CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Environmental Services

2007
ANNUAL INDUSTRIAL USER PRETREATMENT COMPLIANCE REPORT
and
Clean Bay Strategy
including the South Bay Action Plan & Annual Pollution Prevention Report

for the

SAN JOSE SANTA CLARA WATER POLLUTION CONTROL PLANT

Tributary Agencies

Cities of:
San Jose,
Santa Clara
and Milpitas

Cupertino Sanitary District

West Valley Sanitation District
(Campbell, Los Gatos, Monte Sereno and Saratoga)

County Sanitation Districts 2-3

Sunol and Burbank Sanitary Districts

Administered by the
Environmental Services
Department
City of San José

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2007
ANNUAL INDUSTRIAL USER PRETREATMENT COMPLIANCE REPORT

and

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SAN JOSE SANTA CLARA WATER POLLUTION CONTROL PLANT

Administered by the
Environmental Services Department
City of San José

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Environmental Services Department
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

February 28, 2008

WATERSHED PROTECTION

CONTRIBUTING AGENCIES

CITY OF SAN JOSÉ
CITY OF SANTA CLARA
COUNTY SANITATION DIST. NO. 2 - 3
BURBANK SANITARY DISTRICT
CUPERTINO SANITARY DISTRICT
CITY OF CUPERTINO
CITY OF MILPITAS
SUNOL SANITARY DISTRICT
WEST VALLEY SANITATION DISTRICT
CITIES OF CAMPBELL, LOS GATOS
MONTE SERENO AND SARATOGA

Mr. Bruce Wolfe
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

SUBJECT: San Jose/Santa Clara Water Pollution Control Plant
2007 Annual and Second Semiannual Industrial User
Pretreatment Compliance Reports and Clean Bay Strategy Report
NPDES Permit No. CA-0037842

Dear Mr. Wolfe:

Enclosed are the following reports: the 2007 Annual and Second Semiannual Industrial Users Pretreatment Compliance Reports, which include laboratory data on influent, effluent, and sludge monitoring results and compliance tables, and the Clean Bay Strategy Report.

The City of San José (City) faces the challenge of preserving a portion of one of the most important estuaries in the United States, located directly adjacent to a complex urban community. As lead agency of a regional joint powers authority, the City operates the San Jose/Santa Clara Water Pollution Control Plant (Plant), and provides wastewater treatment to over 1.4 million residents and 16,000 businesses, including many of the leading computer and electronics manufacturing companies that make up "Silicon Valley." The City is also responsible for limiting the Plant effluent discharges to the South San Francisco Bay (South Bay), as required by its National Pollutant Discharge Elimination System (NPDES) Permit.

The Clean Bay Strategy (CBS) report fulfills the Plant's NPDES Permit requirement to submit an annual report to the San Francisco Regional Water Quality Control Board (Water Board) under Permit Order R2 2003-0085, Provision E.19. It covers activities that occurred during the period from January 1, 2007 to December 31, 2007. The report is structured into two distinct sections that are stand-alone reports to facilitate review.

- 2008 South Bay Action Plan Workplan, Contingency Plan, and the 2007 Activity Update
- 2007 Annual Pollution Prevention (P2) Report. The annual P2 report summary includes pollutant priorities, sources of pollutants, pollution prevention progress, and plans for the next year.

The City supports environmental and regulatory programs that provide efficient and effective services to the community by linking environmental excellence to economic prosperity and a high quality of life. The City operates the Plant on behalf of its tributary agencies. In addition, the City serves as vice-chair of the Santa Clara Valley Urban Runoff Pollution Prevention Program and co-chair of the Santa Clara Basin Watershed Management Initiative.

That City continues to use integrated approaches to environmental protection. Since 1994, the City has managed its pollution prevention and water quality programs using the guidelines established in the (CBS). San José has also adopted an implementation workplan for the Urban Environmental Accords, a global initiative to promote sustainability at the local level. Several of the actions in the Urban Environmental Accords benefit watershed activities (see http://www.sanjoseca.gov/esd/urban-accords.asp). In 2007, the City adopted a Green Vision with aggressive goals to achieve a sustainable future:

1. Create 25,000 Clean Tech jobs as the World Center of Clean Tech Innovation.
2. Reduce per capita energy use by 50 percent.
3. Receive 100 percent of our electrical power from clean renewable sources.
4. Build or retrofit 50 million square feet of green buildings.
5. Divert 100 percent of the waste from our landfill and convert waste to energy.
6. Recycle or beneficially reuse 100 percent of our wastewater (100 million gallons a day)
7. Adopt a General Plan with measurable standards for sustainable development.
8. Ensure that 100 percent of public fleet vehicles run on alternative fuels.
9. Plant 100,000 new trees and replace 100 percent of our streetlights with smart, zero-emission lighting.
10. Create 100 miles of interconnected trails.

During the Plant's 2007 dry weather season (May-October), the Plant discharged an average dry weather effluent flow (ADWEF) of 95 million gallons per day (mgd), the lowest in 30 years, well below the 120 mgd flow trigger. Low dry weather flows are the result of the City's successful conservation and recycling programs and fluctuating economic conditions. The South Bay Water Recycling Program delivered an average 14.4 mgd during the dry weather season. The City also continues its successful water conservation programs in collaboration with the Santa Clara Valley Water District. Additionally, the Plant has maintained compliance with all its NPDES discharge limits and is actively participating in the various pollutant specific efforts and ongoing TMDL processes.

The Second Semiannual and Annual Reports are submitted in accordance with Provision E.5 of the Regional Board Order No. R2 2003-0085. The Second Semiannual Report was submitted to the Water Board on January 31, 2008, to meet the reporting requirements. Contained in this report is a listing of all Significant Industrial Users (SIUs) that had any violation of federal or local standards during the third and fourth quarters of 2007. The parameters violated, comments on corrective measures, and enforcement actions taken on these SIUs are given in this report. The definitions used to determine significant noncompliance are contained in the 2007 Annual Industrial Users Pretreatment Compliance Program. Definitions used to determine significant noncompliance are the same as those found in 40 CFR 403.8(f)(2)(vii)(A-H) and are designated as Significant Noncompliance Federal and Significant Noncompliance Local. At the end of the fourth quarter of 2007, the Plant was monitoring 309 industries, of which 151 were Significant Industrial Users, and 158 were Non-Categorical Industries discharging under 25,000 gallons per day. Of the 151 Significant Industrial Users, 139 were Categorical Industrial Users and the remaining 12 were classified by their quantity of discharge. The total number varies throughout the year as companies close or additional dischargers are identified.

Compliance Performance of Significant Industrial Users in the SJ/SC WPCP Tributary Area

	3rd Quarter 2007		4th Quarter 2007	
Category	**Federal**	**Local**	**Federal**	**Local**
Consistent compliance	96.8%	87.9%	94.9%	87.8%
Inconsistent compliance	2.6%	11.5%	4.4%	12.2%
Significant Non-compliance	0.6%	0.6%	0.6%	0.0%

We continue to monitor all industrial dischargers and permitted commercial sources to ensure that all violations are identified and corrected as soon as possible. Appropriate enforcement actions are taken if violations persist, and additional compliance measures are pursued with all significant violators.

We look forward to working with you on the continuing process of adapting our programs based on new information and new opportunities. If you have any questions about these reports, please contact Heidi Geiger, P.E., Senior Environmental Inspector, at (408) 277-2755.

Sincerely,

JOHN STUFFLEBEAN
Director

Attachments

cc: Ken Greenberg, USEPA Region 9
Keith Silva, USEPA Region 9
Adam Laputz, SWRCB
Michael Chee, RWQCB

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

COVER SHEET

Report Date **February 29, 2008**

2007 ANNUAL PRETREATMENT REPORT

Period Covered by This Report **From 01/01/2007 to 12/31/2007**

Period Covered by Previous Report **From 01/01/2006 to 12/31/2006**

NPDES Permit Holder or Sewer Authority Name: The Cities of San Jose and Santa Clara

Name of Wastewater Treatment Plant: San Jose/Santa Clara Water Pollution Control Plant

NPDES Permit Number: CA-0037842

Person to contact concerning information contained in this report:

Name: Heidi Geiger
Title: Senior Environmental Inspector
Mailing Address: 170 W. San Carlos Street
San Jose, CA 95113
Telephone Number: (408) 277-2755

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete.

for

JOHN STUFFLEBEAN
Director
Environmental Services Department

2/29/08
Date

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Introduction

Background

The San José/Santa Clara Water Pollution Control Plant (the Plant) is jointly owned by the Cities of the San José and Santa Clara and was first constructed in 1956 with a capacity of 36 million gallons per day (MGD).

The Plant serves a population of over 1.4 million and has a service area of over 300 square miles, covering most of the metropolitan areas of Santa Clara Valley. Within this service area are the Cities of San José (the City), Santa Clara, Milpitas, Cupertino, Campbell, Los Gatos, Monte Sereno, Saratoga and adjacent unincorporated areas.

The Plant is the largest advanced wastewater treatment facility in the State of California and provides tertiary treatment, which includes nitrification, filtration, and disinfection. Expansion of the Plant capacity from 143 MGD to 167 MGD was completed in August 1986. On December 18, 1986, the San Francisco Regional Water Quality Control Regional Board (Regional Board) certified the Plant capacity at 167 MGD. With a replacement value of approximately $2 billion, this state-of-the-art, computer controlled facility is one of the community's most valuable assets. The City of San Jose's Environmental Services Department is responsible for operating and maintaining the Plant and the administration of the Pretreatment Program, as well as many of the pollution prevention programs found in the *Clean Bay Strategy*. The Plant has had a pretreatment program since 1964, and this program was originally submitted to the Environmental Protection Agency (EPA) on December 2, 1980, and approved on January 21, 1983.

Wastewater Discharge Requirements

The 2007 Average Dry Weather Effluent Flow (ADWEF) was 95 MGD, well below the 120 MGD flow trigger for the tenth consecutive year.

The Regional Board adopted the Plant's current National Pollutant Discharge Elimination System (NPDES) operating permit on September 17, 2003, and the Plant has successfully maintained compliance with this permit's discharge limits.

The last Pretreatment Compliance Inspection (PCI) was conducted on January 12-15, 2004 by Tetra Tech. Inspectors from EPA were present at this inspection. The findings of this PCI were transmitted to the City in a letter from the Regional Water Board dated July 9, 2004. We have met all the requirements of PCI. The EPA also conducted a second inspection regarding several of our Existing Source Metal Finishers on August 5th and 6th, 2004. Based on the findings from the January PCI and the August inspections, EPA issued an Administrative Order on March 17, 2005. A first progress report was submitted on June 30, 2005. This was followed by the second and third progress reports on October 31, 2005 and February 28, 2006. Additionally the City submitted a proposed revised Sewer Use Ordinance (SUO) on January 31, 2006, and Technical Report on the adequacy of local limits submitted to EPA and the Regional Water Board on June 30, 2006. EPA and the Regional Board approved the revised local limits on June 20, 2007 and June 28, 2007, respectively. On July 9, 2007, EPA and the Regional Board also approved a revised timeline, extending the compliance schedule to allow additional time for the City to reissue all wastewater discharge permits for approximately 156 Significant Industrial Users and to allow the City and tributary agencies served by the Plant to formally adopt the revised local limits and SUO changes. On December 4, 2007, the City Council adopted the resulting revised SUO with an effective date of January 4, 2008.

The City also contracted with a consultant to conduct the audit of the City's compliance monitoring program as required by the Order. The final audit report was submitted to the EPA on June 29, 2007. Staff submitted a complete report responding to specific audit recommendations and has submitted that to EPA on August 31, 2007. Further details are included in "POTW's Compliance with Pretreatment Program Requirements" section of the Semi-Annual Industrial User Violation Report.

Definitions

1 Administrative Citation – A civil financial penalty imposed by the City of San Jose for violation of a municipal code. It carries no criminal charges or penalties.

2 Administrative Order - A notice delivered to a discharger to show cause why a permit application should be denied or revoked, or to cease and desist from discharging.

3 Average Concentration - The concentration of a pollutant in an Industrial User's discharge that is calculated by adding the concentrations of the particular pollutant in all composite samples taken during a given time period, including but not limited to self monitoring samples, and dividing the total by the number of samples taken.

4 Best Management Practices - Schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the introduction of pollutants to the sanitary sewer system which have been determined by the Director to be cost effective for particular industry groups, business types, or specific industrial processes.

5 Categorical - All industries or standards the EPA has designated as categorical in the federal regulations.

6 Civil Action - An order, hearing or other action by the presiding court. Such orders may include fines.

7 Compliance Inspection - An inspection to determine compliance status and to identify practices that may lead to noncompliance. Compliance inspections are normally not scheduled.

8 Compliance Meeting - A meeting with the Industrial User to discuss the causes of non-compliance, corrective actions to achieve compliance, and timelines for the implementation of corrective actions.

9 Compliance Schedule - A timetable for the implementation of corrective actions by an Industrial User in order to achieve consistent compliance.

10 Compliance Status - Determined by samples and inspections performed over a six-month period. The categories of compliance status include: consistent compliance, inconsistent compliance - local and federal, significant noncompliance - local and federal, status unknown, and not scheduled.

11 Composite Sample - A time proportional, or a flow proportional, sample taken over one working day.

12 Consistent Compliance - No more than one parameter in violation and that parameter was less than twice the most stringent limit. Additionally, within 45 days of the Industrial User having been notified of this violation, the Industrial User has identified and corrected the cause of the violation and verified this through testing for that parameter.

13 Criminal Action - Similar to civil action, but the charges are for criminal neglect.

14 Critical User - A discharger whose wastewater contains priority pollutants, or who discharges any waste other than sanitary sewage which has the potential to cause interference, or who discharges in excess of 100,000 gallons per day.

15 Emergency Spill Inspections - An inspection response to a report of a spill or emergency; conducted to determine the cause of the problem and monitor the procedures used to alleviate the problem.

16 Environmental Enforcement Data Management System (EEDMS) – Pretreatment and Storm water programs data management software.

17 Evening, Weekend Inspections - "Surprise" inspections performed on a random basis to determine compliance; may include all activities of a compliance inspection.

18 Fines - Monetary penalties imposed by the court or by the City for violation of discharge regulations.

19 Flow Audit Study - An investigation of water use and source reduction measures performed by or for an Industrial User, pursuant to an audit protocol adopted by the Director. The investigation includes the identification and evaluation of cost effective flow reduction measures applicable to the Industrial User.

20 Grab Sample - A grab sample is an instantaneous sample representing a moment in time. It is useful for detecting "spikes" of pollutants which, according to EPA guidance, can be "masked" by composite samples.

21 Inconsistent Compliance - More than one parameter in violation, or any one parameter in violation, that exceeded twice the most stringent limit and within forty- five (45) days of the date the Industrial User is notified of the violation, the Industrial User has been resampled, found to be in compliance, and does not fall within the significant noncompliance classification.

22 Industrial User - Any non-residential user that discharges industrial wastes to the sanitary sewer system.

23 Informal Hearing - An informal hearing in the presence of the Director of the Environmental Services Department, or his designee, to allow the Industrial User to provide a compliance schedule for corrective actions to ensure compliance.

24 Interference - A discharge which, alone or in conjunction with a discharge or discharges from other sources, both:

a. Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and

b. Therefore, is a cause of violation of any requirement of the POTW's NPDES Permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title 2, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including State regulations contained in any State sludge management

plan prepared pursuant to subtitle D of the SWDA) the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuary Act.

25 Mass Audit Study (MAS) - An investigation of pollution and source reduction measures performed by or for an Industrial User, pursuant to audit protocols adopted by the Director, to analyze the volume and concentration of nickel, copper, and or any other Priority Pollutant identified in regulations adopted by the Director in an Industrial User's process streams and discharge, and to identify the Maximum Feasible Reduction measures available to the Industrial User.

26 Mass Equivalent Concentration Limit (MECL) - a mass-based discharge limit for copper and or nickel that is calculated using the projected annual mass of copper and or nickel and the projected annual process flow from the IU's discharge after the installation of applicable MFRs as indicated in the IU's MAS.

27 Maximum Feasible Reduction Measures (MFRs) - all individual measures, and all functionally interdependent measures, of reducing the mass of specified pollutant(s) in an Industrial User's discharge, which the Director finds would be Cost Effective if installed by the Industrial User.

28 Noncategorical - All major Industrial Users not subject to EPA categorical regulations or standards; subject to wastewater ordinance prohibitions and limitations.

29 Notice of Violation - An official notice that a violation of discharge regulations has occurred. A written response to the Notice of Violation identifying causes of the violation and corrective actions, taken to prevent recurring violations, is required within two weeks.

30 Not Scheduled (Compliance Status) - When an Industrial User is not scheduled to be sampled.

31 Pass-Through - A discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES Permit (including an increase in the magnitude or duration of a violation).

32 Pattern of Noncompliance Over A Twelve Month Period -

a. Fifty percent (50%) or more of the samples collected in each of three of the past four quarters has resulted in issuance of Notices of Violation for the same parameter, or

b. An Industrial User has been listed as being in "inconsistent compliance" for four consecutive quarters, as defined in item #21.

33 Permit Inspection - One permit inspection is performed annually to verify accuracy of information submitted in the permit application. Permit inspections are scheduled and include a review of all the information contained in the application.

34 Permit Revocation - Revocation of a permit. All industrial discharges must cease.

35 Permit Revocation Hearing - A hearing held to determine if a permit should be revoked.

36 Reasonable Control Measures - Control technologies, best management practices, source control practices and waste minimization procedures which prevent or reduce the

introduction of pollutants to the sanitary sewer system, and are determined by the Director to be cost effective for particular industry groups, business types, or specific industrial processes.

37 Significant Industrial User - All Industrial Users in one or more of the following categories:

a. All Industrial Users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N.

b. Any Industrial User that discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater).

c. An Industrial User that contributes a process wastestream which makes up five (5) percent or more of the average dry weather hydraulic or organic capacity of the POTW.

d. An Industrial User designated as such by the Control Authority as defined in 40 CFR 403.12(a) on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation by violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8 (f)(6)).

38 Significant Noncompliance - Significant noncompliance is a compliance status in which one or more of the following is found:

a. Chronic violations of wastewater discharge limits, defined here as those in which sixty-six percent (66%) or more of all the measurements taken during a six (6) month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter.

b. Technical Review Criteria (TRC) violations, defined here as those in which thirty-three percent (33%) or more of all the measurements for each pollutant parameter taken during a six (6) month period equal or exceed the product of the daily maximum or the average limit multiplied by the applicable TRC (TRC = l.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH).

c. Any other violation of a pretreatment effluent limit (daily maximum or long-term average) that the Control Authority determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of POTW personnel or the general public.)

d. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under 40 CFR 403.8 (f)(1)(vi)(B) to halt or prevent such a discharge.

e. Failure to meet, within ninety (90) days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance.

f. Failure to provide, within thirty (30) days after the due date, required reports such as baseline monitoring reports, ninety (90) day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules.

g. Failure to accurately report noncompliance.

h. Any other violation or group of violations that the Control Authority determines will adversely affect the operation or implementation of the local pretreatment program.

39 Unknown (Compliance Status) - When an Industrial User was scheduled to be sampled, but was not, the designation unknown is used.

40 Upset - An exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the Industrial User. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

41 Verbal Warning - A warning communicated to the Industrial User orally. The violation is usually very minor or within the range of analytical testing error.

42 Warning Notice/Inspection Report - A written notice that a minor violation has occurred. It directs the Industrial User to take action to correct the violation, and does not require a formal response.

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Discussion of Upset, Interference, and Pass-Through Incidents

During 2007, the San Jose/Santa Clara Water Pollution Control Plant maintained 100% compliance with all effluent limitations set forth in Permit No. CA-0037842, Order No. R2-2003-0085.

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2007 Influent, Effluent and Sludge Monitoring Results

Summary of 2007 Monitoring Results

Appendix I presents the 2003-2007 pretreatment program monitoring results in tabular form. Appendix II presents graphical representations of influent and effluent metals monitoring data for the past five years (2003-2007).

Discussion of 2007 Influent Monitoring Results

The following organic priority pollutants were detected in the influent during 2007:

Bis(2-ethylhexyl)phthalate is a common plasticizer for polymeric materials (plastic pipe). Bis(2-ethyl-hexyl)phthalate is used primarily as a plasticizer during polyvinyl chloride and polymer production and is likely released into wastewater during water contact with plastic materials. **Chloroform** is likely to enter the environment with its use as an industrial solvent, extractant, and cleaning agent as well as from indirect production in the chlorination of drinking water, wastewater and cooling water. Artificial sources of chloroform include automobile exhaust, extractants, solvents, dry cleaning agents, fumigants and synthetic rubber. If released into water, chloroform will be primarily lost by evaporation into the atmosphere. Chloroform may be subject to significant biodegradation based upon laboratory experiments, although the reported scientific literature is conflicting. **Dichloromethane**, a.k.a. methylene chloride, is used as a solvent, degreasing agent and as a cleaning agent. Large quantities of methylene chloride are used each year in aerosols, paint removers, and chemical processing with most being released to the atmosphere. Releases to water will primarily be removed by evaporation. Methylene chloride is not expected to adsorb to sediment or bioconcentrate in aquatic organisms**. Diethyl Phthalate (DEP)** may enter the environment in air emissions, aqueous effluent, and solid waste products from plastics manufacturing and processing plants. DEP may also be emitted in vapor and particulate form during incineration of DEP containing plastics. DEP may volatilize from plastic products and may enter the environment directly due to non-plasticizer use, e.g., in insecticidal sprays, insect repellants, and perfumes. Volatilization and leaching from plastic products at waste disposal sites represent potential modes of transport to air, water and soil. DEP has accumulated and persisted in the sediments of the Chesapeake Bay for over a century. Phenol is a common and important industrial chemical that enters wastewater during its use in resins, plastics and adhesives. It is frequently found in wastewater from other commercial sources. **Toluene** is used as a general purpose solvent; as a fuel additive; and as a chemical manufacturing constituent. Considerable amounts are discharged during the storage, transport and disposal of fuels and oils.

Priority pollutant metals were measured at concentrations characteristic of influent typically received by this facility.

Discussion of 2007 Effluent Monitoring Results

The following organic priority pollutants were detected in the effluent during 2007:

Bromodichloromethane enters the environment primarily through its inadvertent formation during chlorination treatment processes of drinking water and wastewater. Bromodichloromethane is also biosynthesized and emitted to the environment by various species of marine micro algae that are abundant in the world's oceans. The general population is exposed through oral consumption of contaminated drinking water, beverages, and food products,

through inhalation of contaminated air, and through dermal exposure to chlorinated swimming pool water. **Chloroform** is likely to enter the environment with its use as an industrial solvent, extractant, and cleaning agent as well as from indirect production in the chlorination of drinking water, wastewater and cooling water. Artificial sources of chloroform include automobile exhaust, extractants, solvents, dry cleaning agents, fumigants and synthetic rubber. If released into water, chloroform will be primarily lost by evaporation into the atmosphere. Chloroform may be subject to significant biodegradation based upon laboratory experiments, although the reported scientific literature is conflicting. **Dibromochloromethane** enters the environment primarily through its inadvertent formation during chlorination treatment processes of drinking water and wastewater. Dibromochloromethane is not produced or used on a large commercial scale indicating that significant releases do not occur from such industrial practices. **Toluene** is used as a general purpose solvent; as a fuel additive; and as a chemical manufacturing constituent. Considerable amounts are discharged during the storage, transport and disposal of fuels and oils.

All organic priority pollutants were detected in the effluent at concentrations below NPDES permit limits and below applicable federal water quality standards.

Priority pollutant metals were measured at concentrations characteristic of effluent typically discharged by this facility. All priority pollutant metals detected in the effluent were below NPDES permit limitations and below applicable federal water quality standards.

Discussion of 2007 Sludge Monitoring Results

Volatile organic compounds (EPA Method 8260) and Semi-volatile organic compounds (EPA Method 8270) were not measured in biosolids above respective detection limits during 2007.

No priority pollutant organics were detected in amounts that would adversely effect Class A sludge disposal options.

Priority pollutant metals were measured at concentrations characteristic of typical biosolid production at this facility. No priority pollutant metals were detected in amounts that would adversely effect Class A sludge disposal options.

Discussion of Five Year Influent Trends (2003-2007)

- Arsenic concentrations are somewhat variable, with a mean of 2.24 ug/L, a median of 2.14 ug/L, and a standard deviation of 0.69 ug/L.
- Cadmium mean concentrations have remained relatively constant, with a mean of 0.55 ug/L, a median of 0.40 ug/L, and a standard deviation of 0.57ug/L. The apparently high standard deviation is the result of uncharacteristically high concentrations measured in late May 2005. The fluctuations in 2005 have decreased, but have not decreased to the levels prior to 2005.
- Chromium concentrations have remained relatively constant, with a mean of 7.66 ug/L, a median of 7.15 ug/L, and a standard deviation of 3.28 ug/L. The apparently high standard deviation is the result of three high concentrations measured in February 2004, April 2005 and May 2007.
- Copper concentrations are somewhat variable, with a mean of 103.9 ug/L, a median of 98.9 ug/L, and a standard deviation of 26.63 ug/L. Influent concentrations typically lie between 50 ug/L and 150 ug/L.

- Lead concentrations are somewhat variable, with a mean of 6.18 ug/L, a median of 5.30 ug/L, and a standard deviation of 3.63 ug/L. The apparently high standard deviation is the result of two high concentrations measured in February and June 2005.
- Mercury concentrations have remained relatively constant, with a mean of 0.26 ug/L, a median of 0.25 ug/L, and a standard deviation of 0.10 ug/L. The apparently high standard deviation is the result of two high concentrations measured in April 2003 and July 2005.
- Nickel concentrations are somewhat variable, with a mean of 13.26 ug/L, a median of 12.35 ug/L, and a standard deviation of 4.53 ug/L. The apparently high standard deviation is the result of three high concentrations measured in July and November of 2005 and also in March 2007.
- Selenium concentrations are somewhat variable, with a mean of 2.05 ug/L, a median of 1.95 ug/L, and a standard deviation of 0.65 ug/L. Selenium concentrations typically range between 1 ug/L and 3 ug/L.
- Silver concentrations are somewhat variable, with a mean of 2.41 ug/L, a median of 2.10 ug/L, and a standard deviation of 1.61 ug/L. The high standard deviation is the result of five high measurements during the past five years.
- Zinc concentrations are somewhat variable and have decreased significantly, with a mean of 201.60 ug/L, a median of 176.00 ug/L, and a standard deviation of 78.90 ug/L.

Discussion of Five Year Effluent Trends (2003-2007)

- Arsenic concentrations are somewhat variable, with a mean of 1.10 ug/L, a median of 1.10 ug/L, and a standard deviation of 0.33 ug/L. There is a slight upward trend in the arsenic concentrations in the last three years.
- Cadmium concentrations are all below the limit of detection (<0.5 ug/L or <0.1 ug/L). One March 2004 below detection sample result had a detection limit of <2.0 ug/l.
- Chromium concentrations are somewhat variable, with a mean of 0.70 ug/L, a median of 0.58 ug/L, and a standard deviation of 0.36 ug/L. The apparently high standard deviation is the result of one high measurement in December 2006.
- Copper concentrations are somewhat variable, with a mean of 2.93 ug/L, a median of 2.60 ug/L, and a standard deviation of 1.08 ug/L. The copper concentrations were slightly elevated during the Filter Bypass Project of October and November 2006.
- Lead concentrations are somewhat variable, with a mean of 0.82 ug/L, a median of 0.69 ug/L, and a standard deviation of 1.17. Most concentrations are below the limit of detection (<1.0 ug/L) until the method was improved in June of 2005. The apparently high standard deviation is the result of one high measurement in June 2004 and the lower concentrations due to the improved detection limit in 2005 and 2006.
- Mercury concentrations are somewhat variable, with a mean of 3.68 ng/L, a median of 2.10 ng/L, and a standard deviation of 3.12 ng/L. The apparently high standard deviation is the result of elevated concentrations during the Filter Bypass Project in October and November of 2006.

- Nickel concentrations are relatively constant, with a mean of 6.28 ug/L, a median of 6.00 ug/L, and a standard deviation of 1.22 ug/L.
- Selenium concentrations are somewhat variable (seasonal), with a mean of 0.45 ug/L, a median of 0.41 ug/L, and a standard deviation of 0.15 ug/L. A single high value was measured in April of 2006.
- Silver concentrations are mostly below the limit of detection (<0.2 ug/L & <0.1 ug/L).
- Zinc concentrations have been somewhat variable and have decreased significantly, with a mean of 44.72 ug/L, a median of 46.50 ug/L, and a standard deviation of 16.55 ug/L.

Appendix I

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DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/7/2003	2.1	0.8	0.7	<0.5	10.3	0.8	135	2.3	6	<1	0.278	<0.002	17	5	2.53	0.551	2.2	<0.2	570	53
1/14/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	93.4	3.0	n.a.	n.a.	n.a.	n.a.	13	8	n.a.	n.a.	n.a.	n.a.	379	57
1/21/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	62.5	2.4	n.a.	n.a.	n.a.	n.a.	10	6	n.a.	n.a.	n.a.	n.a.	402	44
1/28/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	108	2.1	n.a.	n.a.	n.a.	n.a.	13	6	n.a.	n.a.	n.a.	n.a.	371	59
2/4/2003	2.2	1.4	<0.5	<0.5	6.6	0.8	96.1	3.3	6	<1	0.459	0.002	14	5	2.15	0.526	3.2	<0.2	401	47
2/11/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	95.5	2.6	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	727	58
2/18/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	120	2.5	n.a.	n.a.	n.a.	n.a.	17	5	n.a.	n.a.	n.a.	n.a.	612	58
2/25/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	154	3.4	n.a.	n.a.	n.a.	n.a.	20	6	n.a.	n.a.	n.a.	n.a.	707	51
3/4/2003	2	1.4	<0.5	<0.5	7.7	1	83.7	3.1	5	<1	0.23	<0.002	14	5	2.16	0.565	3	0.2	407	59
3/11/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	98	3.0	n.a.	n.a.	n.a.	n.a.	12	5	n.a.	n.a.	n.a.	n.a.	435	53
3/18/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	105	2.5	n.a.	n.a.	n.a.	n.a.	13	5	n.a.	n.a.	n.a.	n.a.	327	51
3/24/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	80.3	3.6	n.a.	n.a.	n.a.	n.a.	14	7	n.a.	n.a.	n.a.	n.a.	326	47
4/1/2003	2.8	1	1.3	<0.5	4.8	0.8	95.2	2.6	5	1	1.07	<0.002	19	6	1.64	0.517	2.4	<0.2	319	54
4/9/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	103	3.1	n.a.	n.a.	n.a.	n.a.	20	6	n.a.	n.a.	n.a.	n.a.	381	58
4/17/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	80.7	1.8	n.a.	n.a.	n.a.	n.a.	12	6	n.a.	n.a.	n.a.	n.a.	307	51
4/25/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	64.9	3.0	n.a.	n.a.	n.a.	n.a.	8	5	n.a.	n.a.	n.a.	n.a.	278	55
5/1/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	116	2.4	n.a.	n.a.	n.a.	n.a.	14	6	n.a.	n.a.	n.a.	n.a.	348	56
5/6/2003	2.8	1.2	<0.5	<0.5	8	0.6	111	2.1	5	<1	0.238	<0.002	14	6	2.22	0.69	4	<0.2	436	55
5/13/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	86.9	1.8	n.a.	n.a.	n.a.	n.a.	21	8	n.a.	n.a.	n.a.	n.a.	338	64
5/20/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96.5	1.6	n.a.	n.a.	n.a.	n.a.	10	5	n.a.	n.a.	n.a.	n.a.	368	51
5/27/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96.6	1.6	n.a.	n.a.	n.a.	n.a.	12	5	n.a.	n.a.	n.a.	n.a.	452	52
6/3/2003	2.2	0.9	<0.5	<0.5	5.7	0.6	95.7	2.2	5	<1	0.284	0.002	16	6	3.05	0.713	2.7	<0.2	419	47
6/10/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	146	2.1	n.a.	n.a.	n.a.	n.a.	14	7	n.a.	n.a.	n.a.	n.a.	406	47
6/17/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	116	3.9	n.a.	n.a.	n.a.	n.a.	9	6	n.a.	n.a.	n.a.	n.a.	490	59
6/24/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	115	2.6	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	331	61
7/1/2003	2.8	1.1	<0.5	<0.5	14	0.5	78.1	2.2	9	<1	0.417	<0.002	16	6	2.45	0.568	3.3	<0.2	427	66
7/8/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	87.8	2.0	n.a.	n.a.	n.a.	n.a.	10	5	n.a.	n.a.	n.a.	n.a.	391	59
7/15/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	77.4	3.8	n.a.	n.a.	n.a.	n.a.	7	5	n.a.	n.a.	n.a.	n.a.	308	120
7/16/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	316	48
7/22/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	144	2.0	n.a.	n.a.	n.a.	n.a.	13	5	n.a.	n.a.	n.a.	n.a.	349	31
7/29/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	86.7	2.1	n.a.	n.a.	n.a.	n.a.	9	6	n.a.	n.a.	n.a.	n.a.	347	53
8/5/2003	1.7	0.6	<0.5	<0.5	5.4	0.7	99.5	1.6	4	<1	0.309	0.002	14	5	1.69	0.43	14.7	<0.2	315	45
8/12/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	91.1	2.0	n.a.	n.a.	n.a.	n.a.	11	7	n.a.	n.a.	n.a.	n.a.	302	67
8/19/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96.6	2.7	n.a.	n.a.	n.a.	n.a.	12	6	n.a.	n.a.	n.a.	n.a.	387	71
8/26/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	78.5	2.2	n.a.	n.a.	n.a.	n.a.	11	5	n.a.	n.a.	n.a.	n.a.	355	45
9/3/2003	1.6	0.8	1.1	<0.5	7.2	<0.5	117	1.8	8	<1	0.373	0.002	9	5	1.55	0.336	2.2	<0.2	334	74
9/9/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	98.3	3.7	n.a.	n.a.	n.a.	n.a.	10	6	n.a.	n.a.	n.a.	n.a.	373	50
9/16/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	98.9	4.8	n.a.	n.a.	n.a.	n.a.	19	5	n.a.	n.a.	n.a.	n.a.	347	54

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
9/23/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	194	2.2	n.a.	n.a.	n.a.	n.a.	18	7	n.a.	n.a.	n.a.	n.a.	568	41
9/30/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	132	2.1	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	353	53
10/7/2003	1.9	0.9	<0.5	<0.5	6.4	<0.5	71.7	3.1	4	<1	0.418	<0.002	14	7	1.53	0.404	1.7	<0.2	254	47
10/14/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	128	2.2	n.a.	n.a.	n.a.	n.a.	14	7	n.a.	n.a.	n.a.	n.a.	358	37
10/21/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	89.9	2.3	n.a.	n.a.	n.a.	n.a.	10	6	n.a.	n.a.	n.a.	n.a.	253	43
10/28/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	141	1.6	n.a.	n.a.	n.a.	n.a.	18	6	n.a.	n.a.	n.a.	n.a.	276	55
11/4/2003	1.2	<0.5	<0.5	<0.5	1	<0.5	106	2.4	7	<1	0.271	0.00195	17	6	1.43	0.373	2	<0.2	335	46
11/11/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.1	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/18/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.1	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/25/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4.4	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/2/2003	1.9	0.7	<0.5	<0.5	5.6	0.7	109	5.4	7	<1	0.341	0.00202	19	7	1.55	0.363	<0.2	<0.2	294	58
12/9/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4.9	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/16/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/22/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/29/2003	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5.4	n.a.	n.a.	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/6/2004	1.7	1.2	<0.5	<0.5	5.8	<0.5	83	4.8	5	<1	0.237	0.00248	15	6	1.52	0.572	15.1	<0.2	242	64
1/13/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	6.0	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5.4	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/27/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.7	n.a.	n.a.	n.a.	n.a.	n.a.	8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/5/2004	2.1	1.6	<0.5	<0.5	35.3	1.5	144	3.4	8	<1	0.171	0.00246	19	7	1.91	0.737	2.5	<0.2	262	47
2/10/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.2	n.a.	n.a.	n.a.	n.a.	n.a.	7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/17/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.0	n.a.	n.a.	n.a.	n.a.	n.a.	10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/24/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.9	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/2/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/8/2004	2	0.9	<0.5	<0.5	6.6	0.7	96	2.6	8	<1	0.255	0.00229	11	6	2.03	0.602	1.8	<0.2	262	85
3/16/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.7	n.a.	n.a.	n.a.	n.a.	n.a.	7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/23/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.9	n.a.	n.a.	n.a.	n.a.	n.a.	8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/29/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.5	n.a.	n.a.	n.a.	n.a.	n.a.	7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/6/2004	2.6	1	<0.5	<0.5	9.3	0.9	88	3.1	5	<1	0.237	0.00297	17	8	1.96	0.706	4.6	<0.2	223	68
4/13/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.7	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.2	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/27/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.0	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/3/2004	1.7	0.9	<0.5	<0.5	8	0.8	88	2.2	4	1	0.104	0.00225	14	6	2.21	0.605	2.5	<0.2	260	43
5/11/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.5	n.a.	n.a.	n.a.	n.a.	n.a.	9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/18/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.4	n.a.	n.a.	n.a.	n.a.	n.a.	7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/25/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.9	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/26/2004	n.a.	n.a.	<2	<2	11	<2	193	<5	<10	<10	n.a.	n.a.	20	7	n.a.	n.a.	<5	<5	311	55
6/1/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.3	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
6/9/2004	1.1	0.6	<0.5	<0.5	8.8	0.6	133	2.4	8	2	0.309	0.00204	12	6	4.56	0.429	1.9	<0.2	295	36
6/14/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.1	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6/22/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.6	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6/30/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/7/2004	1.6	1.3	<0.5	<0.5	9.2	0.5	132	1.5	6	<1	0.302	0.00268	14	5	2.2	0.356	3.0	<0.2	342	56
7/12/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.8	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	3.2	n.a.	n.a.	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/28/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.7	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/3/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	236	2.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/10/2004	1.3	0.6	<0.5	<0.5	6.6	0.6	85	1.7	6	<1	0.482	0.00239	11	7	1.43	0.316	2.3	<0.2	288	48
8/18/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	105	3.1	n.a.	n.a.	n.a.	n.a.	n.a.	9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/23/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	109	3.6	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/31/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	74	1.6	n.a.	n.a.	n.a.	n.a.	n.a.	8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/8/2004	1.7	0.6	<0.5	<0.5	8.1	0.5	142	2.5	6	<1	0.277	0.00206	12	6	0.653	0.186	3.1	<0.2	292	40
9/15/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	92	2.9	n.a.	n.a.	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	108	2.2	n.a.	n.a.	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/28/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96	1.6	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/4/2004	1.5	0.4	<0.5	<0.5	7.1	0.5	87	1.6	9	<1	0.188	0.00146	9	5	1.946	0.329	1.6	<0.2	294	40
10/12/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	83	1.5	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	76	1.9	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/25/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	87	2.8	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/2/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	99	2.6	n.a.	n.a.	n.a.	n.a.	n.a.	8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/8/2004	1.5	0.6	<0.5	<0.5	9.3	0.7	100	1.9	7	<1	0.233	0.00148	10	5	3.06	0.345	3.7	<0.2	264	41
11/16/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	81	2.6	n.a.	n.a.	n.a.	n.a.	n.a.	11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/17/2004	n.a.	n.a.	0.4	<0.1	5.6	0.6	71.5	2.3	4.7	<0.5	n.a.	n.a.	8.9	8.3	n.a.	n.a.	1.2	<0.5	145	26
11/22/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	71	2.7	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/30/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	99	3.4	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/9/2004	1.7	0.7	<0.5	<0.5	11.5	0.6	85	2.0	6.3	<1	0.304	0.00190	15	6	1.83	0.327	3.6	<0.2	255	62
12/13/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	80	2.1	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/20/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	85	3.0	n.a.	n.a.	n.a.	n.a.	n.a.	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/27/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	79	1.9	n.a.	n.a.	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/4/2005	1.6	0.8	<0.5	<0.5	6.7	0.7	81	2.3	5	1	0.16	0.00254	14	8	1.85	0.484	1.9	<0.2	221	54
1/10/2005	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.5	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/19/2005	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.6	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/24/2005	n.a.	n.a.	n.a.	n.a.	7	n.a.	97	<5	n.a.	n.a.	n.a.	n.a.	14	<5	n.a.	n.a.	n.a.	n.a.	196	56
1/25/2005	n.a.	n.a.	n.a.	n.a.	7	n.a.	103	3.4	n.a.	n.a.	n.a.	n.a.	11	9	n.a.	n.a.	n.a.	n.a.	192	49
1/26/2005	n.a.	n.a.	n.a.	n.a.	6	n.a.	70	<5	n.a.	n.a.	n.a.	n.a.	10	6	n.a.	n.a.	n.a.	n.a.	187	48
1/27/2005	n.a.	n.a.	n.a.	n.a.	9	n.a.	91	<5	11	n.a.	n.a.	n.a.	16	7	n.a.	n.a.	n.a.	n.a.	221	80

