14-09.xls

Hi Monica,

Sorry about sending this out to you last minute.

Give me a call or reply back if you have any questions,

Don

DON MOORE
WASTEWATER SYSTEM SUPERVISOR
TOWN OF YOUNTVILLE
(707) 944-2988
FAX (707) 944-9619
DMOORE@YVILLE.COM

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 1 of 3 - Basic Information

If you are electing to report your municipal agency's annual mercury results through the Bay Area Clean Water Agencies (BACWA) Group Reporting Program, return all 4 parts of this form as shown below no later than February 15th, 2008, to report results from 2008. Forms must be received by February 15th.

By Email:

moakley@oakleywater.com

Or By Fax:

BACWA
c/o Oakley Water Strategies
(510) 663-3601

Or By Regular Mail:

BACWA
c/o Oakley Water Strategies
Mercury Watershed Permit Group Reporting Program
2100 Lakeshore Avenue, Suite C
Oakland, CA 94606

Regardless of transmission method, be sure to retain proof of receipt. If results are emailed, a response will be provided.

Name of Discharger:

NPDES Permit Number(s):

Discharger Contact Person:

Contact Person Phone Number:

Contact Person Email:

Calendar Year Reporting: (Example: for data collected in 2009, enter "2009")

Certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

Donald E. Moore

Signature of Responsible Discharger Representative

Date

Print Name and Title

Bay Area Clean Water Agencies

**Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data**

Discharger: Town of Yountville - Calculated by BACWA

Calendar Year Reporting: 2008 Monitoring Station: E-001

Use separate Part 2 sheets for multiple monitoring stations

A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date	Effluent Flow to Surface Waters (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar				No data
Apr	4/9/08	0.41	0.0120	0.0006
May				No data
Jun				No data
Jul				No data
Aug				No data
Sep				No data
Oct				No data
Nov				No data
Dec				No data
Total Mass (sum)				0.0006
Weighted Annual Mass Emission ¹				0.0043
Average			0.0120	0.0006

¹ Since flow data were not available from ERS, and it was unclear which months Yountville discharged from the data provided, the weighted annual mass emission was estimated as if discharging occurred during the period of allowed discharge as indicated in the Yountville NPDES permit, namely October 1 - May 15.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 2 of 3 – Mercury Data

Discharger:

Town of Yountville

Calendar Year Reporting:

2008

Monitoring Station:

E-001

Use separate Part 2 sheets for multiple monitoring stations



A Discharger reporting data to the Electronic Reporting System (ERS), may check and initial this box to certify that its **total mercury data in ERS are complete and correct**, if it wishes to skip this part (Part 2) of the Annual Mercury Information Reporting Form. Any recycled water adjustments must still be shown on this sheet.

Month	Sample Date ¹	Effluent Flow to Surface Waters ² (mgd)	Total Mercury Concentration (µg/L)	Average Monthly Mass Load (kg/mo)
		Enter the effluent flow for only the days when mercury was sampled.	Only fill in boxes for month(s) sampled. Indicate "no data" for month(s) not sampled.	
Jan				
Feb				
Mar	1/16/08	0.41	0.0063	0.0003
Apr	4/9/08	0.41	0.0120	0.0006
May			no data	no data
Jun			no data	no data
Jul			no data	no data
Aug			no data	no data
Sep			no data	no data
Oct			no data	no data
Nov			no data	no data
Dec			no data	no data
Total Mass (sum)				0.0009
Weighted Annual Mass Emission				
Average				

¹ If there is more than one sample in a month at the same station, report flows and concentrations for all sample days above (insert rows for this purpose), and calculate average monthly mass load in accordance with the methodology described in the Mercury Watershed Permit, Section III, Effluent Limitations III (see also BACWA instructions).

² Only effluent flows to surface waters should be shown, so that recycled water applied to land (such as for irrigation) is not counted toward the total annual mass load (since it is not entering the Bay).

Comments on data:

Additional information/data/comments should be provided for the following situations (feel free to show your information/data/computations in a separate Spreadsheet within this Workbook under a new tab created for that purpose):

1. Dischargers claiming an effluent credit for recycled wastewater use by industrial dischargers pursuant to Provision V.C.5 of the Mercury Watershed Permit must indicate the credit(s) that will be applied to the mass loads listed above, and show the credit calculation and basis in the section below (use additional sheets if necessary).
2. Agencies that discharge flow to surface waters for only part of the year (such as agencies in the North Bay that don't discharge to surface waters for several months of the year), where the situation is more complicated than the above table.
3. Other information/data/comments that you feel should be included, especially if your situation seems to have special circumstances or is more complicated than this form is set up for.

Bay Area Clean Water Agencies

Annual Mercury Information Group Reporting Form
Part 3 of 3 – Source Control Information

Discharger:

Town of Yountville

Calendar Year Reporting:

2008

1. Discussion of any events that affected mercury loading for the calendar year:

No projects took place during 2008

2. Description of mercury source control projects underway or planned. Each project shall include: (1) description of project activities; (2) implementation schedule(s); and (3) estimates of mercury mass loads that can be avoided through program activities unrelated to normal treatment, summarized by activity if appropriate.

a. Projects completed or underway during the reporting year:

b. Projects planned for the near future (include information about expected schedule)

Meetings with Veterans Home and Dentist office in Town will take place in Spring of 2009.