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/28/2005	n.a.	n.a.	n.a.	n.a.	6	n.a.	66	<5	n.a.	n.a.	n.a.	n.a.	11	7	n.a.	n.a.	n.a.	n.a.	150	46
2/2/2005	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2.7	n.a.	n.a.	n.a.	n.a.	n.a.	6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/7/2005	2.6	1.1	<0.5	<0.5	7.6	0.9	80	3	6	<1	0.245	0.00211	11	7	1.93	0.542	2.1	<0.2	252	52
2/13/2005	n.a.	n.a.	0.6	n.a.	5.1	n.a.	170	n.a.	6.5	n.a.	0.187	n.a.	10.6	n.a.	n.a.	n.a.	<2.0	n.a.	189	n.a.
2/14/2005	n.a.	n.a.	0.6	n.a.	8.6	n.a.	117	n.a.	5.8	n.a.	0.245	n.a.	15.2	n.a.	n.a.	n.a.	2.5	n.a.	217	n.a.
2/15/2005	n.a.	n.a.	<0.4	n.a.	11.4	n.a.	92.4	3.4	7.4	n.a.	0.254	n.a.	17.6	6	n.a.	n.a.	3.1	n.a.	203	n.a.
2/16/2005	n.a.	n.a.	<0.4	n.a.	9.1	n.a.	77.2	n.a.	5.1	n.a.	0.153	n.a.	15.1	n.a.	n.a.	n.a.	2.1	n.a.	181	n.a.
2/17/2005	n.a.	n.a.	0.5	n.a.	10.3	n.a.	129	n.a.	8.6	n.a.	0.351	n.a.	25.6	n.a.	n.a.	n.a.	3.1	n.a.	263	n.a.
2/18/2005	n.a.	n.a.	<0.4	n.a.	8.4	n.a.	82.1	n.a.	5.4	n.a.	0.234	n.a.	23.1	n.a.	n.a.	n.a.	<2.0	n.a.	172	n.a.
2/19/2005	n.a.	n.a.	<0.4	n.a.	7.1	n.a.	99.1	n.a.	10.3	n.a.	0.282	n.a.	19.1	n.a.	n.a.	n.a.	2.4	n.a.	174	n.a.
2/20/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	71.0	n.a.	4.6	n.a.	0.165	n.a.	10.2	n.a.	n.a.	n.a.	<2.0	n.a.	143	n.a.
2/21/2005	n.a.	n.a.	<0.4	n.a.	8	n.a.	71.1	3.4	4.5	n.a.	0.167	n.a.	11.5	7	n.a.	n.a.	<2.0	n.a.	152	n.a.
2/22/2005	n.a.	n.a.	0.6	n.a.	8	n.a.	75.5	n.a.	4.6	n.a.	0.244	n.a.	12.1	n.a.	n.a.	n.a.	2.4	n.a.	152	n.a.
2/23/2005	n.a.	n.a.	<0.4	n.a.	5.6	n.a.	69.8	n.a.	41.5	n.a.	0.227	n.a.	13.7	n.a.	n.a.	n.a.	3.3	n.a.	145	n.a.
2/24/2005	n.a.	n.a.	<0.4	n.a.	7.2	n.a.	74.4	n.a.	4.6	n.a.	0.342	n.a.	14.6	n.a.	n.a.	n.a.	2.2	n.a.	146	n.a.
2/25/2005	n.a.	n.a.	<0.4	n.a.	6.6	n.a.	78.4	n.a.	4.3	n.a.	0.182	n.a.	13.1	n.a.	n.a.	n.a.	<2.0	n.a.	151	n.a.
2/26/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	74.3	n.a.	13.3	n.a.	0.177	n.a.	15.8	n.a.	n.a.	n.a.	4.4	n.a.	154	n.a.
2/27/2005	n.a.	n.a.	<0.4	n.a.	4.6	n.a.	78.2	n.a.	4.4	n.a.	0.214	n.a.	12.7	n.a.	n.a.	n.a.	<2.0	n.a.	146	n.a.
2/28/2005	n.a.	n.a.	0.5	n.a.	7.3	n.a.	71.3	n.a.	5.6	n.a.	0.25	n.a.	14.4	n.a.	n.a.	n.a.	<2.0	n.a.	167	n.a.
3/1/2005	n.a.	n.a.	0.5	n.a.	8.1	n.a.	79.9	n.a.	14.5	n.a.	0.218	n.a.	25.1	n.a.	n.a.	n.a.	2.6	n.a.	159	n.a.
3/2/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	70.5	2.6	6.2	n.a.	0.173	n.a.	18.6	9	n.a.	n.a.	<2.0	n.a.	143	n.a.
3/3/2005	n.a.	n.a.	<0.4	n.a.	5.7	n.a.	66.5	n.a.	4.0	n.a.	0.261	n.a.	19.7	n.a.	n.a.	n.a.	3.1	n.a.	151	n.a.
3/4/2005	n.a.	n.a.	<0.4	n.a.	5.8	n.a.	74.8	n.a.	8.9	n.a.	0.239	n.a.	17.5	n.a.	n.a.	n.a.	<2.0	n.a.	150	n.a.
3/5/2005	n.a.	n.a.	<0.4	n.a.	4.4	n.a.	81.2	n.a.	7.1	n.a.	0.264	n.a.	17.8	n.a.	n.a.	n.a.	8.5	n.a.	144	n.a.
3/6/2005	n.a.	n.a.	<0.4	n.a.	3.6	n.a.	62.4	n.a.	3.3	n.a.	0.141	n.a.	12.5	n.a.	n.a.	n.a.	<2.0	n.a.	141	n.a.
3/7/2005	n.a.	n.a.	<0.4	n.a.	4.5	n.a.	80.4	n.a.	7.2	n.a.	0.159	n.a.	14.2	n.a.	n.a.	n.a.	<2.0	n.a.	138	n.a.
3/8/2005	1.6	0.9	<0.4	<0.5	5.6	<0.5	83.5	2.8	3.9	<1	0.211	0.0021	15.7	6	1.75	0.586	5.1	<2.0	163	58
3/9/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	78.3	n.a.	4.2	n.a.	0.308	n.a.	13.9	n.a.	n.a.	n.a.	2.3	n.a.	143	n.a.
3/10/2005	n.a.	n.a.	0.4	n.a.	9.9	n.a.	87.2	n.a.	12.2	n.a.	0.285	n.a.	20.5	n.a.	n.a.	n.a.	4.4	n.a.	154	n.a.
3/11/2005	n.a.	n.a.	0.6	n.a.	7.6	n.a.	91.3	n.a.	5.4	n.a.	0.294	n.a.	13.8	n.a.	n.a.	n.a.	2.8	n.a.	174	n.a.
3/12/2005	n.a.	n.a.	<0.4	n.a.	6.1	n.a.	82.7	n.a.	3.7	n.a.	0.211	n.a.	12.5	n.a.	n.a.	n.a.	2.8	n.a.	161	n.a.
3/13/2005	n.a.	n.a.	<0.4	n.a.	4.3	n.a.	92.2	n.a.	6.3	n.a.	0.152	n.a.	10.1	n.a.	n.a.	n.a.	<2.0	n.a.	163	n.a.
3/14/2005	n.a.	n.a.	<0.4	n.a.	6.7	n.a.	86.2	2.6	3.9	n.a.	0.208	n.a.	10.8	5	n.a.	n.a.	2.1	n.a.	155	n.a.
3/15/2005	n.a.	n.a.	<0.4	n.a.	7.0	n.a.	94.9	n.a.	4.5	n.a.	0.277	n.a.	13.9	n.a.	n.a.	n.a.	2.4	n.a.	162	n.a.
3/16/2005	n.a.	n.a.	<0.4	n.a.	7.4	n.a.	95.6	n.a.	8.0	n.a.	0.243	n.a.	15.8	n.a.	n.a.	n.a.	2.3	n.a.	160	n.a.
3/17/2005	n.a.	n.a.	<0.4	n.a.	7.3	n.a.	89.7	n.a.	4.2	n.a.	0.233	n.a.	21.4	n.a.	n.a.	n.a.	2.9	n.a.	176	n.a.
3/18/2005	n.a.	n.a.	<0.4	n.a.	9.2	n.a.	106.9	n.a.	7.3	n.a.	0.305	n.a.	22.2	n.a.	n.a.	n.a.	2.4	n.a.	167	n.a.
3/19/2005	n.a.	n.a.	<0.4	n.a.	6.0	n.a.	86.4	n.a.	7.2	n.a.	0.206	n.a.	15.6	n.a.	n.a.	n.a.	4.7	n.a.	166	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
3/20/2005	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/21/2005	n.a.	n.a.	0.5	n.a.	5.4	n.a.	71.2	n.a.	4.6	n.a.	0.195	n.a.	10.2	n.a.	n.a.	n.a.	3.0	n.a.	181	n.a.
3/22/2005	n.a.	n.a.	0.6	n.a.	6.8	n.a.	78.6	2.6	9.1	n.a.	0.276	n.a.	14.2	6	n.a.	n.a.	2.9	n.a.	173	n.a.
3/23/2005	n.a.	n.a.	<0.4	n.a.	5.7	n.a.	82.5	n.a.	4.2	n.a.	0.305	n.a.	12.0	n.a.	n.a.	n.a.	3.1	n.a.	159	n.a.
3/24/2005	n.a.	n.a.	<0.4	n.a.	6.5	n.a.	81.6	n.a.	4.6	n.a.	0.253	n.a.	12.0	n.a.	n.a.	n.a.	2.1	n.a.	159	n.a.
3/25/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	78.2	n.a.	6.0	n.a.	0.181	n.a.	11.4	n.a.	n.a.	n.a.	2.1	n.a.	157	n.a.
3/26/2005	n.a.	n.a.	<0.4	n.a.	3.6	n.a.	48.6	n.a.	3.3	n.a.	0.147	n.a.	7.3	n.a.	n.a.	n.a.	<2.0	n.a.	137	n.a.
3/27/2005	n.a.	n.a.	<0.4	n.a.	4.2	n.a.	55.8	n.a.	4.0	n.a.	0.149	n.a.	7.9	n.a.	n.a.	n.a.	<2.0	n.a.	153	n.a.
3/28/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	73.7	2.9	3.6	n.a.	0.208	n.a.	9.4	5	n.a.	n.a.	<2.0	n.a.	130	n.a.
3/29/2005	n.a.	n.a.	0.5	n.a.	5.8	n.a.	74.4	n.a.	3.9	n.a.	0.214	n.a.	9.5	n.a.	n.a.	n.a.	<2.0	n.a.	134	n.a.
3/30/2005	n.a.	n.a.	<0.4	n.a.	5.2	n.a.	71.5	n.a.	3.8	n.a.	0.243	n.a.	13.6	n.a.	n.a.	n.a.	3.5	n.a.	141	n.a.
3/31/2005	n.a.	n.a.	<0.4	n.a.	5.8	n.a.	83.2	n.a.	4.6	n.a.	0.292	n.a.	10.7	n.a.	n.a.	n.a.	2.2	n.a.	137	n.a.
4/1/2005	n.a.	n.a.	<0.4	n.a.	7.7	n.a.	81.5	n.a.	4.3	n.a.	0.233	n.a.	11.9	n.a.	n.a.	n.a.	<2.0	n.a.	149	n.a.
4/2/2005	n.a.	n.a.	0.5	n.a.	4.8	n.a.	134	n.a.	5.7	n.a.	0.169	n.a.	13.7	n.a.	n.a.	n.a.	2.5	n.a.	174	n.a.
4/3/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	83.7	n.a.	8.2	n.a.	0.215	n.a.	9.6	n.a.	n.a.	n.a.	<2.0	n.a.	174	n.a.
4/4/2005	n.a.	n.a.	<0.4	n.a.	6.5	n.a.	89	n.a.	5.2	n.a.	0.238	n.a.	11.1	n.a.	n.a.	n.a.	2.1	n.a.	177	n.a.
4/5/2005	n.a.	n.a.	<0.4	n.a.	5.5	n.a.	79.8	n.a.	4.6	n.a.	0.305	n.a.	14	n.a.	n.a.	n.a.	2.9	n.a.	158	n.a.
4/6/2005	1.2	0.7	<0.4	<0.5	5.6	<0.5	84.4	2.8	5.2	<1	0.284	0.00447	12.7	6	1.56	0.653	2.4	<0.2	157	56
4/7/2005	n.a.	n.a.	<0.4	n.a.	6.1	n.a.	112	n.a.	5	n.a.	0.241	n.a.	15.4	n.a.	n.a.	n.a.	2.1	n.a.	160	n.a.
4/8/2005	n.a.	n.a.	<0.4	n.a.	9.1	n.a.	96.9	n.a.	5.2	n.a.	0.238	n.a.	12.5	n.a.	n.a.	n.a.	<2.0	n.a.	200	n.a.
4/9/2005	n.a.	n.a.	0.5	n.a.	4.8	n.a.	84.1	n.a.	4.6	n.a.	0.272	n.a.	18.1	n.a.	n.a.	n.a.	<2.0	n.a.	189	n.a.
4/10/2005	n.a.	n.a.	<0.4	n.a.	3.6	n.a.	86.2	n.a.	3.8	n.a.	0.176	n.a.	9.4	n.a.	n.a.	n.a.	<2.0	n.a.	152	n.a.
4/11/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	82.9	2.5	5	n.a.	0.181	n.a.	11.4	5	n.a.	n.a.	<2.0	n.a.	152	n.a.
4/12/2005	n.a.	n.a.	<0.4	n.a.	5.1	n.a.	87.8	n.a.	5.8	n.a.	0.25	n.a.	11.9	n.a.	n.a.	n.a.	2.4	n.a.	156	n.a.
4/13/2005	n.a.	n.a.	<0.4	n.a.	44.2	n.a.	83.7	n.a.	3.9	n.a.	0.247	n.a.	13.9	n.a.	n.a.	n.a.	2.5	n.a.	154	n.a.
4/14/2005	n.a.	n.a.	<0.4	n.a.	5.8	n.a.	114	n.a.	4.8	n.a.	0.255	n.a.	14.3	n.a.	n.a.	n.a.	2.4	n.a.	155	n.a.
4/15/2005	n.a.	n.a.	<0.4	n.a.	4.6	n.a.	84.6	n.a.	4.7	n.a.	0.264	n.a.	10.9	n.a.	n.a.	n.a.	<2.0	n.a.	156	n.a.
4/16/2005	n.a.	n.a.	<0.4	n.a.	4	n.a.	71.6	n.a.	3.3	n.a.	0.264	n.a.	13.8	n.a.	n.a.	n.a.	<2.0	n.a.	146	n.a.
4/17/2005	n.a.	n.a.	<0.4	n.a.	2.8	n.a.	59.9	n.a.	3.1	n.a.	0.152	n.a.	7.5	n.a.	n.a.	n.a.	<2.0	n.a.	125	n.a.
4/18/2005	n.a.	n.a.	<0.4	n.a.	4.3	n.a.	69.1	n.a.	4.9	n.a.	0.193	n.a.	9.7	n.a.	n.a.	n.a.	<2.0	n.a.	126	n.a.
4/19/2005	n.a.	n.a.	0.5	n.a.	4.3	n.a.	61.6	2.2	4.5	n.a.	0.274	n.a.	10.6	6	n.a.	n.a.	<2.0	n.a.	113	n.a.
4/20/2005	n.a.	n.a.	<0.4	n.a.	7.7	n.a.	63.4	n.a.	6	n.a.	0.323	n.a.	11.1	n.a.	n.a.	n.a.	<2.0	n.a.	131	n.a.
4/21/2005	n.a.	n.a.	<0.4	n.a.	5.5	n.a.	88.9	n.a.	5.2	n.a.	0.350	n.a.	13.6	n.a.	n.a.	n.a.	2.4	n.a.	179	n.a.
4/22/2005	n.a.	n.a.	<0.4	n.a.	4.2	n.a.	68.7	n.a.	3.2	n.a.	0.261	n.a.	14.5	n.a.	n.a.	n.a.	<2.0	n.a.	136	n.a.
4/23/2005	n.a.	n.a.	<0.4	n.a.	3.9	n.a.	85.2	n.a.	2.9	n.a.	0.229	n.a.	13.8	n.a.	n.a.	n.a.	<2.0	n.a.	147	n.a.
4/24/2005	n.a.	n.a.	<0.4	n.a.	3.8	n.a.	71.5	n.a.	3.9	n.a.	0.194	n.a.	14.6	n.a.	n.a.	n.a.	<2.0	n.a.	135	n.a.
4/25/2005	n.a.	n.a.	<0.4	n.a.	4.2	n.a.	85.1	n.a.	5.4	n.a.	0.294	n.a.	9.8	n.a.	n.a.	n.a.	2.1	n.a.	162	n.a.
4/26/2005	n.a.	n.a.	<0.4	n.a.	4.4	n.a.	87.5	n.a.	5.4	n.a.	0.434	n.a.	10.1	n.a.	n.a.	n.a.	2.1	n.a.	166	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
4/27/2005	n.a.	n.a.	<0.4	n.a.	4.4	n.a.	87.6	2.4	5.5	n.a.	0.339	n.a.	10	5	n.a.	n.a.	2.2	n.a.	166	n.a.
4/28/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	85.2	n.a.	5.2	n.a.	0.439	n.a.	17.8	n.a.	n.a.	n.a.	2.0	n.a.	160	n.a.
4/29/2005	n.a.	n.a.	<0.4	n.a.	4.4	n.a.	79.1	n.a.	4.8	n.a.	0.31	n.a.	14.9	n.a.	n.a.	n.a.	<2.0	n.a.	151	n.a.
4/30/2005	n.a.	n.a.	<0.4	n.a.	3.9	n.a.	75.4	n.a.	4.7	n.a.	0.264	n.a.	10.1	n.a.	n.a.	n.a.	<2.0	n.a.	145	n.a.
5/1/2005	n.a.	n.a.	<0.4	n.a.	2.3	n.a.	55.4	n.a.	3.6	n.a.	0.148	n.a.	8.2	n.a.	n.a.	n.a.	<2.0	n.a.	107	n.a.
5/2/2005	n.a.	n.a.	0.7	n.a.	7.1	n.a.	95.5	n.a.	7.4	n.a.	0.274	n.a.	12.4	n.a.	n.a.	n.a.	2.7	n.a.	189	n.a.
5/3/2005	n.a.	n.a.	0.4	n.a.	9	n.a.	108	n.a.	7.9	n.a.	0.267	n.a.	11.2	n.a.	n.a.	n.a.	2.4	n.a.	158	n.a.
5/4/2005	n.a.	n.a.	0.4	n.a.	8.6	n.a.	96.1	n.a.	10	n.a.	0.275	n.a.	14.2	n.a.	n.a.	n.a.	2.2	n.a.	272	n.a.
5/5/2005	1.5	1.1	0.5	<0.5	8.3	<0.5	112	2.9	8.4	<1	0.596	0.00244	12.5	5	2.33	0.626	2.6	<0.2	177	40
5/6/2005	n.a.	n.a.	<0.4	n.a.	9.1	n.a.	115	n.a.	7.4	n.a.	0.294	n.a.	12.8	n.a.	n.a.	n.a.	2.6	n.a.	191	n.a.
5/7/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	87.3	n.a.	5.7	n.a.	0.259	n.a.	10.3	n.a.	n.a.	n.a.	<2.0	n.a.	194	n.a.
5/8/2005	n.a.	n.a.	0.6	n.a.	6.6	n.a.	102	n.a.	6.6	n.a.	0.176	n.a.	16.7	n.a.	n.a.	n.a.	<2.0	n.a.	183	n.a.
5/9/2005	n.a.	n.a.	0.4	n.a.	7.7	n.a.	109	2.3	6.7	n.a.	0.245	n.a.	11.5	5	n.a.	n.a.	2.5	n.a.	187	n.a.
5/10/2005	n.a.	n.a.	0.4	n.a.	8.3	n.a.	118	n.a.	6.4	n.a.	0.305	n.a.	11.8	n.a.	n.a.	n.a.	3.0	n.a.	211	n.a.
5/11/2005	n.a.	n.a.	0.5	n.a.	8.8	n.a.	104	n.a.	10.2	n.a.	0.275	n.a.	11.5	n.a.	n.a.	n.a.	3.2	n.a.	171	n.a.
5/12/2005	n.a.	n.a.	0.6	n.a.	6.4	n.a.	92.9	n.a.	8.2	n.a.	0.310	n.a.	9.8	n.a.	n.a.	n.a.	<2.0	n.a.	156	n.a.
5/13/2005	n.a.	n.a.	0.7	n.a.	11.1	n.a.	131	n.a.	7.6	n.a.	0.358	n.a.	14.1	n.a.	n.a.	n.a.	3.5	n.a.	196	n.a.
5/14/2005	n.a.	n.a.	0.4	n.a.	7.5	n.a.	92.7	n.a.	6.7	n.a.	0.235	n.a.	10.9	n.a.	n.a.	n.a.	<2.0	n.a.	191	n.a.
5/15/2005	n.a.	n.a.	<0.4	n.a.	5.6	n.a.	144	n.a.	6.7	n.a.	0.263	n.a.	9.1	n.a.	n.a.	n.a.	<2.0	n.a.	175	n.a.
5/16/2005	n.a.	n.a.	0.4	n.a.	7.8	n.a.	142	n.a.	9.1	n.a.	0.408	n.a.	11.9	n.a.	n.a.	n.a.	2.1	n.a.	187	n.a.
5/17/2005	n.a.	n.a.	0.7	n.a.	8.3	n.a.	114	2.8	6.3	n.a.	0.299	n.a.	18.3	6	n.a.	n.a.	2.4	n.a.	197	n.a.
5/18/2005	n.a.	n.a.	1.6	n.a.	6.8	n.a.	100	n.a.	6.3	n.a.	0.247	n.a.	29.6	n.a.	n.a.	n.a.	2.2	n.a.	163	n.a.
5/19/2005	n.a.	n.a.	0.5	n.a.	7.7	n.a.	97.1	n.a.	7.7	n.a.	0.312	n.a.	12.3	n.a.	n.a.	n.a.	3.2	n.a.	170	n.a.
5/20/2005	n.a.	n.a.	0.8	n.a.	9.7	n.a.	130	n.a.	9.6	n.a.	0.383	n.a.	18.6	n.a.	n.a.	n.a.	2.9	n.a.	198	n.a.
5/21/2005	n.a.	n.a.	<0.4	n.a.	6	n.a.	85.1	n.a.	4.6	n.a.	0.28	n.a.	10.4	n.a.	n.a.	n.a.	<2.0	n.a.	180	n.a.
5/22/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	75.9	n.a.	3.9	n.a.	0.212	n.a.	9.2	n.a.	n.a.	n.a.	<2.0	n.a.	143	n.a.
5/23/2005	n.a.	n.a.	<0.4	n.a.	9.1	n.a.	96.3	n.a.	4.4	n.a.	0.257	n.a.	9.4	n.a.	n.a.	n.a.	<2.0	n.a.	165	n.a.
5/24/2005	n.a.	n.a.	6.7	n.a.	9.5	n.a.	98.5	n.a.	7.2	n.a.	0.347	n.a.	12.1	n.a.	n.a.	n.a.	2.8	n.a.	175	n.a.
5/25/2005	n.a.	n.a.	8	n.a.	7.8	n.a.	94.9	2.3	6	n.a.	0.23	n.a.	13.8	6	n.a.	n.a.	2.5	n.a.	347	n.a.
5/26/2005	n.a.	n.a.	1	n.a.	7.9	n.a.	117	n.a.	6.3	n.a.	0.283	n.a.	12.3	n.a.	n.a.	n.a.	2.3	n.a.	189	n.a.
5/27/2005	n.a.	n.a.	3.3	n.a.	9.3	n.a.	114	n.a.	5.3	n.a.	0.291	n.a.	13.3	n.a.	n.a.	n.a.	2.2	n.a.	204	n.a.
5/28/2005	n.a.	n.a.	2.5	n.a.	7.9	n.a.	105	n.a.	5.3	n.a.	0.289	n.a.	14.2	n.a.	n.a.	n.a.	<2.0	n.a.	194	n.a.
5/29/2005	n.a.	n.a.	1	n.a.	8.5	n.a.	99.3	n.a.	5.1	n.a.	0.567	n.a.	11.2	n.a.	n.a.	n.a.	<2.0	n.a.	233	n.a.
5/30/2005	n.a.	n.a.	0.6	n.a.	6.7	n.a.	77.1	n.a.	4.1	n.a.	0.234	n.a.	9.1	n.a.	n.a.	n.a.	<2.0	n.a.	195	n.a.
5/31/2005	n.a.	n.a.	1	n.a.	9.7	n.a.	159	n.a.	7	n.a.	0.321	n.a.	17.3	n.a.	n.a.	n.a.	2.7	n.a.	212	n.a.
6/1/2005	n.a.	n.a.	0.6	n.a.	7	n.a.	94.6	2.1	5.3	n.a.	0.282	n.a.	12.4	6.2	n.a.	n.a.	1.5	n.a.	174	n.a.
6/2/2005	n.a.	n.a.	0.6	n.a.	7.2	n.a.	96.5	n.a.	5	n.a.	0.319	n.a.	10.8	n.a.	n.a.	n.a.	1.6	n.a.	172	n.a.
6/3/2005	n.a.	n.a.	0.9	n.a.	9.6	n.a.	137	n.a.	6.5	n.a.	0.45	n.a.	27.9	n.a.	n.a.	n.a.	2.8	n.a.	239	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
6/4/2005	n.a.	n.a.	0.5	n.a.	7.2	n.a.	101	n.a.	4.7	n.a.	0.196	n.a.	14.6	n.a.	n.a.	n.a.	0.9	n.a.	159	n.a.
6/5/2005	n.a.	n.a.	0.4	n.a.	5.6	n.a.	79.5	n.a.	4.3	n.a.	0.169	n.a.	15.1	n.a.	n.a.	n.a.	0.7	n.a.	149	n.a.
6/6/2005	2.6	0.9	0.4	<0.1	7.8	0.6	96.9	2.3	4.7	0.5	0.286	0.00176	10.4	5.9	1.84	0.524	2.7	<0.1	159	23.8
6/7/2005	n.a.	n.a.	0.8	n.a.	16	n.a.	167	n.a.	14.3	n.a.	0.286	n.a.	16.5	n.a.	n.a.	n.a.	20.2	n.a.	276	n.a.
6/8/2005	n.a.	n.a.	1	n.a.	9.5	n.a.	181	n.a.	9.1	n.a.	0.417	n.a.	14.4	n.a.	n.a.	n.a.	3.3	n.a.	211	n.a.
6/9/2005	n.a.	n.a.	0.5	n.a.	7.2	n.a.	117	n.a.	6.6	n.a.	0.226	n.a.	13.2	n.a.	n.a.	n.a.	1.9	n.a.	177	n.a.
6/10/2005	n.a.	n.a.	0.4	n.a.	6.1	n.a.	119	n.a.	9.3	n.a.	0.307	n.a.	11.9	n.a.	n.a.	n.a.	1.7	n.a.	156	n.a.
6/11/2005	n.a.	n.a.	0.4	n.a.	6.1	n.a.	112	n.a.	6.3	n.a.	0.233	n.a.	15.3	n.a.	n.a.	n.a.	1.4	n.a.	171	n.a.
6/12/2005	n.a.	n.a.	0.6	n.a.	7	n.a.	149	n.a.	8	n.a.	0.202	n.a.	10.6	n.a.	n.a.	n.a.	1.1	n.a.	181	n.a.
6/13/2005	n.a.	n.a.	0.5	n.a.	8.4	n.a.	91.4	n.a.	10.2	n.a.	0.269	n.a.	12.7	n.a.	n.a.	n.a.	1.4	n.a.	162	n.a.
6/14/2005	n.a.	n.a.	0.5	n.a.	7.5	n.a.	117	n.a.	6.4	n.a.	0.397	n.a.	11.4	n.a.	n.a.	n.a.	2.2	n.a.	193	n.a.
6/15/2005	n.a.	n.a.	<0.4	n.a.	7.5	n.a.	91.1	2.6	4	n.a.	0.186	n.a.	19.7	6.4	n.a.	n.a.	4.8	n.a.	165	n.a.
6/16/2005	n.a.	n.a.	<0.4	n.a.	7	n.a.	77.2	n.a.	5.5	n.a.	0.219	n.a.	9.9	n.a.	n.a.	n.a.	1.4	n.a.	171	n.a.
6/17/2005	n.a.	n.a.	0.5	n.a.	7.4	n.a.	102	n.a.	17	n.a.	0.319	n.a.	10.5	n.a.	n.a.	n.a.	1.6	n.a.	208	n.a.
6/18/2005	n.a.	n.a.	0.4	n.a.	6.2	n.a.	113	n.a.	4.8	n.a.	0.231	n.a.	11.3	n.a.	n.a.	n.a.	1.4	n.a.	176	n.a.
6/19/2005	n.a.	n.a.	0.5	n.a.	6	n.a.	170	n.a.	6.7	n.a.	0.161	n.a.	9.9	n.a.	n.a.	n.a.	1.2	n.a.	164	n.a.
6/20/2005	n.a.	n.a.	1.2	n.a.	5.5	n.a.	96.1	n.a.	4.4	n.a.	0.227	n.a.	12.2	n.a.	n.a.	n.a.	2	n.a.	144	n.a.
6/21/2005	n.a.	n.a.	0.5	n.a.	7	n.a.	124	3.4	7.1	n.a.	0.276	n.a.	13.4	6.5	n.a.	n.a.	2.6	n.a.	195	n.a.
6/22/2005	n.a.	n.a.	2.1	n.a.	11.6	n.a.	177	n.a.	50	n.a.	0.28	n.a.	17.9	n.a.	n.a.	n.a.	3	n.a.	187	n.a.
6/23/2005	n.a.	n.a.	0.6	n.a.	6.9	n.a.	163	n.a.	13	n.a.	0.247	n.a.	11.8	n.a.	n.a.	n.a.	2.3	n.a.	168	n.a.
6/24/2005	n.a.	n.a.	0.5	n.a.	6.4	n.a.	127	n.a.	7.3	n.a.	0.188	n.a.	10.5	n.a.	n.a.	n.a.	1.8	n.a.	153	n.a.
6/25/2005	n.a.	n.a.	0.4	n.a.	5.8	n.a.	110	n.a.	7	n.a.	0.241	n.a.	9.9	n.a.	n.a.	n.a.	1.3	n.a.	159	n.a.
6/26/2005	n.a.	n.a.	<0.4	n.a.	5	n.a.	112	n.a.	9.3	n.a.	0.191	n.a.	10	n.a.	n.a.	n.a.	0.9	n.a.	148	n.a.
6/27/2005	n.a.	n.a.	<0.4	n.a.	6.4	n.a.	102	2.4	10.6	n.a.	0.3	n.a.	25.8	5.9	n.a.	n.a.	4	n.a.	157	n.a.
6/28/2005	n.a.	n.a.	0.5	n.a.	6.2	n.a.	83.5	n.a.	4.8	n.a.	0.249	n.a.	14.9	n.a.	n.a.	n.a.	1.6	n.a.	141	n.a.
6/29/2005	n.a.	n.a.	0.6	n.a.	6.3	n.a.	92.1	n.a.	6.5	n.a.	0.293	n.a.	10.7	n.a.	n.a.	n.a.	1.5	n.a.	162	n.a.
6/30/2005	n.a.	n.a.	<0.4	n.a.	5.6	n.a.	93.9	n.a.	4.6	n.a.	0.282	n.a.	9.6	n.a.	n.a.	n.a.	1.6	n.a.	139	n.a.
7/1/2005	n.a.	n.a.	0.4	n.a.	5.9	n.a.	95.6	n.a.	4.9	n.a.	0.33	n.a.	11.9	n.a.	n.a.	n.a.	1.3	n.a.	139	n.a.
7/2/2005	n.a.	n.a.	0.6	n.a.	4.1	n.a.	64.3	n.a.	3.4	n.a.	0.147	n.a.	8.4	n.a.	n.a.	n.a.	0.8	n.a.	115	n.a.
7/3/2005	n.a.	n.a.	<0.4	n.a.	4	n.a.	132	n.a.	4.3	n.a.	0.108	n.a.	8.5	n.a.	n.a.	n.a.	0.7	n.a.	120	n.a.
7/4/2005	n.a.	n.a.	<0.4	n.a.	4	n.a.	133	n.a.	4.4	n.a.	0.11	n.a.	8.6	n.a.	n.a.	n.a.	0.7	n.a.	123	n.a.
7/5/2005	1.6	1.1	<0.4	<0.1	5.7	0.5	91.5	1.7	13.1	0.5	0.198	0.00179	8.3	5.1	1.62	0.404	0.7	<0.1	141	27.9
7/6/2005	n.a.	n.a.	0.6	n.a.	8.3	n.a.	131	n.a.	9.1	n.a.	0.275	n.a.	13.5	n.a.	n.a.	n.a.	2.8	n.a.	188	n.a.
7/7/2005	n.a.	n.a.	0.7	n.a.	9	n.a.	119	n.a.	8.4	n.a.	0.298	n.a.	18.4	n.a.	n.a.	n.a.	2.7	n.a.	208	n.a.
7/8/2005	n.a.	n.a.	0.7	n.a.	10.9	n.a.	157	n.a.	8.2	n.a.	0.293	n.a.	55.3	n.a.	n.a.	n.a.	3.7	n.a.	235	n.a.
7/9/2005	n.a.	n.a.	0.4	n.a.	8.4	n.a.	88	n.a.	5.4	n.a.	0.152	n.a.	12.7	n.a.	n.a.	n.a.	1.6	n.a.	205	n.a.
7/10/2005	n.a.	n.a.	0.7	n.a.	6.4	n.a.	97.9	n.a.	5.1	n.a.	0.193	n.a.	12.2	n.a.	n.a.	n.a.	1.8	n.a.	212	n.a.
7/11/2005	n.a.	n.a.	<0.4	n.a.	6.6	n.a.	86.8	n.a.	6.3	n.a.	0.185	n.a.	11.2	n.a.	n.a.	n.a.	1.6	n.a.	177	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
7/12/2005	n.a.	n.a.	0.4	n.a.	7.4	n.a.	102	n.a.	6.3	n.a.	0.286	n.a.	13.5	n.a.	n.a.	n.a.	3.4	n.a.	198	n.a.
7/13/2005	n.a.	n.a.	0.6	n.a.	8.2	n.a.	161	n.a.	10.8	n.a.	0.262	n.a.	15.7	n.a.	n.a.	n.a.	3.7	n.a.	301	n.a.
7/14/2005	n.a.	n.a.	0.5	n.a.	8.7	n.a.	158	n.a.	13.1	n.a.	0.351	n.a.	12.2	n.a.	n.a.	n.a.	3.9	n.a.	210	n.a.
7/15/2005	n.a.	n.a.	0.4	n.a.	6.2	n.a.	121	n.a.	13.9	n.a.	0.396	n.a.	10.3	n.a.	n.a.	n.a.	1.6	n.a.	161	n.a.
7/16/2005	n.a.	n.a.	0.7	n.a.	6.7	n.a.	122	n.a.	5.1	n.a.	0.231	n.a.	11.8	n.a.	n.a.	n.a.	1.4	n.a.	190	n.a.
7/17/2005	n.a.	n.a.	0.4	n.a.	5.9	n.a.	86.4	n.a.	15.1	n.a.	0.294	n.a.	10.3	n.a.	n.a.	n.a.	1	n.a.	189	n.a.
7/18/2005	n.a.	n.a.	0.5	n.a.	7.1	n.a.	140	n.a.	7.2	n.a.	0.288	n.a.	11.8	n.a.	n.a.	n.a.	2.2	n.a.	223	n.a.
7/19/2005	n.a.	n.a.	0.4	n.a.	7.3	n.a.	141	n.a.	8.9	n.a.	0.291	n.a.	10.8	n.a.	n.a.	n.a.	2.3	n.a.	210	n.a.
7/20/2005	n.a.	n.a.	0.4	n.a.	6.9	n.a.	121	n.a.	7	n.a.	0.274	n.a.	10.9	n.a.	n.a.	n.a.	1.8	n.a.	165	n.a.
7/21/2005	n.a.	n.a.	0.5	n.a.	13.7	n.a.	179	n.a.	7.7	n.a.	0.419	n.a.	16.3	n.a.	n.a.	n.a.	3.8	n.a.	209	n.a.
7/22/2005	n.a.	n.a.	0.5	n.a.	8.6	n.a.	129	n.a.	9.8	n.a.	0.258	n.a.	14.6	n.a.	n.a.	n.a.	4.2	n.a.	229	n.a.
7/23/2005	n.a.	n.a.	0.8	n.a.	7.9	n.a.	156	n.a.	8	n.a.	0.217	n.a.	12.1	n.a.	n.a.	n.a.	2	n.a.	216	n.a.
7/24/2005	n.a.	n.a.	<0.4	n.a.	6.1	n.a.	105	n.a.	6.2	n.a.	0.223	n.a.	9.2	n.a.	n.a.	n.a.	1.6	n.a.	174	n.a.
7/25/2005	n.a.	n.a.	0.5	n.a.	12.6	n.a.	187	n.a.	8	n.a.	0.314	n.a.	13.7	n.a.	n.a.	n.a.	2.5	n.a.	197	n.a.
7/26/2005	n.a.	n.a.	0.4	n.a.	7.6	n.a.	138	n.a.	7.2	n.a.	0.397	n.a.	13.2	n.a.	n.a.	n.a.	2.3	n.a.	199	n.a.
7/27/2005	n.a.	n.a.	0.4	n.a.	8	n.a.	136	n.a.	8.2	n.a.	0.291	n.a.	14.9	n.a.	n.a.	n.a.	2.3	n.a.	202	n.a.
7/28/2005	n.a.	n.a.	0.5	n.a.	8.9	n.a.	137	n.a.	8.2	n.a.	1.07	n.a.	12	n.a.	n.a.	n.a.	3.3	n.a.	208	n.a.
7/29/2005	n.a.	n.a.	0.4	n.a.	9.6	n.a.	129	n.a.	5.4	n.a.	0.244	n.a.	11.3	n.a.	n.a.	n.a.	2.3	n.a.	190	n.a.
7/30/2005	n.a.	n.a.	<0.4	n.a.	7.6	n.a.	122	n.a.	4.8	n.a.	0.359	n.a.	9.8	n.a.	n.a.	n.a.	1.5	n.a.	181	n.a.
7/31/2005	n.a.	n.a.	<0.4	n.a.	7	n.a.	97	n.a.	4.2	n.a.	0.187	n.a.	14.5	n.a.	n.a.	n.a.	1	n.a.	214	n.a.
8/1/2005	n.a.	n.a.	0.4	n.a.	6.8	n.a.	95.5	n.a.	7	n.a.	0.273	n.a.	11.7	n.a.	n.a.	n.a.	2.4	n.a.	260	n.a.
8/2/2005	n.a.	n.a.	0.7	n.a.	7.8	n.a.	109	n.a.	9.2	n.a.	0.318	n.a.	13.4	n.a.	n.a.	n.a.	2.7	n.a.	185	n.a.
8/3/2005	n.a.	n.a.	<0.4	n.a.	8.2	n.a.	114	n.a.	17.4	n.a.	0.298	n.a.	13	n.a.	n.a.	n.a.	1.5	n.a.	209	n.a.
8/4/2005	3.1	1.09	1	<0.10	11.4	0.49	109	1.67	7.8	1.35	0.38	0.00192	13.1	6.12	1.87	0.374	2.2	<0.10	183	34.7
8/5/2005	n.a.	n.a.	<0.4	n.a.	11.5	n.a.	112	n.a.	6.4	n.a.	0.263	n.a.	13.5	n.a.	n.a.	n.a.	1.7	n.a.	211	n.a.
8/6/2005	n.a.	n.a.	<0.4	n.a.	7	n.a.	102	n.a.	4.8	n.a.	0.256	n.a.	15.9	n.a.	n.a.	n.a.	1.6	n.a.	229	n.a.
8/7/2005	n.a.	n.a.	<0.4	n.a.	7.1	n.a.	99.2	n.a.	4.7	n.a.	0.25	n.a.	11.1	n.a.	n.a.	n.a.	1.1	n.a.	175	n.a.
8/8/2005	n.a.	n.a.	<0.4	n.a.	9.7	n.a.	115	n.a.	7	n.a.	0.194	n.a.	12	n.a.	n.a.	n.a.	2	n.a.	181	n.a.
8/9/2005	n.a.	n.a.	<0.4	n.a.	10.2	n.a.	107	n.a.	6.4	n.a.	0.218	n.a.	12.7	n.a.	n.a.	n.a.	1.8	n.a.	211	n.a.
8/10/2005	n.a.	n.a.	<0.4	n.a.	9.6	n.a.	128	n.a.	6.2	n.a.	0.169	n.a.	11.3	n.a.	n.a.	n.a.	2.6	n.a.	183	n.a.
8/11/2005	n.a.	n.a.	<0.4	n.a.	8.3	n.a.	107	n.a.	6.4	n.a.	0.261	n.a.	14.3	n.a.	n.a.	n.a.	1.4	n.a.	179	n.a.
8/12/2005	n.a.	n.a.	0.7	n.a.	8.9	n.a.	104	n.a.	8	n.a.	0.285	n.a.	13.9	n.a.	n.a.	n.a.	2	n.a.	200	n.a.
8/13/2005	n.a.	n.a.	<0.4	n.a.	5.2	n.a.	70.9	n.a.	3.4	n.a.	0.264	n.a.	10.5	n.a.	n.a.	n.a.	1.2	n.a.	219	n.a.
8/14/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	91.4	n.a.	4	n.a.	0.182	n.a.	9.8	n.a.	n.a.	n.a.	0.7	n.a.	177	n.a.
8/15/2005	n.a.	n.a.	0.4	n.a.	7.1	n.a.	95.2	n.a.	4.8	n.a.	0.17	n.a.	10.2	n.a.	n.a.	n.a.	1.8	n.a.	141	n.a.
8/16/2005	n.a.	n.a.	0.8	n.a.	7.3	n.a.	78	n.a.	4	n.a.	0.176	n.a.	10.3	n.a.	n.a.	n.a.	1.6	n.a.	154	n.a.
8/17/2005	n.a.	n.a.	0.4	n.a.	8	n.a.	96.5	n.a.	8.1	n.a.	0.25	n.a.	10.2	n.a.	n.a.	n.a.	1.9	n.a.	162	n.a.
8/18/2005	n.a.	n.a.	<0.4	n.a.	8.9	n.a.	95.4	n.a.	6.8	n.a.	0.249	n.a.	11	n.a.	n.a.	n.a.	1.9	n.a.	173	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
8/19/2005	n.a.	n.a.	<0.4	n.a.	8.2	n.a.	115	n.a.	6.8	n.a.	0.268	n.a.	11.7	n.a.	n.a.	n.a.	2.7	n.a.	178	n.a.
8/20/2005	n.a.	n.a.	<0.4	n.a.	6.3	n.a.	92.9	n.a.	4.5	n.a.	0.227	n.a.	9.8	n.a.	n.a.	n.a.	1	n.a.	168	n.a.
8/21/2005	n.a.	n.a.	<0.4	n.a.	7.4	n.a.	96.4	n.a.	4.3	n.a.	0.197	n.a.	10.8	n.a.	n.a.	n.a.	0.8	n.a.	156	n.a.
8/22/2005	n.a.	n.a.	<0.4	n.a.	7.7	n.a.	147	n.a.	5.8	n.a.	0.193	n.a.	11.4	n.a.	n.a.	n.a.	1.9	n.a.	188	n.a.
8/23/2005	n.a.	n.a.	0.6	n.a.	10.6	n.a.	113	n.a.	5.8	n.a.	0.323	n.a.	15.4	n.a.	n.a.	n.a.	2.9	n.a.	190	n.a.
8/24/2005	n.a.	n.a.	0.6	n.a.	7.7	n.a.	83.3	n.a.	5.1	n.a.	0.263	n.a.	9.6	n.a.	n.a.	n.a.	1.9	n.a.	159	n.a.
8/25/2005	n.a.	n.a.	<0.4	n.a.	8.2	n.a.	90.8	n.a.	4.9	n.a.	0.302	n.a.	10.1	n.a.	n.a.	n.a.	2.5	n.a.	162	n.a.
8/26/2005	n.a.	n.a.	<0.4	n.a.	6.5	n.a.	82	n.a.	4.6	n.a.	0.181	n.a.	9.9	n.a.	n.a.	n.a.	2	n.a.	146	n.a.
8/27/2005	n.a.	n.a.	<0.4	n.a.	6.3	n.a.	86.4	n.a.	4	n.a.	0.203	n.a.	10.4	n.a.	n.a.	n.a.	1.3	n.a.	162	n.a.
8/28/2005	n.a.	n.a.	<0.4	n.a.	7.1	n.a.	117	n.a.	12	n.a.	0.214	n.a.	10.1	n.a.	n.a.	n.a.	1.1	n.a.	177	n.a.
8/29/2005	n.a.	n.a.	<0.4	n.a.	8.9	n.a.	137	n.a.	5.3	n.a.	0.183	n.a.	10.4	n.a.	n.a.	n.a.	2.3	n.a.	166	n.a.
8/30/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	87.7	n.a.	5.6	n.a.	0.257	n.a.	10.2	n.a.	n.a.	n.a.	1.4	n.a.	151	n.a.
8/31/2005	n.a.	n.a.	<0.4	n.a.	14.5	n.a.	87.1	n.a.	4.5	n.a.	0.204	n.a.	12.8	n.a.	n.a.	n.a.	1.7	n.a.	154	n.a.
9/1/2005	n.a.	n.a.	0.4	n.a.	12.3	n.a.	120	n.a.	5.2	n.a.	0.355	n.a.	11.6	n.a.	n.a.	n.a.	3.2	n.a.	186	n.a.
9/2/2005	n.a.	n.a.	<0.4	n.a.	8.3	n.a.	102	n.a.	4.8	n.a.	0.216	n.a.	11.1	n.a.	n.a.	n.a.	2.8	n.a.	166	n.a.
9/3/2005	n.a.	n.a.	<0.4	n.a.	6.9	n.a.	78.2	n.a.	3.4	n.a.	0.176	n.a.	10	n.a.	n.a.	n.a.	2.2	n.a.	138	n.a.
9/4/2005	n.a.	n.a.	<0.4	n.a.	7.3	n.a.	92.8	n.a.	5	n.a.	0.172	n.a.	9.8	n.a.	n.a.	n.a.	1.3	n.a.	149	n.a.
9/5/2005	n.a.	n.a.	<0.4	n.a.	9.4	n.a.	113	n.a.	5.5	n.a.	0.285	n.a.	15.4	n.a.	n.a.	n.a.	2	n.a.	176	n.a.
9/6/2005	n.a.	n.a.	0.7	n.a.	7.9	n.a.	95.8	n.a.	4.8	n.a.	0.314	n.a.	12.8	n.a.	n.a.	n.a.	2.2	n.a.	163	n.a.
9/7/2005	2.1	1.9	<0.4	<0.10	10.2	0.5	138	2	6.3	0.47	0.254	0.00197	12.8	6.72	2.15	0.394	3.4	<0.10	203	23.2
9/8/2005	n.a.	n.a.	<0.4	n.a.	5.7	n.a.	81.9	n.a.	4.2	n.a.	0.215	n.a.	9.8	n.a.	n.a.	n.a.	1.3	n.a.	147	n.a.
9/9/2005	n.a.	n.a.	0.5	n.a.	10.7	n.a.	132	n.a.	7.2	n.a.	0.33	n.a.	15.8	n.a.	n.a.	n.a.	2.8	n.a.	202	n.a.
9/10/2005	n.a.	n.a.	<0.4	n.a.	8.5	n.a.	148	n.a.	5.2	n.a.	0.22	n.a.	13.1	n.a.	n.a.	n.a.	2.1	n.a.	221	n.a.
9/11/2005	n.a.	n.a.	<0.4	n.a.	6.9	n.a.	105	n.a.	4	n.a.	0.194	n.a.	9.5	n.a.	n.a.	n.a.	1.3	n.a.	171	n.a.
9/12/2005	n.a.	n.a.	0.9	n.a.	15.5	n.a.	208	n.a.	9.5	n.a.	0.258	n.a.	18.2	n.a.	n.a.	n.a.	4.3	n.a.	248	n.a.
9/13/2005	n.a.	n.a.	<0.4	n.a.	12.4	n.a.	88.4	n.a.	3.6	n.a.	0.298	n.a.	10.3	n.a.	n.a.	n.a.	1.4	n.a.	148	n.a.
9/14/2005	n.a.	n.a.	0.4	n.a.	19.4	n.a.	159	n.a.	5.8	n.a.	0.243	n.a.	18.2	n.a.	n.a.	n.a.	2.4	n.a.	200	n.a.
9/15/2005	n.a.	n.a.	<0.4	n.a.	12.7	n.a.	105	n.a.	5	n.a.	0.206	n.a.	13.1	n.a.	n.a.	n.a.	2.1	n.a.	215	n.a.
9/16/2005	n.a.	n.a.	0.6	n.a.	9.6	n.a.	123	n.a.	5.6	n.a.	0.333	n.a.	11.4	n.a.	n.a.	n.a.	3.1	n.a.	186	n.a.
9/17/2005	n.a.	n.a.	0.9	n.a.	7.2	n.a.	107	n.a.	5.1	n.a.	0.303	n.a.	12.7	n.a.	n.a.	n.a.	1.6	n.a.	176	n.a.
9/18/2005	n.a.	n.a.	0.4	n.a.	6.9	n.a.	101	n.a.	4.2	n.a.	0.149	n.a.	10	n.a.	n.a.	n.a.	1.1	n.a.	188	n.a.
9/19/2005	n.a.	n.a.	<0.4	n.a.	12.7	n.a.	106	n.a.	7.4	n.a.	0.165	n.a.	12.8	n.a.	n.a.	n.a.	1.7	n.a.	258	n.a.
9/20/2005	n.a.	n.a.	<0.4	n.a.	9	n.a.	101	n.a.	5.2	n.a.	0.328	n.a.	11.4	n.a.	n.a.	n.a.	2.7	n.a.	184	n.a.
9/21/2005	n.a.	n.a.	<0.4	n.a.	9.9	n.a.	95.2	n.a.	6.1	n.a.	0.246	n.a.	14.2	n.a.	n.a.	n.a.	2.5	n.a.	193	n.a.
9/22/2005	n.a.	n.a.	0.4	n.a.	6.2	n.a.	90.9	n.a.	5.8	n.a.	0.266	n.a.	10.1	n.a.	n.a.	n.a.	2.3	n.a.	164	n.a.
9/23/2005	n.a.	n.a.	0.5	n.a.	8.4	n.a.	94.6	n.a.	7.8	n.a.	0.289	n.a.	9.8	n.a.	n.a.	n.a.	3	n.a.	160	n.a.
9/24/2005	n.a.	n.a.	0.8	n.a.	10.8	n.a.	125	n.a.	7.4	n.a.	0.248	n.a.	12.7	n.a.	n.a.	n.a.	1.9	n.a.	245	n.a.
9/25/2005	n.a.	n.a.	0.5	n.a.	8.4	n.a.	120	n.a.	4.9	n.a.	0.331	n.a.	12.7	n.a.	n.a.	n.a.	1.4	n.a.	214	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
9/26/2005	n.a.	n.a.	0.5	n.a.	9.6	n.a.	119	n.a.	9.6	n.a.	0.429	n.a.	12.7	n.a.	n.a.	n.a.	2.5	n.a.	221	n.a.
9/27/2005	n.a.	n.a.	<0.4	n.a.	8	n.a.	107	n.a.	13	n.a.	0.306	n.a.	13.1	n.a.	n.a.	n.a.	2.5	n.a.	154	n.a.
9/28/2005	n.a.	n.a.	<0.4	n.a.	7.6	n.a.	85.9	n.a.	5.6	n.a.	0.246	n.a.	10.2	n.a.	n.a.	n.a.	2.4	n.a.	181	n.a.
9/29/2005	n.a.	n.a.	<0.4	n.a.	6.3	n.a.	73.7	n.a.	3.8	n.a.	0.311	n.a.	8.4	n.a.	n.a.	n.a.	2.3	n.a.	138	n.a.
9/30/2005	n.a.	n.a.	<0.4	n.a.	6	n.a.	80.4	n.a.	4.4	n.a.	0.242	n.a.	9.6	n.a.	n.a.	n.a.	2	n.a.	169	n.a.
10/1/2005	n.a.	n.a.	<0.4	n.a.	5.1	n.a.	67.2	n.a.	3.5	n.a.	0.213	n.a.	7.4	n.a.	n.a.	n.a.	1.7	n.a.	143	n.a.
10/2/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	79	n.a.	4	n.a.	0.192	n.a.	7.7	n.a.	n.a.	n.a.	1	n.a.	169	n.a.
10/3/2005	n.a.	n.a.	<0.4	n.a.	7.7	n.a.	119	n.a.	4.7	n.a.	0.225	n.a.	10.5	n.a.	n.a.	n.a.	2.5	n.a.	200	n.a.
10/4/2005	n.a.	n.a.	1.4	n.a.	8.1	n.a.	96.3	n.a.	5.6	n.a.	0.305	n.a.	13.3	n.a.	n.a.	n.a.	3.4	n.a.	157	n.a.
10/5/2005	1.6	1.16	<0.4	<0.10	6.4	0.45	87.3	1.65	4.2	0.5	0.161	0.00202	15.4	5.07	1.56	0.36	2.1	<0.10	155	27.1
10/6/2005	n.a.	n.a.	<0.4	n.a.	6.3	n.a.	83	n.a.	4.5	n.a.	0.241	n.a.	10.2	n.a.	n.a.	n.a.	1.9	n.a.	166	n.a.
10/7/2005	n.a.	n.a.	<0.4	n.a.	9.5	n.a.	110	n.a.	7.3	n.a.	0.237	n.a.	11.6	n.a.	n.a.	n.a.	2.5	n.a.	182	n.a.
10/8/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	74.9	n.a.	2.9	n.a.	0.195	n.a.	9.2	n.a.	n.a.	n.a.	1	n.a.	176	n.a.
10/9/2005	n.a.	n.a.	<0.4	n.a.	5	n.a.	95.1	n.a.	3.4	n.a.	0.223	n.a.	8.7	n.a.	n.a.	n.a.	1.2	n.a.	175	n.a.
10/10/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	87	n.a.	4.8	n.a.	0.212	n.a.	9.6	n.a.	n.a.	n.a.	1.5	n.a.	155	n.a.
10/11/2005	n.a.	n.a.	0.4	n.a.	6	n.a.	82.6	n.a.	4.6	n.a.	0.292	n.a.	8.8	n.a.	n.a.	n.a.	2	n.a.	164	n.a.
10/12/2005	n.a.	n.a.	0.7	n.a.	7.2	n.a.	101	n.a.	11.3	n.a.	0.255	n.a.	13	n.a.	n.a.	n.a.	2.5	n.a.	158	n.a.
10/13/2005	n.a.	n.a.	<0.4	n.a.	6.5	n.a.	122	n.a.	5.7	n.a.	0.256	n.a.	12	n.a.	n.a.	n.a.	2.1	n.a.	173	n.a.
10/14/2005	n.a.	n.a.	<0.4	n.a.	10.7	n.a.	99.3	n.a.	4.6	n.a.	0.295	n.a.	12.7	n.a.	n.a.	n.a.	1.9	n.a.	180	n.a.
10/15/2005	n.a.	n.a.	<0.4	n.a.	9.1	n.a.	126	n.a.	4.9	n.a.	0.259	n.a.	13.8	n.a.	n.a.	n.a.	3.1	n.a.	196	n.a.
10/16/2005	n.a.	n.a.	<0.4	n.a.	6.6	n.a.	95.3	n.a.	4.2	n.a.	0.177	n.a.	9.2	n.a.	n.a.	n.a.	1.4	n.a.	161	n.a.
10/17/2005	n.a.	n.a.	<0.4	n.a.	8.9	n.a.	117	n.a.	6	n.a.	0.261	n.a.	11.4	n.a.	n.a.	n.a.	1.8	n.a.	194	n.a.
10/18/2005	n.a.	n.a.	<0.4	n.a.	7.4	n.a.	103	n.a.	4.8	n.a.	0.287	n.a.	10.7	n.a.	n.a.	n.a.	2.1	n.a.	160	n.a.
10/19/2005	n.a.	n.a.	<0.4	n.a.	9	n.a.	113	n.a.	5.7	n.a.	0.24	n.a.	15.5	n.a.	n.a.	n.a.	2.8	n.a.	181	n.a.
10/20/2005	n.a.	n.a.	0.6	n.a.	7.9	n.a.	110	n.a.	6.8	n.a.	0.251	n.a.	11.9	n.a.	n.a.	n.a.	2.8	n.a.	181	n.a.
10/21/2005	n.a.	n.a.	0.7	n.a.	6.9	n.a.	92.2	n.a.	6.6	n.a.	0.27	n.a.	11.1	n.a.	n.a.	n.a.	2.4	n.a.	185	n.a.
10/22/2005	n.a.	n.a.	0.5	n.a.	6.5	n.a.	91.2	n.a.	5	n.a.	0.446	n.a.	10.5	n.a.	n.a.	n.a.	1.7	n.a.	182	n.a.
10/23/2005	n.a.	n.a.	<0.4	n.a.	6.2	n.a.	93.9	n.a.	4	n.a.	0.238	n.a.	8.9	n.a.	n.a.	n.a.	1.8	n.a.	152	n.a.
10/24/2005	n.a.	n.a.	<0.4	n.a.	8.1	n.a.	104	n.a.	5	n.a.	0.318	n.a.	11.4	n.a.	n.a.	n.a.	2.1	n.a.	172	n.a.
10/25/2005	n.a.	n.a.	0.4	n.a.	11.4	n.a.	104	n.a.	4.6	n.a.	0.275	n.a.	16.5	n.a.	n.a.	n.a.	2.2	n.a.	168	n.a.
10/26/2005	n.a.	n.a.	0.5	n.a.	9.6	n.a.	139	n.a.	7	n.a.	0.241	n.a.	17.4	n.a.	n.a.	n.a.	2.5	n.a.	222	n.a.
10/27/2005	n.a.	n.a.	<0.4	n.a.	7.3	n.a.	116	n.a.	5.6	n.a.	0.27	n.a.	12.3	n.a.	n.a.	n.a.	2.4	n.a.	185	n.a.
10/28/2005	n.a.	n.a.	0.6	n.a.	7.5	n.a.	116	n.a.	6.8	n.a.	0.177	n.a.	14	n.a.	n.a.	n.a.	3	n.a.	165	n.a.
10/29/2005	n.a.	n.a.	0.7	n.a.	6	n.a.	82.5	n.a.	4.6	n.a.	0.204	n.a.	23.9	n.a.	n.a.	n.a.	1.6	n.a.	165	n.a.
10/30/2005	n.a.	n.a.	0.4	n.a.	7	n.a.	122	n.a.	4	n.a.	0.214	n.a.	10.3	n.a.	n.a.	n.a.	1.6	n.a.	189	n.a.
10/31/2005	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	70.2	n.a.	4.2	n.a.	0.228	n.a.	10.9	n.a.	n.a.	n.a.	1.7	n.a.	143	n.a.
11/1/2005	n.a.	n.a.	0.7	n.a.	8.2	n.a.	112	n.a.	5.6	n.a.	0.237	n.a.	14.8	n.a.	n.a.	n.a.	2.4	n.a.	172	n.a.
11/2/2005	n.a.	n.a.	0.5	n.a.	7.7	n.a.	127	n.a.	10.5	n.a.	0.424	n.a.	17.1	n.a.	n.a.	n.a.	2.7	n.a.	172	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
11/3/2005	n.a.	n.a.	0.6	n.a.	6.9	n.a.	92.7	n.a.	8.2	n.a.	0.278	n.a.	13.1	n.a.	n.a.	n.a.	3.4	n.a.	162	n.a.
11/4/2005	n.a.	n.a.	0.4	n.a.	8.1	n.a.	112	n.a.	6.9	n.a.	0.131	n.a.	12	n.a.	n.a.	n.a.	2.2	n.a.	188	n.a.
11/5/2005	n.a.	n.a.	<0.4	n.a.	5.8	n.a.	97	n.a.	3.6	n.a.	0.121	n.a.	9.6	n.a.	n.a.	n.a.	1.5	n.a.	168	n.a.
11/6/2005	n.a.	n.a.	<0.4	n.a.	6.6	n.a.	129	n.a.	4.9	n.a.	0.094	n.a.	10.9	n.a.	n.a.	n.a.	1.9	n.a.	201	n.a.
11/7/2005	2.6	1.26	0.4	<0.10	6.7	0.48	123	1.66	5.2	0.43	0.247	0.00171	14.9	5.44	2.09	0.33	2.5	<0.10	175	36.4
11/8/2005	n.a.	n.a.	0.7	n.a.	10.4	n.a.	139	n.a.	7.2	n.a.	0.35	n.a.	17.2	n.a.	n.a.	n.a.	3.2	n.a.	219	n.a.
11/9/2005	n.a.	n.a.	0.8	n.a.	7.2	n.a.	115	n.a.	7.6	n.a.	0.129	n.a.	44.1	n.a.	n.a.	n.a.	5	n.a.	180	n.a.
11/10/2005	n.a.	n.a.	0.4	n.a.	7.7	n.a.	106	n.a.	5.5	n.a.	0.198	n.a.	23.3	n.a.	n.a.	n.a.	2.5	n.a.	174	n.a.
11/11/2005	n.a.	n.a.	<0.4	n.a.	7.9	n.a.	101	n.a.	4.8	n.a.	0.203	n.a.	11.7	n.a.	n.a.	n.a.	2.1	n.a.	165	n.a.
11/12/2005	n.a.	n.a.	0.4	n.a.	6.1	n.a.	95.8	n.a.	3.7	n.a.	0.193	n.a.	9.6	n.a.	n.a.	n.a.	1.3	n.a.	159	n.a.
11/13/2005	n.a.	n.a.	<0.4	n.a.	4.5	n.a.	65	n.a.	2.8	n.a.	0.157	n.a.	7.7	n.a.	n.a.	n.a.	0.8	n.a.	139	n.a.
11/14/2005	n.a.	n.a.	0.4	n.a.	6.7	n.a.	114	n.a.	4.6	n.a.	0.276	n.a.	18.4	n.a.	n.a.	n.a.	2.2	n.a.	160	n.a.
11/15/2005	n.a.	n.a.	<0.4	n.a.	7	n.a.	108	n.a.	4.9	n.a.	0.217	n.a.	12.7	n.a.	n.a.	n.a.	1.9	n.a.	181	n.a.
11/16/2005	n.a.	n.a.	<0.4	n.a.	8.2	n.a.	104	n.a.	6.3	n.a.	0.298	n.a.	14.4	n.a.	n.a.	n.a.	1.8	n.a.	174	n.a.
11/17/2005	n.a.	n.a.	<0.4	n.a.	6.7	n.a.	91.4	n.a.	4.5	n.a.	0.349	n.a.	11.2	n.a.	n.a.	n.a.	1.8	n.a.	153	n.a.
11/18/2005	n.a.	n.a.	0.7	n.a.	6.9	n.a.	99.7	n.a.	6.1	n.a.	0.21	n.a.	16.2	n.a.	n.a.	n.a.	2	n.a.	164	n.a.
11/19/2005	n.a.	n.a.	0.7	n.a.	5.9	n.a.	86.1	n.a.	6.6	n.a.	0.152	n.a.	11.8	n.a.	n.a.	n.a.	1.8	n.a.	174	n.a.
11/20/2005	n.a.	n.a.	<0.4	n.a.	5	n.a.	101	n.a.	4.9	n.a.	0.259	n.a.	13.3	n.a.	n.a.	n.a.	1.1	n.a.	165	n.a.
11/21/2005	n.a.	n.a.	<0.4	n.a.	6.4	n.a.	95.3	n.a.	4.2	n.a.	0.173	n.a.	10.9	n.a.	n.a.	n.a.	1.5	n.a.	163	n.a.
11/22/2005	n.a.	n.a.	<0.4	n.a.	7	n.a.	99.6	n.a.	5.2	n.a.	0.428	n.a.	11.4	n.a.	n.a.	n.a.	1.8	n.a.	168	n.a.
11/23/2005	n.a.	n.a.	0.4	n.a.	8.6	n.a.	104	n.a.	6.2	n.a.	0.251	n.a.	20.2	n.a.	n.a.	n.a.	2.4	n.a.	211	n.a.
11/24/2005	n.a.	n.a.	<0.4	n.a.	5.7	n.a.	98.9	n.a.	3.4	n.a.	0.176	n.a.	11.5	n.a.	n.a.	n.a.	1.3	n.a.	171	n.a.
11/25/2005	n.a.	n.a.	<0.4	n.a.	4.7	n.a.	73.8	n.a.	3	n.a.	0.177	n.a.	9.4	n.a.	n.a.	n.a.	0.9	n.a.	153	n.a.
11/26/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	110	n.a.	5	n.a.	0.256	n.a.	12.7	n.a.	n.a.	n.a.	2	n.a.	177	n.a.
11/27/2005	n.a.	n.a.	<0.4	n.a.	5.3	n.a.	119	n.a.	3.2	n.a.	0.164	n.a.	10.7	n.a.	n.a.	n.a.	1.1	n.a.	284	n.a.
11/28/2005	n.a.	n.a.	0.8	n.a.	7.2	n.a.	104	n.a.	5	n.a.	0.205	n.a.	11.3	n.a.	n.a.	n.a.	3.1	n.a.	158	n.a.
11/29/2005	n.a.	n.a.	0.7	n.a.	6	n.a.	118	n.a.	6.9	n.a.	0.197	n.a.	12.6	n.a.	n.a.	n.a.	3.3	n.a.	151	n.a.
11/30/2005	n.a.	n.a.	0.4	n.a.	7.6	n.a.	149	n.a.	7.8	n.a.	0.261	n.a.	14.9	n.a.	n.a.	n.a.	3.6	n.a.	171	n.a.
12/1/2005	n.a.	n.a.	<0.4	n.a.	8.9	n.a.	96.6	n.a.	4.5	n.a.	0.274	n.a.	12.2	n.a.	n.a.	n.a.	1.7	n.a.	168	n.a.
12/2/2005	n.a.	n.a.	<0.4	n.a.	5.3	n.a.	85.1	n.a.	4.8	n.a.	0.225	n.a.	12.4	n.a.	n.a.	n.a.	3	n.a.	152	n.a.
12/3/2005	n.a.	n.a.	0.4	n.a.	8.7	n.a.	124	n.a.	3.1	n.a.	0.612	n.a.	12.3	n.a.	n.a.	n.a.	2	n.a.	193	n.a.
12/4/2005	n.a.	n.a.	0.4	n.a.	5.8	n.a.	163	n.a.	3.3	n.a.	0.194	n.a.	11.8	n.a.	n.a.	n.a.	1.4	n.a.	230	n.a.
12/5/2005	n.a.	n.a.	0.8	n.a.	6.5	n.a.	109	n.a.	5.7	n.a.	0.188	n.a.	14.2	n.a.	n.a.	n.a.	2.4	n.a.	171	n.a.
12/6/2005	n.a.	n.a.	0.8	n.a.	6.8	n.a.	89.6	n.a.	4.4	n.a.	0.19	n.a.	12.2	n.a.	n.a.	n.a.	2.3	n.a.	156	n.a.
12/7/2005	3	1.18	1.9	<0.10	8.2	0.54	103	2.02	5.1	0.43	0.213	0.00171	17.9	5.99	2.17	0.33	3.4	<0.10	189	35.9
12/8/2005	n.a.	n.a.	0.5	n.a.	7.7	n.a.	151	n.a.	4.9	n.a.	0.237	n.a.	16.3	n.a.	n.a.	n.a.	2.8	n.a.	182	n.a.
12/9/2005	n.a.	n.a.	<0.4	n.a.	7.6	n.a.	134	n.a.	6.2	n.a.	0.221	n.a.	16.5	n.a.	n.a.	n.a.	2.5	n.a.	194	n.a.
12/10/2005	n.a.	n.a.	<0.4	n.a.	5.3	n.a.	97.6	n.a.	4.2	n.a.	0.216	n.a.	10.2	n.a.	n.a.	n.a.	1	n.a.	178	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
12/11/2005	n.a.	n.a.	<0.4	n.a.	5.3	n.a.	84.9	n.a.	3.9	n.a.	0.191	n.a.	8.6	n.a.	n.a.	n.a.	0.8	n.a.	162	n.a.
12/12/2005	n.a.	n.a.	0.5	n.a.	8.1	n.a.	136	n.a.	6	n.a.	0.268	n.a.	11.5	n.a.	n.a.	n.a.	3.3	n.a.	182	n.a.
12/13/2005	n.a.	n.a.	0.8	n.a.	8	n.a.	111	n.a.	5.8	n.a.	0.354	n.a.	14.6	n.a.	n.a.	n.a.	3.1	n.a.	190	n.a.
12/14/2005	n.a.	n.a.	0.4	n.a.	9.8	n.a.	117	n.a.	6.3	n.a.	0.242	n.a.	12.4	n.a.	n.a.	n.a.	2.8	n.a.	155	n.a.
12/15/2005	n.a.	n.a.	<0.4	n.a.	7.6	n.a.	117	n.a.	5.1	n.a.	0.228	n.a.	12	n.a.	n.a.	n.a.	4.2	n.a.	168	n.a.
12/16/2005	n.a.	n.a.	<0.4	n.a.	7.2	n.a.	117	n.a.	5.9	n.a.	0.274	n.a.	9.8	n.a.	n.a.	n.a.	4.8	n.a.	155	n.a.
12/17/2005	n.a.	n.a.	<0.4	n.a.	14	n.a.	180	n.a.	4.4	n.a.	0.257	n.a.	10.9	n.a.	n.a.	n.a.	2.4	n.a.	176	n.a.
12/18/2005	n.a.	n.a.	<0.4	n.a.	8.1	n.a.	140	n.a.	10.1	n.a.	0.21	n.a.	13	n.a.	n.a.	n.a.	1.7	n.a.	171	n.a.
12/19/2005	n.a.	n.a.	0.4	n.a.	10	n.a.	215	n.a.	6.6	n.a.	0.195	n.a.	18.5	n.a.	n.a.	n.a.	3.3	n.a.	179	n.a.
12/20/2005	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	117	n.a.	5.5	n.a.	0.217	n.a.	11.8	n.a.	n.a.	n.a.	2.1	n.a.	155	n.a.
12/21/2005	n.a.	n.a.	<0.4	n.a.	10.7	n.a.	154	n.a.	7.4	n.a.	0.193	n.a.	13.6	n.a.	n.a.	n.a.	3.8	n.a.	164	n.a.
12/22/2005	n.a.	n.a.	0.7	n.a.	9.2	n.a.	104	n.a.	5.7	n.a.	0.144	n.a.	13.7	n.a.	n.a.	n.a.	2.4	n.a.	158	n.a.
12/23/2005	n.a.	n.a.	<0.4	n.a.	7.4	n.a.	104	n.a.	4	n.a.	0.206	n.a.	14.2	n.a.	n.a.	n.a.	2.3	n.a.	164	n.a.
12/24/2005	n.a.	n.a.	<0.4	n.a.	6.8	n.a.	96.4	n.a.	3.6	n.a.	0.176	n.a.	11.4	n.a.	n.a.	n.a.	2.1	n.a.	156	n.a.
12/25/2005	n.a.	n.a.	<0.4	n.a.	6	n.a.	82.2	n.a.	2.9	n.a.	0.12	n.a.	9.2	n.a.	n.a.	n.a.	1.7	n.a.	153	n.a.
12/26/2005	n.a.	n.a.	<0.4	n.a.	9.2	n.a.	93	n.a.	4.3	n.a.	0.183	n.a.	13.8	n.a.	n.a.	n.a.	2.7	n.a.	165	n.a.
12/27/2005	n.a.	n.a.	<0.4	n.a.	7.8	n.a.	115	n.a.	4.4	n.a.	0.299	n.a.	13.4	n.a.	n.a.	n.a.	3.3	n.a.	160	n.a.
12/28/2005	n.a.	n.a.	<0.4	n.a.	7.3	n.a.	103	n.a.	4.2	n.a.	0.254	n.a.	13.2	n.a.	n.a.	n.a.	2	n.a.	157	n.a.
12/29/2005	n.a.	n.a.	0.7	n.a.	8.7	n.a.	121	n.a.	5.6	n.a.	0.213	n.a.	11.7	n.a.	n.a.	n.a.	2.6	n.a.	164	n.a.
12/30/2005	n.a.	n.a.	<0.4	n.a.	5.7	n.a.	116	n.a.	3.8	n.a.	0.172	n.a.	11.4	n.a.	n.a.	n.a.	1.9	n.a.	163	n.a.
12/31/2005	n.a.	n.a.	<0.4	n.a.	7.5	n.a.	125	n.a.	5.2	n.a.	0.3	n.a.	12.6	n.a.	n.a.	n.a.	2.1	n.a.	175	n.a.
1/5/2006	2.5	1.33	0.6	<0.10	10.8	0.45	109	3.01	5.0	1.36	0.230	0.00172	15.2	5.56	1.89	0.41	3.6	<0.10	160	40.7
2/6/2006	3.3	1.12	1.1	<0.10	9.0	0.52	111	4.26	9.5	1.05	0.238	0.00238	20.6	6.65	2.13	0.37	3.4	<0.10	194	31.3
3/7/2006	2.6	1.46	0.8	<0.10	7.0	0.53	113.0	2.46	8.0	0.84	0.216	0.00172	16.2	7.18	2.13	0.48	2.6	<0.10	173	27.7
4/5/2006	2.7	1.8	<0.4	<0.10	6.7	0.54	84.6	2.09	4.2	0.48	0.172	0.00172	27.6	5.87	2.53	1.18	1.5	<0.10	120	23.5
5/4/2006	2.0	1.18	<0.4	<0.10	14.4	1.09	108	3.79	4.0	0.20	0.304	0.00156	16.1	8.19	1.96	0.52	3.2	<0.10	180	25.5
6/5/2006	2.0	1.27	<0.4	<0.10	8.3	0.65	99.4	1.97	7.0	0.30	0.170	0.00145	11.5	7.43	3.70	0.47	2.6	<0.10	153	24.8
7/6/2006	1.9	1.02	<0.4	<0.10	9.7	0.67	103	2.75	10.5	0.47	0.280	0.00133	13.3	6.11	1.98	0.36	3.8	<0.10	169	27.2
8/7/2006	3.8	1.67	1.4	<0.10	10.3	0.54	104	2.01	6.9	0.28	0.179	0.00126	13.7	5.85	1.89	0.37	2.6	<0.10	195	29.7
9/7/2006	3.8	1.30	1.2	<0.10	6.3	0.57	63.5	1.99	3.8	0.48	0.0637	0.00135	8.4	5.92	1.02	0.22	1.7	<0.10	90.7	26.9
10/4/2006	2.4	1.04	1.2	<0.10	12.6	0.61	95.5	2.28	6.5	0.27	0.286	0.00117	16.3	7.17	1.57	0.28	10.2	<0.10	192	30.1
10/18/2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.172	0.00464	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/19/2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.227	0.00451	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/20/2006	n.a.	n.a.	<0.4	n.a.	13.1	n.a.	166	3.61	6.5	n.a.	0.378	0.00648	14.8	5.69	n.a.	n.a.	4.3	n.a.	252	n.a.
10/21/2006	n.a.	n.a.	<0.4	n.a.	10.3	n.a.	151	3.92	6.2	n.a.	0.238	0.00436	14.9	7.27	n.a.	n.a.	2.2	n.a.	248	n.a.
10/22/2006	n.a.	n.a.	0.5	n.a.	10.4	n.a.	164	4.17	6.2	n.a.	0.281	0.00668	13.6	6.93	n.a.	n.a.	2.8	n.a.	266	n.a.
10/23/2006	n.a.	n.a.	<0.4	n.a.	13.1	n.a.	164	4.75	10.8	n.a.	0.389	0.00513	16.7	6.47	n.a.	n.a.	3.7	n.a.	299	n.a.
10/24/2006	n.a.	n.a.	<0.4	n.a.	8.5	n.a.	131	4.65	5.8	n.a.	0.22	0.00473	14.1	7.36	n.a.	n.a.	3.6	n.a.	209	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
10/25/2006	n.a.	n.a.	<0.4	n.a.	5.9	n.a.	87.3	3.87	4.4	n.a.	0.295	0.00556	10.1	6.25	n.a.	n.a.	1.7	n.a.	139	n.a.
10/26/2006	n.a.	n.a.	<0.4	n.a.	7.2	n.a.	115	4.14	4.5	n.a.	0.289	0.00656	10.5	6.24	n.a.	n.a.	1.9	n.a.	167	n.a.
10/27/2006	n.a.	n.a.	<0.4	n.a.	7.5	n.a.	102	4.02	4.7	n.a.	0.265	0.00667	14.6	6.31	n.a.	n.a.	1.6	n.a.	176	n.a.
10/28/2006	n.a.	n.a.	<0.4	n.a.	6.7	n.a.	96.9	4.39	4.0	n.a.	0.406	0.00534	10.0	6.50	n.a.	n.a.	1.2	n.a.	170	n.a.
10/29/2006	n.a.	n.a.	<0.4	n.a.	6.3	n.a.	87.9	4.08	3.1	n.a.	0.408	0.00510	8.6	6.08	n.a.	n.a.	1.0	n.a.	158	n.a.
10/30/2006	n.a.	n.a.	<0.4	n.a.	6.6	n.a.	96.4	3.83	3.9	n.a.	0.231	0.00544	10.4	5.53	n.a.	n.a.	1.7	n.a.	174	n.a.
10/31/2006	n.a.	n.a.	<0.4	n.a.	6.4	n.a.	96.0	4.61	3.9	n.a.	0.32	0.0178	11.0	6.05	n.a.	n.a.	2.8	n.a.	159	n.a.
11/1/2006	n.a.	n.a.	<0.4	n.a.	8.0	n.a.	110	4.35	4.6	n.a.	0.313	0.0218	12.0	5.46	n.a.	n.a.	2.3	n.a.	166	n.a.
11/2/2006	n.a.	n.a.	<0.4	n.a.	12.0	n.a.	84.7	4.31	4.5	n.a.	0.221	0.00612	12.8	5.60	n.a.	n.a.	1.0	n.a.	205	n.a.
11/3/2006	n.a.	n.a.	<0.4	n.a.	8.6	n.a.	133	5.29	6.0	n.a.	0.257	0.00685	17.3	6.52	n.a.	n.a.	1.8	n.a.	207	n.a.
11/4/2006	n.a.	n.a.	<0.4	n.a.	5.4	n.a.	105	3.84	4.0	n.a.	0.253	0.00708	9.9	6.33	n.a.	n.a.	1.6	n.a.	182	n.a.
11/5/2006	n.a.	n.a.	<0.4	n.a.	4.8	n.a.	95.1	4.01	3.5	n.a.	0.245	0.00673	7.2	5.95	n.a.	n.a.	0.9	n.a.	157	n.a.
11/6/2006	3.2	2.27	0.8	<0.10	6.7	0.88	94.7	4.31	4.2	0.50	0.264	0.00554	15.1	6.76	2.01	0.38	1.8	0.12	180	26.4
11/7/2006	n.a.	n.a.	<0.4	n.a.	6.0	n.a.	104	4.42	4.1	n.a.	0.369	0.00912	17.0	7.73	n.a.	n.a.	3.2	n.a.	177	n.a.
11/8/2006	n.a.	n.a.	<0.4	n.a.	7.2	n.a.	118	4.11	3.8	n.a.	0.228	0.00531	14.7	7.74	n.a.	n.a.	2.9	n.a.	177	n.a.
11/9/2006	n.a.	n.a.	0.5	n.a.	16.1	n.a.	109	5.01	7.5	n.a.	0.349	0.00516	15.0	6.98	n.a.	n.a.	2.8	n.a.	232	n.a.
11/10/2006	n.a.	n.a.	<0.4	n.a.	9.0	n.a.	118	4.69	6.3	n.a.	0.219	0.00483	11.8	7.83	n.a.	n.a.	2.1	n.a.	205	n.a.
11/11/2006	n.a.	n.a.	<0.4	n.a.	5.8	n.a.	94.8	4.68	3.6	n.a.	0.25	0.00723	16.3	9.50	n.a.	n.a.	1.3	n.a.	176	n.a.
11/12/2006	n.a.	n.a.	<0.4	n.a.	5.2	n.a.	112	4.21	6.0	n.a.	0.221	0.00599	10.6	8.17	n.a.	n.a.	1.3	n.a.	195	n.a.
11/13/2006	n.a.	n.a.	<0.4	n.a.	8.0	n.a.	102	4.48	4.8	n.a.	0.349	0.0108	9.5	6.22	n.a.	n.a.	2.6	n.a.	190	n.a.
11/14/2006	n.a.	n.a.	<0.4	n.a.	6.5	n.a.	85.0	4.51	4.5	n.a.	0.268	0.0053	10.3	6.37	n.a.	n.a.	1.6	n.a.	164	n.a.
11/15/2006	n.a.	n.a.	<0.4	n.a.	7.2	n.a.	95.1	5.2	4.0	n.a.	0.226	0.00467	11.0	6.56	n.a.	n.a.	1.5	n.a.	181	n.a.
11/16/2006	n.a.	n.a.	<0.4	n.a.	12.4	n.a.	110	4.93	4.8	n.a.	0.202	0.00692	15.9	6.44	n.a.	n.a.	1.8	n.a.	201	n.a.
11/17/2006	n.a.	n.a.	<0.4	n.a.	10.7	n.a.	116	4.77	4.5	n.a.	0.277	0.00781	13.8	6.85	n.a.	n.a.	1.6	n.a.	178	n.a.
11/18/2006	n.a.	n.a.	0.5	n.a.	6.7	n.a.	82.6	4.49	3.6	n.a.	0.251	0.00585	12.5	6.75	n.a.	n.a.	1.3	n.a.	174	n.a.
11/19/2006	n.a.	n.a.	<0.4	n.a.	5.1	n.a.	76.2	4.27	3.1	n.a.	0.157	0.00447	8.4	5.96	n.a.	n.a.	1.0	n.a.	155	n.a.
11/20/2006	n.a.	n.a.	<0.4	n.a.	6.4	n.a.	63.0	4.68	3.4	n.a.	0.181	0.00626	9.2	5.89	n.a.	n.a.	1.4	n.a.	125	n.a.
12/5/2006	2.6	1.01	<0.4	<0.10	12.4	3.02	133.0	2.33	9.2	0.28	0.219	0.00154	15.2	5.94			2.6	<0.10	192	26.2
1/2/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96.2	2.62	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/3/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	72.3	3.05	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/4/2007	1.73	1.54	0.25	<0.10	8.51	0.92	108	9.54	5.63	0.52	0.240	0.00212	16.1	6.14	2.42	0.388	2.88	<0.10	194	68.6
1/5/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	84.3	2.81	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/6/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	59.5	2.35	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1/31/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.316	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/5/2007	2.26	0.86	0.30	<0.10	15.0	1.10	120	2.27	4.97	0.22	0.264	0.00170	14.2	5.99	2.63	0.305	2.49	<0.10	223	27.6
2/7/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.223	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/14/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.233	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/20/2007	n.a.	n.a.	n.a.	n.a.	n.a.	1.85	n.a.	3.66	n.a.	n.a.	n.a.	n.a.	n.a.	6.12	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2/21/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.164	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/27/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.66	n.a.	3.15	n.a.	n.a.	n.a.	n.a.	n.a.	6.87	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2/28/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.126	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/4/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8.55	6.29	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/5/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	42.9	10.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/6/2007	3.20	1.17	0.47	<0.10	8.79	0.49	119	3.05	12.3	0.29	0.219	0.00204	22.4	12.3	2.14	0.408	3.55	<0.10	227	43.0
3/7/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.260	n.a.	16.1	10.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/8/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	17.3	9.12	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/13/2007	n.a.	n.a.	n.a.	n.a.	n.a.	1.70	n.a.	3.70	n.a.	n.a.	n.a.	n.a.	n.a.	9.36	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/14/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.281	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/20/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.66	n.a.	5.47	n.a.	n.a.	n.a.	n.a.	n.a.	8.45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/21/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.502	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/27/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.53	n.a.	2.55	n.a.	n.a.	n.a.	n.a.	n.a.	6.46	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3/28/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.294	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/3/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.60	n.a.	2.91	n.a.	n.a.	n.a.	n.a.	n.a.	6.94	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/4/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.332	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/5/2007	4.58	1.18	2.94	<0.10	8.72	0.56	131	2.50	6.32	0.33	0.311	0.00190	15.6	7.41	3.21	0.415	4.39	<0.10	238	37.8
4/10/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.55	n.a.	2.82	n.a.	n.a.	n.a.	n.a.	n.a.	6.67	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/11/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.174	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/17/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.52	n.a.	2.43	n.a.	n.a.	n.a.	n.a.	n.a.	7.11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/18/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1.14	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/24/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.52	n.a.	2.22	n.a.	n.a.	n.a.	n.a.	n.a.	7.20	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4/25/2007	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.357	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/1/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.50	n.a.	2.27	n.a.	n.a.	n.a.	n.a.	n.a.	5.63	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/2/2007	2.32	1.09	0.67	<0.10	22.7	0.97	80.9	2.45	3.69	0.25	0.240	0.00178	9.90	5.73	1.69	0.388	2.11	<0.10	205	23.0
5/8/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.56	n.a.	2.15	n.a.	n.a.	n.a.	n.a.	n.a.	7.31	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/9/2007	n.a.	1.19	n.a.	<0.10	n.a.	0.68	n.a.	2.55	n.a.	0.25	0.261	0.00180	n.a.	6.64	n.a.	0.449	n.a.	<0.10	n.a.	24.8
5/10/2007	n.a.	1.41	n.a.	<0.10	n.a.	0.84	n.a.	2.37	n.a.	0.25	n.a.	0.00184	n.a.	5.99	n.a.	0.431	n.a.	<0.10	n.a.	21.3
5/11/2007	n.a.	1.46	n.a.	<0.10	n.a.	0.90	n.a.	2.46	n.a.	0.25	n.a.	0.00178	n.a.	6.53	n.a.	0.473	n.a.	<0.10	n.a.	22.9
5/12/2007	n.a.	1.36	n.a.	<0.10	n.a.	0.68	n.a.	2.40	n.a.	0.47	n.a.	0.00204	n.a.	6.58	n.a.	0.472	n.a.	<0.10	n.a.	31.8
5/13/2007	n.a.	1.30	n.a.	<0.10	n.a.	1.37	n.a.	2.64	n.a.	0.25	n.a.	0.00201	n.a.	8.46	n.a.	0.465	n.a.	<0.10	n.a.	28.2
5/14/2007	n.a.	0.97	n.a.	<0.10	n.a.	0.57	n.a.	2.44	n.a.	0.20	n.a.	0.00198	n.a.	6.72	n.a.	0.433	n.a.	<0.10	n.a.	23.8
5/15/2007	n.a.	0.99	n.a.	<0.10	n.a.	0.57	n.a.	2.74	n.a.	0.28	n.a.	0.00171	n.a.	6.57	n.a.	0.450	n.a.	<0.10	n.a.	26.2
5/22/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.75	n.a.	2.42	n.a.	n.a.	n.a.	n.a.	n.a.	6.12	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5/29/2007	n.a.	1.12	n.a.	<0.10	n.a.	0.62	n.a.	2.59	n.a.	0.69	n.a.	n.a.	n.a.	5.78	n.a.	n.a.	n.a.	<0.10	n.a.	29.6
5/31/2007	n.a.	1.11	n.a.	<0.10	n.a.	0.56	n.a.	2.62	n.a.	0.26	n.a.	n.a.	n.a.	5.76	n.a.	n.a.	n.a.	<0.10	n.a.	24.4
6/5/2007	3.03	1.12	0.76	<0.10	6.28	0.57	124	2.30	7.51	0.80	0.0926	0.00201	27.9	8.16	n.a.	n.a.	1.99	<0.10	175	24.0
6/12/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.78	n.a.	2.83	n.a.	n.a.	n.a.	n.a.	n.a.	7.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
6/19/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.61	n.a.	2.72	n.a.	n.a.	n.a.	n.a.	n.a.	5.77	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6/26/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.67	n.a.	2.66	n.a.	n.a.	n.a.	n.a.	n.a.	5.47	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/2/2007	2.61	1.05	0.25	<0.10	6.56	0.80	88.2	2.42	4.60	0.24	0.246	0.00392	20.9	5.25	1.82	0.353	1.38	<0.10	159	26.7
7/3/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.85	n.a.	2.23	n.a.	n.a.	n.a.	n.a.	n.a.	6.95	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/10/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.72	n.a.	2.27	n.a.	n.a.	n.a.	n.a.	n.a.	5.42	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/17/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.55	n.a.	2.53	n.a.	n.a.	n.a.	n.a.	n.a.	5.85	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/24/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.59	n.a.	3.05	n.a.	n.a.	n.a.	n.a.	n.a.	6.77	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/31/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.50	n.a.	2.23	n.a.	n.a.	n.a.	n.a.	n.a.	5.36	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/7/2007	2.12	1.13	0.25	<0.10	5.36	0.53	98.0	2.45	5.93	0.27	0.294	0.00210	9.78	6.90	1.80	0.336	1.47	<0.10	216	26.6
8/14/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.55	n.a.	2.13	n.a.	n.a.	n.a.	n.a.	n.a.	6.64	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/21/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.56	n.a.	2.76	n.a.	n.a.	n.a.	n.a.	n.a.	7.29	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8/28/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.42	n.a.	2.20	n.a.	n.a.	n.a.	n.a.	n.a.	5.33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/4/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.53	n.a.	1.82	n.a.	n.a.	n.a.	n.a.	n.a.	4.78	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/5/2007	2.40	1.29	0.32	<0.10	6.40	0.46	126	2.05	4.12	0.15	0.189	0.00128	9.72	5.31	1.54	0.296	8.57	<0.10	153	24.6
9/11/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.45	n.a.	1.86	n.a.	n.a.	n.a.	n.a.	n.a.	5.10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/18/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.58	n.a.	2.04	n.a.	n.a.	n.a.	n.a.	n.a.	6.24	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9/25/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.51	n.a.	2.28	n.a.	n.a.	n.a.	n.a.	n.a.	6.29	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/2/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.58	n.a.	1.99	n.a.	n.a.	n.a.	n.a.	n.a.	6.87	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/3/2007	2.15	1.28	0.39	<0.10	5.40	0.53	99.1	2.13	4.67	0.40	0.396	0.00185	10.8	7.07	3.74	0.379	2.09	<0.10	183	22.1
10/9/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.45	n.a.	1.95	n.a.	n.a.	n.a.	n.a.	n.a.	5.65	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/16/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.51	n.a.	1.99	n.a.	n.a.	n.a.	n.a.	n.a.	5.21	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/23/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.52	n.a.	2.31	n.a.	n.a.	n.a.	n.a.	n.a.	5.27	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10/30/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.59	n.a.	2.23	n.a.	n.a.	n.a.	n.a.	n.a.	5.52	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/6/2007	2.45	0.8	0.56	<0.10	7.2	0.47	172	2.29	7.17	0.50	0.180	0.00277	14.5	5.32	1.26	0.326	3.04	<0.10	174	28.4
11/13/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.52	n.a.	2.30	n.a.	n.a.	n.a.	n.a.	n.a.	5.25	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/20/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.54	n.a.	2.28	n.a.	n.a.	n.a.	n.a.	n.a.	5.41	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11/27/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.52	n.a.	3.16	n.a.	n.a.	n.a.	n.a.	n.a.	5.53	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/5/2007	2.22	1.21	<0.40	<0.10	5.45	0.69	70.6	3.65	4.89	0.30	0.103	0.00471	9.06	5.27	2.04	0.344	2.99	<0.10	229	25.1
12/11/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.72	n.a.	2.20	n.a.	n.a.	n.a.	n.a.	n.a.	5.16	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/17/2007	n.a.	n.a.	n.a.	n.a.	5.34	0.58	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/18/2007	n.a.	n.a.	n.a.	n.a.	n.a.	1.31	n.a.	2.46	n.a.	n.a.	n.a.	n.a.	n.a.	6.80	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/19/2007	n.a.	n.a.	n.a.	n.a.	5.70	1.82	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/20/2007	n.a.	n.a.	n.a.	n.a.	7.43	0.88	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/21/2007	n.a.	n.a.	n.a.	n.a.	8.96	0.66	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/22/2007	n.a.	n.a.	n.a.	n.a.	5.87	0.68	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/23/2007	n.a.	n.a.	n.a.	n.a.	4.89	0.49	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/24/2007	n.a.	n.a.	n.a.	n.a.	5.52	0.45	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12/25/2007	n.a.	n.a.	n.a.	n.a.	n.a.	0.60	n.a.	2.15	n.a.	n.a.	n.a.	n.a.	n.a.	5.11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

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Appendix II

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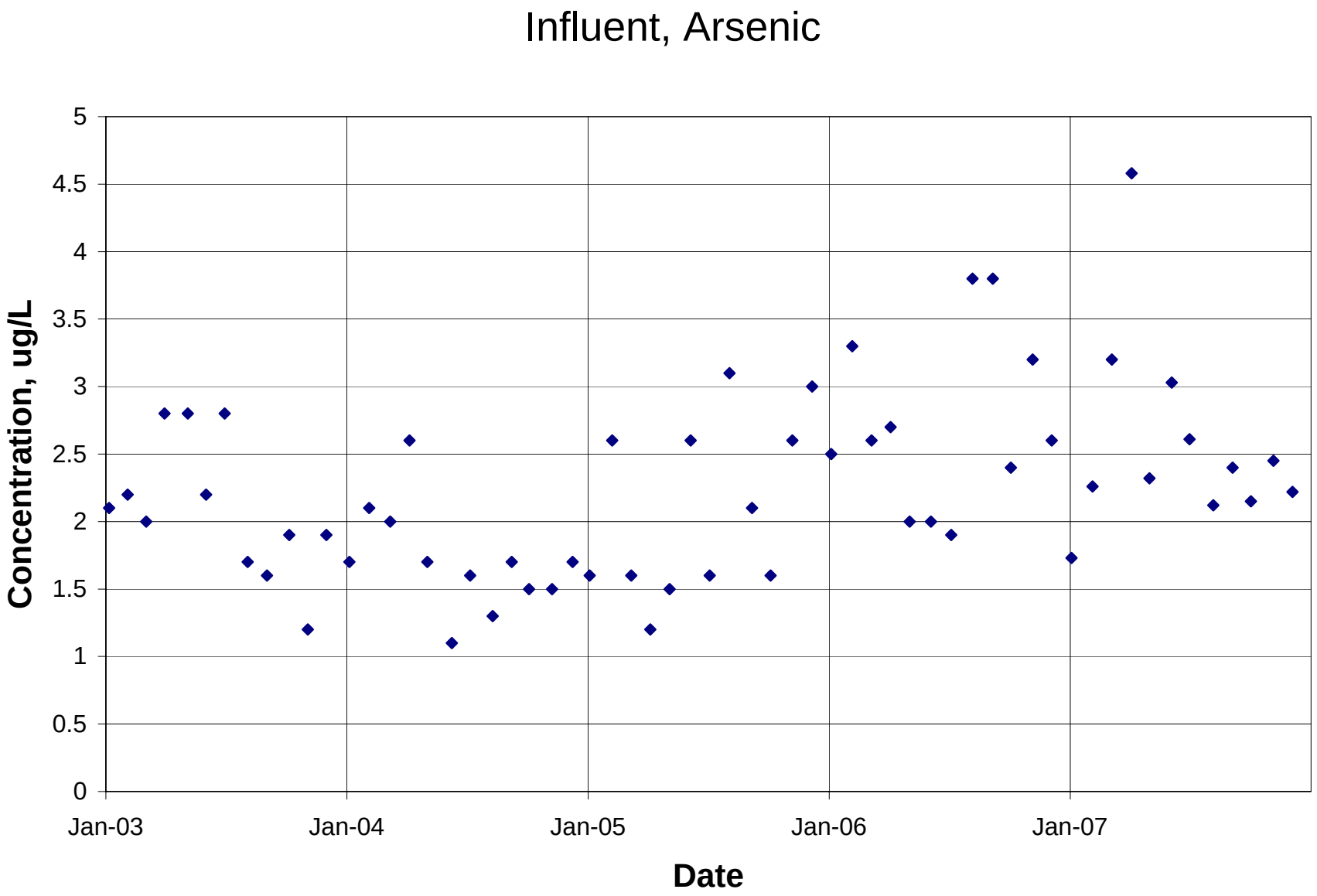
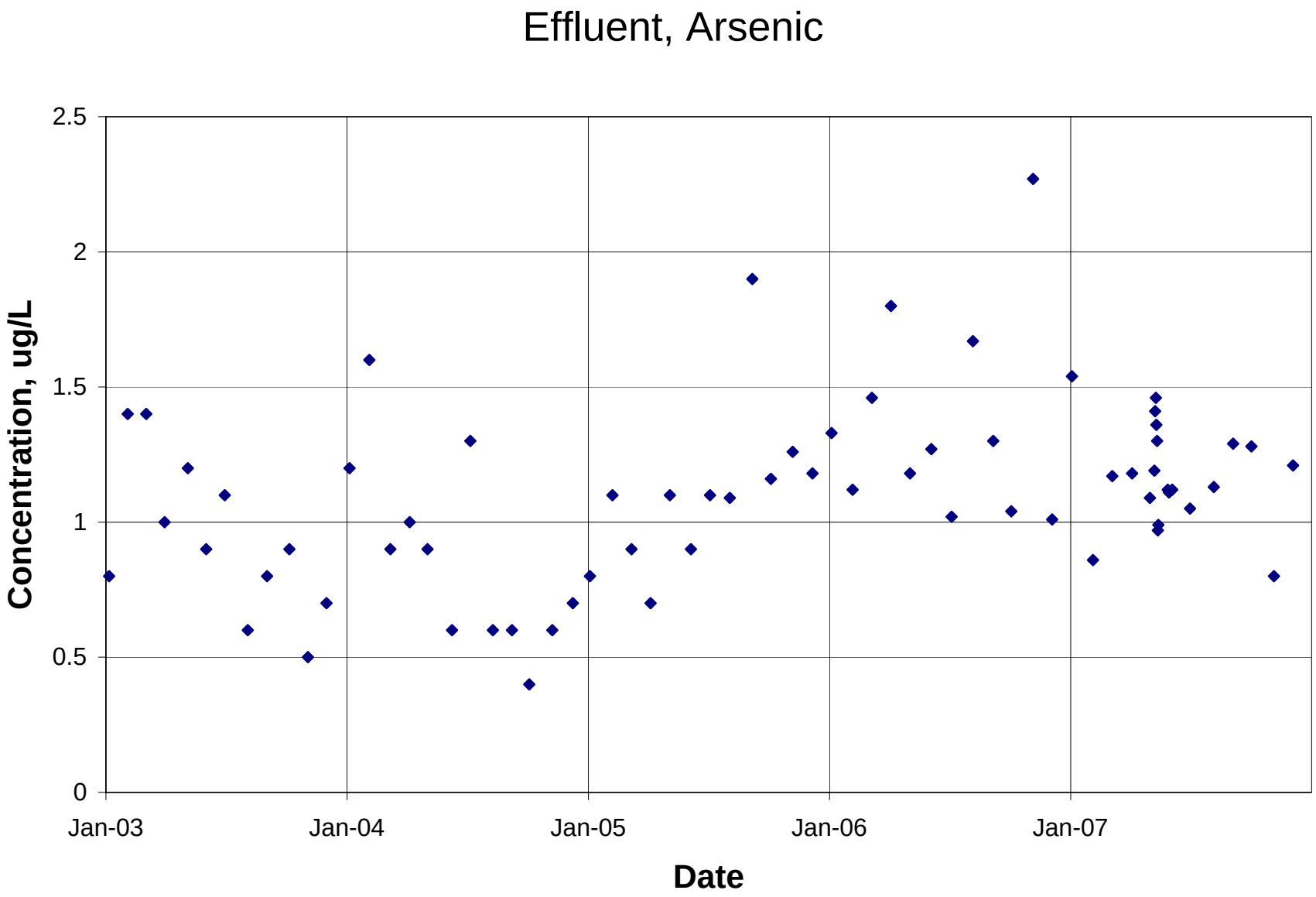
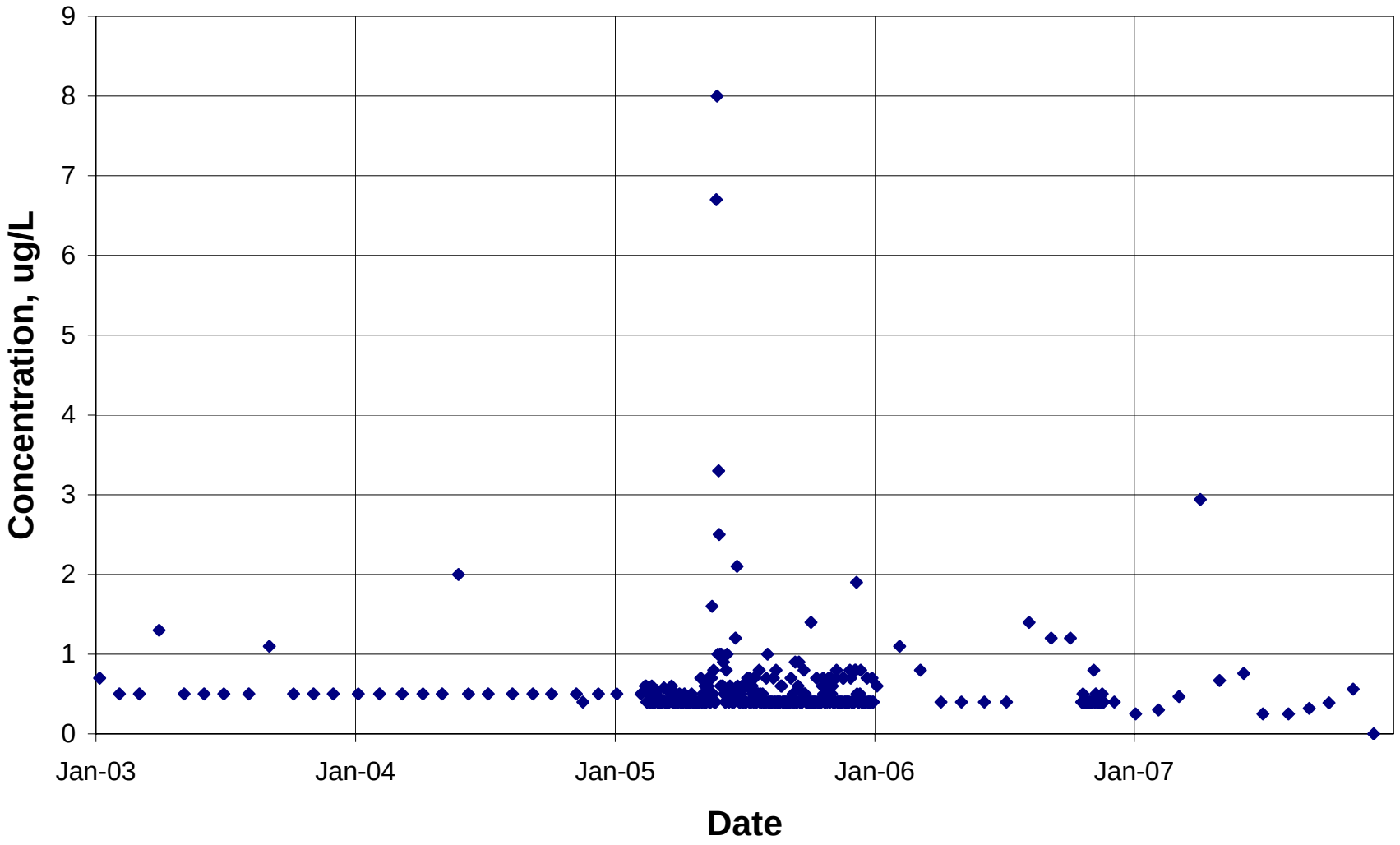
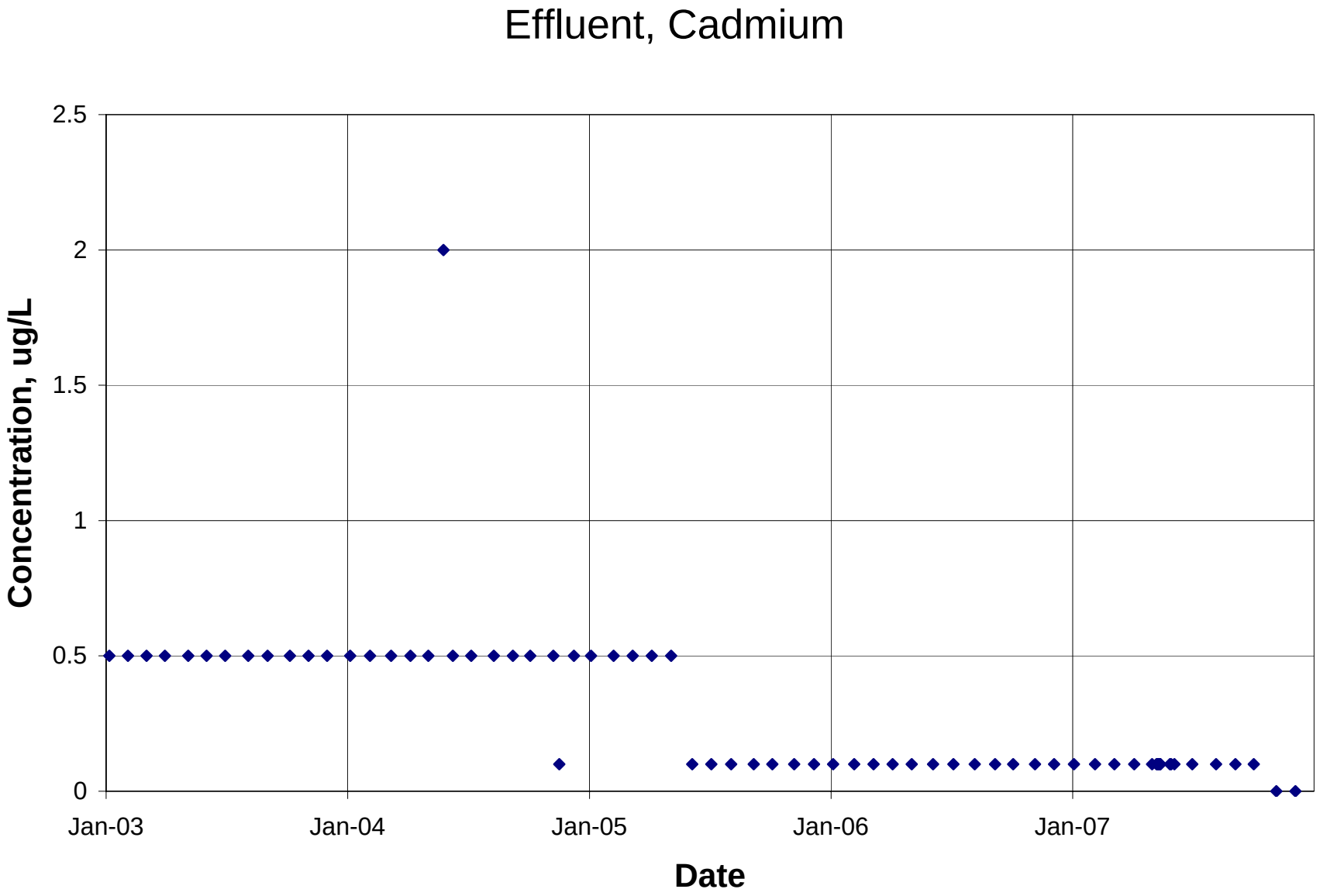
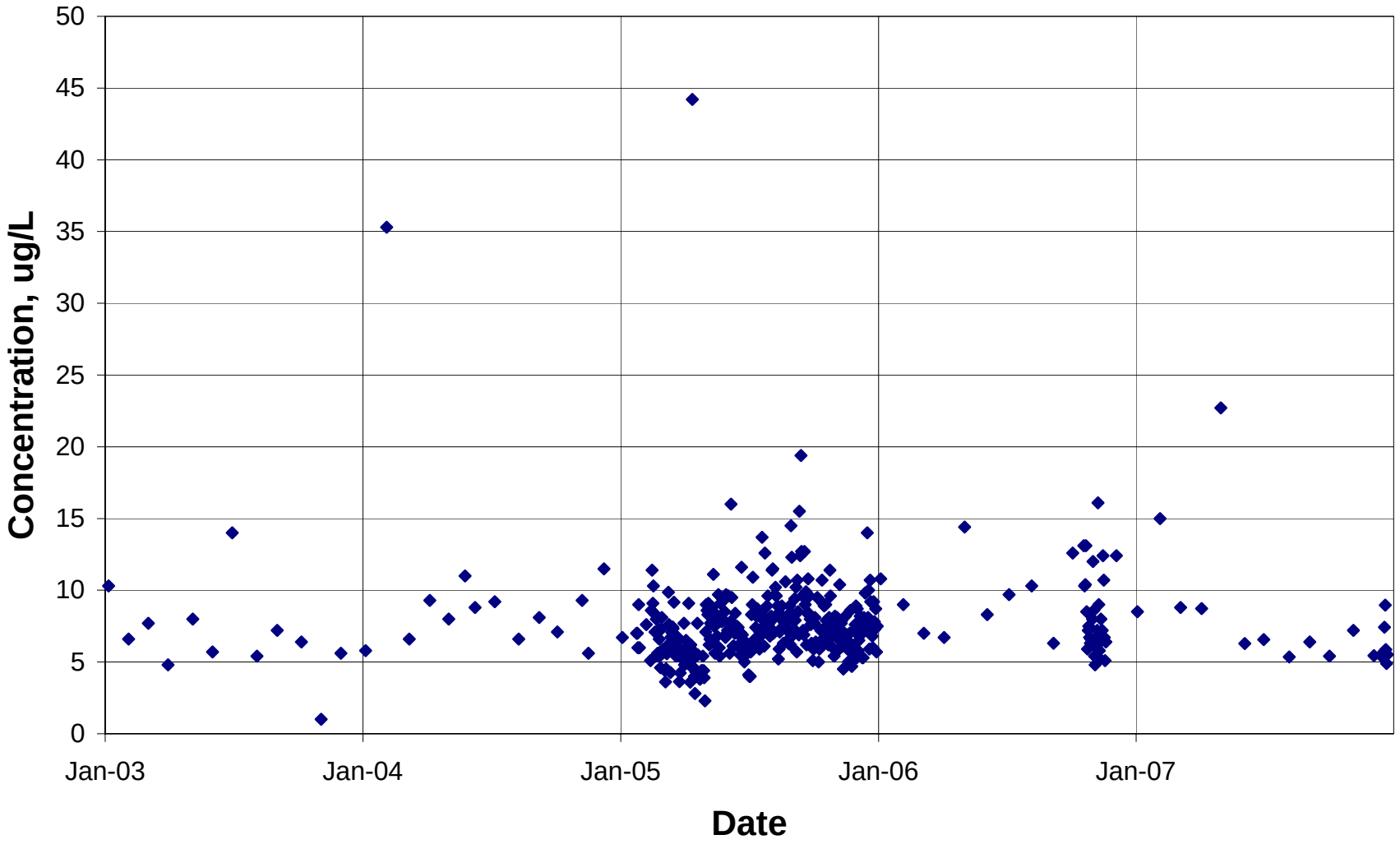
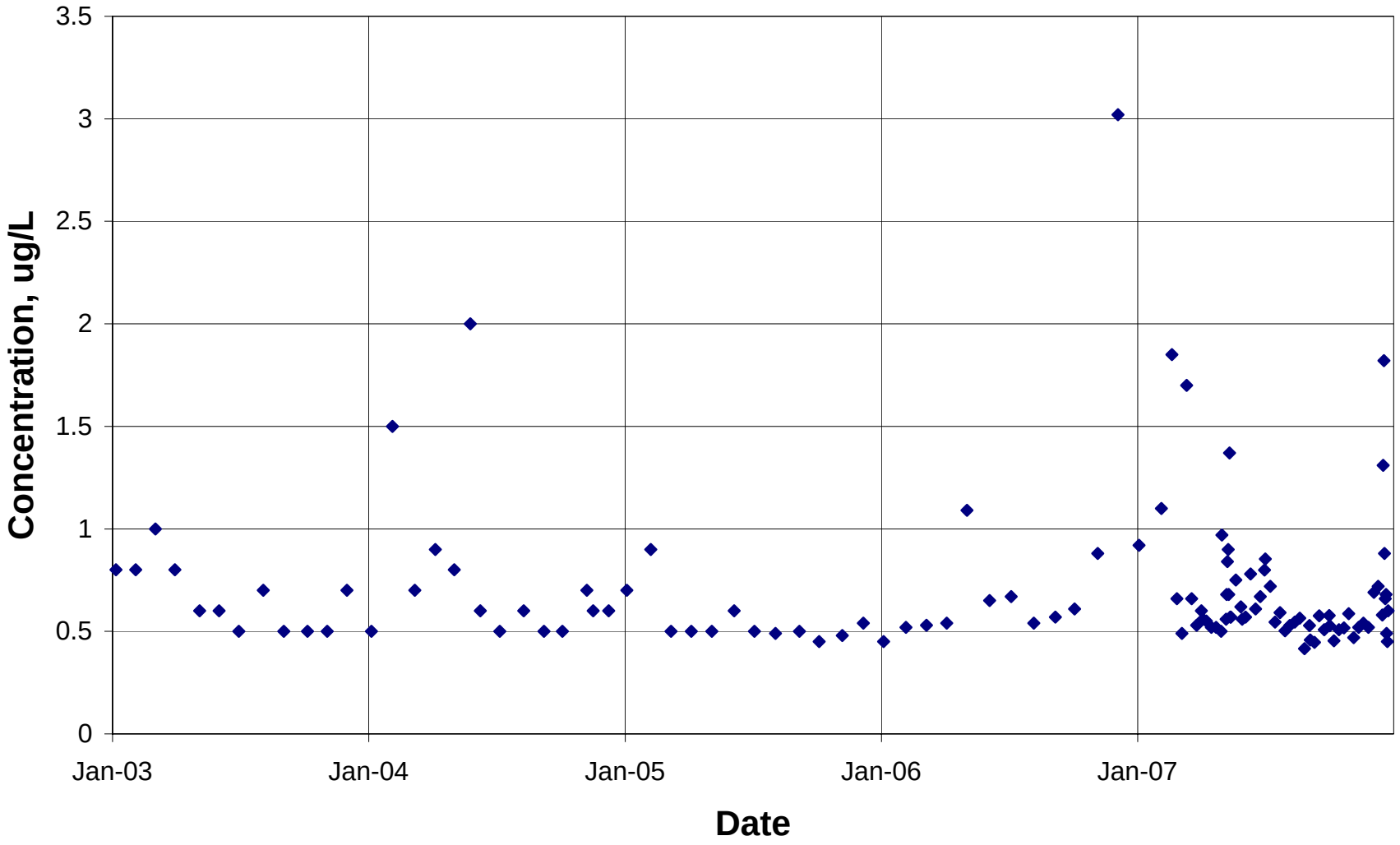

Influent, Arsenic
Concentration, ug/L
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

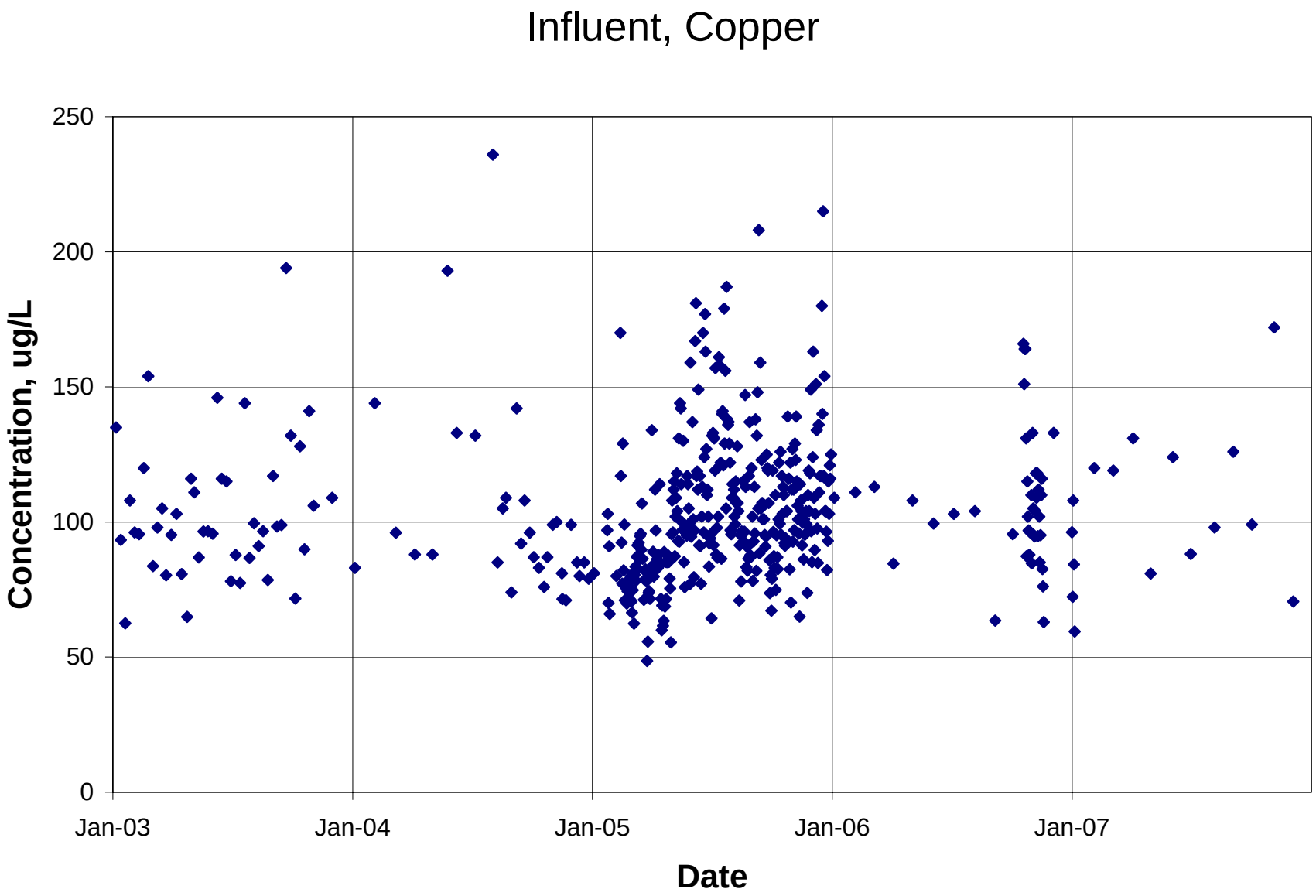

Effluent, Arsenic
Concentration, ug/L
2.5
2
1.5
1
0.5
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

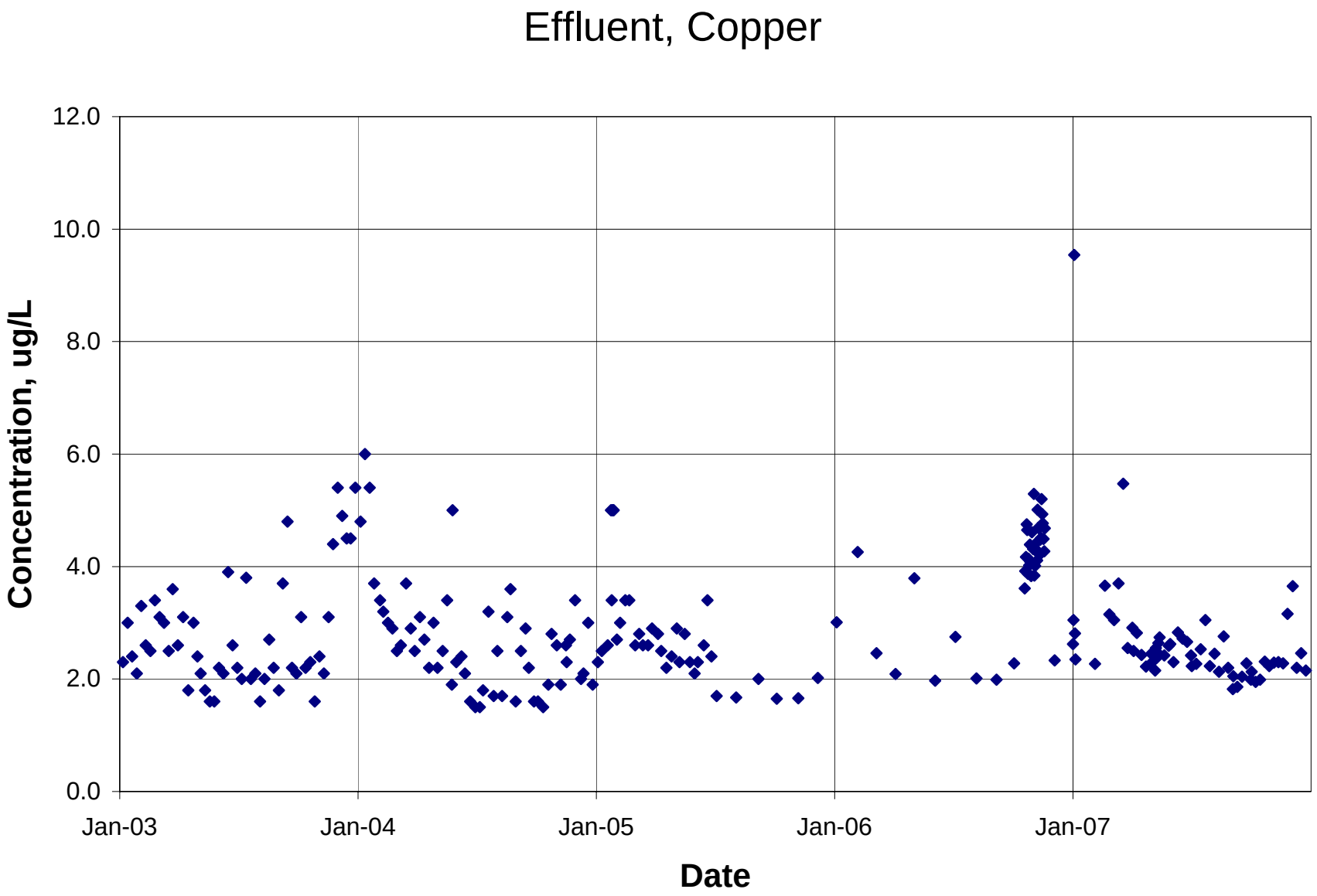

Influent, Cadmium
Concentration, ug/L
9
8
7
6
5
4
3
2
1
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

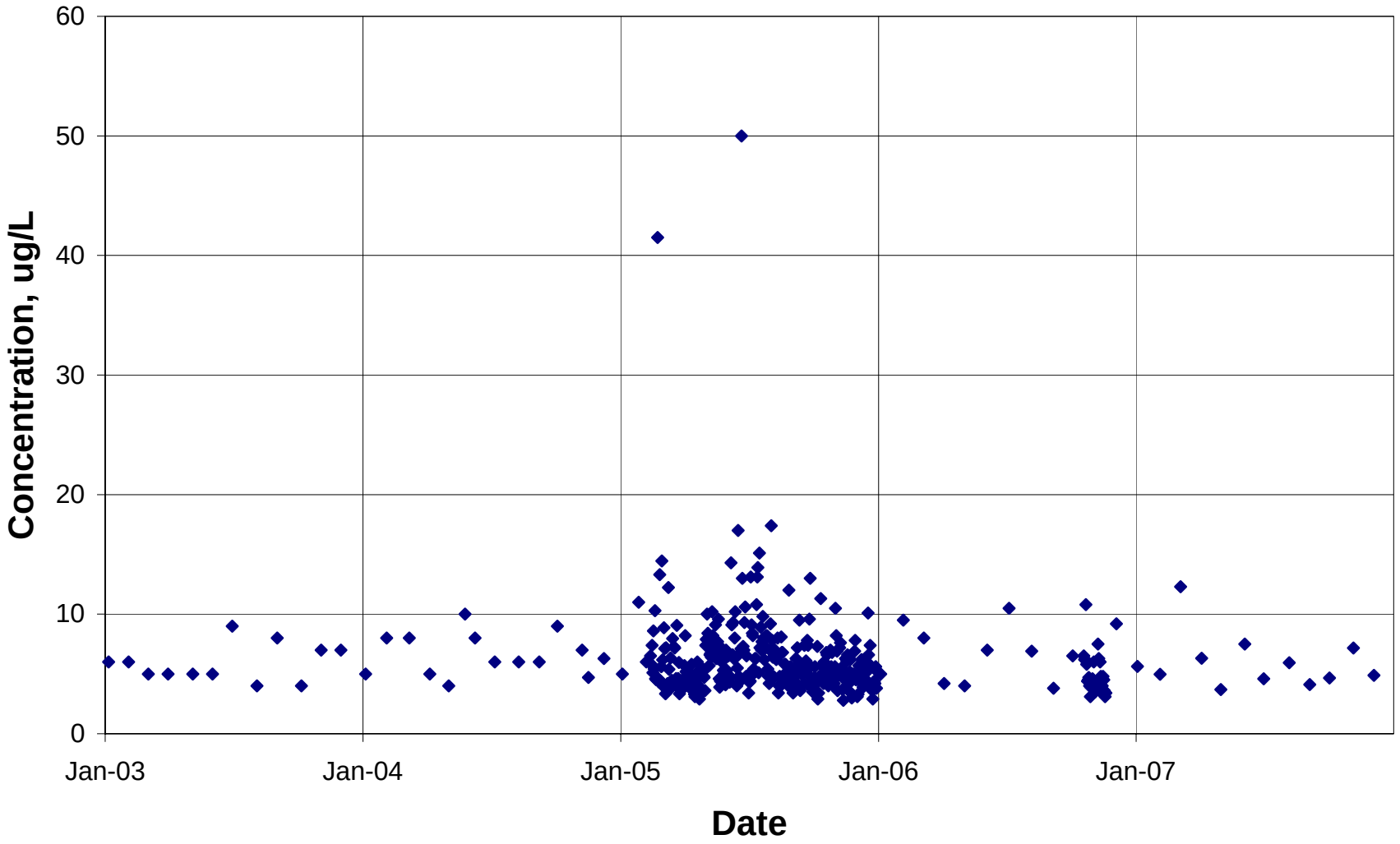

Effluent, Cadmium
2.5
2
1.5
1
0.5
0
Concentration, ug/L
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

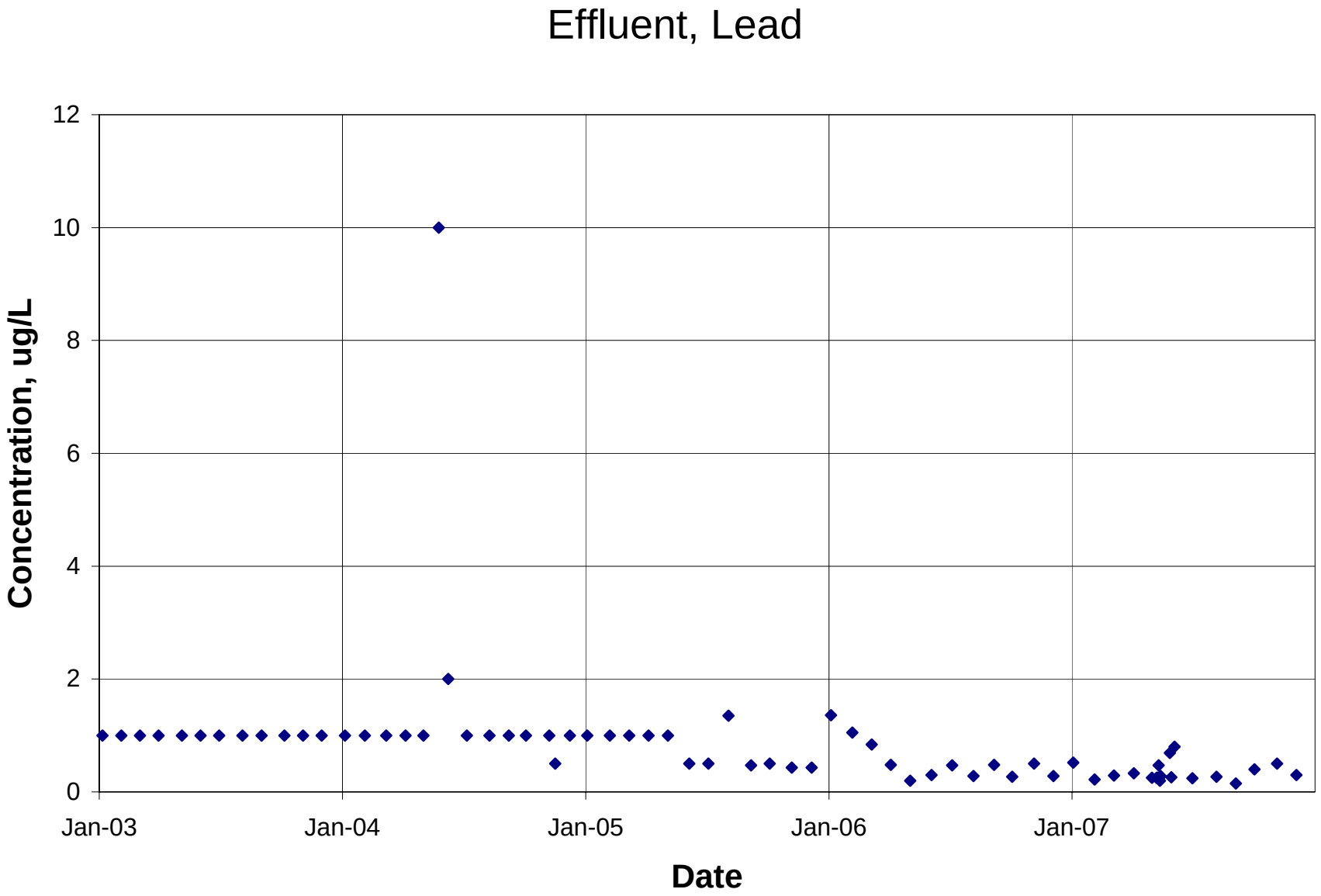

Influent, Chromium
Concentration, ug/L
50
45
40
35
30
25
20
15
10
5
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

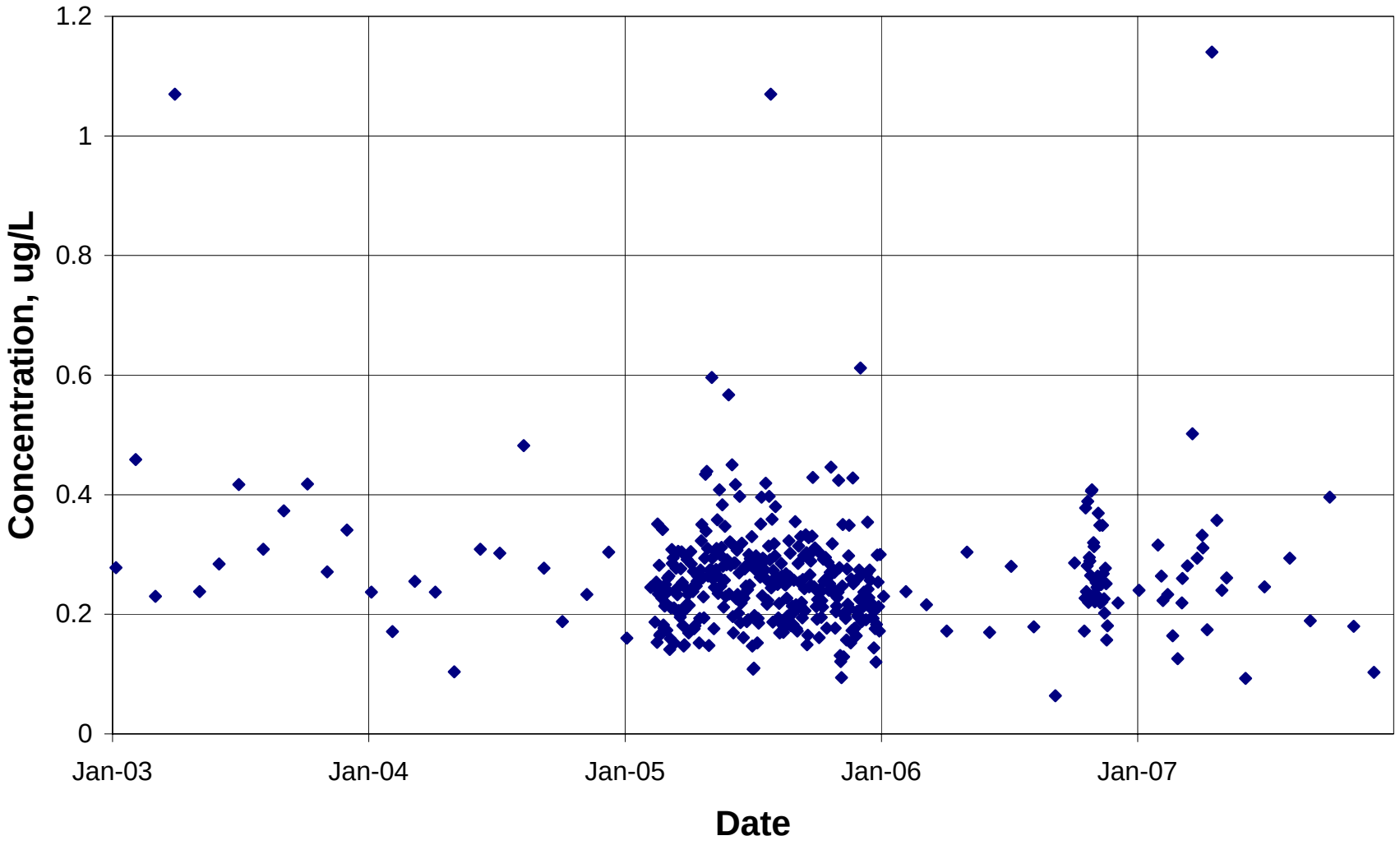

Effluent, Chromium
Concentration, ug/L
3.5
3
2.5
2
1.5
1
0.5
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Influent, Copper
Concentration, ug/L
250
200
150
100
50
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

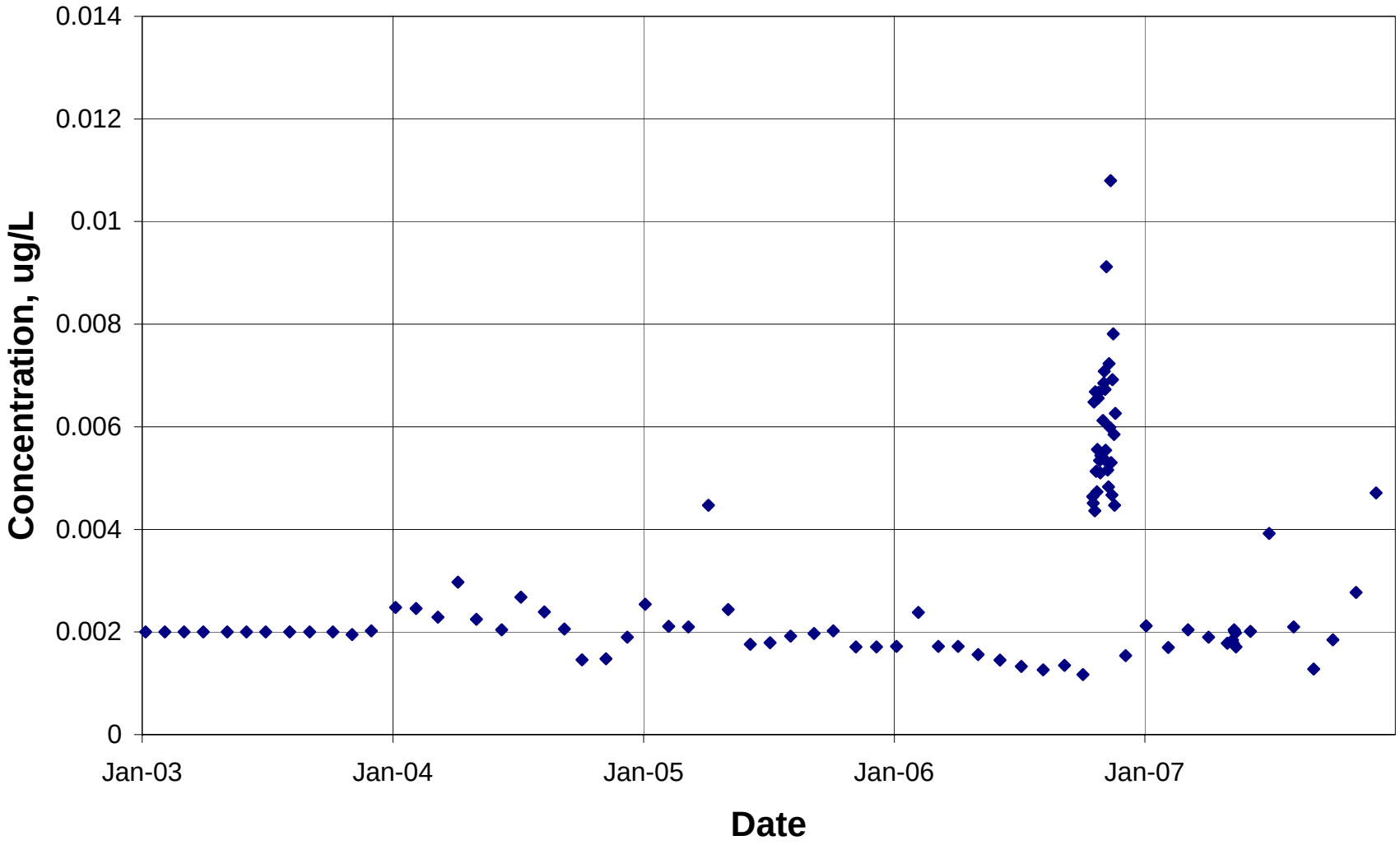

Effluent, Copper
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Concentration, ug/L
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

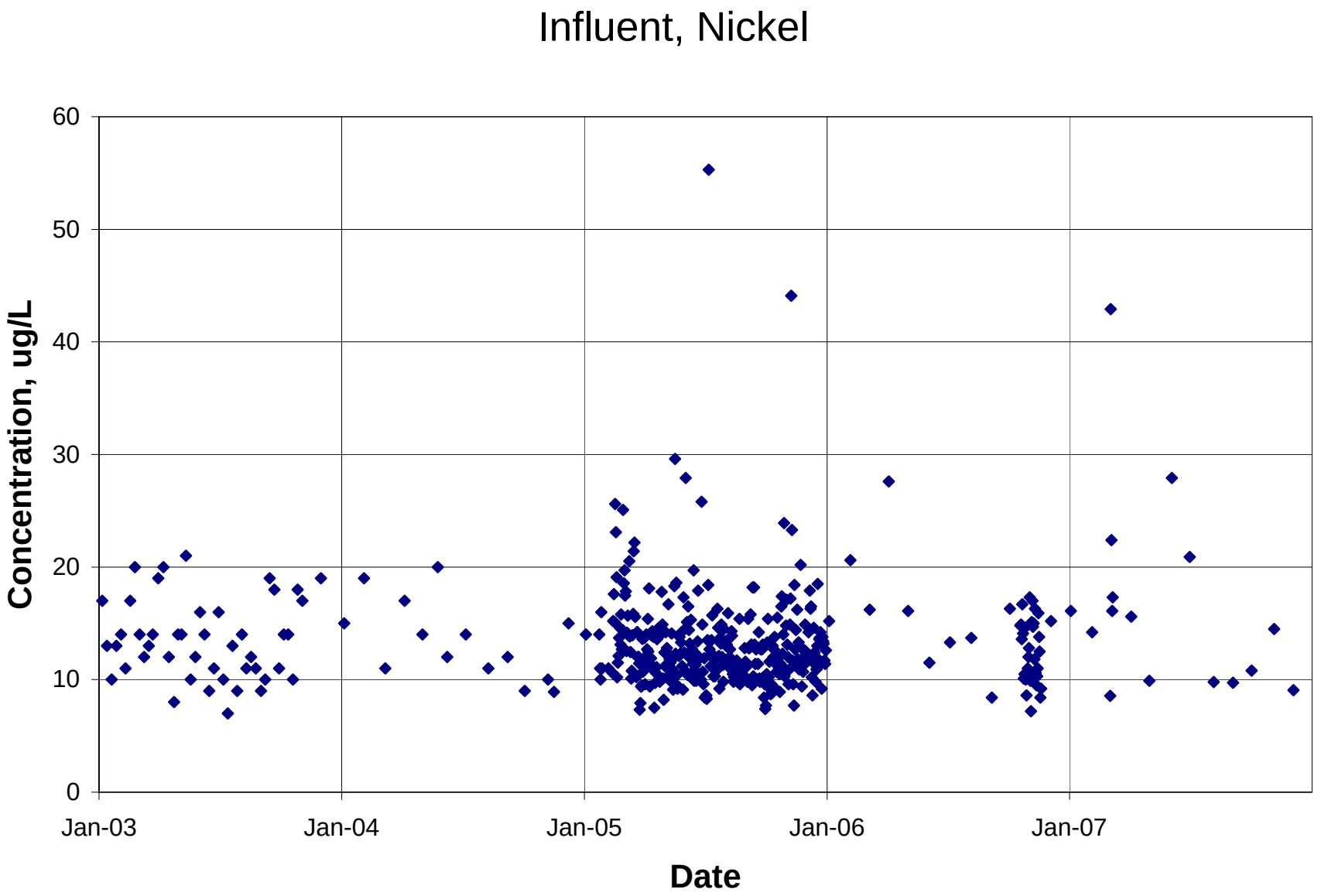

Influent, Lead
Concentration, ug/L
60
50
40
30
20
10
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

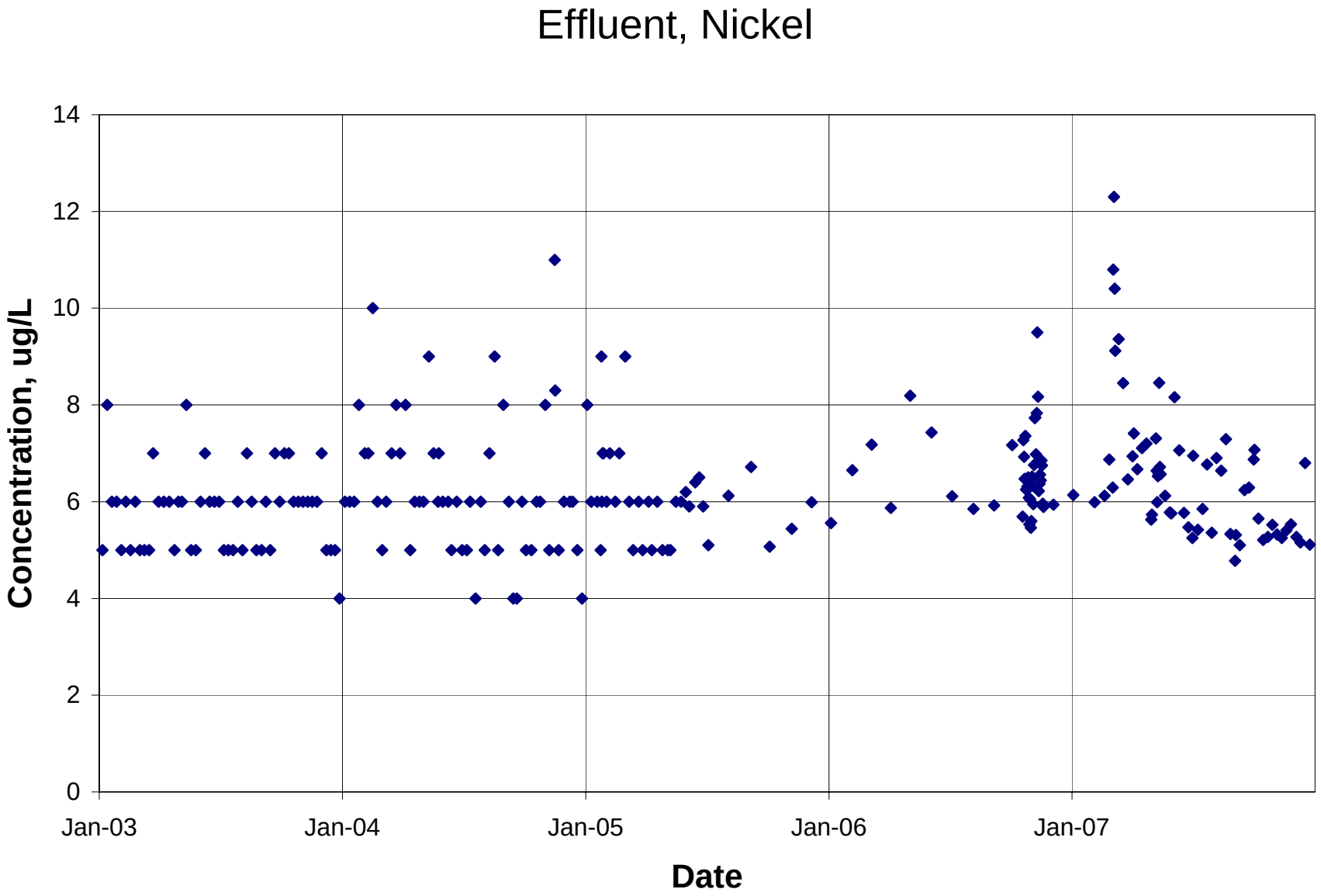

Effluent, Lead
Concentration, ug/L
12
10
8
6
4
2
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Influent, Mercury
Concentration, ug/L
1.2
1
0.8
0.6
0.4
0.2
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

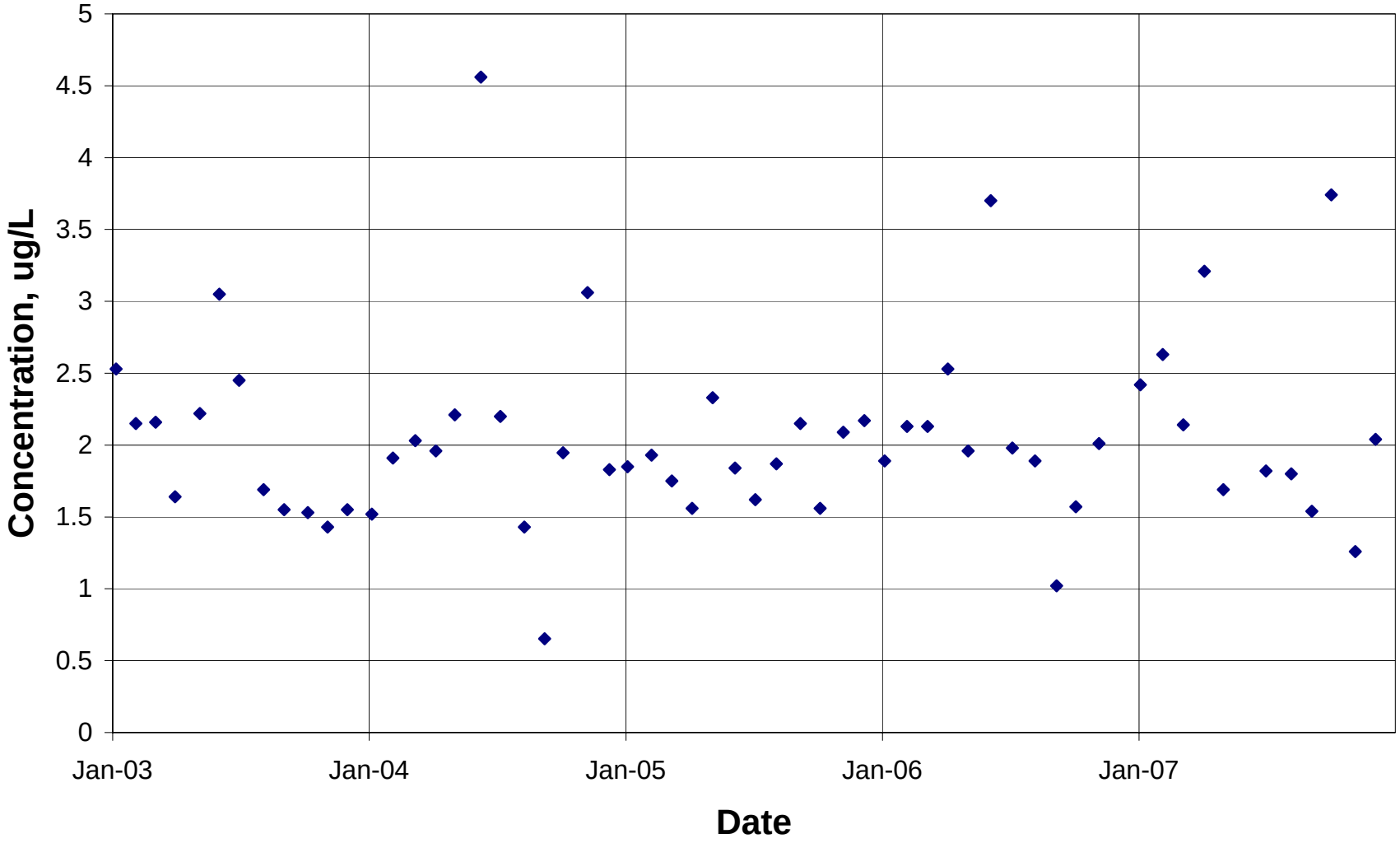
Effluent, Mercury



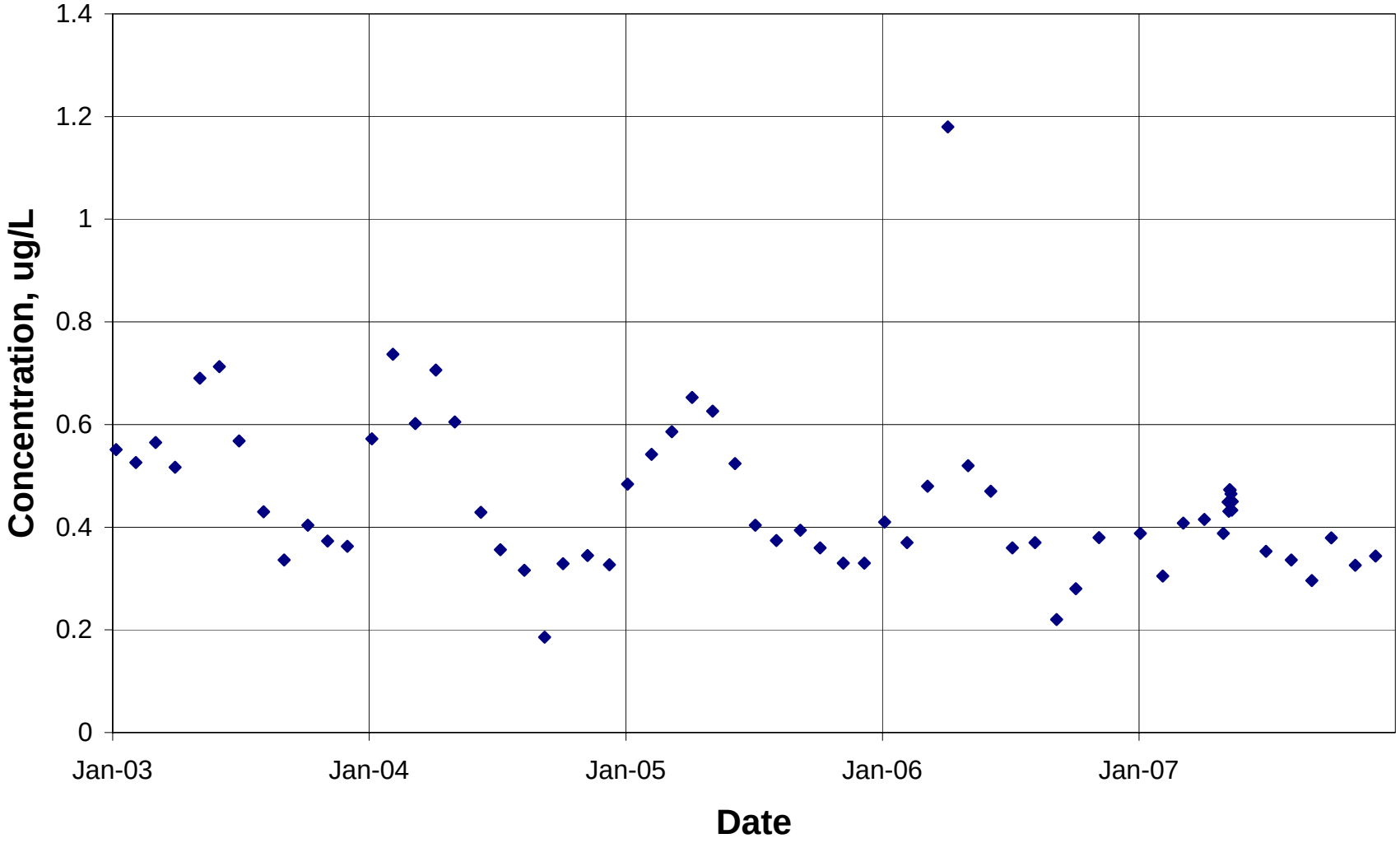

Influent, Nickel
Concentration, ug/L
60
50
40
30
20
10
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

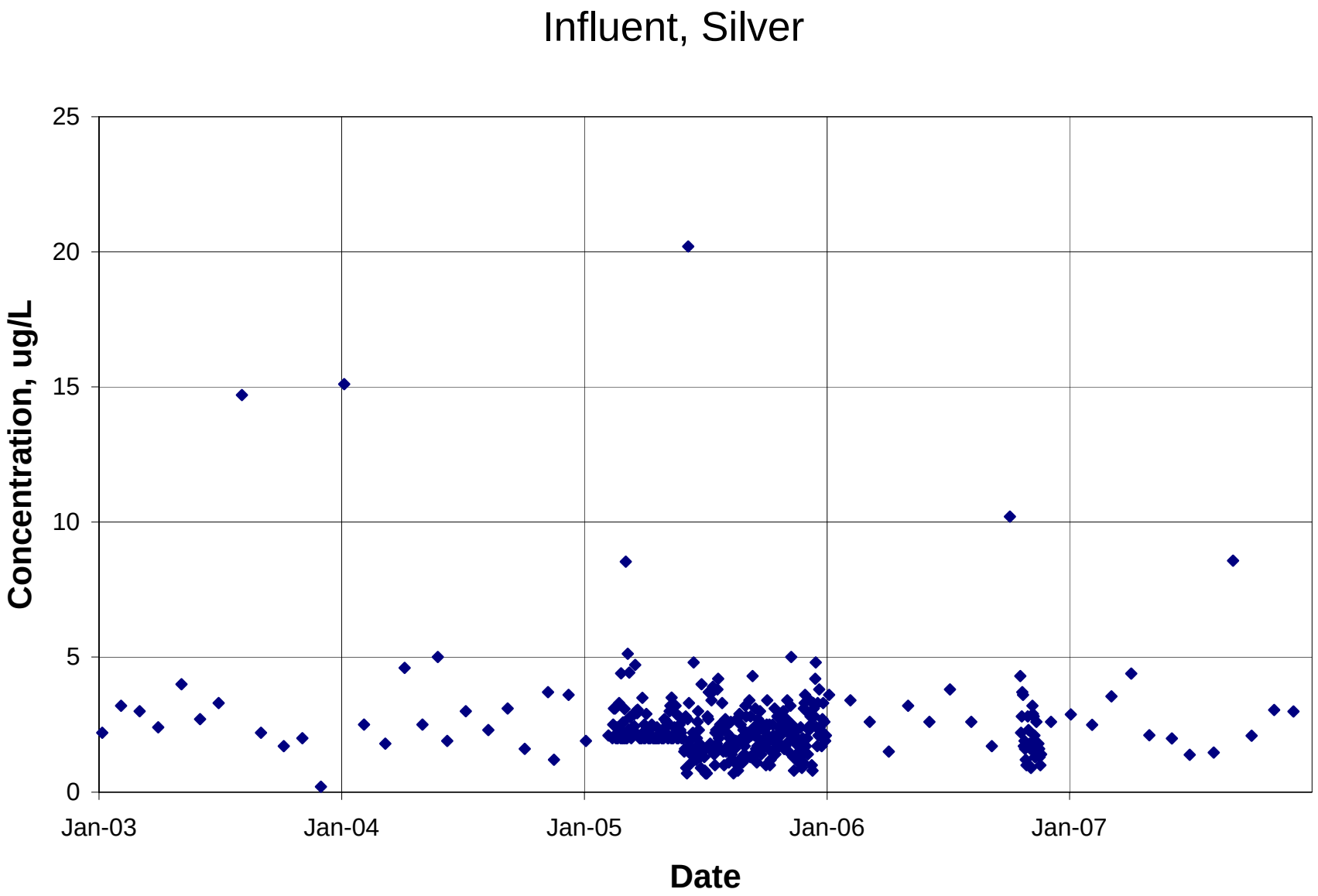

Effluent, Nickel
Concentration, ug/L
14
12
10
8
6
4
2
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

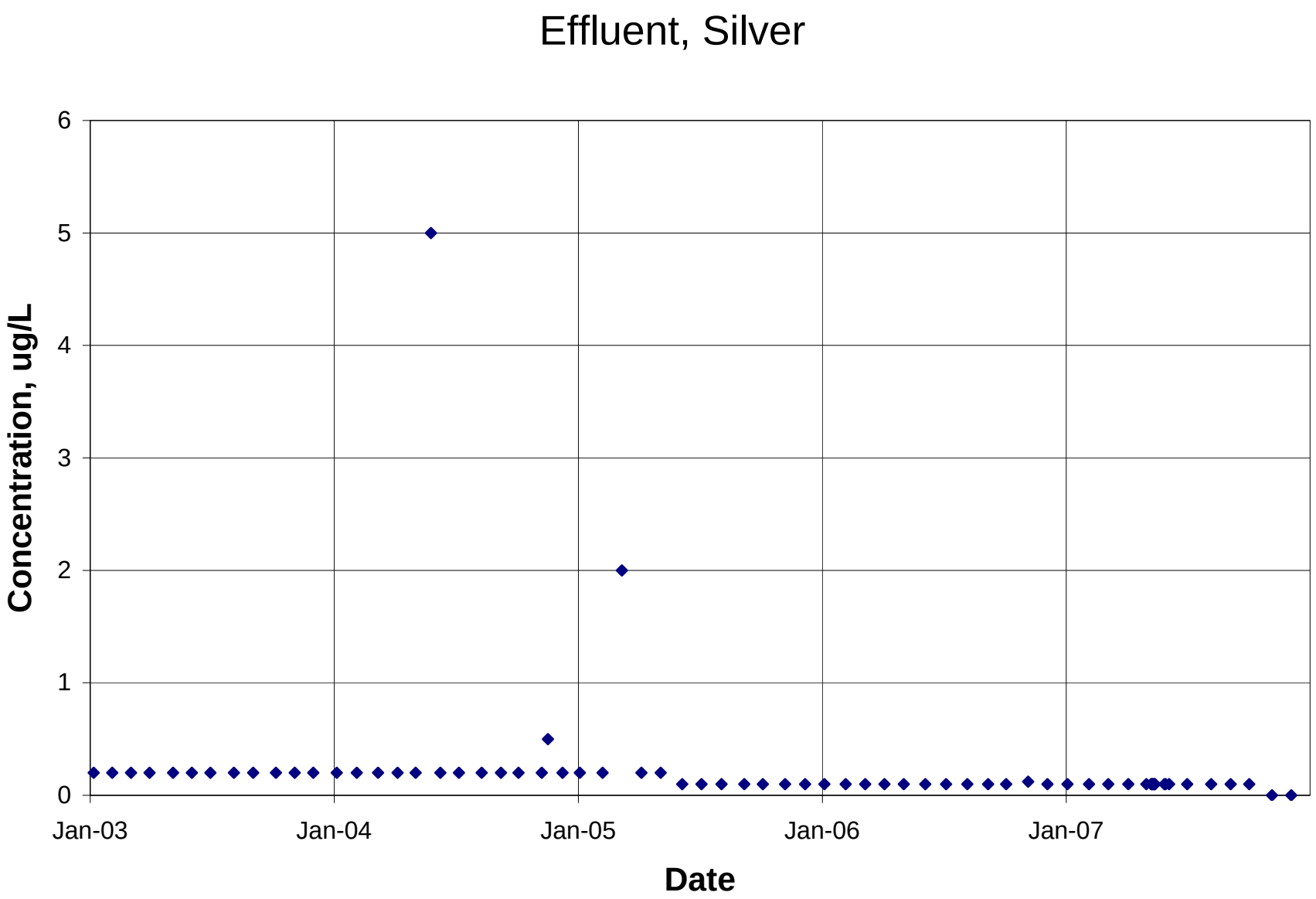
Influent, Selenium

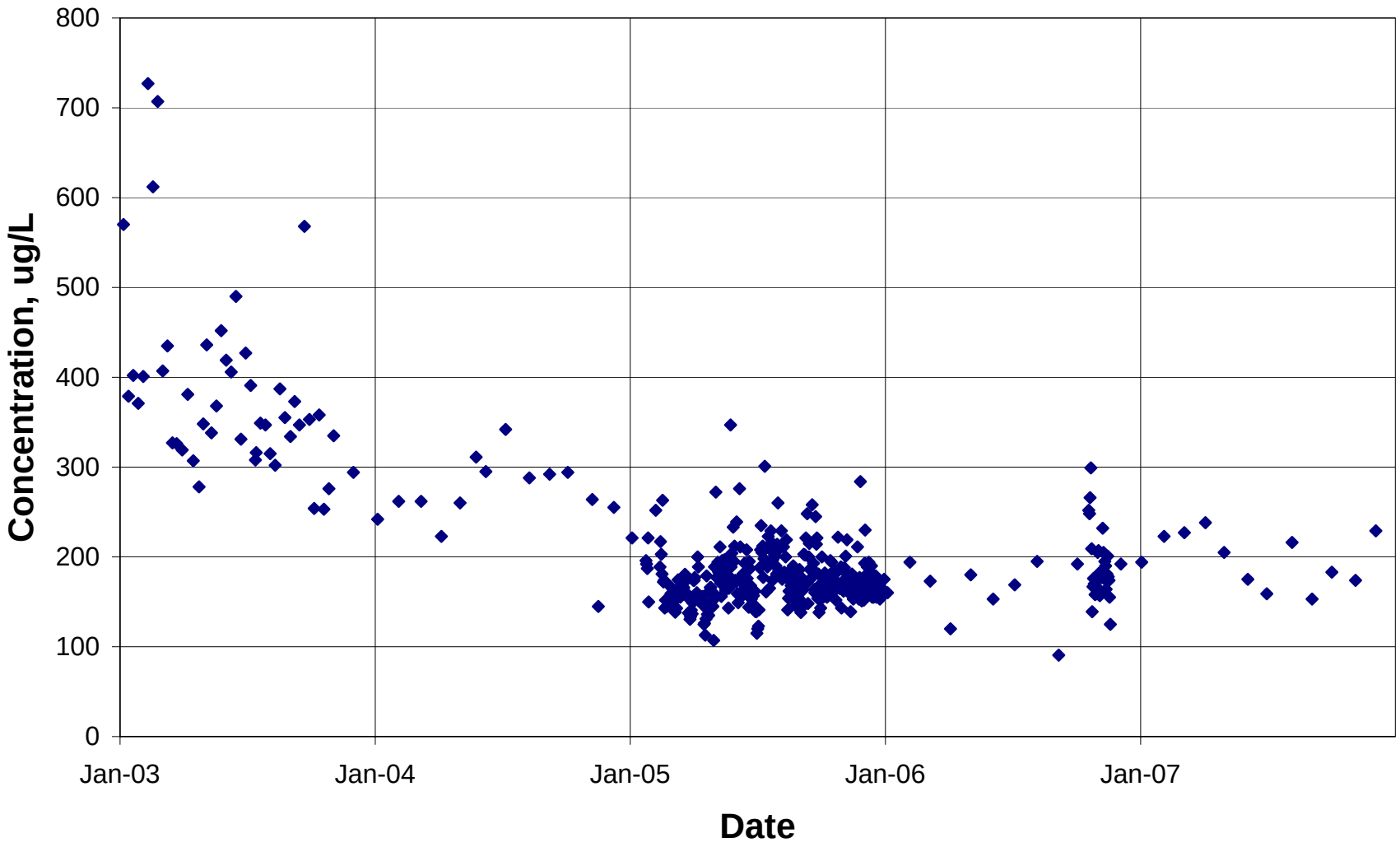


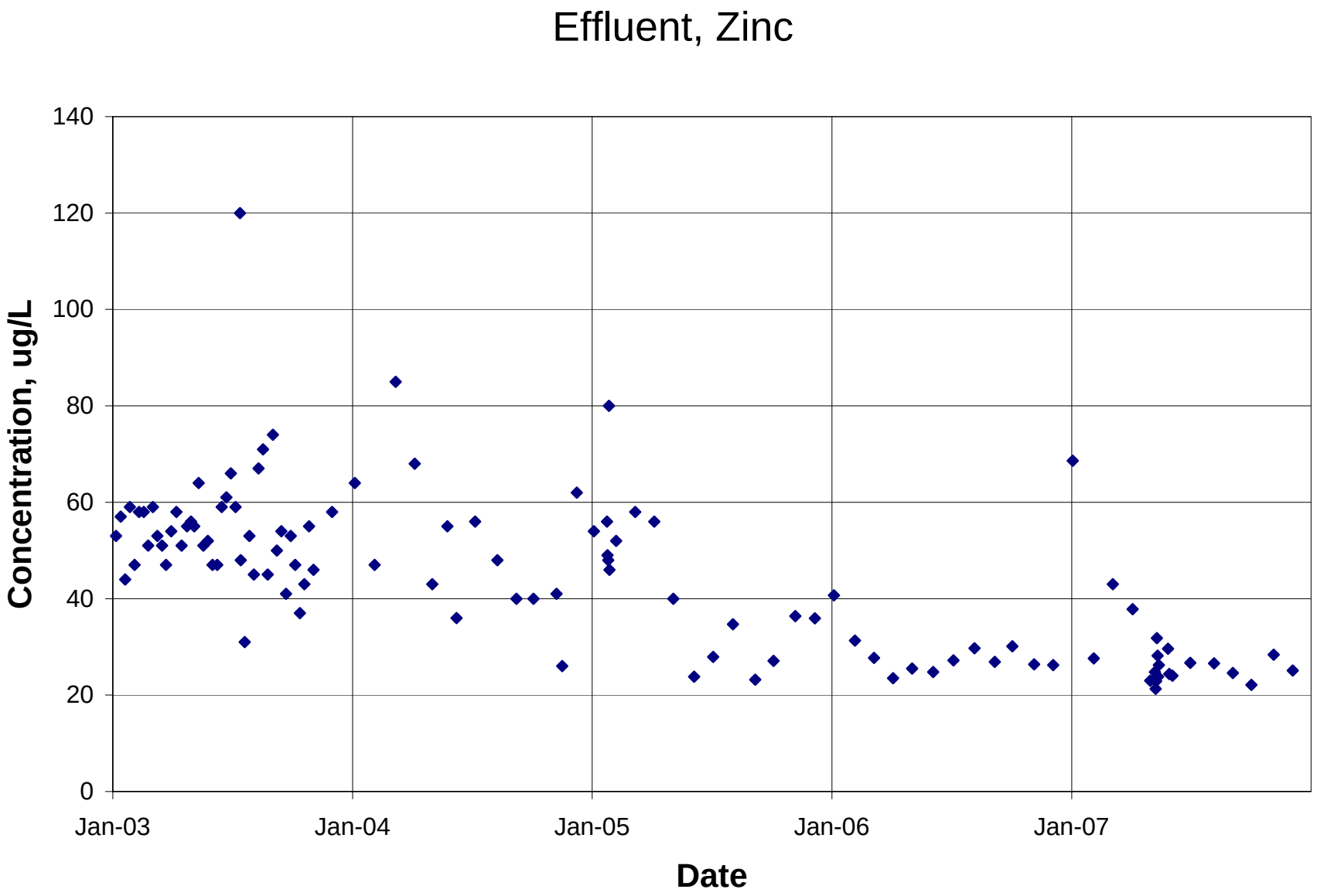
Effluent, Selenium




Influent, Silver
Concentration, ug/L
25
20
15
10
5
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Effluent, Silver
Concentration, ug/L
6
5
4
3
2
1
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Influent, Zinc
800
700
600
500
400
300
200
100
0
Concentration, ug/L
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Effluent, Zinc
Concentration, ug/L
140
120
100
80
60
40
20
0
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

Inspection and Sampling Program

This section of the annual reports provides tables and summaries of the number, frequencies and procedures for the City of San Jose's (City's) inspection and sampling program for 2007. Included are the following:

- Summary of SIU Inspections and Sampling Events in 2007
- Inspection and Sampling Frequency Criteria
- Inspection Format Procedures
- Chain of Custody Procedures

Summary of SIU Inspections

This table summarizes the inspection and sampling totals included in the Annual report section entitled "Compliance Activities 2007."

Inspection and Sampling Frequency Criteria

This table summarizes the normal condition sampling and frequency criteria for different types of industrial users. Please note, the section in this report entitled, "Pretreatment Program Changes" also includes details of some changes to the monitoring requirements for Centralized Waste Treatment – Metals Treatment and Recovery (40 CFR) 437 and Metal Finishing Captive Shop and New Sources (40 CFR 433)- all subcategories. Electroplating (40 CFR 413) will also no longer be included in 2008 since by the end of 2007 there are no longer any 40 CFR 413 facilities in the San Jose/Santa Clara Water Pollution Control Plant tributary area. In addition, starting in 2008 there will no longer be special sampling required for copper and nickel due to local limit changes.

Inspection Format Procedures

This section summarizes some of the many elements required while performing different types of inspections.

Chain of Custody Procedures

This section summarizes the chain of custody procedure to ensure the integrity of samples taken and analyzed by City inspection and laboratory personnel.

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SUMMARY of SIU INSPECTIONS and SAMPLING EVENTS for 2007

Industrial User Type	Total Inspections	Total POTW Sampling Events
All Other SIUs Noncategorical	**37**	**229**
Canned and Preserved Fruit and Vegetable Processing (40 CFR 407)	**8**	**70**
Electroplating - Existing Source Job Shops Discharging Less than 10,000 GPD (40 CFR 413(L) Subparts A-H)	**2**	**2**
Steam Electric Power Generating - New Source (40 CFR 423)	**9**	**87**
Rubber Manufacturing (40 CFR 428 Subpart G)	**2**	**4**
Pulp, Paper and Paperboard (40 CFR 430 Subpart J)	**4**	**125**
Metal Finishing - New Source (CN Only) (40 CFR 433 Subpart A (CN Only) - Include on annual)	**0**	**3**
Metal Finishing - Existing Source Captive Shops (40 CFR 433.15 Subpart A)	**13**	**54**
Metal Finishing - New Source (40 CFR 433.17 Subpart A)	**319**	**572**
Centralized Waste Treatment - Metals Treatment and Recovery (40 CFR 437 Subpart A)	**4**	**34**
Pharmaceutical Manufacturing (40 CFR 439 Subpart A)	**2**	**3**
Pharmaceutical Manufacturing (40 CFR 439 Subpart D)	**2**	**3**
Copper Forming (40 CFR 468 Subpart A)	**2**	**8**
Electrical and Electronic Components - Semiconductor (40 CFR 469 Subpart A)	**77**	**280**
Nonferrous Metals Forming and Metal Powders (40 CFR 471 Subpart C)	**1**	**0**
Totals	**482**	**1,474**

2007 Inspection and Sampling Frequency Criteria

Category	Group	City of San José (City) Monitoring Frequency	City Inspection Frequency	Industrial User Self Monitoring Report Frequency
Canned and Preserved Fruits and Vegetables Processing (40 CFR 407)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Centralized Waste Treatment – Metals Treatment and Recovery (40 CFR 437)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Copper Forming (40 CFR 468)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Electric and Electronic Components (40 CFR 469) All Subcategories	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Electroplating (40 CFR 413) All Subcategories	1	All applicable Federal and Local parameters semi-annually	Semi-annually If no pollutants of concern; otherwise quarterly	Cu and Ni – weekly All others semi-annually
	2			Cu and Ni – monthly All others semi-annually
	3			All parameters semi-annually
Metal Finishing Captive Shop and New Sources (40 CFR 433) All Subcategories	1	Full scan, secured sample semi- annually	Semi-annually If no pollutants of concern; otherwise quarterly	Cu and Ni – weekly All others semi-annually
	2			Cu and Ni – monthly All others semi-annually
	3			All parameters semi-annually
Nonferrous Metals (40 CFR 421 and 471)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Pharmaceutical Manufacturing (40 CFR 439)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually

Category	Group	City of San José (City) Monitoring Frequency	City Inspection Frequency	Industrial User Self Monitoring Report Frequency
Pulp, Paper and Paperboard from Wastepaper (40 CFR 430)	1	Full scan, secured sample semi- annually	Semi-annually If no pollutants of concern; otherwise quarterly	Cu and Ni – weekly All others semi-annually
	2			Cu and Ni – monthly All others semi-annually
	3			All parameters semi-annually
Rubber Manufacturing (40 CFR 428)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Steam Electric Power Generating (40 CFR 423)	1 and 3	All applicable Federal and Local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Automotive Repair (Permitted)	1 and 3	All applicable local parameters annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Corrugated Box Manufacturing (Non-categorized)	1 and 3	All applicable local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Electronic Parts Manufacturing (Non-categorical)	1 and 3	All All applicable local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Food Processing (Non-Seasonal)	1 and 3	All applicable local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
Industrial Laundries (Non-Categorical)	1 and 3	All applicable local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually
All other IUs	1 and 3	All applicable local parameters semi-annually	Semi-annually	All parameters semi-annually
	2			Cu and Ni – monthly All others semi-annually

Inspection Format Procedures

Permit Inspection

A permit inspection is conducted as part of the permitting process. There are three parts to a permit inspection.

1. The first part involves the reviewing the following:
    a. Permit application
    b. Previous permit, fact sheets, and permit applications
    c. Information in the Environmental Enforcement Database Management System (EEDMS).
    d. Industrial User (IU) compliance history with all applicable limits
    e. Other file information such as sample results, IU and City correspondence, etc.
2. The second part involves discussing the permit application and pertinent documents with the IU during a scheduled inspection. This IU interview includes the following:
    a. Reviewing the permit application with the IU and resolve any discrepancies.
    b. Verifying the correct name of the company.
    c. Identifying responsible contacts, waste treatment and sampling personnel.
    d. Reviewing hours of operation, shifts and number of employees and future expansion plans.
    e. Determining time periods used for data submittals.
    f. Reviewing flow data, both influent and effluent
    g. Verifying flow and disposal data for mass and flow balances.
    h. Determining location and types of water sources
    i. Determining location of all wastewater discharge points
    j. Reviewing sanitary sewer connections and storm sewer routing.
    k. Reviewing sewer treatment plant fee issues.
    l. Reviewing compliance status
    m. Reviewing the processes listed for any process or treatment equipment changes since the last permit was issued.
    n. Evaluating the treatment system.
    o. Reviewing the site plan and process equipment layout to Identify sample points and documentation of flow meters types and location.
    p. Reviewing in house monitoring practices.
    q. Reviewing hazardous materials plan and chemical inventory list.
    r. Reviewing Slug Plan, Spill Prevention Plan, and Containment Plan, where applicable.
    s. Reviewing waste manifests.
    t. Reviewing pollution prevention strategies.

u. Reviewing the Water Efficiency Program.

3. The third part involves the physical inspection of the IU facility. This inspection may include:
   a. Inspecting products and wastewater generating processes and activities,
   b. Verifying compliance with previous permit conditions,
   c. Verifying that the layout of the facility, processes, and treatment equipment correspond to the application,
   d. Reviewing pollution prevention and water efficiency measures,
   e. Verifying plumbing layout corresponds to application,
   f. Verifying all connections to the sewer and storm drain corresponds to application,
   g. Verifying that the sample points are in the correct location and meet the permit requirements,
   h. Reviewing in house self monitoring records,
   i. Reviewing that the location of flow meters corresponds to application,
   j. Identifying flow meter primary and secondary device types,
   k. Reviewing all in house flow meter records,
   l. Inspecting chemical storage areas and waste storage areas for any chemicals not listed on the application,
   m. Inspecting site for general housekeeping, and
   n. Inspecting site for non-point source issues.

Compliance Inspection

A routine inspection to determine compliance status and to identify practices which may lead to noncompliance. Compliance inspections are normally not scheduled and are not as in depth as a permit or an annual inspection. Compliance inspections may include the following:

1. Reviewing with IU the company's compliance history and self monitoring reports,
2. Discussing programs on scheduled improvements of wastewater treatment systems and improved practices furthering compliance,
3. Reviewing records of wastes not discharged to the sanitary sewer,
4. Inspecting wastewater producing areas, noting and discussing practices that might lead to noncompliance and faulty equipment,
5. Inspecting wastewater monitoring equipment, noting and discussing any faulty equipment,
6. Reviewing all wastewater monitoring logs, noting and discussing any discrepancies,
7. Inspecting chemical and waste storage areas, noting and discussing any careless practices or spills,
8. Reviewing facility's in house self-monitoring records; noting and discussing any discrepancies,

9. Inspecting sampling point and monitoring station and equipment, noting and discussing any bypassing or other compliance issues.
10. Reviewing IU's industrial waste discharge permit and verifying that all permit conditions are being met, and
11. Collecting a sample if determined to be needed during the inspection. Ongoing compliance sampling is conducted by Assistant Environmental Inspectors and discussed in the Sampling Inspection Section.

Annual Inspection

These inspections are similar to the compliance inspections, however they are more detailed and require more time to conduct. These inspections may require to be scheduled as to allow the IU the ability to have all required materials and records prepared in advanced to facilitate the inspection. In addition to the elements in a compliance inspection, the annual inspection may include the following:

1. Reviewing in depth all of the IU's files and the database prior to the inspection including the layout of the facility, the processes, the permit application, the permit and fact sheet, the compliance history and the IU's Self Monitoring Reporting schedule,
2. Reviewing and verifying contact information,
3. Reviewing with IU hours of operation and number of shifts,
4. Discussing with IU any future expansion plans,
5. Reviewing with IU the facility flow diagram and facility layout for new processes or new equipment,
6. Inspecting facility processes for any bypasses, dilution streams, process and equipment changes and documenting any changes not discussed previously,
7. Inspecting facility processes for dilution streams,
8. Inspecting wastewater treatment system and documenting any changes,
9. Inspecting and reviewing calibration of flow, pH monitoring, and othermonitoring equipment,
10. Review pH chart recorder as applicable, noting and discussing any discrepancies and potential violations, and
11. Reviewing requirements for slug discharge plan or slug discharge plan as applicable.

Spill or Emergency Inspection

A spill or emergency inspection is an inspection used to verify that adequate measures are being implemented to prevent violations of local, state, or federal regulations governing discharge. This inspection is performed in response to a notification of a spill to the storm or sanitary sewer.

Sampling Inspection

These inspections are performed by the Assistant Environmental Inspectors during routine sampling events conducted by the City. The inspections may include the following:

1. Collecting compliance and revenue samples as required,
2. Checking samples for pH using pH meter and recording the results,
3. Recording pH from final pH meter and comparing to pH meter readings of sample collected.
4. Preserving samples as required,
5. Recording flow readings from flow meters and verifying last calibration date,
6. Recording results of last in-house testing with time and date,
7. Recording any observations of sample point and sampling equipment,
8. Recording any abnormalities observed in effluent conditions, and
9. Recording any abnormalities observed in treatment system.

Closure Inspection

These inspections are performed when a discharger is in the process of closing. Several inspections may be required to review the company's progress toward closure. These inspections may include the following:

1. Verifying removal of all process equipment from the facility,
2. Verifying removal of all process chemistries from the facility,
3. Reviewing waste manifests for verifications that all waste has been hauled from the facility,
4. Verifying and recording the date of last discharge to sanitary sewer,
5. Recording any influent water meter readings, and
6. Verifying that IU has filed a closure plan with the fire department.

CHAIN OF CUSTODY PROCEDURES

All sampling performed by San Jose/Santa Clara Water Pollution Control Plant personnel involves the use of a chain of custody record. The chain of custody record is part of the Laboratory Analysis Request form. This form indicates who took the sample, who witnessed the taking of the sample and to whom the sample was released. It is intended to document every person that has had access to the sample. Samples are always in the secure custody of the sampling person until released to the laboratory. Once in the laboratory, samples are held in a locked area, accessible only to the last person signing for the samples.

Enforcement Procedures

The latest revision of our Enforcement Response Plan (ERP) was included with our 2003 Annual Report. Source Control is following the guidelines of this ERP.

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Federal Categorical Standards

This summarizes the following federal categorical standards for all Categorical Industrial Users (CIUs) discharging to the San José/Santa Clara Water Pollution Control Plant (the Plant):

- List of EPA federal categories with their descriptions,
- List of the Plant's other regulated categories,
- Table summarizing the number of CIUs and the federal standard limits for each category, and
- Summary of the calculations for the combined waste stream generated limits for each applicable CIU.

The list of specific CIUs for each category can be found in the compliance tables in the "Compliance Activities" section of this report.

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List of EPA Categories and Their Descriptions

Category Federal 40 Code of Federal Regulations (CFR) Number	**Descriptions**
40 CFR 407	Canned and Preserved Fruit andVegetables
40 CFR 413(G) Subparts A-H	Electroplating – Existing Source Job Shops Discharging Greater than 10,000 gallons per day
40 CFR 421 Subpart L	Non Ferrous Metals Manufacturing
40 CFR 423	Steam Electric Power Generating Source
40 CFR 428 Subpart G	Rubber Manufacturing
40 CFR 430 Subpart J	Pulp, Paper and Paperboard
40 CFR 433.15 Subpart A	Metal Finishing – Existing Source Captive Shops
40 CFR 433.17	Metal Finishing – New Source
40 CFR 437	Centralized Waste Treatment – Metals Treatment and Recovery
40 CFR 439 Subpart A	Pharmaceutical Manufacturing – Fermentation Products
40 CFR 429 Subpart D	Pharmaceutical Manufacturing – Mixing, Compounding and Fomulations
40 CFR 468 Subpart A	Copper Forming
40 CFR 469 Subpart A	Electrical and Electronic Components
40 CFR 469 Subpart B	Electical and Electronic Components – Crystal Growing
40 CFR 471 Subpart C	Nonferrous Metals Forming and Metal Powders

Other Regulated Categories

MISC	All Other IUs Non-Categorical
AUTO	Automotive Repair Facilities
CBMF	Corrugated Box Manufacturing
EPMN	Electronic Parts Manufacturing -Non-categorical
EPNS	Food Processing-Seasonal
INLA	Industrial Laundries
PHPR	Photographic Processing Non-Categorical
RADI	Radiator Repair Facilities

Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Canned and Preserved Fruit and Vegetable Processing 40 CFR 407 No.of CIUs: 2				
Centralized Waste Treatment - Metals Treatment and Recovery	Antimony	0.249		0.206
	Arsenic	0.162		0.104
	Cadmium	0.474		0.0962
	Chromium Total	15.5		3.07
	Cobalt	0.192		0.124
	Copper	4.14		1.06
	Cyanide Total	500		178
	Lead	1.32		0.283
	Mercury	0.00234		0.000739
	Nickel	3.95		1.45
	Selenium	1.64		0.408
	Silver	0.12		0.0351
	Tin	0.409		0.12
	Titanium	0.0947		0.0618
	Vanadium	0.218		0.0662
	Zinc	2.87		0.641
40 CFR 437 Subpart A No.of CIUs: 1				

The count of Industrial Users and Categorical Industrial Users for each secton in this table entitled, "Categorical Standards," includes all companies including those that have gone out of business in the reporting year and those who are listed under multiple categories. The actual number of active permit as per the date of publishing is less than those shown.

Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Copper Forming	Cadmium	.26		.1
	Chromium Total	1.03		0.64
	Copper	1.27		0.78
	Lead	0.26		0.16
	Nickel	1.5		0.16
	Silver	0.16		0.09
	TTO-F	0.8		
	Zinc	0.98		0.56
40 CFR 468 Subpart A No.of CIUs: 1				
Electrical and Electronic Components - Semiconductor 40 CFR 469 Subpart A No.of CIUs: 35	TTO-F	1.37		
Electroplating - Existing Source Job Shops Discharging Less than 10,000 GPD	Cadmium	1.2	0.7	
	Cyanide Amenable	5.0	2.7	
	Lead	0.6	0.4	
	TTO-F	4.57		
40 CFR 413(L) Subparts A-H No.of CIUs: 1				

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Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Metal Finishing - Existing Source Captive Shops	Cadmium	0.69		0.26
	Chromium Total	2.77		1.71
	Copper	3.38		2.07
	Cyanide Total	1.20		0.65
	Lead	0.69		0.43
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433.15 Subpart A No.of CIUs: 4				
Metal Finishing - New Source (No CN)	Cadmium	0.11		0.07
	Chromium Total	2.77		1.71
	Copper	3.38		2.07
	Lead	0.69		0.43
	Nickel	3.98		2.38
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433 Subpart A (No CN) No.of CIUs: 15				

The count of Industrial Users and Categorical Industrial Users for each secton in this table entitled, "Categorical Standards," includes all companies including those that have gone out of business in the reporting year and those who are listed under multiple categories. The actual number of active permit as per the date of publishing is less than those shown.

Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Metal Finishing - New Source	Cadmium	0.11		0.07
	Chromium Total	2.77		1.71
	Copper	3.38		2.07
	Cyanide Total	1.20		0.65
	Lead	0.69		0.43
	Nickel	3.98		2.38
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433.17 Subpart A No.of CIUs: 96				
Nonferrous Metals Forming and Metal Powders	Chromium Total	0.009		0.0038
	Fluoride	1.51		0.67
	Nickel	0.014		0.009
	pH	>5.0		
40 CFR 471 Subpart C No.of CIUs: 1				
Nonferrous Metals Manufacturing - Secondary Precious Metals 40 CFR 421 Subpart X No.of CIUs: 1				

The count of Industrial Users and Categorical Industrial Users for each secton in this table entitled, "Categorical Standards," includes all companies including those that have gone out of business in the reporting year and those who are listed under multiple categories. The actual number of active permit as per the date of publishing is less than those shown.

Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Pharmaceutical Manufacturing	1,2-Dichlorobenzene			8.2
	1,2-Dichloroethane			8.2
	Acetone			8.2
	Benzene			0.7
	Chlorobenzene			0.7
	Chloroform O			0.03
	Cyanide Total			9.4
	Diethylamine			100
	Diisopropyl ether			8.2
	Ethylacetate			8.2
	Hexane			0.7
	Isobutyraldehyde			8.2
	Isopropylacetate			8.2
	Methyl formate			8.2
	Methyl isobutyl ketone			8.2
	Methylene Chloride O			0.7
	n-Amyl Acetate			8.2
	n-Butyl acetate			8.2
	n-Heptane			0.7
	Tetrahydrofuran			3.4
	Toluene O			0.2
	Triethylamine			100
	Xylene			0.7
40 CFR 439 Subpart A No.of CIUs: 1				

The count of Industrial Users and Categorical Industrial Users for each secton in this table entitled, "Categorical Standards," includes all companies including those that have gone out of business in the reporting year and those who are listed under multiple categories. The actual number of active permit as per the date of publishing is less than those shown.

Categorical Standards

FEDERAL INDUSTRIAL CATEGORY	STANDARDS			
	Parameter	Maximum Limit	Four Day Average Limit	Monthly Average Limit
Pharmaceutical Manufacturing	Acetone	20.7		8.2
	Ethylacetate	20.7		8.2
	Isopropylacetate	20.7		8.2
	Methylene Chloride 6	20.7		8.2
	n-Amyl Acetate	20.7		8.2
40 CFR 439 Subpart D No.of CIUs: 1				
Pulp, Paper and Paperboard	Pentachlorophenol	0.00096		
	Trichlorophenol	0.00030		
40 CFR 430 Subpart J No.of CIUs: 2				
Rubber Manufacturing	Oil and Grease	100.00		
40 CFR 428 Subpart G No.of CIUs: 1				
Steam Electric Power Generating - New Source	Chromium Total	0.2		0.2
	Copper	1.0		1.0
	Zinc	1.0		1.0
40 CFR 423 No.of CIUs: 4				

The count of Industrial Users and Categorical Industrial Users for each secton in this table entitled, "Categorical Standards," includes all companies including those that have gone out of business in the reporting year and those who are listed under multiple categories. The actual number of active permit as per the date of publishing is less than those shown.

2007 List of Industrial Users Subject to Combined Waste Formulas Based Limits

Permit #	**Company Name**
SC-346B	Advanced Power Technology-RF, Inc.
SC-092A	Applied Material Bldgs. 2 & 3
SC-205B	Celeritek, Inc.
SC-173B	Coherent, Inc.
SJ-024A	Cypress Semiconductor (3901 1st)
SJ-460B	Cypress Semiconductor (3939 1st)
SC-249A	Intel, Corp. D2P3
SJ-216B	Jennings Technology Corporation
SJ-499B	Johnson Matthey, Inc.
MI-088B	Linear Technology Corporation
SJ-035B	M-Pulse Microwave, Inc.
SJ-258A	Micrel, Inc.
SC-064B	Nu-Metal Finishing, Inc.
SJ-388B	OLS Energy-Agnews, Inc.
SC-264A	PerkinElmer, Inc.-Optoelectronics
SJ-528B	Philips Lumileds Lighting Company, LLC
SJ-522B	Qualcomm MEMS, Inc.
MI-075B	Sipex Corporation MI
SJ-150B	Universal Semiconductor
SC-370B	Universal Semiconductor Technology, Inc.
SC-282A	Vishay/Siliconix
MI-090B	WJ Communications

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COMBINED WASTESTREAM FORMULA CALCULATION

Advanced Power Technology – RF, Inc.
Permit No. SC- 346B

Combined Wastestream Formula (For Total Toxic Organics – TTO's):

$$CTTO = \frac{[(C469)(Q469) + (C433)(Q433)]}{Q469 + Q433} \times \frac{[QT - QD]}{QT}$$

Where:

CTTO	=	Combined Stream Standard for TTO
C469	=	Max limit for TTO Daily (From 40 CFR 469.16) = 1.37 mg/l
C433	=	Max limit for TTO Daily (From 40 CFR 433.15) = 2.13 mg/l
Q469	=	Average Daily Flow – Semiconductor Manufacturing = 3340 GPD
Q433	=	Average Daily Flow – Metal Finishing = 20 GPD
QT	=	Total Flow = 3360 GPD
QD	=	Dilution Flow = 0

$$CTTO = \frac{[(1.37\ mg/l)(3340\ GPD) + (2.13\ mg/l)(20\ GPD)]}{3340 + 20} \times \frac{[3360 - 0]}{3360}$$

$$= \frac{4575.80 + 42.60}{3360} \times 1$$

$$= \frac{4618.40}{3360}$$

Therefore:

CTTO = 1.37 mg/l

		Applied Materials SC-092A						02/01/2002
		combined waste stream limits calculations						
				433.17				
Total discharge is 126,500 gpd. Total discharge under 433.17 is 27,200 gpd.								
	27,200 divided by 126,500 = .22							
	A .22 factor will be multiplied times each federal limit to determine new limits							
	Existing limits			New Limits				
parameter	Max.	Average		Max.	Average			
Cadmium	0.11	0.07		0.02	0.015			
Chromium	2.77	1.71		0.61	0.38			
Copper	3.38	2.07		0.74	0.46			
Cyanide (total)	1.2	0.65		0.26	0.14			
Lead	0.69	0.043		0.15	0.09			
Nickel	3.98	2.38		0.88	0.52			
Silver	0.43	0.24		0.09	0.05			
TTO's	2.13			0.47				
Zinc	2.61	1.48		0.57	0.33			

Combined Wastestream Calculations for
Celeritek, Inc
SC-205

Flows to AWNS	Dilution	Process	
Wafer Fab		4,214	
Scrubber blowdown		1,760	
RO reject	1,146		
Totals	1,146	5,974	7,120

1146 / 7120 = 0.161 X 100 = 16.1 % dilution flow.

0.84 will be multiplied against the federal TTO limit to determine the new limit.

1.37 X .84 = 1.15

The calculated TTO limit is 1.15 mg/L

COMBINED WASTESTREAM FORMULA CALCULATION

COHERENT, INC.
SC-173B

Combined Wastestream Formula (For Total Toxic Organics):

$$C\ TTO = \frac{(CiFi)\ (Ft-Fd)}{(Fi)\ (Ft)}$$

where:

CTTO =	Applicable limit for Total Toxic Organics (TTO's), mg/L
Ci =	Federal limit from 40 CFR 469.18 (a), mg/L
Fi =	Regulated Stream (Semiconductor Manufacturing) , gals/day
Fd =	Dilution Stream (Laser Manufacturing) , gals/day
Ft =	Average Total Flow , gals/day

$$CTTO = \frac{(1.37 \times 3622)\ (8815 - 5193)}{(3622)\ (.8815)}$$

Therefore:

CTTO = 0.56 mg/L

Cypress Semiconductor Corp.

3901 North First Street, San Jose
Combined Wastestream Formula Calculation
SJ-024A

The combined wastestream formula $Ct = \frac{(CiFi)(Ft-Fd)}{(Fi)(Ft)}$

Where:

Ct= Adjusted concentration limit
Ci= Concentration limit under 40 CFR 469.18(a)
Ci for TTOs is 1.37 mg/l

Fi= Regulated stream, average daily flow = **78,886** gpd
Fab + Aspirators + scrubbers + scrubber = 78,886
63,889 + 1,440 + 11,757 + 1,800 = 78,886

Fd= Dilution stream, RO reject average daily flow = **18,181** gpd
Pumps + RO Reject + Cooling Tower = 18,181
1,440 + 13,641 + 3,100 = 18,181

Ft= Average total flow through sample point = **97,067** gpd

Calculation for TTOs

$$Ct = \frac{(1.37\ mg/l \times 78{,}886 gpd)}{78{,}886\ gpd} \frac{(97{,}067 gpd - 18{,}181 gpd)}{97{,}067\ gpd}$$

Ct= 1.37 mg/l X 0.81= 1.11 mg/l

Ct= **1.11 for TTOs**

COMBINED WASTESTREAM FORMULA (CWF) CALCULATION
For TTO limit at final sample point
Cypress Semiconductor (SJ-460B)
40 CFR 469.18

Name of Process generating wastewater	Categorical process average gpd	Dilution stream average gpd	Total average gpd
J-Lab	850		
Scrubber	100		
A-Lab		180	
FA-Lab		20	
Totals	950	200	
Total discharge through final sample point			1150

The Combined Wastestream Formula: $Ctto = \frac{(C469)(Q469)}{QT}$

Ctto = Combined wastestream limit for TTO

C469 = 1.37 mg/l TTO daily maximum limit from 40 CFR 469.18(a)

Q469 = 950 gpd average categorical discharge

QT = 1150 gpd total average discharge from facility

$Ctto = \frac{(1.37\ mg/l)(950\ gpd)}{1150\ gpd}$

Ctto = 1.13 mg/l for TTO

1.13 mg/l will be the federal TTO limit applied at the sample point.

Intel
SC-249A
Combined waste stream calculation for TTO's

Flow values from Industrial waste water discharge permit application flow chart.

Total Flow to AWNS = 409,550

Dilution Flows

Anion & Mixed Bed Regen =	900
RO Clean / Rinse =	1,400
Analytical =	2,200
Total =	4,500

$$\frac{409{,}550 - 4{,}500}{409{,}550} \times 1.37 = 1.35 \text{ mg/l for TTOs}$$

Metal Finishing Combined Wastestream Formula Calculations

Combined Wastestream Formula Daily Max Calculations

	mg/l	433 gpd	l/gal	468	Total gpd	mg/l
Chromium	2.77	3091	3.785	103.14	8294	**1.03**
Copper	3.38	3091	3.785	446.05	8294	**1.27**
Lead	0.69	3091	3.785	35	8294	**0.26**
Nickel	3.98	3091	3.785	450.64	8294	**1.50**
Zinc	2.61	3091	3.785	342.63	8294	**0.98**
TTOs	2.13	3091	3.785	152.41	8294	**0.80**

Combined Wastestream Formula Monthly average Calculations

	mg/l	433 gpd	l/gal	468	Total gpd	mg/l
Chromium	1.71	3091	3.785	41.98	8294	**0.64**
Copper	2.07	3091	3.785	234.78	8294	**0.78**
Lead	0.43	3091	3.785	30.28	8294	**0.16**
Nickel	2.38	3091	3.785	298.07	8294	**0.90**
Zinc	1.48	3091	3.785	143.02	8294	**0.56**

There are no "metal finishing" monthly average limits for TTO or oil & grease

Jennings Technology Company LLC
SJ-216B

Combined wastestream formula for 40 CFR 433.15 constituents not regulated in 40 CFR 468.14

$$Ct = \frac{(CiFi)}{Fi} \times \frac{(Ft-Fd)}{Ft}$$

Ct = Adjusted concetration limit
Ci = Concentration limit under 433.15
Fi = Regulated stream, average daily flow = 3091 gal
Fd = Dilution stream, average daily flow 468.14 average daily flow = 5203
Ft = Average total daily flow through sample point = 8294

Limits from 433.15

Parameter	Fed. Max	Average
Cd	0.69	0.26
Ag	0.43	0.24

The combined wastestream numbers are;

Parameter	Fed. Max	Average
Cd	0.26	0.1
Ag	0.16	0.09

Combined Wastestream formula for 40 CFR 468.14 Constituents not Regulated in 40 CFR 433.15: Oil & Grease

$$Ct = \frac{(CiFi)}{Fi} \times \frac{(Ft-Fd)}{Ft}$$

Ct = Adjusted concetration limit
Ci = Concentration limit under 468.14 (Max= 4689 : Ave=2818)
Fi = Regulated stream, average daily flow = 5203 gal
Fd = Dilution stream, average daily flow 433.15 average daily flow = 3091
Ft = Average total daily flow through sample point = 8294

Federal Max Oil & Grease calculations

$$\frac{4689 \times 5203}{5203} \times \frac{8294-3091}{8294} = 2947 \text{ mg/day}$$

$$\frac{2947 \text{ mg/day}}{5203} \times \frac{1}{3.785 \text{ L/gal}} = 0.09 \text{ mg/L}$$

Federal Average Oil & Grease calculations

$$\frac{2818 \times 5203}{5203} \times \frac{8294-3091}{8294} = 1753 \text{ mg/day}$$

$$\frac{1753 \text{ mg/day}}{5203} \times \frac{1}{3.785 \text{ L/gal}} = 0.06 \text{ mg/L}$$

Note: These limits are under detection limits and will not be applied.
The federal TTO limits and the local Oil & Grease limits will be applied.

Conversion of mass based limits to concentration based

for 471.35(t) Surface Treatment (Process #3)

250 days per year worked

944 lbs/year of metal processed

Limits from 471.35(t)

Pollutant	Daily Max.	Max Monthly Average
Chromium	0.874	0.354
Nickel	1.3	0.873
Fluoride	141	62.3

Calculations for **chromium** are:

Daily Max	0.874 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	mg/day 1.5
Monthly	0.354 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	0.61

Calculations for **nickel** are:

Daily Max	1.3 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	2.24
Monthly	0.873 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	1.5

Calculations for **fluoride** are:

Daily Max	141 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	242.5
Monthly	62.3 mg/day / Kg/day	X	944 lbs/year / (250 days/year)(2.2lb/kg)	=	107.2

Conversion of mass based limits to concentration based

for 471.35(ff) Miscellaneous wastewater sources
Process # 1, 2 and 5

250 days per year worked

Pounds per year calculated as follows

Process #	#1	#2	#3	Total	
	220 +	430+ 660	+ 944	2254 lbs	934

660lbs form #3 goes through #2

Limits from 471.35(ff)

Pollutant	Daily Max.	Max Monthly Average
Chromium	0.091	0.037
Nickel	0.136	0.091
Fluoride	14.7	6.5

Calculations for **chromium** are:

ily Max	0.091 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	0.37	mg/day
Monthly	0.037 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	0.15	mg/day

Calculations for **nickel** are:

Daily Max	0.136 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	0.56	mg/day
Monthly	0.0.91 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	0.37	mg/day

Calculations for **fluoride** are:

Daily Max	14.7 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	60.24	mg/day
Monthly	6.5 mg/day / Kg/day	X	2254 lbs/year / (250 days/year)(2.2lb/kg)	=	26.64	mg/day

Conversion of mass based limits to concentration based

Combining allocations for 471.35(t) and 471.35(ff)

53 gpd X 3.785 liters per day = 200.6 L/day

	471.35(t)		471.35(ff)				New concentration based limits
Chromium:							
Daily Max	1.5	+	0.37	=	1.87	mg/day	$\frac{1.87}{200.6}$ = **0.009322** mg/l
Monthly	0.61	+	0.15	=	0.76	mg/day	$\frac{0.76}{200.6}$ = **0.003789** mg/l
Nickel:							
Daily Max	2.24	+	0.56	=	2.8	mg/day	$\frac{2.8}{200.6}$ = **0.013958** mg/l
Monthly	1.5	+	0.37	=	1.87	mg/day	$\frac{1.87}{200.6}$ = **0.009322** mg/l
Fluoride:							
Daily Max	242.5	+	60.24	=	302.7	mg/day	$\frac{302.7}{200.6}$ = **1.508973** mg/l
Monthly	107.2	+	26.64	=	133.8	mg/day	$\frac{133.8}{200.6}$ = **0.666999** mg/l

Linear Technology Corp.
275 S. Hillview, Milpitas
MI-088B
Combined Wastestream Formula
Calculated 08/2005

At Sample Point #1	Diluting Waters average gpd	Process Waters average gpd
1. Wafer Fab		38,518
2. Reclaim	4,722	
3. Fume scrubber		21,000
Totals	4,722	59,518

Process wastestream		Dilution waters	Total gpd
59,518	+	4,722	64,240

from 40 CFR 469.18(a) TTO limit is 1.37

Using the CWF

$$1.37 \times \frac{64{,}240 - 4{,}722}{64{,}240} = 1.27 \text{ mg/L}$$

COMBINED WASTESTREAM FORMULA CALCULATION

M-Pulse Microwave, Inc.
Permit No. SJ-035B

The Combined Wastestream Formula: $Ctto = \frac{C469\ Q469 + C433\ Q433}{Q469 + Q433} \quad \frac{[QT-QD]}{[QT]}$

Where:

Ctto = Combines stream standards for TTO

C469 = 1.37 mg/l TTO daily max from 40 CFR 469.18(a)

C433 = 2.13 mg/l TTO daily max from 40 CFR 433.17

Q469 = 360 gallons per day (average daily flow – Semiconductor)

Q433 = 50 gallons per day (average daily flow – Metal Finishing)

QT = 410 gallons per day

QD = dilution flow = 0 gallons per day

$$Ctto = \frac{(1.37\ mg/l)\ (360\ gpd) + (2.13\ mg/l)\ (50\ gpd)}{410}$$

$$= \frac{493.2 + 106.5}{410} = \frac{599.7}{410} = 1.46$$

Ctto = 1.46 mg/l

Micrel Semiconductor, Inc
1849 Fortune Drive, San Jose
Combined Wastestream Formula Calculation
SJ-258A

The combined wastestream formula

$$Ct = \frac{(CiFi)\ (Ft-Fd)}{(Fi)\ (Ft)}$$

Where:

Ct= Adjusted concentration limit
Ci= Concentration limit under 40 CFR 469.18(a)
Ci for TTOs is 1.37 mg/l

Fi= Regulated stream, average daily flow = **140,800** gpd

Fd= Dilution stream, RO reject average daily flow = **50,000** gpd

Ft= Average total flow through sample point = **190,800** gpd

Calculation for TTOs

$$Ct = \frac{(1.37\ mg/l \times 140{,}800 gpd)\ (190{,}800 gpd - 50{,}000 gpd)}{140{,}800\ gpd \quad 190{,}800\ gpd}$$

Ct= **1.01 for TTOs**

Nu-Metal
2262 Calle Del Mundo, Santa Clara, CA
Estimated Adjustments for Federal Cyanide Limits

Appendix 2

Clean Water Act Requirements - Nu-Metal Finishing, Santa Clara
Final Discharge Holding Tank @ IMD-1A

Specific Numeric Limits (mg/l)	Fed Cat Stds d-max	Fed Cat Stds mo-av	Nat'l Prohib inst	a/ Local Limits inst	Local Limits d-max	Local Limits yr-av
antimony	-	-	-	5.0	-	-
arsenic	-	-	-	1.0	-	-
beryllium	-	-	-	0.75	-	-
cadmium	0.11	0.07	-	0.7	-	-
chromium	2.77	1.71	-	1.0	-	-
copper	3.38	2.07	-	2.7	1.0	0.4
lead	0.69	0.43	-	0.4	-	-
manganese	-	-	-	35.0	-	-
mercury	-	-	-	0.010	-	-
molybdenum	-	-	-	d/	-	-
nickel	3.98	2.38	-	2.6	1.1	0.5
selenium	-	-	-	2.0	-	-
silver	0.43	0.24	-	0.7	-	-
zinc	2.61	1.48	-	2.6	-	-
cyanide-total	0.35 b/	0.19 b/	-	1.0	-	-
cyanide-amenable	0.25 b/	0.09 b/	-	0.5	-	-
oil+grease	-	-	-	150.	-	-
phenol & derivatives	-	-	-	30.0	-	-
xylene	-	-	-	1.5	-	-
total toxic organics	2.13 c/		-	2.13	-	-
pH min (s.u.)	-	-	5.0	6.0	-	-
pH max (s.u.)	-	-	-	12.5	-	-
closed cup flashpoint	-	-	≥140°F	-	-	-
Regulation	40 CFR 433.17		40 CFR 403.5	Santa Clara City Code Chapter 23-1 et.seq.		

a/ National prohibitions and Santa Clara local limits also include narrative prohibitions against pass-through, interference, obstruction, sludge contamination, toxic gases/fumes, fire/explosion hazard, or causing heat >104°F at the municipal wastewater treatment plant

b/ Estimated adjustments to account for dilution from non-CN bearing flows based on the number of CN-bearing versus total overflow rinses.

$\#Tanks_{cyanide} \approx 5$ $\#Tanks_{total} \approx 17$

$Q_{cyanide} \approx 0.29\ Q_{total}$

c/ See Appendix 4 for the list of toxic organic from 40 CFR 433.11(e).

d/ Molybdenum, along with arsenic, cadmium, copper, lead, mercury, zinc, nickel, and selenium is regulated at the WWTP by the Fed sludge stds.

OLS Energy-Agnews, Inc

Combined Wastestream Formula Calculation

SJ-388B

The combined wastestream formula

$$Ct = \frac{(Ci)(Fi)(Ft-Fd)}{(Fi)(Ft)}$$

Where:

Ct= Adjusted concentration limit

Ci= Concentration limit under 40 CFR 423.17

Ci for copper is 1.0 mg/l; Ci for Zinc is 1.0 mg/l and Ci for Chromium is 0.2 mg/l

Fi= Regulated stream, average daily flow = **29,000** gpd

(Boiler blowdown + Cooling tower blowdown; 1,000 + 28,000)

Fd= Dilution stream, average daily flow = **23,000** gpd

(RO reject + water softner + DI regen)

Ft= Average total flow through sample point = **52,000** gpd

Calculation for copper and zinc

$$Ct = \frac{(1.0\ mg/l)(29{,}000\ gpd)(52{,}000\ gpd - 23{,}000\ gpd)}{29{,}000\ gpd \quad 52{,}000\ gpd}$$

Ct= **0.56 mg/l for copper and zinc is the federal daily max.**

Calculation for chromium

Ct= (0.2 mg/l) (0.56)

Ct= **0.11 mg/l for chromium is the federal daily max.**

Combined Wastestream Formula Calculation
Perkin Elmer, Inc Optoelectronics
2175 Mission College Blvd, Santa Clara, Ca
SC-264A

Process	Dilution flow	Categorical Flow	
Process Rinses		24804	
Scrubber		1010	
Cooling Tower	500		
RO reject	5666		
Filter backwash	1000		
Vacuum Pumps	20		
Total	7186	25814	33000 (total discharged)
	33000 - 7186 =	25814	
	25814 / 33000 =	0.78	

The federal 40 CFR 469.18 TTO limit is 1.37 mg/l

1.37 X .78 = 1.07 mg/l

1.07 mg/l will be the CWF limit applied at the final sample point.

Philips Lumileds Lighting Company, LLC
350W. Trimble Road, San Jose
SJ-528B
Combined Waste Stream Formula calculation

Name of Discharge	Process Flow (gpd)	Dilution Flow (gpd)
Service Building scrubber		5,000
Metals and HF treatment	14,000	
Cooling Tower blow down		3,400
B91 & B90 scrubbers	53,500	
B91 fab	108,000	
NS-2 AWNS	4,500	
Totals	180,000	8,400
Combined total Discharge	188,400	

180,000 divided by 188,400 = 0.955

The existing TTO limit from 469.18(a) is 1.37 mg/l

1.37 X 0.955 = 1.31 mg/l

1.31 mg/l will be the CWF applied to the Philips Lumileds permit.

A. 1 FEDERAL DISCHARGE CONDITIONS

Monitored by SJ/SC WPCP Using Appropriate Sampling

01 - Final at AWNS treatment area							
Pollutant	Unit	Daily Minimum	Daily Average Maximum	Monthly Average	Annual Average	Basis	Monitoring Frequency
pH	S.U.	5.0					Semiannual
Total Toxic Organics	mg/l		1.05			CWF	Semiannual

Composite Sample (COMP) - As specified in Part B. 2 of this Permit

_X_ The Total Toxic Organic compounds applicable to your facility are listed at 40 CFR 469.12(e) and on page 3.

For Total Toxic Organics, the method detection limit must be .010 mg/l or less.

Compliance with Federal discharge limits set forth in this Permit will be monitored using analytical methods and detection limits specified in 40 CFR 136.

WHERE MORE THAN ONE LIMIT IS APPLICABLE, COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT SHALL BE DETERMINED USING THE MOST STRINGENT APPLICABLE LIMIT

The Federal limits set forth above are:

_X_ Concentration Based or discharges prohibited in 40 CFR 403.5

_X_ Calculated using the Combined Wastestream Formula as specified in 40 CFR 403.6. See calculations below.

Combined Wastestream Calculations for
Qualcomm MEMS, INC

Flows to AWNS	Dilution Flow	Process Flow	
Wafer Fab		8,760	
Scrubber Blowdown		4,320	
Cooling Tower Blowdown	3,840		Total Flow
Totals	3,840	13,080	16,920

13,080 / 16,920 = 0.77

0.77 will be multiplied against the federal TTO limit to determine the new TTO limit.

1.37 X 0.77 = 1.05

The calculated TTO limit is 1.05 mg/l

COMBINED WASTESTREAM FORMULA CALCULATION

SIPEX CORPORATION
PERMIT NO. MI-075B

The Combined Wastestream Formula: $Ct = \frac{(CiFi)\ (Ft-Fd)}{(Fi)\quad (Ft)}$

Where:

Ct = Adjusted concentration limit

Ci = Concentration limit under 40 CFR 469.18 (1.37)

Fi = Regulated stream, average daily flow (43,685)

Fd = Dilution stream, average daily flow (14,000)

Ft = Average total flow through sample point (57,700)

$$Ct = \frac{(1.37\ mg/l)(43{,}685\ gpd)}{43{,}685\ gpd} \times \frac{(57{,}700\ gpd - 14{,}000\ gpd)}{57{,}700\ gpd}$$

Ct = 1.03

Total Toxic Organics

Universal Semiconductor

SJ-150B

Combined Waste Stream Calculation

Wastewater Flows to Sanitary In gpd	Process		Non Process	
Fab wastewater	2574			
Scrubber	5760			
RO reject			1287	
Total	8334	+	1287	= 9,621

Total of above two is 9621gpd

1287 divided by 9621 = 13% dilution flow

The federal TTO limit of 1.37 will be reduced by 13%

1.37 times .87 = 1.19

The combined wastestream limit for TTOs is 1.19 mg/l.

Combined Wastestream Calculation for
Universal Semiconductor Technology, Inc.
SC-370B

Flows to Acid Waste Neutralization System	Dilution	Process
Wafer Fabrication		5,192
Scrubber Blow down		1,990
RO Reject	1,146	
Softener	100	
Totals:	1,246	7,182

Calculations:

$\frac{(7,182-1,246)}{7,182}$ X 1.37 mg/l federal TTO limit = **1.13 mg/l** CWF federal TTO limit.

COMBINED WASTESTREAM CALCULATIONS
For

WJ Communications

Permit # MI-090B

Discharges to AWNS	Process	Dilution
GaAs Fab	6,965	
Thin Film	5,698	
Gold Plate	10	
Scrubbers	487	
Cooling Tower Blowdown		2,824
Reverse Osmosis		6,929
Total	13,160	9,753

Total discharge to AWNS 13,160 + 9,753 = 22,913 gpd

469.18 TTO limit = 1.37

13,160 divided by 22,913 = .57 X 1.37 = .79 mg/l

The federal TTO limit applied at sample point #1 will be 0.79 mg/l

Combined Wastestream Formula Calculations
For Sample Point 2

Vishay/Siliconix
Permit No. SC-282A

The Combined Wastestream Formula (CWF): $Ct = \frac{(CiFi)\ (Ft-Fd)}{(Fi)\ (Ft)}$

Where:

Ct = Adjusted concentration limit for TTO's

Ci1 = Concentration limit under 40 CFR 469.18(a): 1.37 mg/l TTO's
Ci2 = Concentration limit under 40 CFR 433.17(a): 2.13 mg/l TTO's

Fi1 = Regulated stream, average daily flow: 236,523 gpd
Fi2 = Regulated stream, average daily flow: 4,000 gpd

Fd = Dilution stream: 0gpd

Ft = Average total flow through sample point: 240,523 gpd

$$Ct = \frac{(1.37\ mg/l)(236{,}523\ gpd) + (2.13\ mg/l)(4{,}000\ gpd)}{(236{,}523\ gpd) + (4{,}000\ gpd)} \times \frac{(240{,}523\ gpd - 0\ gpd)}{240{,}523\ gpd}$$

Ct = 1.38 mg/l

Total Toxic Organic Federal Daily Maximum Limit at Sample Point 2 = 1.38 mg/l

Local Standards

Parameter	Limits (mg/l)		
	Maximum Allowable	**Group 2 Annual Average**	**Group 2 Daily Average**
Antimony (Sb)	5.0		
Arsenic (As)	1.0		
Beryllium (Be)	0.75		
Cadmium (Cd)	0.70		
Chromium (Cr)	1.0		
Copper (Cu)	2.7	0.40	1.00
Cyanide Total (Cn-T)	0.50		
Lead (Pb)	0.4		
Manganese (Mn)	35.0		
Mercury (Hg)	0.010		
Nickel (Ni)	2.6	0.50	1.10
Oil and Grease (O&G)	150		
pH (pH) (standard units)	6.0-12.5		
Phenols (Phen)	30.0		
Selenium (Se)	2.0		
Silver (Ag)	0.70		
Total Toxic Organics – Local (TTO-L)	2.13		
Xylene (Xyl)	1.5		
Zinc (Zn)	2.6		

New local limits will be adopted for 2008. See Pretreatment Program Changes for further details.

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Updated List of Regulated Significant Industrial Users

This section consists of three tables summarizing the changes made to the list of Significant Industrial User (SIU) facilities that discharge to the San Jose/Santa Clara Water Pollution Control Plant (the Plant). As of December 31, 2007 there were 155 SIUs discharging to the Plant. These facilities were classified as SIUs because they are either classified as having a categorical industrial user (CIU) process or have a discharge that is over 25,000 gallons per day. The following describes each table:

- **Updated List of Regulated SIUs** contains a complete listing of all SIUs as of December 31, 2007. Each SIU is listed in alphabetical order by facility name. The table also includes the discharger's permit number, address, and reason why each discharger is classified as an SIU.
- **Deleted SIUs for 2007** lists all SIUs that no longer have a permit, or are no longer an SIU. Each SIU listed shows the permit number, the discharger's address, the federal category under 40 CFR for the discharger where applicable, and a reason that the discharger was deleted or is no longer an SIU.
- **Newly Permitted SIUs in 2007** lists all SIUs that received a new permit in 2007, the new permit number, the discharger's address, and the federal category under 40 CFR for each SIU where applicable.

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UPDATED LIST OF REGULATED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
1	A & E Anodizing	SJ-314B	652-A Charles St	SAN JOSE	95112	433A
2	A-1 Plating, Inc. (Walsh)	SC-329B	870 Walsh Ave	SANTA CLARA	95050	433A
3	A-1 Plating, Inc.	SC-041A	2655 Lafayette St	SANTA CLARA	95050	433A
4	Advanced Component Labs	SC-360B	990 Richard Ave	SANTA CLARA	95050	433A
5	Advanced Power Technology-RF, Inc.	SC-346B	3000 Oakmead Village Ct	SANTA CLARA	95051	433A & 469A
6	Advanced Printed Circuit Technology	SC-065A	3495 De la Cruz Blvd	SANTA CLARA	95054	433A
7	Advanced Surface Finishing Inc.	SJ-514B	1181 N 4th St	SAN JOSE	95112	433A
8	Agilent Technologies, Inc.(Stevens Creek)	SC-321B	5301 Stevens Creek Blvd	SANTA CLARA	95051	433A
9	Airtronics Metal Products	SJ-319B	1980 Senter Rd	SAN JOSE	95112	433A
10	Allergan, Inc.	WV-044B	503-F Vandell Way	CAMPBELL	95008	439A
11	Alsco	SJ-546B	2275 Junction Ave	SAN JOSE	95131	>25K GPD
12	Altaflex, Inc.	SC-316B	336 Martin Ave	SANTA CLARA	95050	433A
13	Amex Plating, Inc.	SC-182B	3333 Woodward Ave	SANTA CLARA	95054	433A
14	Amptech, Inc.	MI-122B	1530 McCarthy Blvd	MILPITAS	95035	433A & 469A
15	Applied Anodize, Inc.	SJ-025B	622 Charcot Ave	SAN JOSE	95131	433A
16	Applied Materials, Bldgs. 2 & 3	SC-092A	3300 Scott Blvd	SANTA CLARA	95054	433A
17	Arnold's Metal Finishing	SC-369B	805 Aldo Ave	SANTA CLARA	95054	433A
18	Beta Circuits	SC-318B	1200 Norman Ave	SANTA CLARA	95054	433A
19	Bi-CMOS Foundry	SC-349B	975 Comstock St	SANTA CLARA	95054	469A
20	Bluegrass Mills Holdings Company, LLC	SC-371B	2600 De La Cruz Blvd	SANTA CLARA	95050	430J
21	Burke Industries, Inc. (Tenth)	SJ-201B	2250 S Tenth St	SAN JOSE	95112	428G
22	California Paperboard Corp.	SC-005C	525 Mathew St	SANTA CLARA	95050	430J
23	CBR Circuits	MI-013B	116 Minnis Cir	MILPITAS	95035	433A
24	Celeritek, Inc.	SC-205B	3236 Scott Blvd	SANTA CLARA	95054	433A & 469A
25	Cirexx Corp.	SC-034A	3391 Keller St	SANTA CLARA	95054	433A
26	City of Santa Clara, dba Silcon Valley Power, Pico Power Project	SC-354B	850 Duane Ave	SANTA CLARA	95054	423
27	Clean Harbors San Jose LLC	SJ-487A	1021 Berryessa Rd	SAN JOSE	95133	437A
28	Coherent, Inc.	SC-173B	5100 Patrick Henry Dr	SANTA CLARA	95054	469A
29	Component Finishing, Inc.	SC-002B	800 Aldo Ave	SANTA CLARA	95054	433A
30	Compugraphics USA	WV-052B	120C Albright Way	LOS GATOS	95030	433A
31	Cordova Printed Circuits	MI-017B	1648 Watson Ct	MILPITAS	95035	433A
32	Crain Cutter Co. Inc.	MI-070C	1155 Wrigley Way	MILPITAS	95035	433A

UPDATED LIST OF REGULATED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
33	CSL, Inc./AA Metal Processing	SC-133B	529 Aldo Ave	SANTA CLARA	95054	433A
34	Cypress Semiconductor (3901 N. 1st)	SJ-024A	3901 N 1st St	SAN JOSE	95134	469A
35	Cypress Semiconductor Corp.(3939 N. 1st)	SJ-460B	3939 N 1st St	SAN JOSE	95134	469A
36	Diana Fruit Company	SC-002C	651 Mathew St	SANTA CLARA	95050	407
37	Disc Stampers, LLC	MI-121B	1103 Montague Expy	MILPITAS	95035	433A
38	Du All Anodizing Company	SJ-010B	730 Chestnut St	SAN JOSE	95110	433A
39	Dynamic Details, Inc	MI-014A	1831 Tarob Ct	MILPITAS	95035	433A
40	Eagle Tech Inc	SJ-520B	2299 Ringwood Ave	SAN JOSE	95131	433A
41	E-Fab, Inc.	SC-096B	1075 Richard Ave	SANTA CLARA	95050	433A
42	Elcon, Inc.	SJ-063B	1009 Timothy Dr	SAN JOSE	95133	433A
43	Electropolishing Shop	SC-193B	3475 Victor St	SANTA CLARA	95054	433A
44	ENS Technology	SC-252A	3165 Molinaro St	SANTA CLARA	95054	433A
45	EPZ, Inc.	SC-328B	3005 Copper Rd	SANTA CLARA	95051	433A
46	Etched Media	WV-009B	101 Gilman Ave	CAMPBELL	95008	433A
47	Evenstar	SC-034B	809 Aldo Ave	SANTA CLARA	95054	433A
48	Excelics Semiconductor, Inc.	SC-256B	2908 Scott Blvd	SANTA CLARA	95054	469A
49	Fairchild Imaging, Inc.	MI-100B	1801 McCarthy Blvd	MILPITAS	95035	469A
50	Finishing First, Inc.	SC-010B	1020 Duane Ave	SANTA CLARA	95054	433A
51	Flex Interconnect Tech	MI-116B	1603 Watson Ct	MILPITAS	95035	433A
52	Four-D Metal Finishing, Inc.	SC-375B	3310 Edward Ave	SANTA CLARA	95054	433A
53	Fujifilm Dimatix, Inc.	SC-376B	2230 Martin Ave	SANTA CLARA	95050	433A
54	G & K Services	SJ-313C	2275 Junction Ave	SAN JOSE	95131	>25K GPD
55	Harbor Electronics, Inc.	SC-301B	3021 Kenneth St	SANTA CLARA	95054	433A
56	Haro's Anodizing Specialists	SC-222B	630 Walsh Ave	SANTA CLARA	95050	433A
57	Headway Technologies, Inc.	MI-057A	497 S Hillview Dr	MILPITAS	95035	433A
58	Hitachi Global Storage Technologies, Inc.	SJ-533B	3403 Yerba Buena Rd	SAN JOSE	95135	433A
59	Hitachi Global Technologies, Inc	SJ-495A	5600 Cottle Rd	SAN JOSE	95123	433A
60	Hunter Technology Corporation	SC-338B	3305 Kifer Rd	SANTA CLARA	95051	433A
61	IBM Almaden Center	SJ-284B	650 Harry Rd	SAN JOSE	95120	433A
62	Infiniti Circuits Manufacturing	SJ-020A	1565-A Mabury Rd	SAN JOSE	95133	433A
63	INTA Technologies	SC-307B	2281 Calle de Luna	SANTA CLARA	95054	433A
64	Intel Corporation, SC-1	SC-030A	3065 Bowers Ave	SANTA CLARA	95052	469A
65	Intel Corporation, SC-2	SC-277A	3065 Bowers Ave	SANTA CLARA	95052	433A
66	Intel Corporation	SC-028A	2150 Mission College Blvd	SANTA CLARA	95052	469A
67	Intel, Corp. D2P3	SC-249A	2150 Mission College Blvd	SANTA CLARA	95052	469A

UPDATED LIST OF REGULATED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
68	International Disposal Corporation, Inc	SJ-437A	700 Los Esteros Rd	SAN JOSE	95134	>25K GPD
69	Intevac	SC-259B	3580 Bassett St	SANTA CLARA	95054	469A
70	Ionics UltraPure Water Corporation	SJ-393A	5900 Silver Creek Valley Rd	SAN JOSE	95138	>25K GPD
71	Italix Company, Inc.	SC-028B	2232 Calle del Mundo	SANTA CLARA	95054	433A
72	J & K Anodize, Inc	SJ-550B	354 Umbarger Rd	SAN JOSE	95111	433A
73	JDS Uniphase (Rose)	SJ-493B	80 Rose Orchard Way	SAN JOSE	95134	469A
74	Jennings Technology Corporation	SJ-216B	970 McLaughlin Ave	SAN JOSE	95122	433A & 468A
75	Johnson Matthey, Inc	SJ-499B	1070 Commercial St	SAN JOSE	95112	471C
76	K & S Metal Finishing Co.	SC-298B	1232 Memorex Dr	SANTA CLARA	95050	433A
77	Kion Technology, Inc.	SJ-191B	2190 Old Oakland Rd	SAN JOSE	95131	433A
78	KMIC Technology, Inc (formerly CPI)	SJ-504B	1019 E Brokaw Rd	SAN JOSE	95131	433A
79	Lenthor Engineering, LLC	MI-112B	1478 Gladding Ct	MILPITAS	95035	433A
80	Lenthor Engineering	MI-018B	1514 Gladding Ct	MILPITAS	95035	433A
81	Linear Technology Corporation	MI-088B	275 S Hillview Dr	MILPITAS	95035	469A
82	LSA-Cleanpart, LLC	SJ-318B	1610-B Berryessa Rd	SAN JOSE	95133	433A
83	Magic Technologies, Inc	MI-118B	463 S Milpitas Blvd	MILPITAS	95035	433A & 469A
84	Maxim Integrated Products, Inc.	SJ-369B	3725 N 1st St	SAN JOSE	95134	469A
85	Merit Sensor Systems	SC-164B	2330 Walsh Ave	SANTA CLARA	95051	469A
86	Merix San Jose	SJ-518B	335 Turtle Creek Ct	SAN JOSE	95125	433A
87	Metcalf Energy Center LLC	SJ-515B	1 Blanchard Rd	SAN JOSE	95013	423
88	Micrel, Inc.	SJ-258A	1849 Fortune Dr	SAN JOSE	95131	469A
89	Micro-Chem, Inc.	SC-218B	2986 Oakmead Village Ct	SANTA CLARA	95051	433A
90	Microsemi, Inc.	SC-380B	3000 Oakmead Village Dr	SANTA CLARA	95051	433A & 469A
91	MITICO Metal Finishers, Inc.	SJ-553B	1291 Oakland Rd	SAN JOSE	95112	433A
92	Mohawk Packing, Div. of John Morrell	SJ-373C	1660 Old Bayshore Hwy	SAN JOSE	95106	>25K GPD
93	Momentum Technologies Corp. dba Momentum Metal Finishing	SC-381B	1232 Memorex Dr	SANTA CLARA	95050	433A
94	M-Pulse Microwave, Inc.	SJ-035B	576 Charcot Ave	SAN JOSE	95131	433A & 469A
95	M'S Refinishing	SC-120B	965 Richard Ave	SANTA CLARA	95050	433A
96	Nanoink, Inc	WV-058B	215 E Hacienda Ave	CAMPBELL	95008	469A
97	NanoNexus, Inc	SJ-501B	2520 Junction Ave	SAN JOSE	95131	433A
98	Novellus Systems, Inc. 4000 N. First	SJ-383B	4000 N 1st St	SAN JOSE	95134	433A
99	Nu-Metal Finishing, Inc.	SC-064B	2262 Calle Del	SANTA CLARA	95054	433A
100	OLS Energy-Agnews, Inc.	SJ-388B	3800 Cisco Way	SAN JOSE	95134	423
101	Pac Tech USA Packaging	SC-343B	328 Martin Ave	SANTA CLARA	95050	433A

UPDATED LIST OF REGULATED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
102	Paramount's Great America	SC-304A	2401 Agnew Rd	SANTA CLARA	95054	>25K GPD
103	Parlex Corporation - San Jose Division	SJ-459B	1756 Junction Ave	SAN JOSE	95112	433A
104	Peninsula Metal Fabrication	SJ-438B	2221 Ringwood Ave	SAN JOSE	95131	433A
105	PerkinElmer, Inc.-Optoelectronics	SC-264A	2175 Mission College Blvd	SANTA CLARA	95054	469A
106	Philips Lumileds Lighting Company, LLC	SJ-528B	370 W Trimble Rd	SAN JOSE	95131	469A
107	PK Selective Metal Plating, Inc.	SC-013B	415 Mathew St	SANTA CLARA	95050	433A
108	Process Stainless Lab., Inc.	SC-276B	1280 Memorex Dr	SANTA CLARA	95050	433A
109	Prodigy Surface Tech, Inc.	SC-344B	807 Aldo Ave	SANTA CLARA	95054	433A
110	Prudential Overall Supply	MI-040B	1429 N Milpitas Blvd	MILPITAS	95035	>25K GPD
111	Pycon, Inc.	SC-061A	3501 Leonard Ct	SANTA CLARA	95051	433A
112	Pyramid Circuits	SC-009B	1405 Richard Ave	SANTA CLARA	95050	433A
113	Qualcomm MEMS Technologies	SJ-522B	2581 Junction Ave	SAN JOSE	95134	469A
114	Quality Plating, Inc.	SJ-079B	1680 Almaden Expy	SAN JOSE	95125	433A
115	QualTech Circuits, Inc.	SC-345B	1101 Comstock St	SANTA CLARA	95054	433A
116	Reaction Technology	SC-147B	3400 Bassett St	SANTA CLARA	95054	>25K GPD
117	S.J. Valley Plating, Inc.	SC-017B	491 Perry Ct	SANTA CLARA	95054	433A
118	San Jose State University Cogen Plant	SJ-448B	260 S 9th St	SAN JOSE	95112	423
119	San Jose Water Co WV-902B Saratoga Filtration Plant	WV-902B	21200 Congress Springs Rd	SARATOGA	95070	>25K GPD
120	Sanmina Corp Plant I	SJ-022A	2101 O'Toole Ave	SAN JOSE	95131	433A
121	Sanmina Corp Plant II	SJ-043A	2068 Bering Dr	SAN JOSE	95131	433A
122	Santa Clara Plating Co.	SC-029B	1769 Grant St	SANTA CLARA	95050	433A
123	Santa Clara Valley Health and Hospital S	WV-055B	751 S Bascom Ave	SAN JOSE	95128	>25K GPD
124	Seagate Technology, Incorporated	MI-105A	195 S Milpitas Blvd	MILPITAS	95035	>25K GPD
125	Siemens Water Technologies Corp.	MI-065C	960 Ames Ave	MILPITAS	95035	>25K GPD
126	Silicon Microstructures	MI-108B	1701 McCarthy Blvd	MILPITAS	95035	469A
127	Silicon Valley Electroplating Corp.	MI-055B	1486 Gladding Ct	MILPITAS	95035	433A
128	Sipex Corporation MI	MI-075B	233 S Hillview Dr	MILPITAS	95035	469A
129	Streamline Circuits	SC-350A	1415 Richard Ave	SANTA CLARA	95050	433A
130	Sun Surface Technology	SJ-510B	950 Rincon Cir	SAN JOSE	95131	433A
131	Superior Chrome	SJ-263B	1616 Pomona Ave	SAN JOSE	95110	433A
132	Supertex, Inc.	SJ-398B	71 Vista Montana	SAN JOSE	95134	469A
133	Swift Metal Finishing	SC-035B	1161 Richard Ave	SANTA CLARA	95050	433A
134	T. Marzetti Co.- West	MI-004C	876 Yosemite Dr	MILPITAS	95035	407
135	Teikoku Pharma USA	SJ-513B	1718 Ringwood Ave	SAN JOSE	95131	439D

UPDATED LIST OF REGULATED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
136	Telewave, Inc	SJ-471B	660 Giguere Ct	SAN JOSE	95133	433A
137	Teltec Corporation DBA: Gorilla Circuits	SJ-449B	1509 Berger Dr	SAN JOSE	95112	433A
138	THAT Corporation	MI-078B	495 Fairview Way	MILPITAS	95035	469A
139	Toppan Photomasks, Inc.	SC-050B	2920/2970 Coronado Dr	SANTA CLARA	95054	433A
140	TTM Technologies, Inc - Santa Clara Division	SC-374A	359 Mathew St	SANTA CLARA	95050	433A
141	Tyco Electronics, M/A-COM	SJ-494B	5300 Hellyer Ave	SAN JOSE	95138	433A
142	Uni-Flex Circuits, Inc.	SJ-399B	1782 Angela St	SAN JOSE	95125	433A
143	United Plating Services	SJ-347B	810 Park Ave	SAN JOSE	95126	433A
144	United Supertek, Inc.(Formerly, Hi-Temp Technologies)	SJ-122B	118 Charcot Ave	SAN JOSE	95131	433A
145	Universal Semiconductor Technology, Inc	SC-370B	3236 Scott Blvd	SANTA CLARA	95054	469A
146	Universal Semiconductor	SJ-150B	1925 Zanker Rd	SAN JOSE	95112	469A
147	University Plating	SJ-028B	650 University Ave	SAN JOSE	95110	433A
148	U-TECH Media USA, LLC	SJ-540B	163 Baypoint Pkwy	SAN JOSE	95134	433A
149	Variety Metal Finishing	SJ-111B	1166 Campbell Ave	SAN JOSE	95126	433A
150	Vector Fabrication	MI-059B	1629 Watson Ct	MILPITAS	95035	433A
151	Vishay/Siliconix	SC-282A	2201 Laurelwood Rd	SANTA CLARA	95054	433A & 469A
152	VISSSIX LLC	SC-284B	2966 Scott Blvd	SANTA CLARA	95054	433A & 469A
153	VLSI Standards, Inc.,	SJ-305B	3087 N 1st St	SAN JOSE	95134	469A
154	Wafer Reclaim Service, LLC	SJ-552B	2240 Ringwood Ave	SAN JOSE	95131	>25K GPD
155	WD Media, Inc.	SJ-551A	1710 Automation Pkwy	SAN JOSE	95131	>25K GPD

Deleted SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	SIU REASON	REASON FOR DELETION
1	Advanced Metal Finishers LLC	SJ-516B	1291 Oakland Rd	SAN JOSE	95112	433A	Ownership and Name Change to MITICO Metal Finishers SJ-553B
2	Ambitech Int'l, Inc.- Hunter Tech. Div.	SC-338B	3305 Kifer Rd	SANTA CLARA	95051	433A	Name changed to Hunter Technology Corporation, no new facility
3	CS Plating	SJ-071B	1258 Alma Ct	SAN JOSE	95112	413A-H	Out of Business
4	Crown Disc	MI-115B	1103 Montague Expy	MILPITAS	95035	433A	Out of Business
5	Dimatix, Inc (formerly Spectra, Inc.)	SC-342B	2230 Martin Ave	SANTA CLARA	95050	433A	Name and Ownership Change to Fujifilm Dimatix, SJ-376B
7	ECS Refining	SC-144B	705 Reed St	SANTA CLARA	95050	>25K GPD	IU Re-categorized to Non-Categorical, no longer has process
8	Exchange Linen Service	SJ-022C	2222 Senter Rd	SAN JOSE	95112	>25K GPD	Name and Ownership Change to Also SJ-546B
9	Hi-Temp Technologies, Inc.	SJ-122B	118 Charcot Ave	SAN JOSE	95131	433A	Name changed only to United Supertek, Inc. no other change so not a newly created facility
10	J & K Anodize, Inc	SJ-550B	354 Umbarger Rd	SAN JOSE	95111	433A	Ownership changed to Jarnail Banwait will be effective in 2008
11	Komag, Inc., Bldg 10	SJ-341A	1710 Automation Pkwy	SAN JOSE	95131	>25K GPD	Ownership change to WD Media SJ-551A
12	Lightwaves 2020	MI-104B	1323 Great Mall Dr	MILPITAS	95035	>25K GPD	IU Re-categorized to Non-SIU, does not have process flows >25K GPD
13	MITICO Metal Finishers, Inc.	SJ-553B	1291 Oakland Rd	SAN JOSE	95112	433A	Ownership changed to Son Ho will be effective in 2008
14	Noranda Recycling Inc.	SJ-556Z	1695 Monterey Rd	SAN JOSE	95112		Name changed to Xstrata Recycling, Inc. will be effective in 2008
17	Triad Tool And Engineering, Inc.	SJ-273B	1750 Rogers Ave	SAN JOSE	95112	433A	De-Permitted, no longer has process.

Deleted SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	SIU REASON	REASON FOR DELETION
	Serra Micro Chassis	SJ-034A	3590 Snell Ave	SAN JOSE	95136	433A	De-Permitted, never had process, just kept permit over years, finally decided not renew
	Solyndra, Inc.	SC-378B	3260 Scott Blvd	SANTA CLARA	95054	433A	Out of Business
18	Twin Solutions, Inc	SJ-527B	163 Baypointe Pkwy	SAN JOSE	95134	433A	Change of Ownership. Now U-TECH Media, Inc., which is moving to Milpitas at the beginning of 2008
19	Tyco Printed Circuit Group/ Santa Clara	SC-285A	359 Mathew St	SANTA CLARA	95050	433A	Name and Ownership to TTM Technologies Inc. – Santa Clara SC-374A
20	Uni-Flex Circuits, Inc.	SJ-399B	1782 Angela St	SAN JOSE	95125	433A	Ownership changed to Lito Bautista no new facility
21	United Plating	SJ-347B	810 Park Ave	SAN JOSE	95126	433A	Name changed to United Plating Services no new facility
23	WJ Communications	MI-090B	1530 McCarthy Blvd	MILPITAS	95035	433A & 469A	Name and Ownership Change to Ambitech, Inc. MI-122B
24	Wafer Reclaim Service, Inc	SJ-294B	2467 Autumnvale Dr	SAN JOSE	95131	>25K GPD	Moved third quarter of 2007
25	Wafer Reclaim Service, Inc.	SJ-541B	2240 Ringwood Ave	SAN JOSE	95131	>25K GPD	Name and Ownership Change to Wafer-Reclaim Service, LLC SJ-552B

NEWLY PERMITTED SIUs - 2007

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
1	Alsco	SJ-546B	2275 Junction Ave	SAN JOSE	95131	>25K GPD
2	Amptech, Inc.	MI-122B	1530 McCarthy Blvd	MILPITAS	95035	433A & 469A
3	Disc Stampers, LLC	MI-121B	1103 Montague Expy	MILPITAS	95035	433A
4	Fujifilm Dimatix, Inc.	SC-376B	2230 Martin Ave	SANTA CLARA	95050	433A
5	MITICO Metal Finishers, Inc.	SJ-553B	1291 Oakland Rd	SAN JOSE	95112	433A
6	Momentum Technologies Corp. dba Momentum Metal Finishing	SC-381B	1232 Memorex Dr	SANTA CLARA	95050	433A
7	TTM Technologies, Inc - Santa Clara Division	SC-374A	359 Mathew St	SANTA CLARA	95050	433A
8	U-TECH Media USA, LLC	SJ-540B	163 Baypoint Pkwy	SAN JOSE	95134	433A
9	Wafer Reclaim Service, Inc.	SJ-541B	2240 Ringwood Ave	SAN JOSE	95131	>25K GPD
10	Wafer Reclaim Service, LLC	SJ-552B	2240 Ringwood Ave	SAN JOSE	95131	>25K GPD
11	WD Media, Inc.	SJ-551A	1710 Automation Pkwy	SAN JOSE	95131	>25K GPD

Enforcement Summary 2007

This section contains a summary of compliance and enforcement activities during 2007. Note, the following tables list enforcement actions "issued" in 2007. Therefore, some enforcement actions in 2007 were issued for 2006 City sample results or self monitoring report violations that were not available until after January 31, 2007. In addition, some of later 2007 violations listed in the 2007 Second Semi-annual Industrial User Violation Report will also not be included until the 2008 Annual Report since some of the enforcement actions were not issued until January 2008. The following summarizes where in the section (or in other report sections) the various enforcement actions are located:

- The tables entitled "Compliance Activities 2007" lists separated into each categorical industrial user type or the non-categorical significant industrial user type the number of City inspections, number of City and IU sampling events, and the compliance status for each quarter in 2007.
- The table entitled, "SIU Enforcement Summary 2007" provides a summary of all the Notices of Violation and Warning Notices that were issued in 2007.
- Administrative Orders - There were none issued.
- Civil Actions – See "Other Subjects" for discussion on Variety Metals.
- Criminal Actions - There were none taken.
- Assessment of monetary penalties - The page entitled, "Table of Administrative Citations" lists all the Industrial Waste Discharge Regulation violation administrative citations issued by the City of San Jose in 2007. The page entitled, "Summary of City of Santa Clara Surcharges for All Permitted Industrial Users for 2007" lists the sewer surcharges issued by City of Santa Clara in 2007 for applicable violations.
- Order to restrict/suspend discharge to the San Jose/Santa Clara Water Pollution Control Plant (the Plant) – None were issued.
- Order to disconnect the discharge from entering the Plant – None were issued.

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **ALL OTHER SIUs NONCATEGORICAL**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Alsco 2275 Junction Ave San Jose, CA 95131	SJ-546B	1 2 3 4	 2 5 1	 2 15 16	 2 	UN CC IL IL	The industrial user (IU) began operations in May 2007. A Verbal Warning and a Warning Notice were issued for oil and grease violations in the third and fourth quarters of 2007.
Exchange Linen Service 2222 Senter Rd San Jose, CA 95112	SJ-022C	1 2 3 4	1 1 	16 12 	1 	CC CC NS NS	The IU changed ownership and then moved to another location in the second quarter of 2007. The new name for this IU is Alsco and it is now located at 2275 Junction Ave., San Jose.
G & K Services 2275 Junction Ave San Jose, CA 95131	SJ-313C	1 2 3 4	 	 	 	NS NS NS NS	The company closed at this address in the fourth quarter of 2006. Closure plans were not complete until the first quarter of 2007. There were no samples or inspections done in 2007.
International Disposal Corporation, Inc 700 Los Esteros Rd San Jose, CA 95134	SJ-437A	1 2 3 4	 1 1	 1 1	 1 2	NS CC NS CC	A Verbal Warning was issued for low pH on a self monitoring report in the fourth quarter of 2007.

Compliance Status Key

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **ALL OTHER SIUs NONCATEGORICAL (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Ionics UltraPure Water Corporation 5900 Silver Creek Valley Rd San Jose, CA 95138	SJ-393A	1		6	1	IL	A Verbal Warning was issued for pH strip chart recorder excursions in the fourth quarter of 2007.
		2	1	7	1	CC	
		3		8		CC	
		4	2	8		CC	
Komag, Inc., Bldg 10 1710 Automation Pkwy San Jose, CA 95131	SJ-341A	1		7		CC	Consistent Compliance in 2007. The IU changed ownership in third quarter and new owner permit issued at the end the fourth quarter of 2007. The new name is WD Media, Inc.
		2		6	1	CC	
		3		7		CC	
		4		6		CC	
Mohawk Packing, Div. of John Morrell 1660 Old Bayshore Hwy San Jose, CA 95106	SJ-373C	1		18	1	CC	Consistent Compliance in 2007. A Verbal Warning was issued for oil and grease concentration limit violation in the fourth quarter of 2007.
		2	1	18		CC	
		3		18	1	CC	
		4	1	18	1	CC	
Paramount's Great America 2401 Agnew Rd Santa Clara, CA 95054	SC-304A	1				NS	Consistent compliance in 2007. This IU is permitted for Flow only. Flow data is required annually.
		2	1			NS	
		3				NS	
		4			1	NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **ALL OTHER SIUs NONCATEGORICAL (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Prudential Overall Supply 1429 N Milpitas Blvd Milpitas, CA 95035	MI-040B	1	1	4	2	IL	Seven Verbal Warnings were issued in the first, second and third quarters of 2007 for average annual copper concentration limit violations. Average annual violation was caused by a previous high sample taken in the fourth quarter of 2006.
		2		1	3	IL	
		3	1	4	3	IL	
		4		2	1	CC	
Reaction Technology 3400 Bassett St Santa Clara, CA 95054	SC-147B	1		1		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	1	1		CC	
		4			1	CC	
San Jose Water Co WV-902B Saratoga Filtration Plant 21200 Congress Springs Rd Saratoga, CA 95070	WV-902B	1		1	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3		1	1	CC	
		4	1			NS	
Santa Clara Valley Health and Hospital S 751 S Bascom Ave San Jose, CA 95128	WV-055B	1				NS	Consistent compliance in 2007. This IU is permitted for flow only. Flow data is required annually.
		2			2	NS	
		3	1			NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **ALL OTHER SIUs NONCATEGORICAL (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Seagate Technology, Incorporated 195 S Milpitas Blvd Milpitas, CA 95035	MI-105A	1		2	3	CC	Consistent Compliance in 2007.
		2	1	3	3	CC	
		3		2	2	CC	
		4	1	4	3	CC	
Siemens Water Technologies Corp. 960 Ames Ave Milpitas, CA 95035	MI-065C	1		2		SNF/SNL	Formerly U.S. Filters/Ionpure. Name change only, no ownership change. A Notice of Violation was issued in the first quarter of 2007 for late submittal of self-monitoring report. The report was due 12/31/2006 and was received on 2/07/2007. This report was more than 30 days late therefore the IU was considered to be in significant non-compliance in the first quarter of 2007. The facility returned to consistent compliance for the rest of 2007.
		2	2	2	1	CC	
		3		3		CC	
		4	1	1	1	CC	
Wafer Reclaim Service, Inc 2467 Autumnvale Dr San Jose, CA 95131	SJ-294B	1	1	1		CC	Consistent Compliance in 2007. Company closed this facility during the third quarter and moved operations to Ringwood Avenue.
		2	1		1	CC	
		3	1	1		CC	
		4					

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **ALL OTHER SIUs NONCATEGORICAL (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Wafer Reclaim Service, Inc. 2240 Ringwood Ave San Jose, CA 95131	SJ-541B	1	1			UN	Consistent Compliance in 2007. Company changed ownership during the fourth quarter and name of company was changed to Wafer Reclaim Service, LLC.
		2				UN	
		3	1	2		CC	
		4				UN	
Wafer Reclaim Service, LLC 2240 Ringwood Ave San Jose, CA 95131	SJ-552B	1				UN	Formerly Wafer Reclaim Service, Inc.. A Warning Notice was issued for local copper concentration limit violation in the fourth quarter of 2007.
		2				UN	
		3				UN	
		4	1	1	1	CC	
WD Media, Inc. 1710 Automation Pkwy San Jose, CA 95131	SJ-551A	1				UN	WD Media purchased Komag Inc., Bldg 10, a permitted IU, at the end of the third quarter 2007. WD Media was issued new permit at the end of the fourth quarter of 2007.
		2				UN	
		3				UN	
		4	1		1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Canned and Preserved Fruit and Vegetable Processing - 40 CFR 407**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Diana Fruit Company 651 Mathew St Santa Clara, CA 95050	SC-002C	1	1	15	1	CC	Consistent Compliance in 2007.
		2	1	15		CC	
		3	1	15	1	CC	
		4		15		CC	
T. Marzetti Co.- West 876 Yosemite Dr Milpitas, CA 95035	MI-004C	1		2	1	CC	Consistent Compliance in 2007. A Verbal Warning was issued for local pH violation in second quarter of 2007.
		2	3	3		CC	
		3	1	2		CC	
		4	1	3	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Centralized Waste Treatment - Metals Treatment and Recovery - 40 CFR 437 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Clean Harbors San Jose LLC	SJ-487A	1		6	2	CC	Consistent Compliance in 2007.
		2	2	8		CC	
1021 Berryessa Rd San Jose, CA 95133		3	1	6	1	CC	
		4	1	14	25	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Copper Forming - 40 CFR 468 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Jennings Technology Corporation	SJ-216B	1		3	1	CC	Consistent Compliance in 2007.
		2	1		1	CC	
970 McLaughlin Ave San Jose, CA 95122		3		5	1	CC	
		4	1		1	CC	

Compliance Status Key

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Advanced Power Technology-RF, Inc. 3000 Oakmead Village Ct Santa Clara, CA 95051	SC-346B	1		3		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	1	2		CC	
		4	1		1	CC	
Amptech, Inc. 1530 McCarthy Blvd Milpitas, CA 95035	MI-122B	1				UN	IU was formerly named WJ Communications. IU has not began production and no discharge yet. Permit is pending.
		2				UN	
		3				UN	
		4				UN	
Bi-CMOS Foundry 975 Comstock St Santa Clara, CA 95054	SC-349B	1	1	1		CC	Consistent Compliance in 2007.
		2			1	CC	
		3	1	1		CC	
		4			1	CC	
Celeritek, Inc. 3236 Scott Blvd Santa Clara, CA 95054	SC-205B	1	1			CC	Change of ownership in July 2006. Now Universal Semiconductor Technology, Inc. permit No. SC-370B effective 05/07/2007.
		2				NS	
		3				NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Coherent, Inc. 5100 Patrick Henry Dr Santa Clara, CA 95054	SC-173B	1		1		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	2	2		CC	
		4	1		1	CC	
Cypress Semiconductor (3901 N. 1st) 3901 N 1st St San Jose, CA 95134	SJ-024A	1		7	1	CC	Consistent Compliance in 2007.
		2		6		CC	
		3	1	4	1	CC	
		4		6		CC	
Cypress Semiconductor Corp.(3939 N. 1st) 3939 N 1st St San Jose, CA 95134	SJ-460B	1		1	1	CC	A Warning Notice was issued for a self reported low pH limit violations in the fourth quarter of 2007. The lowest of the excursions was 3.4 S.U. Total event lasted for 20 minutes.
		2				NS	
		3	1	1	1	CC	
		4				IF/IL	
Excelics Semiconductor, Inc. 2908 Scott Blvd Santa Clara, CA 95054	SC-256B	1		1		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3		1		CC	
		4	1		1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Fairchild Imaging, Inc. 1801 McCarthy Blvd Milpitas, CA 95035	MI-100B	1		3		CC	Consistent Compliance in 2007.
		2	1	2	1	CC	
		3	1	3		CC	
		4		2	1	CC	
Intel Corporation 2150 Mission College Blvd Santa Clara, CA 95052	SC-028A	1	2			NS	A Verbal Warning was issued for pH limit violation in the fourth quarter of 2007.
		2		1	1	CC	
		3	1			NS	
		4		1		CC	
Intel Corporation, SC-1 3065 Bowers Ave Santa Clara, CA 95052	SC-030A	1	1			NS	Consistent compliance in 2007.
		2		1	1	CC	
		3	2			NS	
		4		1		CC	
Intel, Corp. D2P3 2150 Mission College Blvd Santa Clara, CA 95052	SC-249A	1	2		4	CC	Consistent Compliance in 2007.
		2		2	4	CC	
		3	1		3	CC	
		4		2	3	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Intevac 3580 Bassett St Santa Clara, CA 95054	SC-259B	1		1	1	CC	Two Notices of Violation were issued for two self reported low pH violations in the fourth quarter of 2007.
		2	1	1	1	CC	
		3	1		1	CC	
		4	2			IF/IL	
Linear Technology Corporation 275 S Hillview Dr Milpitas, CA 95035	MI-088B	1		3		CC	Consistent Compliance in 2007.
		2	1	2	1	CC	
		3		4		CC	
		4	1	1	1	CC	
Magic Technologies, Inc 463 S Milpitas Blvd Milpitas, CA 95035	MI-118B	1	1	8	3	CC	Consistent Compliance in 2007.
		2	1	2	3	CC	
		3	1	8	3	CC	
		4	1	2	3	CC	
Maxim Integrated Products, Inc. 3725 N 1st St San Jose, CA 95134	SJ-369B	1	1	7	1	CC	Consistent Compliance in 2007.
		2		6		CC	
		3	1	7		CC	
		4		6	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Merit Sensor Systems 2330 Walsh Ave Santa Clara, CA 95051	SC-164B	1		1	1	CC	Two Verbal Warnings and two Warning Notice were issued for not taking a sample for xylene for their Self-Monitoring Report in the first and third quarters of 2007. The IU ceased discharge in the fourth quarter of 2007.
		2			1	CC	
		3		1	1	CC	
		4				NS	
Micrel, Inc. 1849 Fortune Dr San Jose, CA 95131	SJ-258A	1	1	7		CC	A Notice of Violation and an Administrative Citation were issued for violation of the local and federal pH limits in the the third quarter.
		2		6	1	CC	
		3	1	8		IF/IL	
		4	1	6	1	CC	
Microsemi, Inc. 3000 Oakmead Village Dr Santa Clara, CA 95051	SC-380B	1				UN	Application received in second quarter of 2007, permit pending. Ownership change. Data for inspections and samples is captured under the former company name, Advance Power Technology, until the new permit is issued.
		2				UN	
		3				UN	
		4				UN	
M-Pulse Microwave, Inc. 576 Charcot Ave San Jose, CA 95131	SJ-035B	1		3		CC	One Verbal Warning was issued for not maintaining pH meter violation in the third quarter of 2007. A Warning Notice and an Administrative Citation were issued for 5 to 15 days late reporting violations in the fourth quarter of 2007.
		2	1		1	CC	
		3	1	3		IL	
		4	1		1	IL	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Nanoink, Inc 215 E Hacienda Ave Campbell, CA 95008	WV-058B	1		1		CC	A Verbal Warning was issued in the second quarter of 2007 for pH meter not functioning, was verified corrected on 7/13/2007 inspection.
		2	1		1	IL	
		3	1	1		CC	
		4	1		1	CC	
PerkinElmer, Inc.-Optoelectronics 2175 Mission College Blvd Santa Clara, CA 95054	SC-264A	1	1	1		CC	Consistent Compliance in 2007.
		2			1	CC	
		3	1	1		CC	
		4			1	CC	
Philips Lumileds Lighting Company, LLC 370 W Trimble Rd San Jose, CA 95131	SJ-528B	1	1	8	3	CC	Consistent Compliance in 2007.
		2	1	6	1	CC	
		3	1	8	1	CC	
		4	1	6		CC	
Qualcomm MEMS Technologies 2581 Junction Ave San Jose, CA 95134	SJ-522B	1		7	2	CC	Consistent Compliance in 2007.
		2	1	6	2	CC	
		3	1	8	3	CC	
		4		6	3	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Silicon Microstructures 1701 McCarthy Blvd Milpitas, CA 95035	MI-108B	1		3	1	CC	Consistent Compliance in 2007.
		2	1	2		CC	
		3		3	1	CC	
		4	1	2		CC	
Sipex Corporation MI 233 S Hillview Dr Milpitas, CA 95035	MI-075B	1		2	1	CC	Consistent compliance in 2007. The IU ceased discharge in the fourth quarter of 2007.
		2	1	3		CC	
		3		3	1	CC	
		4	1			NS	
Supertex, Inc. 71 Vista Montana San Jose, CA 95134	SJ-398B	1		6	1	CC	Consistent Compliance in 2007.
		2	1	7	1	CC	
		3		8		CC	
		4	1	6		CC	
THAT Corporation 495 Fairview Way Milpitas, CA 95035	MI-078B	1			1	CC	A Verbal Warning was issued in the second quarter of 2007 for pH excursion on chart recorder.
		2	1	1		IL	
		3			1	CC	
		4	1	1		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Universal Semiconductor 1925 Zanker Rd San Jose, CA 95112	SJ-150B	1				NS	Consistent Compliance in 2007.
		2	1	1	2	CC	
		3				NS	
		4	1	1	1	CC	
Universal Semiconductor Technology, Inc 3236 Scott Blvd Santa Clara, CA 95054	SC-370B	1	1		1	CC	Consistent Compliance in 2007.
		2	1	1		CC	
		3			1	CC	
		4	1	2		CC	
Vishay/Siliconix 2201 Laurelwood Rd Santa Clara, CA 95054	SC-282A	1	1			NS	Consistent Compliance in 2007.
		2	1	2	1	CC	
		3				NS	
		4	2	3		CC	
VISSSIX LLC 2966 Scott Blvd Santa Clara, CA 95054	SC-284B	1		1	1	CC	A Verbal Warning was issued for not properly maintaining pH monitoring system violation in the second quarter of 2007.
		2	1		2	IL	
		3	1	1	1	CC	
		4	1			NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Semiconductor - 40 CFR 469 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
VLSI Standards, Inc., 3087 N 1st St San Jose, CA 95134	SJ-305B	1			1	CC	Consistent Compliance in 2007.
		2	1	1		CC	
		3			1	CC	
		4	1	1		CC	
WJ Communications 1530 McCarthy Blvd Milpitas, CA 95035	MI-090B	1		5	1	CC	Changed ownership during the third quarter. Now Amptech, Inc.
		2	1	2		CC	
		3				NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electroplating - Existing Source Job Shops Discharging Less than 10,000 GPD - 40 CFR 413(L) Subparts A-H**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
CS Plating 1258 Alma Ct San Jose, CA 95112	SJ-071B	1	1	2		CC	IU closed in second quarter of 2007.
		2	1			CC	
		3				NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - Existing Source Captive Shops - 40 CFR 433.15 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Hitachi Global Storage Technologies, Inc. 3403 Yerba Buena Rd San Jose, CA 95135	SJ-533B	1	1		7	CC	Consistent Compliance in 2007. Two Verbal Warnings were issued for pH excursion reported by the IU in the first and second quarters of 2007.
		2	1	1	4	CC	
		3	1		3	CC	
		4	1	1	3	CC	
Hitachi Global Technologies, Inc 5600 Cottle Rd San Jose, CA 95123	SJ-495A	1		12	4	CC	A Verbal Warning was issued in the third quarter of 2007 for pH recorder malfuntion. A Verbal Warning was issued in the third quarter for pH malfuntion.
		2	1	15	3	CC	
		3		9	3	IL	
		4	2	6	4	CC	
Intel Corporation, SC-2 3065 Bowers Ave Santa Clara, CA 95052	SC-277A	1	1			NS	Consistent compliance in 2007.
		2		1	1	CC	
		3	3			NS	
		4		1	1	CC	
Jennings Technology Corporation 970 McLaughlin Ave San Jose, CA 95122	SJ-216B	1		3	1	CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3		5	1	CC	
		4	1		1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
A & E Anodizing 652-A Charles St San Jose, CA 95112	SJ-314B	1	1	1		CC	Consistent Compliance in 2007.
		2			1	CC	
		3	1	1		CC	
		4			2	CC	
A-1 Plating, Inc. 2655 Lafayette St Santa Clara, CA 95050	SC-041A	1	2		1	IL	A Verbal Warning was issued for pH strip chart recorder out of paper in the first quarter of 2007. Paper was replaced immediately.
		2	1	1		CC	
		3	1		1	CC	
		4	2	2		CC	
A-1 Plating, Inc. (Walsh) 870 Walsh Ave Santa Clara, CA 95050	SC-329B	1	2		2	IL	A Verbal Warning was issued for pH strip chart recorder out of paper and Self Monitoring Report missing federal cyanide sampling data in the first quarter of 2007. A Verbal Warning was issued for federal cyanide monthly average violation in the second quarter of 2007. Subsequent sampling was in compliance.
		2	1	3	1	CC	
		3	1		1	CC	
		4	2	2		CC	
Advanced Component Labs 990 Richard Ave Santa Clara, CA 95050	SC-360B	1	1		1	CC	Consistent Compliance in 2007.
		2	1	3		CC	
		3	1		1	CC	
		4	1	3		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Advanced Metal Finishers LLC 1291 Oakland Rd San Jose, CA 95112	SJ-516B	1				CC	Consistent Compliance in 2007, name changed and ownership change to MITICO Metal Finishers, Inc. in third quarter 2007.
		2		2	1	CC	
		3				NS	
		4				NS	
Advanced Power Technology-RF, Inc. 3000 Oakmead Village Ct Santa Clara, CA 95051	SC-346B	1		3		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	1	2		CC	
		4	1		1	CC	
Advanced Printed Circuit Technology 3495 De la Cruz Blvd Santa Clara, CA 95054	SC-065A	1	1		5	CC	Consistent Compliance in 2007.
		2	1	2	4	CC	
		3	1		3	CC	
		4	1	2	3	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Advanced Surface Finishing Inc. 1181 N 4th St San Jose, CA 95112	SJ-514B	1 2 3 4	1 1 1 1	3 1 1 2	3 2 5 4	IL IF/SNL IL CC	Three Warning Notices for copper two Warning Notices for copper and nickel were issued for annual average concentration limit violations in the first quarter of 2007. Three Warning Notices were issued for copper annual average concentration limit violations, a fourth Warning Notice was issued for federal and local violations for copper, lead, and cyanide and a fifth Warning Notice was issued for failure to take a required monthlty copper annual average concentration limit sample violations, in the second quarter of 2007. Five Warning Notices were issued for copper annual average violations in the third quarter of 2007. IU was in Consistent Compliance in the fourth quarter of 2007.
Agilent Technologies, Inc.(Stevens Creek) 5301 Stevens Creek Blvd Santa Clara, CA 95051	SC-321B	1 2 3 4	1 1 	3 2 	1 1 	CC NS CC NS	Consistent compliance in 2007.
Airtronics Metal Products 1980 Senter Rd San Jose, CA 95112	SJ-319B	1 2 3 4	1 1 1 	 1 2	1 1 2	CC CC CC IF/IL	One Notice of Violation was issued in the fourth quarter of 2007 for federal and local violations of pH and zinc. On 12/19/2007 a Compliance Meeting was held and a Compliance Schedule was established.

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Altaflex, Inc. 336 Martin Ave Santa Clara, CA 95050	SC-316B	1	1			NS	One Warning Notice and one Verbal Warning were issued for local annual average copper concentration limit violations in the second quarter of 2007.
		2	1	2	2	IL	
		3	1			NS	
		4	1	2	1	CC	
Amex Plating, Inc. 3333 Woodward Ave Santa Clara, CA 95054	SC-182B	1	1	2	1	CC	Consistent compliance in 2007.
		2	1	2		CC	
		3	2	2	1	CC	
		4	1			NS	
Amptech, Inc. 1530 McCarthy Blvd Milpitas, CA 95035	MI-122B	1				UN	IU was formerly named WJ Communications. IU has not began production and no discharge yet. Permit is pending.
		2				UN	
		3				UN	
		4				UN	
Applied Anodize, Inc. 622 Charcot Ave San Jose, CA 95131	SJ-025B	1	1		3	CC	Consistent Compliance in 2007.
		2	1	3		CC	
		3	1		1	CC	
		4	2	1		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Applied Materials, Bldgs. 2 & 3 3300 Scott Blvd Santa Clara, CA 95054	SC-092A	1	1	1		CC	A Notice of Violation was issued for discharge of fluoride salts above the State of California hazardous waste concentration limit in the fourth quarter of 2007.
		2	1		1	CC	
		3	1	2		CC	
		4	1		1	IL	
Arnold's Metal Finishing 805 Aldo Ave Santa Clara, CA 95054	SC-369B	1	2		7	IL	A Warning Notice was issued for the Baseline Monitoring Report 16 to 30 days late, and a Verbal Warning was issued for local maximum chromium concentraion limit violation in the first quarter of 2007. A Verbal Warning was issued for local pH violation caused by a faulty pH probe, and a Warning Notice was issued for a local nickel annual average concentration limit violation in the fourth quarter of 2007.
		2	1	1		CC	
		3	1		1	CC	
		4	2	2		IL	
Beta Circuits 1200 Norman Ave Santa Clara, CA 95054	SC-318B	1	1		1	CC	Consistent Compliance in 2007.
		2		1		CC	
		3	1		1	CC	
		4		2		CC	
CBR Circuits 116 Minnis Cir Milpitas, CA 95035	MI-013B	1	1	3	5	IL	Four, four, three and four Verbal Warnings were issued for annual average copper concentration local limit violations in the first, second, third and fourth quarters of 2007, respectively.
		2	1	3	3	IL	
		3	1	3	4	IL	
		4	1	3	3	IL	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Celeritek, Inc. 3236 Scott Blvd Santa Clara, CA 95054	SC-205B	1	1			CC	Change of ownership in July 2006. Now Universal Semiconductor Technology, Inc. permit No. SC-370B effective 05/07/2007.
		2				NS	
		3				NS	
		4				NS	
Cirexx Corp. 3391 Keller St Santa Clara, CA 95054	SC-034A	1	1	4	2	IL	A Verbal Warning was issued for one to five day late submital of self monitoring report violation in the first quarter of 2007.
		2			3	CC	
		3	1	4	3	CC	
		4	1		3	CC	
Component Finishing, Inc. 800 Aldo Ave Santa Clara, CA 95054	SC-002B	1	1	1	1	CC	A Verbal Warning was issued for federal zinc daily maximum limit violation in the first quarter of 2007. The IU discontinued discharging in the third quarter of 2007.
		2	1			NS	
		3	3		1	NS	
		4				NS	
Compugraphics USA 120C Albright Way Los Gatos, CA 95030	WV-052B	1				NS	Consistent Compliance in 2007.
		2	1	1	1	CC	
		3				NS	
		4	1	2		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Cordova Printed Circuits 1648 Watson Ct Milpitas, CA 95035	MI-017B	1		5	1	CC	Consistent Compliance in 2007.
		2	1	4		CC	
		3		4	2	CC	
		4	1	6		CC	
Crain Cutter Co. Inc. 1155 Wrigley Way Milpitas, CA 95035	MI-070C	1			1	CC	Two Warning Notices were issued for local and federal violations of zinc and total toxic organics in the fourth quarter of 2007.
		2	1	1		CC	
		3			1	CC	
		4	1	3		IF/IL	
Crown Disc 1103 Montague Expy Milpitas, CA 95035	MI-115B	1				CC	Out of business in first quarter.
		2				NS	
		3				NS	
		4				NS	
CSL, Inc./AA Metal Processing 529 Aldo Ave Santa Clara, CA 95054	SC-133B	1		1	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Dimatix, Inc (formerly Spectra, Inc.) 2230 Martin Ave Santa Clara, CA 95050	SC-342B	1				NS	Consistent Compliance in 2007. There was change of ownership during the second quarter. Now Fujifilm Dimatix, Inc.
		2		1	1	CC	
		3				NS	
		4				NS	
Disc Stampers, LLC 1103 Montague Expy Milpitas, CA 95035	MI-121B	1				UN	A Verbal Warning was issued for a minor pH violation in the fourth quarter of 2007. IU started operation in the third quarter of 2007.
		2	1			UN	
		3				UN	
		4	1	2		CC	
Du All Anodizing Company 730 Chestnut St San Jose, CA 95110	SJ-010B	1	1			NS	Consistent compliance in 2007.
		2	1	3	1	CC	
		3	1			NS	
		4	1	2	1	CC	
Dynamic Details, Inc 1831 Tarob Ct Milpitas, CA 95035	MI-014A	1	1	3		CC	Consistent Compliance in 2007.
		2		4	1	CC	
		3		2		CC	
		4	2	6	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Eagle Tech Inc 2299 Ringwood Ave San Jose, CA 95131	SJ-520B	1		3	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	1	1	CC	
		4	1			NS	
E-Fab, Inc. 1075 Richard Ave Santa Clara, CA 95050	SC-096B	1	1	2	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	
Electropolishing Shop 3475 Victor St Santa Clara, CA 95054	SC-193B	1		1	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	1	1	CC	
		4				NS	
ENS Technology 3165 Molinaro St Santa Clara, CA 95054	SC-252A	1	1		4	CC	Consistent Compliance in 2007.
		2		2	3	CC	
		3		2	3	CC	
		4	1		3	CC	

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
EPZ, Inc. 3005 Copper Rd Santa Clara, CA 95051	SC-328B	1		1		CC	Consistent compliance in 2007.
		2	1		1	CC	
		3	1	2	1	CC	
		4	2			NS	
Etched Media 101 Gilman Ave Campbell, CA 95008	WV-009B	1	1	1		CC	Consistent compliance
		2			1	CC	
		3	2			NS	
		4		1	1	CC	
Evenstar 809 Aldo Ave Santa Clara, CA 95054	SC-034B	1	1	5	1	IF/IL	The IU was issued a Notice of Violation and a Warning Notice for federal and local silver violations in the first quarter 2007. A Warning Notice was issued for a copper violation in the second quarter of 2007. A Verbal Warning was issued for a federal silver violation in the fourth quarter of 2007.
		2	3		8	IL	
		3	1	4	2	CC	
		4	1	2	1	IF	
Finishing First, Inc. 1020 Duane Ave Santa Clara, CA 95054	SC-010B	1		2	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Flex Interconnect Tech 1603 Watson Ct Milpitas, CA 95035	MI-116B	1	1	2	1	CC	Consistent Compliance in 2007.
		2	1			NS	
		3	1	1	1	CC	
		4	1	2	1	CC	
Four-D Metal Finishing, Inc. 3310 Edward Ave Santa Clara, CA 95054	SC-375B	1	2		2	CC	A Verbal Warning followed by a Warning Notice then a Notice of Violation were issued for a late Baseline Monitoring Report that was incomplete for more than 30 days in the second quarter of 2007.
		2			5	IF/IL	
		3	1	1	3	CC	
		4	1		4	CC	
Fujifilm Dimatix, Inc. 2230 Martin Ave Santa Clara, CA 95050	SC-376B	1	1			UN	IU was formerly Dimatix, Inc. There was change of ownership and company name during the second quarter. Consistent compliance in 2007.
		2	1			UN	
		3		2		CC	
		4	2		1	CC	
Harbor Electronics, Inc. 3021 Kenneth St Santa Clara, CA 95054	SC-301B	1		3	1	CC	One Verbal Warning was issued in third quarter of 2007 and six Verbal Warnings were issued in fourth quarter of 2007 for annual average copper concentation limit violations.
		2	1			NS	
		3	1	2	3	IL	
		4	1	2	7	IL	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Haro's Anodizing Specialists 630 Walsh Ave Santa Clara, CA 95050	SC-222B	1			1	CC	A Verbal Warning was issued in the second quarter for pH and flow meters not working. Verifed working in subsequent inspections.
		2	1	2		IL	
		3	1		1	CC	
		4	1	2		CC	
Headway Technologies, Inc. 497 S Hillview Dr Milpitas, CA 95035	MI-057A	1		3	3	IF/IL	A Warning Notice; a Verbal Warning and a Warning Notice; and two Notice of Violations, two Warning Notices and a Verbal Warning were issued for violations in the first, third and fourth quarters of 2007, respectively, of several pH excursion violations reported by the IU. A Compliance Meeting was also held in the fourth quater to address these violations.
		2	1	2	3	CC	
		3	1	4	3	IF/IL	
		4	1	2	4	IF/IL	
Hunter Technology Corporation 3305 Kifer Rd Santa Clara, CA 95051	SC-338B	1	1	1		CC	A Warning Notice was issued for a pH excursion violation reported by the IU and two Verbal Warnings were issued for local annual average copper concentration limit violations in the fourth quarter of 2007.
		2	1		1	CC	
		3	1	1		CC	
		4	1	2	1	IL	
IBM Almaden Center 650 Harry Rd San Jose, CA 95120	SJ-284B	1		1	1	CC	As of 7/26/07 IU does not require a discharge permit as process was moved to a different location.
		2	1			CC	
		3				NS	
		4				NS	

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Infiniti Circuits Manufacturing 1565-A Mabury Rd San Jose, CA 95133	SJ-020A	1	1	3	3	CC	Consistent Compliance in 2007. IU was previously named Adaptive Circuits till 9/28/07.
		2			3	CC	
		3	1	3	3	CC	
		4		2	3	CC	
INTA Technologies 2281 Calle de Luna Santa Clara, CA 95054	SC-307B	1		2	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	2	4	1	CC	
		4	1			NS	
Italix Company, Inc. 2232 Calle del Mundo Santa Clara, CA 95054	SC-028B	1			1	CC	Two Verbal Warning were issued for violations in the first quarter and second quarters of 2007 and two Warning Notices were issued for violations in the third quarter of 2007. All violations were for exceeding the local annual average copper concentration limit.
		2	1	1		CC	
		3	1		3	IL	
		4	3	1		CC	
J & K Anodize, Inc 354 Umbarger Rd San Jose, CA 95111	SJ-550B	1	1	1	1	IL	A Warning Notice was issued for local annual average copper concentration limit violation in the first quarter of 2007. A Verbal Warning was issued for federal monthly average cadmium limit violation in the third quarter of 2007.
		2		2		CC	
		3	3		1	CC	
		4	1	1		CC	

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
K & S Metal Finishing Co. 1232 Memorex Dr Santa Clara, CA 95050	SC-298B	1 2 3 4	 2 2 	 2 2	 1 	NS SNF/SNL CC CC	A Notice of Violations was issued for permit condition and compliance meeting schedule violation and two Warning Notices were issued for a 5 to 15 day late self monitoring report violation and annual average nickel concentration limit violation in the second quarter of 2007. In the fourth quarter of 2007, IU was renamed to Momentum Technologies Corp. dba Momentum Metal Finishing SC-381B.
Kion Technology, Inc. 2190 Old Oakland Rd San Jose, CA 95131	SJ-191B	1 2 3 4	 1 1 3	 3 4	1 1 1	CC CC IL IF/IL	A Verbal Warning and a Warning Notice were issued for not maintaining pH meter in the third and fourth quarters of 2007, respectively. A Verbal Warning was issued for violation of federal monthly and daily maximum limits for cyanide in the fourth quarter of 2007.
KMIC Technology, Inc (formerly CPI) 1019 E Brokaw Rd San Jose, CA 95131	SJ-504B	1 2 3 4	 1 1 	 1 1	 1 1	NS CC NS CC	Consistent compliance in 2007.

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Lenthor Engineering 1514 Gladding Ct Milpitas, CA 95035	MI-018B	1		5		CC	Consistent Compliance in 2007.
		2		2	1	CC	
		3	1	5		CC	
		4		3	1	CC	
Lenthor Engineering, LLC 1478 Gladding Ct Milpitas, CA 95035	MI-112B	1	1	2	4	CC	Consistent Compliance in 2007.
		2		5	3	CC	
		3	1	2	3	CC	
		4		5	4	CC	
LSA-Cleanpart, LLC 1610-B Berryessa Rd San Jose, CA 95133	SJ-318B	1		1		CC	A Verbal Warning was issued for a local annual average copper concentration limit violationin the second quarter of 2007. A Verbal Warning was issued for chromium violation in the third quarter of 2007. A Warning Notice and a Verbal Warning were issued for local annual average copper concentration limit violations in the fourth quarter of 2007.
		2	1		1	CC	
		3	1	1	2	CC	
		4	2		3	IL	
Magic Technologies, Inc 463 S Milpitas Blvd Milpitas, CA 95035	MI-118B	1	1	8	3	CC	Consistent Compliance in 2007.
		2	1	2	3	CC	
		3	1	8	3	CC	
		4	1	2	3	CC	

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San Jose / Santa Clara Water Pollution Control Plant

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Merix San Jose 335 Turtle Creek Ct San Jose, CA 95125	SJ-518B	1	1	7		CC	Consistent Compliance in 2007.
		2	1	8	1	CC	
		3	1	8		CC	
		4	1	7	1	CC	
Micro-Chem, Inc. 2986 Oakmead Village Ct Santa Clara, CA 95051	SC-218B	1			1	IL	A Warning Notice was issued for a local annual average copper concentration limit violation in the first quarter of 2007.
		2	1	2		CC	
		3	2		1	CC	
		4		2		CC	
Microsemi, Inc. 3000 Oakmead Village Dr Santa Clara, CA 95051	SC-380B	1				UN	Application received in second quarter of 2007, permit pending. Ownership change. Data for inspections and samples is captured under the former company name, Advance Power Technology, until the new permit is issued.
		2				UN	
		3				UN	
		4				UN	

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
MITICO Metal Finishers, Inc. 1291 Oakland Rd San Jose, CA 95112	SJ-553B	1 2 3 4	 1 2	 1	 1	UN UN SNF/SNL CC	IU was formerly named Advanced Metal Finishers, LLC, changed names and ownership in June 2007. A Notice of Violation was issued for bypass of monitoring point in the third quarter of 2007. Correction actions were verified during 10/10/2007 inspection. Enforcement was issued to Advanced Metal finishers, LLC since, although received name change and ownership application, new permit for Mitico Metal Finishers, Inc. had not yet been issued at the time of the violation.
Momentum Technologies Corp. dba Momentum Metal Finishing 1232 Memorex Dr Santa Clara, CA 95050	SC-381B	1 2 3 4	 1			UN UN UN CC	The IU was formerly named K&S Metal Finishing Co. SC-298B. Received new permit during the fourth quarter of 2007.
M-Pulse Microwave, Inc. 576 Charcot Ave San Jose, CA 95131	SJ-035B	1 2 3 4	 1 1 1	3 3 	 1 1	CC CC IL IL	One Verbal Warning was issued for not maintaining pH meter violation in the third quarter of 2007. A Warning Notice and an Administrative Citation were issued for 5 to 15 days late reporting violations in the fourth quarter of 2007.

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
M'S Refinishing 965 Richard Ave Santa Clara, CA 95050	SC-120B	1			1	CC	Consistent Compliance in 2007.
		2	1	2		CC	
		3	1		1	CC	
		4	1	2		CC	
NanoNexus, Inc 2520 Junction Ave San Jose, CA 95131	SJ-501B	1	1		1	CC	Consistent Compliance in 2007.
		2		4		CC	
		3			1	CC	
		4	1	3		CC	
Novellus Systems, Inc. 4000 N. First 4000 N 1st St San Jose, CA 95134	SJ-383B	1	1	8	2	CC	Consistent Compliance in 2007. A Warning Notice was issued for annual average copper concentration limit violation in the second quarter of 2007.
		2	1	8		CC	
		3	1	10	2	CC	
		4	1	6		CC	
Nu-Metal Finishing, Inc. 2262 Calle Del Santa Clara, CA 95054	SC-064B	1	1	2	3	CC	Two Warning Notices were issued for local Group 1 annual average nickel concentration limit violations in the fourth quarter of 2007.
		2	1		3	CC	
		3	2	2	3	CC	
		4	2		3	IL	

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INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Pac Tech USA Packaging 328 Martin Ave Santa Clara, CA 95050	SC-343B	1				NS	Consistent Compliance in 2007.
		2	1	3	1	CC	
		3	1			NS	
		4		3	1	CC	
Parlex Corporation - San Jose Division 1756 Junction Ave San Jose, CA 95112	SJ-459B	1		1	1	CC	A Verbal Warning was issued for local annual average copper concentration violation in the fourth quarter of 2007.
		2	1			NS	
		3	1	1		CC	
		4	2		1	IL	
Peninsula Metal Fabrication 2221 Ringwood Ave San Jose, CA 95131	SJ-438B	1	1	2	1	IF/IL	A Notice of Violation and Administrative Citation was issued for a pH and zinc violation in the first quarter of 2007. On 03/19/2007 a Compliance Meeting was held and a Compliance Schedule was established. The IU has removed the metal finishing processes and stopped discharging to the sanitary sewer in August 2007.
		2	1			NS	
		3	1	1		CC	
		4	1			NS	
PK Selective Metal Plating, Inc. 415 Mathew St Santa Clara, CA 95050	SC-013B	1	1	2	3	CC	Consistent Compliance in 2007.
		2	1	2	3	CC	
		3	1	2	3	CC	
		4	2	2	3	CC	

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INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Process Stainless Lab., Inc. 1280 Memorex Dr Santa Clara, CA 95050	SC-276B	1 2 3 4	2 1 2 1	1 1 2	31 13 13 7	CC CC CC CC	Consistent Compliance in 2007. A summary of enforcement responses to 2006 surveillance program is included in "Other Subjects" section of the 2007 Annual Report.
Prodigy Surface Tech, Inc. 807 Aldo Ave Santa Clara, CA 95054	SC-344B	1 2 3 4	1 1 1 1	3 2 1	1 2 	CC NS IF/IL IL	A Notices of Violation was issued for federal monthly average zinc, federal maximum and monthly and local maximum allowable and annual average copper and nickel concentration violations in the third quarter of 2007. A second Notice of Violation was issued for annual average copper and nickel limit violations the fourth quarters of 2007. The IU is recycling their wastewater and has stopped discharging to the sanitary sewer.
Pycon, Inc. 3501 Leonard Ct Santa Clara, CA 95051	SC-061A	1 2 3 4	1 1 1 1	4 4 	4 3 4 3	CC CC CC CC	Consistent Compliance in 2007.

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San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Pyramid Circuits 1405 Richard Ave Santa Clara, CA 95050	SC-009B	1	1	3	3	IL	Four Warning Notices were issued for four violations in the first quarter of 2007 and one Warning Notice was issued for a violation in the second quarter of 2007. These violations were all local annual average copper concentration limit violations.
		2	1	3	2	CC	
		3	1	3	2	CC	
		4		3		CC	
Quality Plating, Inc. 1680 Almaden Expy San Jose, CA 95125	SJ-079B	1	1	2		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	1	2		CC	
		4			1	CC	
QualTech Circuits, Inc. 1101 Comstock St Santa Clara, CA 95054	SC-345B	1		2	1	CC	Consistent compliance in 2007.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	
S.J. Valley Plating, Inc. 491 Perry Ct Santa Clara, CA 95054	SC-017B	1	1	2	3	CC	A Verbal Warning was issued for a violation of local and federal limits for TTOs in the third quarter of 2007.
		2	1	1		CC	
		3	1	3	2	IF/IL	
		4		3	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Sanmina Corp Plant I 2101 O'Toole Ave San Jose, CA 95131	SJ-022A	1	2	2	5	IL	A Verbal Warning and a Warning Notice were issued for violattions in the first quarters of 2007 and a Warning Notice was issued for a violation in the third quarter of 2007. All violations were for local annual average copper concentration limit violations.
		2			3	CC	
		3	1	1	3	IL	
		4	1		3	CC	
Sanmina Corp Plant II 2068 Bering Dr San Jose, CA 95131	SJ-043A	1	1	9	5	CC	Consistent Compliance in 2007. A Warning Notice in the first quarter of 2007 for local Group 1 annual average concentration limit violation.
		2	1	6	3	CC	
		3	1	8	3	CC	
		4	2	7	3	CC	
Santa Clara Plating Co. 1769 Grant St Santa Clara, CA 95050	SC-029B	1	1	2	1	CC	Consistent compliance in 2007.
		2	1		1	CC	
		3	1	1	1	CC	
		4	2			NS	
Serra Micro Chassis 3590 Snell Ave San Jose, CA 95136	SJ-034A	1				NS	IU did not discharge in 2007. No wet processes at site. Permit expired in fourth quarter of 2007 - not to be re-newed.
		2	1			NS	
		3	1			NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Silicon Valley Electroplating Corp. 1486 Gladding Ct Milpitas, CA 95035	MI-055B	1	1	2	1	CC	A Warning Notice was issued in the first quarter of 2007 for pH violation and and failure to report violation for failing to notifying the City of this pH violation.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	
Solyndra, Inc. 3260 Scott Blvd Santa Clara, CA 95054	SC-378B	1				UN	The company never discharged and then closed the facility in the third quarter.
		2	2			UN	
		3	2			UN	
		4					
Streamline Circuits 1415 Richard Ave Santa Clara, CA 95050	SC-350A	1	1	3	5	IL	Three verbal warnings were issued for a ORP meter malfunction and two local annual average copper concentration limit violations in the first quarter of 2007. Six verbal warning were issued for violations in the third quarter and four verbal warnings were issued for violations in the fourth quarter. These violations were all local annual average copper concentration limit violations.
		2	1			NS	
		3	1	2	5	IL	
		4	1	3	4	IL	
Sun Surface Technology 950 Rincon Cir San Jose, CA 95131	SJ-510B	1	1		1	CC	A Verbal Warning, Warning Notice and Administrative Citation were issued for 1 to 5, 5 to 15, and 16 to 30 days late submittal of self-monitoring report violations in the third quarter of 2007. Report was due on 8/30/2007 and was received on 9/19/2007.
		2	1	2		CC	
		3	1		1	IL	
		4	1	1		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Superior Chrome 1616 Pomona Ave San Jose, CA 95110	SJ-263B	1	1			NS	Two Warning Notices were issued for local annual average nickel concentration limit violations in the second quarter of 2007.
		2	1	1	2	IL	
		3				NS	
		4	2	1	1	CC	
Swift Metal Finishing 1161 Richard Ave Santa Clara, CA 95050	SC-035B	1	1		1	CC	Consistent Compliance in 2007.
		2	1	2		CC	
		3	1		1	CC	
		4	1	2		CC	
Telewave, Inc 660 Giguere Ct San Jose, CA 95133	SJ-471B	1			1	CC	Consistent Compliance in 2007.
		2	1	1	1	CC	
		3	1			NS	
		4	1	1		CC	
Teltec Corporation DBA: Gorilla Circuits 1509 Berger Dr San Jose, CA 95112	SJ-449B	1	1		1	CC	A Warning Notice was issued for a federal monthly average cyanide limit violation in the second quarter of 2007.
		2	2	2		IF	
		3	1		11	CC	
		4	1	2		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Toppan Photomasks, Inc. 2920/2970 Coronado Dr Santa Clara, CA 95054	SC-050B	1	1	1	1	CC	Consistent compliance in 2007.
		2				NS	
		3	1	2	1	CC	
		4				NS	
Triad Tool And Engineering, Inc. 1750 Rogers Ave San Jose, CA 95112	SJ-273B	1		1		CC	Consistent Compliance in 2007. IU ceased metal finishing operations and was de-permitted during the third quarter.
		2	1		1	CC	
		3	1			NS	
		4				NS	
TTM Technologies, Inc - Santa Clara Division 359 Mathew St Santa Clara, CA 95050	SC-374A	1	1		4	CC	IU was formally named Tyco Printed Circuit Group-Santa Clara, SC-285A. A Warning Notice was issued for federal daily maximum and monthly average cyanide limit violations in the fourth quarter of 2007.
		2	1	4	10	CC	
		3			11	CC	
		4	2	6	13	IF	
Twin Solutions, Inc 163 Baypointe Pkwy San Jose, CA 95134	SJ-527B	1		2	3	CC	Consistent Compliance in 2007. There was change of ownership during the first quarter. Now U-TECH Media USA, LLC.
		2				NS	
		3				NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Tyco Electronics, M/A-COM 5300 Hellyer Ave San Jose, CA 95138	SJ-494B	1	1		1	CC	Consistent Compliance in 2007.
		2	1	3		CC	
		3			1	CC	
		4	2	5		CC	
Tyco Printed Circuit Group/ Santa Clara 359 Mathew St Santa Clara, CA 95050	SC-285A	1			6	CC	Consistent Compliance in 2007. There was change of ownership and company name changed to TTM Technologies, Inc.
		2				NS	
		3				NS	
		4				NS	
Uni-Flex Circuits, Inc. 1782 Angela St San Jose, CA 95125	SJ-399B	1	1	1		CC	Consistent compliance in 2007.
		2	1		1	CC	
		3	1	2	2	CC	
		4	1			NS	
United Plating Services 810 Park Ave San Jose, CA 95126	SJ-347B	1	1			NS	Consistent Compliance in 2007.
		2	1	1	1	CC	
		3	1			NS	
		4	1	1	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
United Supertek, Inc.(Formerly, Hi-Temp Technologies) 118 Charcot Ave San Jose, CA 95131	SJ-122B	1	2	3	1	CC	Consistent compliance in 2007.
		2		1		CC	
		3	1	1	1	CC	
		4	1			NS	
University Plating 650 University Ave San Jose, CA 95110	SJ-028B	1	1	2		CC	Consistent Compliance in 2007.
		2	1		1	CC	
		3	1	1	1	CC	
		4	1	1		CC	
U-TECH Media USA, LLC 163 Baypoint Pkwy San Jose, CA 95134	SJ-540B	1	1			UN	Consistent Compliance in 2007. The IU was formerly named Twin Solutions, Inc., SJ-527B and was renamed U-Tech Meida USA, LLC in the first quarter of 2007. On 12/15/2007 U-Tech Media ceased discharging and will be moving to another facility in Milpitas in first quarter of 2008.
		2				NS	
		3	1	2	1	CC	
		4	1			NS	
Variety Metal Finishing 1166 Campbell Ave San Jose, CA 95126	SJ-111B	1		1	6	CC	Consistent Compliance in 2007.
		2	1	2	12	CC	
		3	1		13	CC	
		4	1		14	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Metal Finishing - New Source - 40 CFR 433.17 Subpart A (continued)**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Vector Fabrication 1629 Watson Ct Milpitas, CA 95035	MI-059B	1	1		1	CC	Consistent Compliance in 2007.
		2	1	2	1	CC	
		3	1		1	CC	
		4	1	2		CC	
Vishay/Siliconix 2201 Laurelwood Rd Santa Clara, CA 95054	SC-282A	1	1			NS	Consistent Compliance in 2007.
		2	1	2	1	CC	
		3				NS	
		4	2	3		CC	
VISSSIX LLC 2966 Scott Blvd Santa Clara, CA 95054	SC-284B	1		1	1	CC	A Verbal Warning was issued for not properly maintaining pH monitoring system violation in the second quarter of 2007.
		2	1		2	IL	
		3	1	1	1	CC	
		4	1			NS	
WJ Communications 1530 McCarthy Blvd Milpitas, CA 95035	MI-090B	1		5	1	CC	Changed ownership during the third quarter. Now Amptech, Inc.
		2	1	2		CC	
		3				NS	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Pharmaceutical Manufacturing - 40 CFR 439 Subpart A**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Allergan, Inc.	WV-044B	1	1	1	1	CC	Consistent compliance in 2007.
		2				NS	
503-F Vandell Way Campbell, CA 95008		3	1	2	1	CC	
		4				NS	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Pharmaceutical Manufacturing - 40 CFR 439 Subpart D**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Teikoku Pharma USA 1718 Ringwood Ave San Jose, CA 95131	SJ-513B	1				NS	Consistent Compliance in 2007.
		2	1	2		CC	
		3				NS	
		4	1	1		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Pulp, Paper and Paperboard - 40 CFR 430 Subpart J**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Bluegrass Mills Holdings Company, LLC 2600 De La Cruz Blvd Santa Clara, CA 95050	SC-371B	1		16	1	CC	Consistent Compliance in 2007.
		2	1	15		CC	
		3	1	16	1	CC	
		4		13		CC	
California Paperboard Corp. 525 Mathew St Santa Clara, CA 95050	SC-005C	1		15	1	CC	Consistent Compliance in 2007.
		2	1	16		CC	
		3		15		CC	
		4	1	19	1	CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Rubber Manufacturing - 40 CFR 428 Subpart G**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Burke Industries, Inc. (Tenth)	SJ-201B	1			1	CC	Consistent Compliance in 2007.
		2	1	2		CC	
2250 S Tenth St San Jose, CA 95112		3			1	CC	
		4	1	2		CC	

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Compliance Activities 2007

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Steam Electric Power Generating - New Source - 40 CFR 423**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
City of Santa Clara, dba Silcon Valley Power, Pico Power Project 850 Duane Ave Santa Clara, CA 95054	SC-354B	1	1	1		CC	Consistent Compliance in 2007.
		2			1	CC	
		3	2	1		CC	
		4			1	CC	
Metcalf Energy Center LLC 1 Blanchard Rd San Jose, CA 95013	SJ-515B	1	1	7	2	CC	Consistent Compliance in 2007.
		2		6		CC	
		3		9	2	CC	
		4	1	6		CC	
OLS Energy-Agnews, Inc. 3800 Cisco Way San Jose, CA 95134	SJ-388B	1	1	7	1	CC	Consistent Compliance in 2007.
		2		7		CC	
		3	1	7	1	CC	
		4		6		CC	
San Jose State University Cogen Plant 260 S 9th St San Jose, CA 95112	SJ-448B	1		8		CC	A Verbal Warning was issued for failure to install equipments as required in discharge permit in the second quarter of 2007.
		2	1	7	2	IL	
		3		9		NS	
		4	1	6	1	CC	

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SIU Enforcement Summary 2007

Company Name	Permit #	DOV	Parameters Violated	Enforce Action	Violation		Cat
					Fed	Loc	
Advanced Surface Finishing Inc.	SJ-514B	9/27/06	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	9/27/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	9/30/06	Copper	WN	X		433
Advanced Surface Finishing Inc.	SJ-514B	10/18/06	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	10/18/06	Copper			X	433
Advanced Surface Finishing Inc.	SJ-514B	10/20/06	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	10/20/06	Copper			X	433
Advanced Surface Finishing Inc.	SJ-514B	10/25/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	10/31/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	11/15/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	11/22/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	12/7/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	12/14/06	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	1/18/07	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	1/18/07	Copper			X	433
Advanced Surface Finishing Inc.	SJ-514B	1/23/07	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	1/23/07	Copper			X	433
Advanced Surface Finishing Inc.	SJ-514B	2/8/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	2/13/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	3/8/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	4/17/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	5/24/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	6/1/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	6/1/07	Lead			X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Copper		X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Lead		X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Lead		X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Cyanide Total			X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Copper		X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/26/07	Copper		X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/30/07	Other	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	7/2/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	7/11/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	7/27/07	Copper	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	8/15/07	Copper	WN		X	433

SIU Enforcement Summary 2007

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					Fed	Loc	
Advanced Surface Finishing Inc.	SJ-514B	9/11/07	Copper	WN		X	433
Airtronics Metal Products	SJ-319B	11/1/07	Zinc	NV	X	X	433
Airtronics Metal Products	SJ-319B	11/5/07	Zinc		X	X	433
Airtronics Metal Products	SJ-319B	11/5/07	pH		X	X	433
Alsco	SJ-546B	11/14/07	Oil and Grease	WN		X	SIU
Altaflex, Inc.	SC-316B	4/4/07	Copper	WN		X	433
Applied Materials, Bldgs. 2 & 3	SC-092A	10/4/07	Fluoride	NV			433A
Arnold's Metal Finishing	SC-369B	2/1/07	BMR	WN	X	X	433
Arnold's Metal Finishing	SC-369B	11/20/07	Nickel	WN		X	433
CBR Circuits	MI-013B	10/3/06	Copper	WN		X	433
CBR Circuits	MI-013B	10/3/06	Lead			X	433
Crain Cutter Co. Inc.	MI-070C	10/1/07	Zinc	WN		X	433
Crain Cutter Co. Inc.	MI-070C	10/5/07	Zinc		X	X	433
Evenstar	SC-034B	2/1/07	Silver	NV		X	433
Evenstar	SC-034B	2/6/07	Silver		X	X	433
Evenstar	SC-034B	3/1/07	Silver	WN	X		433
Four-D Metal Finishing, Inc.	SC-375B	5/26/07	Late BMR 16-30	WN		X	433
Four-D Metal Finishing, Inc.	SC-375B	5/27/07	Late BMR 31+	NV	X	X	433
Headway Technologies, Inc.	MI-057A	2/19/07	pH	WN	X	X	433
Headway Technologies, Inc.	MI-057A	7/27/07	pH	WN	X	X	433
Headway Technologies, Inc.	MI-057A	10/8/07	pH	NV	X	X	433
Headway Technologies, Inc.	MI-057A	10/10/07	pH	WN	X	X	433
Headway Technologies, Inc.	MI-057A	10/12/07	pH	NV	X	X	433
Hunter Technology Corporation	SC-338B	10/22/07	pH	WN	X	X	433
Intevac	SC-259B	11/2/07	pH	NV	X	X	469
Intevac	SC-259B	11/20/07	pH	NV	X	X	469
Italix Company, Inc.	SC-028B	7/25/07	Copper	WN		X	433
Italix Company, Inc.	SC-028B	8/1/07	Copper	WN		X	433
J & K Anodize, Inc	SJ-524B	3/28/07	Nickel	WN		X	433
JDS Uniphase (Rose)	SJ-493B	5/4/07	Arsenic	NV		X	469
K & S Metal Finishing Co.	SC-298B	4/6/07	Permit Condition	NV		X	433
K & S Metal Finishing Co.	SC-298B	4/9/07	SMR	WN		X	433
K & S Metal Finishing Co.	SC-298B	4/24/07	Nickel	WN		X	433
Kion Technology, Inc.	SJ-191B	10/5/07	Permit Condition	WN		X	433

SIU Enforcement Summary 2007

Company Name	Permit #	DOV	Parameters Violated	Enforce Action	Violation		Cat
					Fed	Loc	
LSA-Cleanpart, LLC	SJ-318B	10/11/07	Copper	WN		X	433
Merit Sensor Systems	SC-164B	1/6/07	Xylene	WN		X	469
Merit Sensor Systems	SC-164B	7/6/07	Xylene	WN		X	469
Micrel, Inc.	SJ-258A	8/28/07	pH	NV	X	X	469
Micro-Chem, Inc.	SC-218B	1/18/07	Copper	WN		X	433
MITICO Metal Finishers, Inc.	SJ-553B	8/8/07	Bypass	NV	X	X	433
Novellus Systems, Inc. 4000 N. First	SJ-383B	2/21/07	Copper	WN		X	433A
Peninsula Metal Fabrication	SJ-438B	2/1/07	Zinc	NV		X	433
Peninsula Metal Fabrication	SJ-438B	2/14/07	Zinc		X	X	433
Peninsula Metal Fabrication	SJ-438B	2/14/07	pH		X	X	433
Process Stainless Lab., Inc.	SC-276B	9/6/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/6/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	9/6/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/6/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/7/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/8/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/8/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/8/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/8/06	Zinc			X	433
Process Stainless Lab., Inc.	SC-276B	9/11/06	Copper	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/11/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/11/06	Zinc			X	433
Process Stainless Lab., Inc.	SC-276B	9/11/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	9/12/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/12/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/12/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/13/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/13/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/13/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/14/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/14/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/14/06	Chromium Total			X	433

SIU Enforcement Summary 2007

Company Name	Permit #	DOV	Parameters Violated	Enforce Action	Violation		Cat
					Fed	Loc	
Process Stainless Lab., Inc.	SC-276B	9/15/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/15/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	9/15/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/15/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/18/06	Copper	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/18/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/18/06	Zinc			X	433
Process Stainless Lab., Inc.	SC-276B	9/18/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	9/19/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/19/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/19/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/22/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/22/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/22/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/25/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/25/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/25/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/26/06	Copper	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/26/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	9/29/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	9/29/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	9/29/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	9/29/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/2/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/2/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	10/2/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/2/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/3/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/3/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	10/3/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/3/06	Chromium Total			X	433

SIU Enforcement Summary 2007

Company Name	Permit #	DOV	Parameters Violated	Enforce Action	Violation		Cat
					Fed	Loc	
Process Stainless Lab., Inc.	SC-276B	10/4/06	Copper	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/4/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/5/06	Chromium Total	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/13/06	Copper	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/13/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/16/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/16/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/16/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	10/16/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/17/06	Zinc	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/17/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	10/17/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/18/06	Nickel	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/18/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/18/06	Chromium Total			X	433
Process Stainless Lab., Inc.	SC-276B	10/19/06	Chromium Total	NV		X	433
Process Stainless Lab., Inc.	SC-276B	10/19/06	Copper			X	433
Process Stainless Lab., Inc.	SC-276B	10/19/06	Nickel			X	433
Process Stainless Lab., Inc.	SC-276B	12/1/06	Chromium Total	NV		X	433
Prodigy Surface Tech, Inc.	SC-344B	9/1/07	Copper	NV	X		433
Prodigy Surface Tech, Inc.	SC-344B	9/1/07	Zinc		X		433
Prodigy Surface Tech, Inc.	SC-344B	9/1/07	Nickel		X		433
Prodigy Surface Tech, Inc.	SC-344B	9/10/07	Nickel			X	433
Prodigy Surface Tech, Inc.	SC-344B	9/10/07	Copper		X	X	433
Prodigy Surface Tech, Inc.	SC-344B	10/18/07	Nickel	NV		X	433
Prodigy Surface Tech, Inc.	SC-344B	10/18/07	Copper			X	433
Pyramid Circuits	SC-009B	8/21/06	Copper	WN		X	433
Pyramid Circuits	SC-009B	12/14/06	Copper	WN		X	433
Pyramid Circuits	SC-009B	1/16/07	Copper	WN		X	433
Pyramid Circuits	SC-009B	2/15/07	Copper	WN		X	433
Pyramid Circuits	SC-009B	3/8/07	Copper	WN		X	433
Pyramid Circuits	SC-009B	3/15/07	Copper	WN		X	433
Pyramid Circuits	SC-009B	4/11/07	Copper	WN		X	433

SIU Enforcement Summary 2007

Company Name	Permit #	DOV	Parameters Violated	Enforce Action	Violation		Cat
					Fed	Loc	
Sanmina Corp Plant I	SJ-022A	1/18/07	Copper	WN		X	433
Sanmina Corp Plant I	SJ-022A	7/13/07	Copper	WN		X	433
Sanmina Corp Plant II	SJ-043A	1/18/07	Copper	WN		X	433
Siemens Water Technologies Corp.	MI-065C	2/7/07	SMR	NV	X	X	SIU
Silicon Valley Electroplating Corp.	MI-055B	2/25/07	pH	WN		X	433
Streamline Circuits	SC-350A	9/20/06	Copper	WN		X	433
Sun Surface Technology	SJ-510B	9/5/07	SMR	WN		X	433
Superior Chrome	SJ-263B	4/27/07	Nickel	WN		X	433
Superior Chrome	SJ-263B	5/2/07	Nickel	WN		X	433
Teltec Corporation DBA: Gorilla Circuits	SJ-449B	6/1/07	Cyanide Total	WN	X		433

Table of Administrative Citations Issued in 2007

Company Name	Permit #	Date Issued	DOV	Amount	ViolationType	Parameter
United Parcel Service	SJ-474B	01/25/2007	01/01/2007	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
Peninsula Metal Fabrication	SJ-438B	03/09/2007	02/14/2007	$ 500	SC-Violating concentration minimum limit	pH
Ecolab, Inc.	SJ-304B	03/14/2007	01/11/2007	$ 500	SC-Suspended Solids: Dissolved Matter	Suspended Solids
Walgreens #2081	SJ-526B	04/17/2007	03/23/2007	$ 500	SC-Exceeding concentration maximum limit	Silver
FJM Truck Repair, Inc.	SJ-400B	04/27/2007	03/15/2007	$ 500	SC-Exceeding concentration maximum limit	Zinc
San Jose Tallow Company	SJ-511B	05/31/2007	04/01/2007	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
Valley Radiologists Medical Group, Inc.	SJ-253B	06/05/2007	04/12/2007	$ 500	SC-Exceeding concentration maximum limit	Silver
JDS Uniphase (Rose)	SJ-493B	06/08/2007	05/04/2007	$ 500	SC-Exceeding concentration maximum limit	Arsenic
Picture People - Oakridge Mall	SJ-509B	08/17/2007	04/01/2007	$ 500	SC-Discharge Reports {Late Reporting (31 or more days late)}	Late SMR
Sun Surface Technology	SJ-510B	10/09/2007	09/05/2007	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
Micrel, Inc.	SJ-258A	10/10/2007	08/28/2007	$ 500	SC-Corrosive Matter pH less than 4.0 but greater than 2.0	pH
Golden Bear Packaging, Inc.	SJ-050B	11/01/2007	10/01/2007	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
			Total	$ 5,000		

Summary of City of Santa Clara Surcharges for All Permitted Industrial Users for 2007

Facility Name	Violation Type	Surcharge Amount	Parameter
Arnold's Metal Finishing	SC- Exceeding annual average concentration limit	$3894.98	Copper
Nu-Metal Finishing Inc.	Municipal Code - 15.14.575, SC-Corrosive Matter pH less than or equal to 2 or greater than 12.5 (Haz. Waste)	$1682.18	pH
K & S Metal Finishing Co.	SC- Exceeding monthy average concentration limit	$1671.08	Nickel
Process Stainless Steel	SC- Exceeding maximum allowable and annual average concentration limits	$1405.42	Chromium, Copper and Nickel
Swift Metal Finishing	SC- Exceeding maximum allowable and annual average concentration limits	$187.25	Nickel

Total: $ 8790.91

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Baseline Monitoring Report For 2007

Company	Permit No.	Notified	BMR Due	Received	BMR Comments
Disc Stampers, LLC	MI-121B	07/30/2007	10/30/2007	10/30/2007	
Four-D Metal Finishing, Inc.	SC-375B	02/07/2007	05/15/2007	05/21/2007	Verbal Warning issued for late BMR.
Hitachi Global Storage Technologies, Inc.	SJ-533B	07/14/2006	03/30/2007	03/22/2007	Discharge started in Jan, 2007.
Process Stainless Lab., Inc.	SC-276B	10/05/2007	01/05/2008	01/05/2008	

2007 Pretreatment Program Changes

Organizational Changes

In 2007, the City of San José (the City) completed the hiring of staff members for the San Jose/Santa Clara Water Pollution Control Plant (Plant) pretreatment program inspection program, Source Control. The Source Control recent hires include one new Senior Environmental Inspector, two new Environmental Inspectors and two Assistant Environmental Inspectors. To strengthen the pretreatment program permitting of Industrial Users (IUs), this function was moved to the Environmental Engineering Section. The City transferred two additional Environmental Inspectors into this section in April, filled the vacant Associate Sanitary Engineer position in August to supervise the section, and hired a new Sanitary Engineer in November to fill one of the vacant positions left by recent promotions.

The City also completed hiring additional staff for the Pollution Prevention Section. This section, started in 2006, brings together wastewater pollution prevention efforts that had been occurring under multiple groups, into a more unified and cohesive approach. A main task of this section is compiling data and developing the pollution prevention strategies contained in the *Annual Pollution Prevention Report* as part of the *Clean Bay Strategy Report* included in this *Annual Report*. The staff now includes a Senior Environmental Services Specialist, one Environmental Services Specialist, one Assistant Environmental Specialist, and one Environmental Inspector. The City will be hiring another Environmental Inspector in 2008.

The City completed the hiring of additional staff for the City's Fat Oil and Grease (FOG) Control Program. The City of San Jose's FOG program staff now consists of one Senior Environmental Inspector and eight in the Environmental Inspector series. This section is performing inspections in support of the City's Urban Runoff Management Plan and the Sanitary Sewer Management Plan for San Jose facilities only.

The City also recently promoted a new Lab Supervisor as well. A new organizational chart for the City of San José Environmental Services Department Watershed Protection Division is attached.

Update on Administrative Order (AO)

On March 17, 2005, following its 2004 audit of the Pretreatment Program for the San José/Santa Clara Water Pollution Control Plant, the U.S. Environmental Protection Agency (EPA) San Francisco office issued Administrative Order CWA-307-9-05-36 (Order). That Order required a series of analyses, corrections, and status reports focused on enhancing and improving the regulation and inspection of companies that discharge wastewater to the San Jose/Santa Clara Water Pollution Control Plant. The Administrative Order also included some of the issues found in the January 2004 PCI. The City responded to this Administrative Order in a letter dated June 30, 2005 and followed-up with a Progress Reports that were submitted on October 31, 2005 and February 26, 2006. In addition, draft sewer use ordinances and technical evaluation of

the adequacy of local limits was submitted on January 31, 2006 and July 30, 2006, respectively. A summary table on the status of the deadlines associated with this order were included with our 2007 First and Second Semi-Annual Pretreatment Reports on July 31, 2007 and January 31, 2008. The following discusses 2007 submittals, approvals, and updates for these activities:

- The Revised Sewer Use Ordinance
- Local Limits
- Pretreatment Program Audit
- 2007 Significant Industrial User (SIU) Permit Reissuance
- New Sampling Frequency

Sewer Use Ordinance Update

On August 28, 2007, the City sent a proposal of SUO changes in response to the Board's June 28, 2007 letter approving the revised local limits for the City of San Jose as proposed in our 2006 Local Limits Report. The San Jose City Council adopted changes to the local sewer use ordinance (SUO) on December 4, 2007, to incorporate the revised local limits and other proposed conditions, and the adopted changes went into effect 30 days following adoption on January 4, 2008. The proposed changes were driven either by specific direction the City received as a result of the US EPA Administrative Order (AO) issued on March 17, 2005 (CWA-307-9-05-36) or by staff to improve program clarity.

Unlike the revision of the local limits, which was identified as substantial, these changes do not fall into the criteria for substantial modifications as defined in 40 CFR 403.18. Accordingly, the City approached these additional changes as non-substantial modifications to our pretreatment program, and notified the Board by letter on August 28, 2007 of our approach. These changes will also be adopted by all other jurisdictions tributary to the San Jose/Santa Clara Water Pollution Control Plant in early 2008.

One such change includes requiring Zero Discharge Categorical Permits for companies whose business processes fall into a federally regulated category but do not actually discharge wastewater into the sanitary system. These companies are currently subject to the City's self-certification program; however, US EPA has required that the City regulate these companies by permit instead.

A summary of all the changes that were adopted as proposed, are listed in the following Table 1.

Table 1 - Summary of Proposed San Jose Sewer Use Ordinance Revisions

Topic Area	Summary of Proposed Changes	Driver
Local Limits Revision	Revises Sewer Use Ordinance (SUO) language including definitions and other sections as required to implement the revised local limits (See Table 2.)	Federal Pretreatment Regulations

Topic Area	Summary of Proposed Changes	Driver
Zero Discharge Categorical Permits	Revises SUO language including definitions and other sections to expand the City's authority to issue discharge permits to categorical industries that do not discharge wastewater from a categorical process to the sanitary system.	Federal Pretreatment Regulations
Federal Definitions	Adds the following federal definitions to the definitions section of the SUO: • Pass-through • Significant Industrial User • Significant Noncompliance • Significant Change • Existing Source • Categorical Industrial User (CIU) • New Source • Pretreatment Standard • Pretreatment Requirements	Federal Pretreatment Regulations
New Definitions	Adds the following definitions to the definitions section of the SUO: • Composite Sample • Contaminated Storm Water • Continuous Discharge • Diluting Waters • Discharger • Domestic Wastewater • Operator • Owner	Programmatic Clarification
Batch Discharge and Sampling Definition	Clarifies language by defining Batch Discharge and Sampling from batch discharge.	Federal Pretreatment Regulations
Accidental Slug Discharge Changes	Clarifies definitions to include any unintentional, unanticipated, or unexpected discharge and any non-routine or episodic discharge potential to violate any discharge standards. Includes spills or slug discharges. Revises language for the following requirements: • All permitted facilities will be required to maintain a spill control plan to protect from accidental discharge and update the plan regularly to keep it current. • Requirement for Notification of slug discharge revised to within 1 hour of becoming aware of violation.	Federal Pretreatment Regulations
Follow-up from Accidental Discharge	Clarifies language such that in the event of an accidental discharge: • A spill control plan will be required. • The plan must be submitted or updated to address the accidental discharge within 30 days of the accidental discharge or as required by the Director.	Federal Pretreatment Regulations
Monitoring Facilities	Adds requirement that sample points must be designed to retain a volume of the last wastewater discharged so that a sample representative of the last wastewater discharged can be collected at any time.	Programmatic Clarification
Interfering substances	Adds language specifying that once a violation has occurred, the discharger is required to collect another sample of process wastewater, analyze the sample, and submit the sample analysis within 30 days of becoming aware of a violation.	Federal Pretreatment Regulations

Topic Area	Summary of Proposed Changes	Driver
Late Permit Applications	Revises language to specify that permit applications are due 90 days prior to discharge to the sanitary system or expiration of existing discharge permit. Previously permit applications were required prior to discharge.	Programmatic Change
Record Keeping	Adds language to incorporate into the SUO the record keeping requirements already stated in current discharge permits.	Federal Pretreatment Regulations
Discharge Reports	Expands reporting requirements to include: • Waste hauling records or other information relating to generation of wastes. • Baseline monitoring reports or other implementation plans required to bring Discharger into compliance.	Federal Pretreatment Regulations

Local Limits

One component of the City's SUO changes was the local limits update. Table 2 is a summary of the local limits changes approved by EPA and the Regional Board in June 2007.

On January 9, 2008, the City sent all San Jose/Santa Clara Water Pollution Control Plant Industrial Discharge Permitted facilities (IUs) located San José a permit amendment letter. For interfering substances with less stringent local limits, the new local limits were effective on January 4, 2008. For the interfering substances with more stringent local limits, the facility has 30 days from the date of the letter to meet compliance.

Table 2: New Local Limits for 2008

Local Limit (mg/l)	Current	Proposed	Local Limit (mg/l)	Current	Proposed
Antimony	5.0	**5.0**	Mercury	0.010	**0.010**
Arsenic	1.0	**1.0**	Nickel	0.5-2.6	**0.5**
Beryllium	0.75	**0.75**	Selenium	2.0	**1.0**
Cadmium	0.7	**0.7**	Silver	0.7	**0.7**
Chromium total	1.0	**1.0**	Zinc	2.6	**2.6**
Copper	1.0-2.7	**2.3**	Total phenol	30	**30**
Cyanide total	0.5	**0.5**	Total toxic organics	2.13	**none**
Lead	0.4	**0.4**	Xylene	1.5	**none**
Manganese	35.0	**None**			

Third Party Audit Report Follow-up and Progress Report

The City contracted with a consultant to conduct the audit of the City's compliance monitoring program as required by the Order. The audit team comprised of representatives from Eisenberg, Olivieri, and Associates (EOA) and Larry Walker Associates (LWA). The team performed the audit during the months of May and June 2007. In general, the audit team found that the City's revisions to the Discharge Permits, Fact Sheets, and Procedures meet Federal Pretreatment Regulations requirements and that City's Compliance Monitoring Enhancement Plan requirements fulfill the findings of the Order. Overall the audit team found the City's current program acceptable; however,

the team did have minor corrections and recommendations that would improve clarity, documentation and consistency among inspectors and permits. The final audit report was forwarded to the EPA on June 29, 2007. Staff has prepared a complete report responding to specific audit recommendations and has submitted that to EPA on August 31, 2007. Additionally, with this submittal, the City provided copies of revised permitting procedures and guidance documents and a comprehensive response to the EPA's March 30, 2007 review of the City's responses to the Order.

2007 Permit Program

The EPA, through the AO, required changes to the City's permit document and required that the City reissue all of its SIU permits. On March 30, 2007, EPA provided further comments and required additional changes to the City's permit documents. The City provided EPA a revised permitting strategy that included time to incorporate the latest requirements into the permit document templates and make necessary changes to the Environmental Enforcement Data Management System that would facilitate the permit issuance process. The City was notified by the EPA on July 9, 2007 of a revised schedule to reissue all 156 SIU permits by June 2009, with a major midpoint milestone to reissue over 100 permits for specific types of companies by June 2008.

The City made significant improvements to permit and factsheet electronic information capabilities in the Environmental Enforcement Data Management System database in 2007. An example of the revised Permit and factsheet were submitted to the Regional Board and EPA on August 31, 2007. By the close of 2007, the City submitted two quarterly progress reports for the periods ending September 30, 2007 and December 31, 2007. During this time frame, the City reissued or renewed 57 SIU discharge permits on the revised format. Applications for Zero Discharge Categorical (ZDC) Permits were also sent to facilities in San Jose that have categorical operations on site but do not discharge wastewater from these processes to the sanitary sewer. These ZDC Permits will be issued in early 2008 after the SUO changes become effective.

New Sample Frequency

Another program change prompted by the Administrative Order is a refinement to the inclusion for all SIU permits of "the sampling frequency by regulated pollutant for each compliance sampling point, and the supporting statistical rationale, to ensure that the sampling is representative of the wastewater discharge variability over the reporting period." Based on a benchmarking survey of other pretreatment programs, the City is initiating an increased sampling program for companies meeting the City's criteria for identifying a company's discharge as variable.

To collect samples that are representative of an SIU's variable discharge practices, the dischargers will be segregated into three categories which are based on discharge type: Consistent, Variable and Extremely Variable. A consistent discharger would continue to sample with a frequency of semiannually. An SIU would be considered a Variable discharger if the following are all true.

- Discharge is more than 5000 gpd.
- Processes produce discharge that changes over time or days.

- Treatment of wastewaters does not include ion exchange, membrane or ultra filtration, or batch discharge.
- Discharger may treat concentrated baths.
- A discharger that fits these criteria would be considered a Variable discharger, and sample quarterly. Dischargers that are 40 CFR 437 facilities, which have large variability in their discharge, would be considered “Extremely Variable” and sample monthly.
- The proposed annual sampling frequency established for the three groups is went into effect on September 1, 2007 and is summarized in the following table, entitled “Representative Sampling Frequency”

Table 3: Representative Sampling Frequency

Discharge Type	City Sampling	SIU Sampling
Consistent	2	2
Variable	4	4
Extremely Variable	12	12

Attachment 1: City of San José Changes to Sewer Use Ordinance

CITY OF SAN JOSÉ, CALIFORNIA

Office of the City Clerk
200 East Santa Clara Street
San José, California 95113
Telephone (408) 535-1260
FAX (408) 292-6207

City Clerk

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA)
CITY OF SAN JOSE)

I, Lee Price, City Clerk & Ex-Officio Clerk of the Council of and for the City of San Jose, in said County of Santa Clara, and State of California, do hereby certify that **"Ordinance No. 28179"**, the original copy of which is attached hereto, was passed for publication of title on the **20th day of November, 2007,** was published in accordance with the provisions of the Charter of the City of San Jose, and was given final reading and adopted on the **4th day of December, 2007,** by the following vote:

AYES:	CAMPOS, CHIRCO, CHU, CONSTANT, CORTESE, OLIVERIO, PYLE, WILLIAMS; REED
NOES:	NONE
ABSENT:	LICCARDO, NGUYEN
DISQUALIFIED:	NONE
VACANT:	NONE

Said ordinance is effective as of **January 4, 2008.**

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City of San Jose, this **27th day of December, 2007.**

(SEAL) Barbara Condes for Lee Price

LEE PRICE, MMC
CITY CLERK & EX-OFFICIO
CLERK OF THE CITY COUNCIL

12/27/07csd

ORDINANCE NO. 28179

AN ORDINANCE OF THE CITY OF SAN JOSE AMENDING CHAPTER 15.14 OF THE SAN JOSE MUNICIPAL CODE TO MODIFY LOCAL DISCHARGE LIMITS FOR COPPER, NICKEL, SELENIUM AND TOTAL PHENOL, TO ELIMINATE LIMITS FOR MANGANESE, TOTAL TOXIC ORGANICS AND XYELENE; TO ADD DEFINITIONS, TO CONFORM MUNICIPAL CODE REQUIREMENTS TO FEDERAL PRETREATMENT PROGRAM REQUIREMENTS, TO EXPAND REPORTING, RECORD KEEPING AND SAMPLING REQUIREMENTS AND TO REQUIRE INDUSTRIAL PRETREATMENT APPLICATIONS TO BE FILED AT LEAST NINETY DAYS PRIOR TO DISCHARGE OR THE EXPIRATION OF AN EXISTING PERMIT

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF SAN JOSE:

SECTION 1. Part 2 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to be numbered, entitled, and to read as follows:

Part 2

Definitions

15.14.200 Definitions

The definitions set forth in this Part 2 shall govern the application and interpretation of this Chapter.

15.14.205 Accidental Discharge

"Accidental discharge" means any discharge at a flow rate or concentration which could cause a violation of the discharge standards in this Chapter or any discharge of a non-routine, episodic nature, including but not limited to, an accidental spill or slug.

15.14.210 Ammonia

"Ammonia" means that form of nitrogen which is chemically definable as NH_3.

15.14.215 Audit Protocols

"Audit protocols" means the procedures to be followed in performing flow and pollutant audit studies.

15.14.220 Average Concentration

"Average concentration" means the concentration of a pollutant in an Industrial User's discharge that is calculated by adding the concentrations of the particular pollutant in all composite samples taken during a given time period, including but not limited to, self monitoring samples, and dividing the total by the number of samples taken.

15.14.225 Batch Discharge

"Batch Discharge" means the discharge of wastewater resulting from an intermittent treatment process in which an identified amount of process wastewater is collected, treated to meet discharge standards, and released to the sanitary sewer system.

15.14.230 Best Management Practices

"Best management practices" means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the introduction of pollutants to the sanitary sewer system which have been determined by the Director to be cost effective for particular industry groups, business types, or specific industrial processes.

15.14.235 Biochemical Oxygen Demand

"Biochemical oxygen demand" means the quantity of oxygen expressed in parts per million (ppm) by weight, utilized in the biochemical oxidation of organic matter under standard laboratory conditions for five (5) days at a temperature of twenty degrees centigrade (20° C).

15.14.240 Categorical Industrial User or CIU

"Categorical Industrial User" or "CIU" means a source performing any categorical process subject to Federal pretreatment standards, as described in 40 CFR 405 - 471 that has any connection to the sanitary sewer system.

15.14.245 Categorical Pretreatment Standard or Categorical Standard

"Categorical Pretreatment Standard" or "Categorical Standard" means any regulation containing pollutant discharge limits promulgated by EPA that apply to specific categories of users and which appear in 40 CFR 405-471.

15.14.250 Code of Federal Regulations

"Code of Federal Regulations" or "CFR" refers to the Code of Federal Regulations as published by the Office of the Federal Register National Archives and Records Administration. Whenever a reference is made to any portion of said Code, or to any other federal regulation, such reference shall apply to all amendments and additions to such portion of said Code now or hereafter enacted.

15.14.255 Composite Sample

"Composite sample" means a sample that accurately represents the average pollutant concentration during a continuous time period.

A. A flow-proportional or time-proportional sample may be obtained manually or automatically, and discretely or continuously. For manual compositing, at least six (6) individual samples from each sample point shall be combined and mixed to obtain one Composite sample; flow-proportion may be obtained either by varying the time interval between each discrete sample or the volume of each discrete sample.

B. If multiple batches are discharged over a 24-hour period, then one sample must be collected from each batch discharged in that 24-hour period and composited into a single sample. A single sample from a batch representing one or more production days will be considered a single composite sample.

15.14.260 Continuous Discharge

"Continuous Discharge" means a discharge which occurs without interruption throughout the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities.

15.14.265 Critical User

"Critical User" means a discharger whose wastewater contains priority pollutants, or who discharges any waste which has the potential to cause interference in concentrations above those allowed in this Chapter or who discharges in excess of 100,000 gpd.

15.14.270 Diluting Waters

"Diluting waters" means non-contact cooling water, boiler blowdown, domestic sewage, groundwater, storm water, surface drainage, reverse osmosis reject or potable waters which are not part of an industrial process and which do not contain priority pollutants but are combined with industrial wastewater prior to the monitoring point for industrial

wastewater discharge. Diluting waters also includes excess water used in rinse tanks when not in production.

15.14.275 Director

"Director" means the Director of Environmental Services.

15.14.280 Discharger

"Discharger" means any person discharging wastewater into the Sanitary Sewer System.

15.14.285 Domestic Wastewater

"Domestic wastewater" means Wastewater from private residences and wastewater from other premises resulting from the use of water for personal washing, sanitary purposes or the elimination of human wastes and related matter.

15.14.290 Existing Source

"Existing source" means any source of discharge that is not a New Source.

15.14.295 Garbage

"Garbage" means wastes from the preparation, cooking and dispensing of foods and from the handling, storage and sale of produce.

15.14.300 Grab Sample

"Grab sample" means a single discrete sample collected at a particular time and place that represents the composition of the wastestream only at that time and place.

15.14.305 Grease

"Grease" means n-hexane-soluble matter, and shall include each of the following two types:

A. Dispersed grease, which means grease that is not floatable grease.

B. Floatable grease, which means grease that floats on the surface of quiescent sewage water or other liquid or which floats when mixed or added to water.

15.14.310 Industrial User

"Industrial User" means any nonresidential user that discharges industrial wastes to the sanitary sewer system.

15.14.315 Industrial Wastes

"Industrial wastes" means the wastes from producing, manufacturing and processing operations of every kind and nature.

15.14.320 Interference

A. "Interference" means a discharge which alone, or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the processes or operation of the sanitary sewer system, including the plant, or causes or significantly contributes to a violation of any requirement of the National Pollutant Discharge Elimination System (NPDES) permit, which is a permit issued to the City pursuant to Section 402 of the Clean Water Act.

B. "Interference" also includes prevention of biosolids use or disposal by the plant in accordance with published regulations providing guidelines under Section 405 of the Clean Water Act or in regulations developed pursuant to the Solid Waste Disposal Act (SWDA), the Clean Water Act, the Toxic Substances Control Act, or more stringent state regulations (including those contained in any state biosolids management plan prepared pursuant to Title IV of SWDA) applicable to the method of disposal or use employed by the plant.

15.14.325 Low Flow Discharger

"Low Flow Discharger" means an industrial discharger whose average process flow, as shown on the Dischargers' Application to Discharge and as measured as a rolling six month average, is less than one thousand (1,000) gallons per day.

15.14.330 Maximum Allowable Concentration

"Maximum allowable concentration" means the highest permissible concentration or other measure of pollutant magnitude taken at a specific point in time or period of time.

15.14.335 New Source

"New source" means:

A. Any building, structure, facility or installation from which there is (or may be) a discharge of pollutants, the construction of which commenced after the publication of proposed Pretreatment Standards under section 307(c) of the

Clean Water Act that will be applicable to such source if such Standards are thereafter promulgated in accordance with that section, provided that:

1. The building, structure, facility, or installation is constructed at a site at which no other source is located; or

2. The building, structure, facility or installation totally replaces the process or production equipment that causes the discharge of pollutants at an Existing Source; or

3. The production or wastewater generating processes of the building, structure, facility or installation are substantially independent of an Existing Source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the Existing Source, should be considered.

B. Construction on a site at which an Existing Source is located results in a modification rather than a New Source if the construction does not create a new building, structure, facility, or installation meeting the criteria of Section A (2) or (3) above but otherwise alters, replaces, or adds to existing process or production equipment.

C. Construction of a New Source as defined under this paragraph has commenced if the Owner or Operator has:

1. Begun, or caused to begin, as part of a continuous onsite construction program

   a. Any placement, assembly or installation of facilities or equipment; or

   b. Significant site preparation work, including clearing, excavating, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

2. Entered into a building contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.

15.14.340 Owner

"Owner" means any person who owns private premises that contain a Source as defined in this Section.

15.14.345 Operator

"Operator" means any person who owns, leases, operates, controls, or supervises a Source as defined in this Section.

15.14.350 Pass-Through

"Pass-Through" means a discharge which exits the Plant into waters of the U.S. in quantities or concentrations which alone, or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the Plant's NPDES permit, including an increase in the magnitude or duration of a violation.

15.14.355 pH

"pH" means the logarithm of the reciprocal of the concentration of hydrogen ions in moles per liter of solution.

15.14.360 Plant

"Plant" means the San José/Santa Clara Water Pollution Control Plant.

15.14.365 Pretreatment Standard

"Pretreatment Standard" means prohibited discharge standards, Categorical Pretreatment Standards, and local limits.

15.14.370 Pretreatment Requirements

"Pretreatment Requirements" means any substantive or procedural requirement related to pretreatment imposed on an Industrial User other than a Pretreatment Standard.

15.14.375 Priority Pollutants

"Priority pollutants" means all pollutants as defined by the "General Pretreatment Regulations" of the Environmental Protection Agency, found at 40 CFR 401 and 403.

15.14.380 Process Flow

"Process flow" means the daily, twenty-four (24) hour, flow of wastewater from any kind or nature of production, manufacturing or processing operation, including industrial and

commercial operations where water is used for the removal of any type of waste other than sanitary sewage. Process flow does not include diluting waters.

15.14.385 Reasonable Control Measures

"Reasonable control measures" means control technologies, best management practices, source control practices, and waste minimization procedures which prevent or reduce the introduction of pollutants to the sanitary sewer system and are determined by the Director to be cost effective for particular industry groups, business types, or specific industrial processes.

15.14.390 Sanitary Sewage

"Sanitary sewage" means water-carried wastes from residences, business buildings, institutions, and industrial establishments, excluding ground, surface and storm waters, subsurface drainage and also excluding industrial waste.

15.14.395 Sanitary Sewer System

"Sanitary sewer system" means all sewers, treatment plants, and other facilities owned or operated by the City for carrying, collecting, pumping, treating, and disposing of sanitary sewage and industrial wastes.

15.14.400 Sewer

"Sewer" means a pipe or conduit for carrying sewage.

15.14.405 Significant Change

"Significant change" means any change in an Industrial User's operation that results in any of the following:

A. A flow that exceeds the expected peak flow as shown in the sewage treatment plant connection allocation for the property on which the Industrial User is located.

B. An increase in average process flow of twenty-five percent (25%) over the Industrial User's average process flow for the dischargers' most immediate preceding compliance period.

C. Adding or deleting process discharge or sample points.

15.14.410 Significant Industrial User

"Significant Industrial User" means:

A. An Industrial User that has processes subject to categorical Pretreatment Standards; or

B. An Industrial User that:

1. Discharges an average of twenty-five (25,000) gpd or more of process wastewater to the sanitary system (excluding sanitary, noncontact cooling and boiler blowdown wastewater); or
2. Contributes a process wastestream which makes up five (5 percent or more of the average dry weather hydraulic or organic capacity of the Plant); or

3. Is designated as such by the Director on the basis that it has a reasonable potential for adversely affecting the Plant's operation or for violating any Pretreatment Standard or Requirement.

15.14.415 Significant Noncompliance

An Industrial User is in "significant noncompliance" if it has a violation or violations meeting one or more of the following criteria:

A. Chronic violations of wastewater discharge limits defined here as those in which sixty-six percent or more of all the measurements taken during a six-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3 (l);

B. Technical Review Criteria (TRC) violations, defined here as those in which thirty-three percent or more of all the measurements for each pollutant parameter taken during a six month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3 (l) multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH;

C. Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3 (l) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the Director determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of the Director personnel or the general public);

D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the Plant's exercise of its emergency authority to halt or prevent such a discharge;

E. Failure to meet, within 90 days after the scheduled due date, a compliance schedule milestone contained in a discharge permit or enforcement order for starting construction, completing construction, or attaining final compliance;

F. Failure to provide, within 45 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

G. Failure to accurately report noncompliance; and

H. Any other violation or group of violations, which may include a violation of Reasonable Control Measures, which the Director determines will adversely affect the operation or implementation of the pretreatment program.

15.14.420 Slug Load or Slug Discharge

"Slug load" or "Slug discharge" means any discharge of a non-routine, episodic nature, including but not limited to, an accidental spill or noncustomary batch Discharge, which has a reasonable potential to cause Interference or pass-through or in any other way cause a violation of the provisions of this Chapter or applicable permit conditions.

15.14.425 Source

"Source" means any building, structure, facility or installation from which there is or may be a potential as determined by the Director to discharge pollutants above the local limits included in this Chapter or state or federal limits or wastewater of such volume or strength that is may cause Interference, Pass Through or operational problems in the sanitary sewer system or at the San José/Santa Clara Water Pollution Control Plant.

15.14.430 Standard Discharger

A "Standard discharger" means any Industrial Discharger who is not a Low Flow Discharger.

15.14.435 Standard Methods

A. "Standard methods" means the procedures set forth in the Code of Federal Regulations, unless another method for the analysis of industrial wastewater has been approved, in writing, in advance of use of the procedure by the Director.

B. All analyses shall be performed by a laboratory certified by the state for the specific pollutants and matrix to be analyzed, unless otherwise approved, in writing, by the Director prior to performance of a sample analysis.

15.14.440 Storm Waters

"Storm waters" means the flow across any surface or in storm sewers resulting from rainfall.

15.14.445 Suspended Solids

"Suspended solids" means solids that either float on the surface of, or are in suspension in water, sewage, or other liquids and which are removable by laboratory filtering.

15.14.450 Total Toxic Organics

"Total toxic organics" (TTOs) are the sum of the concentrations for each of the regulated toxic organic compounds listed at 40 CFR 401.15 and which are found in the discharge at a concentration greater than ten (10) micrograms per liter. Some categorical standards (40 CFR 405-471) list the specific toxic organic compounds that are to be included in the summation.

15.14.455 Trucked Or Hauled Waste

"Trucked or hauled waste" means any waste discharged into the sanitary sewer system after being placed in a motorized vehicle for removal from the location where the waste was generated or produced.

15.14.460 Zero Discharger

"Zero Discharger" means an industrial facility that does not discharge any wastewater except domestic wastewater to the sanitary sewer system.

SECTION 2. Section 15.14.520 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to be numbered, entitled, and to read as follows:

15.14.520 Regulation Of Trucked Or Hauled Waste

No person shall discharge, cause, allow or permit any trucked or hauled waste to be discharged into the sanitary sewer system, except at a site specifically designated in a wastewater discharge permit issued pursuant to this Chapter or a receiving station permit issued pursuant to Chapter 9.08 of this Code.

SECTION 3. Section 15.14.530 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.530 Protection From Accidental Discharge

A. Each Industrial User shall provide protection from accidental discharge of prohibited materials or other wastes regulated by this Chapter into either the storm sewer or sanitary sewer systems.

B. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the Industrial User's expense.

C. All Industrial Users shall notify the Environmental Services Department by telephone or in person within one (1) hour of becoming aware of accidentally discharging wastes of reportable quantities as determined in 40 CFR 117 or discharge of any substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261, to enable countermeasures to be taken by the city to minimize damage to the sanitary sewer system, plant, treatment processes, and the receiving waters. If hazardous waste is discharged, Industrial User shall be subject to all requirements in 40 CFR 403.12(p).

D. Telephone notification shall be followed, within five (5) days of the date of occurrence, by a detailed written statement describing the causes of the accidental discharge and the measures being taken to prevent future occurrences.

E. Notification to the City will not relieve Industrial Users of notification requirements under any other federal, state or local law, nor of liability for any expense, loss or damage to the sanitary sewer system, Plant or treatment process or receiving waters or for any fines or penalties imposed on the City on account thereof under applicable provisions of state or federal law.

F. All permitted facilities must maintain a spill control plan for protection against accidental discharges, including but not limited to, berming of chemicals and waste materials. The review of such plans and procedures shall not relieve the Industrial User from the responsibility of modifying the facility as necessary to provide the protection necessary to meet the requirements of this Code or other state or federal regulations.

G. This plan must be reviewed and revised as needed within 30 days after an accidental discharge has occurred or as required by the Director.

SECTION 4. Section 15.14.535 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.535 Pretreatment By Owner

Each Owner shall, at the Owner's own expense, provide such treatment or take such other measures, as the Director may require to prevent accidental discharge, reduce objectionable characteristics, contents, or rate of discharge of waters or wastes being deposited in the sanitary sewer system to prevent damage to or interference with the sanitary sewer system.

SECTION 5. Section 15.14.540 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.540 Monitoring Facilities

A. The Director may require any Discharger to the sanitary sewer system to construct, at the Discharger's own expense and at an approved location, monitoring facilities to allow inspection, sampling, and flow measurement of the building sewer or internal drainage systems.

B. The monitoring facilities, sampling, and measurement equipment and access thereto shall be maintained at all times in a safe and proper operating condition at the expense of the Discharger.

C. Any required monitoring facilities shall be specified in the wastewater discharge permit issued pursuant to this Chapter.

D. Dischargers shall retain sufficient wastewater in their sample box at all times to allow sample collection representative of the last wastewater discharge.

SECTION 6. Section 15.14.585 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.585 Interfering Substances

A. No person shall discharge, cause, allow or permit to be discharged into the sanitary sewer system or any part thereof, any industrial waste containing any of the following toxic substances exceeding the concentrations set forth below:

Toxic Substance	Standard Discharger Maximum Allowable Concentration	Low Flow Discharger Maximum Allowable Concentration
Antimony	5.0 mg/l	5.0 mg/l
Arsenic	1.0 mg/l	1.0 mg/l
Beryllium	0.75 mg/l	0.75 mg/l
Cadmium	0.7 mg/l	0.7 mg/l
Chromium, Total	1.0 mg/l	1.0 mg/l
Copper	2.3 mg/l	2.7 mg/l
Cyanides	0.5 mg/l	0.5 mg/l
Lead	0.4 mg/l	0.4 mg/l
Mercury	0.010 mg/l	0.010 mg/l
Nickel	0.5mg/l	2.6 mg/l
Phenol & derivatives	30.0 mg/l	30.0 mg/l
Selenium	1.0 mg/l	1.0 mg/l
Silver	0.7 mg/l	0.7 mg/l
Zinc	2.6 mg/l	2.6 mg/l

B. No person shall discharge, cause, allow, or permit to be discharged into the sanitary sewer system or any part thereof, any toxic or poisonous substances or any other pollutant, including biochemical oxygen demand, in sufficient quantity to injure or cause an interference with the sewage treatment process or pass through the Plant, or in sufficient quantity to constitute a hazard to humans or animals, or in sufficient quantity to create a hazard for humans, or aquatic life in any waters receiving effluent from the sanitary sewer system, or which may create a hazard in the use or disposal of sewage sludge.

C. All samples, both grab and composite, shall demonstrate compliance with the above limits.

D. Any Industrial User that violates any of the Interfering Substances limits must resample and submit sample reports for all pollutants in violation of any applicable permit limits or any other pollutants as required by the Director within thirty (30) days of becoming aware of the violation.

SECTION 7. Section 15.14.640 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 8. Section 15.14.645 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 9. Section 15.14.650 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 10. Section 15.14.655 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 11. Section 15.14.660 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 12. Section 15.14.665 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 13. Section 15.14.670 of Chapter 15.14 of Title 15 of the San José Municipal Code is hereby repealed.

SECTION 14. Section 15.14.675 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to be numbered, entitled and read as follows:

15.14.675 Record Keeping

All Industrial Users subject to the reporting requirements of this Chapter shall retain and make available for inspection and copying, all records of information obtained pursuant

to any monitoring activities required by this Chapter, and any additional records of information obtained pursuant to monitoring activities undertaken by the Industrial User independent of such requirements. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any enforcement action concerning the Industrial User, or where the Industrial User has been specifically notified of a longer retention period by the Director.

SECTION 15. Section 15.14.695 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.695 Discharge Reports

A. The Director may require that any person connected to or discharging wastewater into the sanitary sewer system file periodic discharge reports or a zero discharge report.

B. The periodic discharge report may be required to include, but need not be limited to, nature of process, volume, rates of flow, mass emission rate, hours of operation, number of employees, hauling records, potential for slug discharge or other information which relates to the generation of waste, including wastewater constituents and characteristics in the wastewater discharge and the ability of the discharger to meet applicable discharge limits.

C. The zero discharge report shall certify that the Zero Discharger does not discharge Industrial Waste to the sanitary sewer system. This report may be required to include, but need not be limited to, nature of process, hours of operation, number of employees, hauling records, or other information that relates to the generation of wastes.

D. The Director may also require such periodic discharge reports and zero discharge reports to include information concerning the chemical constituents and quantity of chemicals stored on-site, including waste hauling records or other information, which relates to the generation of wastes even though they may not normally be discharged.

E. In addition to discharge reports, the Director may require Dischargers to submit such additional reports as may be necessary to allow the City to evaluate the Discharger's ability to comply with this Chapter, including but not limited to Best Management Practice or self-monitoring reports.

F. It shall be unlawful for any person who has discharged wastewater to the sanitary sewer system to refuse to file any report requested by the Director.

G. Sampling and analysis shall be performed in accordance with 40CFR 136 and amendments thereto. Where 40CFR136 does not contain sampling or analytical methods for the pollutant in question, or where the Director determines that 40CFR136 are inappropriate for the pollutant in question, sampling and analysis shall be performed by using analytical methods validated by the Director.

SECTION 16. Section 15.14.725 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.725 Mandatory Wastewater Discharge Permits

No Critical User or Significant Industrial User shall connect, discharge, cause, allow, or permit any discharge, into the sanitary sewer system except in accordance with a discharge permit issued by the Director.

SECTION 17. Section 15.14.730 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.730 Permit Duration And Amendment

A. Discharge permits shall be issued for a specific duration, not to exceed five (5) years.

B. Permits shall be subject to amendment by the City as limitations or requirements for discharge are modified and changed.

C. The holder of a discharge permit shall be informed of any proposed amendment to its permit at least thirty (30) days prior to the effective date of the amendment.

D. The Director may include a compliance schedule in an amended permit.

SECTION 18. Section 15.14.735 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.735 Permit Application

A. All persons requiring a discharge permit shall file a complete application in the form prescribed by the Director and accompanied by the applicable fees as established by resolution of the City Council.

B. For new construction, permit applications shall be filed with the Director at the time that an application for a building permit for a new building or structure is made.

C. All persons discharging wastewaters into the sanitary sewer system for which a wastewater discharge permit has been issued must apply for a new permit prior to making a significant change in the operations affecting their discharge.

SECTION 19. Section 15.14.740 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.740 Delinquent Fees

A. Permit applications are due ninety (90) days prior to commencing discharge to the sanitary system or expiration of existing discharge permit. Any person who fails to file an application for a discharge permit prior to discharge shall be assessed a penalty for delinquent filing as follows:

1. Up to and including thirty (30) days delinquency, the penalty shall be fifty percent (50%) of the permit fee.

2. More than thirty (30) days but less than one year delinquency, the penalty shall be one hundred percent (100%) of the permit fee.

3. More than one (1) year delinquency, the penalty shall be one thousand percent (1,000%) of the permit fee.

B. Such penalties shall be in addition to any other penalties or fines that may be levied, and in addition to any other remedies that the City may have with respect to the discharge.

SECTION 20. Section 15.14.750 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.750 Additional Information

A. If the Director is not satisfied that the permit application has sufficient information to determine whether the permit should be issued, the Director may refuse to issue the permit or request that the applicant submit further information.

B. The applicant shall have thirty (30) working days, or such longer period of time as allowed by the Director, after reviewing a request for information to complete the application.

C. If the returned application is not resubmitted within the specified time period, then a new application for a discharge permit must be submitted along with the application fees and any delinquent fees for a new permit.

SECTION 21. Section 15.14.755 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.755 No Transfer Of Permit

Discharge permits are issued to a specific User for a specific operation. No User shall assign, transfer or sell a discharge permit, or use the permit for premises or for facilities or operations not covered by the permit.

SECTION 22. Section 15.14.760 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.760 Denial Of Permit

The Director may deny a wastewater discharge permit if any one or more of the following conditions exist:

A. The application is not accompanied by the required fee(s).

B. The application contains false or misleading information.

C. The issuance of the permit would result in the discharge of industrial wastes of such quantity or strength that the public health, safety, public, or private property are endangered.

D. The issuance of the permit would cause the Plant to violate any permit conditions, laws, or regulations of the state and/or federal government.

E. The applicant has not provided adequate information to establish that its discharge will comply with all requirements of this Chapter and with such other terms and conditions as the Director may deem necessary to include in the applicant's permit.

F. The applicant has not provided plans for sufficient protection from accidental discharges to the land, storm sewer system, and sanitary sewer system.

G. If the Director refuses to issue a Permit, the application fees shall not be returned to the applicant unless the Director has ascertained that a permit is not required to discharge the wastewater for which the Permit Application is made.

SECTION 23. Section 15.14.765 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.765 Permit Conditions

A. Discharge permits shall be expressly subject to all provisions of this Chapter and all other regulations, user charges, discharge limitations, and fees established by the City and all applicable local, state and federal laws and regulations.

B. The permit may include such terms and conditions as the Director may deem necessary to implement this Chapter, or any other applicable local, state or federal laws and regulations, including but not limited to:

1. Limits on the average and maximum wastewater volume, constituents and characteristics;

2. Requirements for installation and maintenance of flow monitoring, inspection and sampling facilities;

3. Specifications and pretreatment requirements for monitoring programs which may include sampling locations, frequency of sampling, number, types and standards for tests and reporting schedule;

4. Compliance schedules;

5. Requirements for submission of technical reports or discharge reports;

6. Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the City and affording the City access thereto;

7. Requirements for notification to the City of any new introduction of wastewater constituents or any significant change in the volume or character of the wastewater constituents being introduced into the wastewater stream;

8. Requirements and plans for protection against accidental discharges, including but not limited to, berming of chemicals and waste materials. The review and approval of such plans and operating procedures shall not

relieve the user from the responsibility of modifying the facility as necessary to provide the protection necessary to meet the requirements of this code or other state or federal regulations; and

9. Requirements for notification of accidental discharges.

SECTION 24. Section 15.14.785 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to read as follows:

15.14.785 Permit Appeals

A. Any permittee or permit applicant may appeal a notice of revocation of a discharge permit, notice of denial of a permit, any term or condition of a permit, amendment of a permit or notice of termination of service to the Director.

B. A request for hearing on a decision to revoke a permit or terminate service shall be filed, in writing, with the Director, within ten (10) days after the date the notice of revocation or termination of service is served on the permittee. A request for hearing on a decision to revoke a permit or terminate service shall, except in the case of immediate permit revocation or suspension of service for the preservation of public health or safety or for the protection of public or private property, stay the effect of the notice of revocation or termination of service, during the pendency of the appeal.

C. A request for hearing on a decision to deny a permit, on the terms or conditions in a permit, on an amendment to a permit, shall be filed, in writing, with the Director, within thirty (30) days after the date the notice of decision is served on the applicant.

D. Failure of a permittee or applicant to timely request a hearing shall be deemed acceptance of the Director's decision and the Director's decision shall be deemed final and effective.

E. At the hearing before the Director, the applicant shall be given an opportunity to present witnesses and documentary and other evidence.

F. The hearing will be conducted informally and technical rules of evidence shall not apply. Any and all evidence which the Director deems reliable, relevant, and not unduly repetitious, may be considered.

G. The applicant may be represented at the hearing by any other person.

H. The Director shall provide written notice of decision on the appeal to the permittee or applicant. The decision of the Director on the appeal shall be

deemed final and effective three (3) days after notice of the decision on appeal is served on the permittee or applicant.

I. Filing of a request for hearing shall not entitle any person to discharge in violation of any of the provisions of this code.

SECTION 25. Section 15.14.790 of Chapter 15.14 of Title 15 of the San José Municipal Code is amended to be numbered, entitled, and to read as follows:

15.14.790 Publication of Users In Significant Noncompliance

The Director is authorized to publish annually, a list of the Significant Industrial Users which, at any time during the previous twelve (12) months, were in Significant Noncompliance with applicable Pretreatment Standards and Requirements. The term Significant Noncompliance is defined in the Code of Federal Regulations, 40 CFR 403.8.

PASSED FOR PUBLICATION of title this 20th day of November, 2007, by the following vote:

AYES:	CAMPOS, CHIRCO, CONSTANT, CORTESE, LICCARDO, NGUYEN, OLIVERIO, PYLE, WILLIAMS; REED
NOES:	NONE
ABSENT:	CHU
DISQUALIFIED:	NONE

Chuck Reed

CHUCK REED
Mayor

ATTEST:

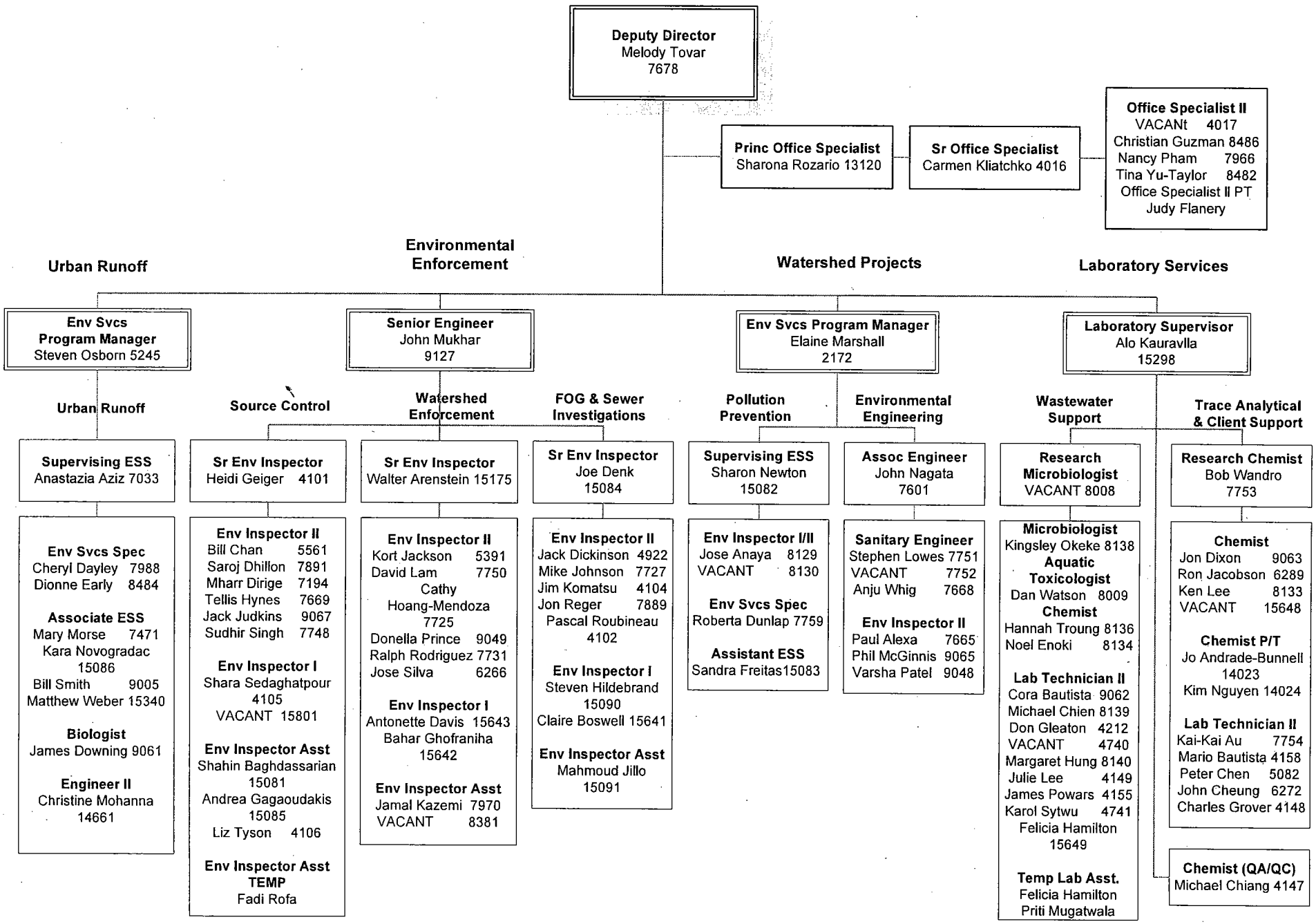
LEE PRICE, MMC
City Clerk

Attachment 2:
City of San José
Department of Environmental Services
Watershed Protection Organizational Chart

Watershed Protection Division

(90.5 FTE)

Updated 01/14/08



Pretreatment Program Expenses For Calendar Year 2007

The total number of staff devoted to the pretreatment program including staff in Source Control, the Laboratory, Fats, Oil and Grease, Pollution Prevention, and Engineering is 45 full-time employees. Personnel service expenses, including fringe benefits, and non-personal expenses were $5.1 million. The table following entitled, "Personnel and Non-Personnel Expenses for Calendar Year 2007" is a breakdown of these expenses.

For 2007 the expenses were updated to include, in addition to the traditional Laboratory, the Environmental Engineering, and Source Control section, the Pollution Prevention Program, the portion of the Fats, Oil and Grease program inspection staff dedicated to the sanitary sewer system, and a more inclusive accounting of other support staff resources.

Non-personnel expenses included supplies, training, printing reports, dues, and subscriptions. The table includes line item breakout for outreach materials and Contract work. This year the independent pretreatment audit and pretreatment program training were large contract items not normally included in the budget.

The Laboratory personnel distribution was based on sample load, type of analysis (wet chemistry or using advanced instruments), level of training or experience of the staff, and requested turn-around times requested. Lab Assignments typically would include:

- Sample bottle preparation and preservation,
- Sample log-in and chain of custody tracking,
- Analysis using advanced laboratory instruments and the Laboratory Integrated Management System (LIMS),
- Data entry and report generation in LIMS, and
- Review and validation of data and reports

The source of the funding for most programs is the Treatment Plant Operating Fund (Fund 513), comprised of funding from the tributary agencies. Money for this fund is generated through the collection of sewer use fees either on the customer's property tax bill or through the City's revenue program. Since the current fats oil and grease inspection program is currently only for facilities within the boundaries of the City, the funding source for four of the inspectors is the City of San José Sewer Service Use Fund (541).

Pretreatment Program Expenses for Calendar Year 2007

Position Title	**FTE's for 2007**	**Salary & Fringe**
Deputy Director	0.25	$ 41,216.40
Senior Engineer	0.50	$ 80,011.36
Laboratory Supervisor (LAB)	0.25	$ 33,131.88
Environmental Program Manager	0.70	$ 89,632.71
Senior Environmental Inspector (1 PT, 0.5 FOG)	1.00	$ 123,199.13
Senior Environmental Inspector (FOG)	0.50	$ 61,599.57
Research Chemist (LAB)	0.80	$ 98,166.02
Supervising Environmental Services Specialist (P2)	0.50	$ 59,903.13
Associate Engineer (ENG)	1.00	$ 122,359.35
Sanitary Engineer (ENG)	2.00	$ 238,979.52
Environmental Inspector (PT)	8.00	$ 925,200.64
Environmental Inspector (FOG)	4.50	$ 520,425.36
Environmental Inspector (ENG)	3.00	$ 346,950.24
Environmental Services Specialist (P2)	1.00	$ 117,975.52
Assistant Environmental Inspector (PT)	3.00	$ 254,331.48
Assistant Environmental Inspector (FOG)	1.00	$ 84,777.16
Assistant Environmental Services Specialist (P2)	1.00	$ 92,341.60
Laboratory Technician (LAB)	6.00	$ 568,326.72
Chemist (LAB)	4.00	$ 424,095.36
Research Chemist (LAB)	0.80	$ 98,166.02
Office Specialist (SUP)	2.49	$ 160,554.39
Senior Office Specialist (SUP)	0.55	$ 39,410.80
Principal Office Specialist (SUP)	0.55	$ 43,693.94
Analyst I (SUP)	0.63	$ 51,395.20
Analyst II (SUP)	0.63	$ 56,079.88
Personnel Total	**44.65**	**$ 4,731,923.36**

SUP = Support
ENG = Engineering
FOG = Fats Oil and Grease
LAB = Laboratory
P2 = Pollution Prevention
PT = Pretreatment

Non-Personal Expenses		
Source Control Supplies		13,576.00
Engineering Supplies		164.00
Pollution Prevention Supplies		1,581.00
Fats, Oil, and Grease Supplies dedicated to pretreatment		1,069.00
Computers/Software		10,910.00
Laboratory Supplies		125,000.00
Printing and Duplicating		7,449.00
Training (all travel expenses)		19,591.00
Dues & Subscriptions		3,417.00
		182,757.00
Contractual Services		
Source Control Training		$ 39,805
Pretreatment Program Audit		$ 60,725
Temp Sampling		$ 40,139
		$ 140,669
Outreach Expenses		
Outreach Support		**$ 68,837**
		$ 5,124,186

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Memorandum

TO: Lee Price
City Clerk

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: February 13, 2008

SUBJECT: Publication of Legal Notice for Industrial Waste Dischargers Who Were in Significant Noncompliance with EPA and Local Pretreatment Standards in 2007

BACKGROUND

The Environmental Services Department of the City of San Jose, as control authority for the San Jose/ Santa Clara Water Pollution Control Plant, is required by Federal Pretreatment Regulations to publish annually, a list of industrial wastewater dischargers who during the previous twelve months were in significant noncompliance of applicable EPA and Local Pretreatment Standards. Significant non-compliance is defined by the EPA General Pretreatment Regulations as follows:

> Chronic violations (exceeding the daily maximum limit or the average limit 66% of the time during a six month period) for the same pollutant parameter; Technical Review Criteria (TRC) violations (33% or more of measurements for each pollutant parameter taken during a six month period equal or exceed the product of the applicable limit times the TRC value [1.4 times the limit for a conventional pollutant or 1.2 times the limit for a toxic pollutant]); a violation of pass-through or interference; a discharge of imminent endangerment to human health, welfare, or the environment, or which required the POTW to use its emergency authorities under 40 CFR 403.8 (f) (1) (vi) (B); violations of a compliance schedule milestone by 90 days; violations of report submittal deadlines by 30 days; failure to report noncompliance; and any other violation deemed significant by the control authority.

There were three industrial wastewater dischargers found to be in significant noncompliance in 2007. Two dischargers are in the City of San Jose and one discharger is in the City of Milpitas. All of these dischargers have now achieved consistent compliance.

ACTION REQUIRED

Please process the attached Notice of Noncompliance for a one day publication in the San Jose Mercury News.

John Stufflebean
Director
Environmental Services Department

Attachment

cc: Debra Figone, City Manager
Lindsey Wolf, ESD

CITY OF SAN JOSE – NOTICE OF NON-COMPLIANCE
With Pretreatment Standards for Discharge of Industrial Wastewater to the Sewerage System

Under Environmental Protection Agency (EPA) General Pretreatment Regulations (40 CFR 403.8 (f)(2)(vii), the Environmental Services Department of the City of San Jose is required to publish annually a list of industrial wastewater dischargers located within the tributary area who, during the previous calendar year, were significantly not in compliance with applicable federal and local Pretreatment Standards for their industry as defined in 40 CFR 403.8 (f)(2)(vii)(A-H). The dischargers are listed below for the calendar year 2007.

Siemen Water Technology Corp.
960 Ames Ave., Milpitas, CA 95035
APPLICABLE PRETREATMENT STANDARD: Significant Industrial User-Noncategorical
VIOLATION: Late submittal of a Self-Monitoring Report
CURRENT STATUS: Consistent Compliance since February 28, 2007
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 1st

MITICO Metal Finishers, Inc.
1291 Oakland Rd., San Jose, CA 95112
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a)
VIOLATION: Bypassing of sample point
CURRENT STATUS: Consistent Compliance since October 10, 2007
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 3rd

Advanced Surface Finishing, Inc.
1181 N. 4th St., Unit B, San Jose, CA 95112
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a)
VIOLATION: Violated local and federal discharge limits for Copper, Cyanide, and Lead
CURRENT STATUS: Consistent Compliance since October 01, 2007
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 2nd

CITY OF SAN JOSE-NOTICE OF NON-COMPLIANCE With Pretreatment Standards for Discharge of Industrial Wastewater to the Sewerage System

Under Environmental Protection Agency (EPA) General Pretreatment Regulations (40 CFR 403.8 (f)(2)(vii), the Environmental Services Department of the City of San Jose is required to publish annually list of industrial wastewater dischargers located within the tributary area who, during the previous calendar year, were significantly not in compliance with applicable federal and local Pretreatment Standards for their industry as defined in 40 CFR 403.8 (f)(2)(vii)(A-H). The dischargers are listed below for the calendar year 2007.

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VIOLATION: Violated local and federal discharge limits for Copper, Cyanide, and Lead
CURRENT STATUS: Consistent Compliance since October 01, 2007
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 2nd

Feb. 25, 2008

2694369

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Environmental Services Department
SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

February 13, 2008

Dr. Lauren V. Fondahl
Biosolids Coordinator, Water Management Division
U. S. Environmental Protection Agency, Region IX
75 Hawthorne St.
San Francisco, CA 94105-3901

Subject: San José/Santa Clara Water Pollution Control Plant
NPDES #: CA0037842, Order # R2-2003-0085
Annual Biosolids Reuse Report 2007

Dear Dr. Fondahl:

This report summarizes biosolids reuse at the San Jose/Santa Clara Water Pollution Control Plant (Plant) for the year 2007. Our report includes information on landfill cover reuse and is submitted under requirements of 40 CFR Part 503 and Section D under Order #R2-2003-0085.

The San Jose/Santa Clara Water Pollution Control Plant is a 167 mgd advanced wastewater treatment facility. Wastewater treatment processes include: pretreatment screening and grit removal, primary sedimentation, biological treatment, dual media filtration, and chlorine disinfection. The biosolids processing steps include: dissolved air flotation thickening, anaerobic digestion, lagoon stabilization, and solar drying. Approximately one million gallons per day of fully digested sludge at approximately 2% solids is pumped to storage lagoons where the sludge remains for two to three years for stabilization. The sludge is then solar dried in the drying beds over a two to four month period with the assistance of mechanical mixing equipment.

The biosolids produced by the Plant are obtained through anaerobic digestion, long-term lagoon stabilization, and solar drying to significantly reduce pathogens (40 CFR Part 503, Appendix B, Nos. 2 & 3) followed by microbiological testing to demonstrate Class A certification (40 CFR Part 503.32(a)(6)). Vector attraction reduction on all stockpiles was achieved by anaerobic digestion to reduce volatile solids by a minimum of 38% (40 CFR Part 503.33(b)(1)).

During calendar year 2007, the remaining portion of stockpiled Windrow 2005, consisting of 16,196 dry tons or 14,693 dry metric tons of biosolids, as well as the entire Windrows 2007, consisting of 34,063 dry tons or 30,902 dry metric tons of biosolids, were reused. International Disposal Corporation (IDC), a subsidiary of Brown Ferris Industries, continued reusing the biosolids for alternative daily cover at their Newby Island Landfill. Approximately 50,259 dry tons or 45,595 dry metric tons were beneficially reused in 2007.

The Plant is mindful of the historic biosolids still on-site which are stored in approximately 23 inactive lagoons. The appropriate disposal/reuse of these biosolids will be evaluated as part of a comprehensive Plant Master Plan, which started in late 2007 and will be completed in 2010.

If you have need any additional information, or have questions, please feel free to contact Dr. Kevin Win Maung at (408) 945-5135 or myself at (408) 945-5198.

Sincerely,

DALE IHRKE
Deputy Director (WPC Plant Manager)
Water Pollution Control Division, Environmental Services Department

Attachments (3)
cc: Ms. Linda Rao, RWQCB

Annual Report to the EPA for Landfill Cover Reuse of Biosolids

Name of Facility:	San Jose/Santa Clara Water Pollution Control Plant		
Address:	700 Los Esteros Road		
City:	San Jose	**State:** CA	**Zip:** 95134
Facility Contact:	Kevin Maung	**Phone:**	(408) 945-5135
Facility Status:	Preparer of Biosolids		
NPDES Permit No:	CA-0037842, Order No. R2 2003-0085		

Reporting Period					
FROM			**TO**		
Year	Month	Day	Year	Month	Day
07	JAN	01	07	DEC	31

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information submitted, it 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.

Name and Official Title (Type or Print)	**Area Code and Phone**
Dale W. Ihrke Deputy Director, Environmental Services Department	(408) 945-5198
Signature	**Date Signed**
Dale W. Ihrke	02-14-08

Description of Biosolids Handling Processes:

The City of San Jose's biosolids handling processes include anaerobic digestion, lagoon thickening, and windrow solar drying. The entire process occurs in a four-year cycle, in which anaerobically digested sludge is pumped in the sludge lagoons in the first year; the sludge is further stabilized in the lagoon in the following two years; and finally in the fourth year, the sludge in the lagoons is dredged into drying beds to be solar dried in windrows to about 80% total solids in one summer season. Currently, biosolids produced are used for alternate daily cover in a neighboring landfill. In 2007, the City of San Jose removed biosolids from Windrow 2007 production, as well as remaining portions of stockpiled Windrow 2005 production for landfill cover. The City's biosolids production met Class A pathogen reduction requirements. Certification letters are attached. The City of San Jose has hired a contractor - International Disposal Corporation (IDC), a subsidiary of Browning Ferris Industries (BFI) to landfill the City's biosolids. IDC used all of Windrow 2007 and the remaining portion of Windrow 2005 biosolids for alternate daily cover between September and December of 2007.

Name and Address of person landfilling biosolids:

Name of Facility:	IDC Division of BFI, Newby Island Landfill		
Address:	1601 Dixon Landing Road, west of I-880		
City:	Milpitas	State: CA	Zip: 95035
Facility Contact:	Gil Cheso Doug Laws	Phone: (408) 945-2802 Phone: (408) 726-1204	

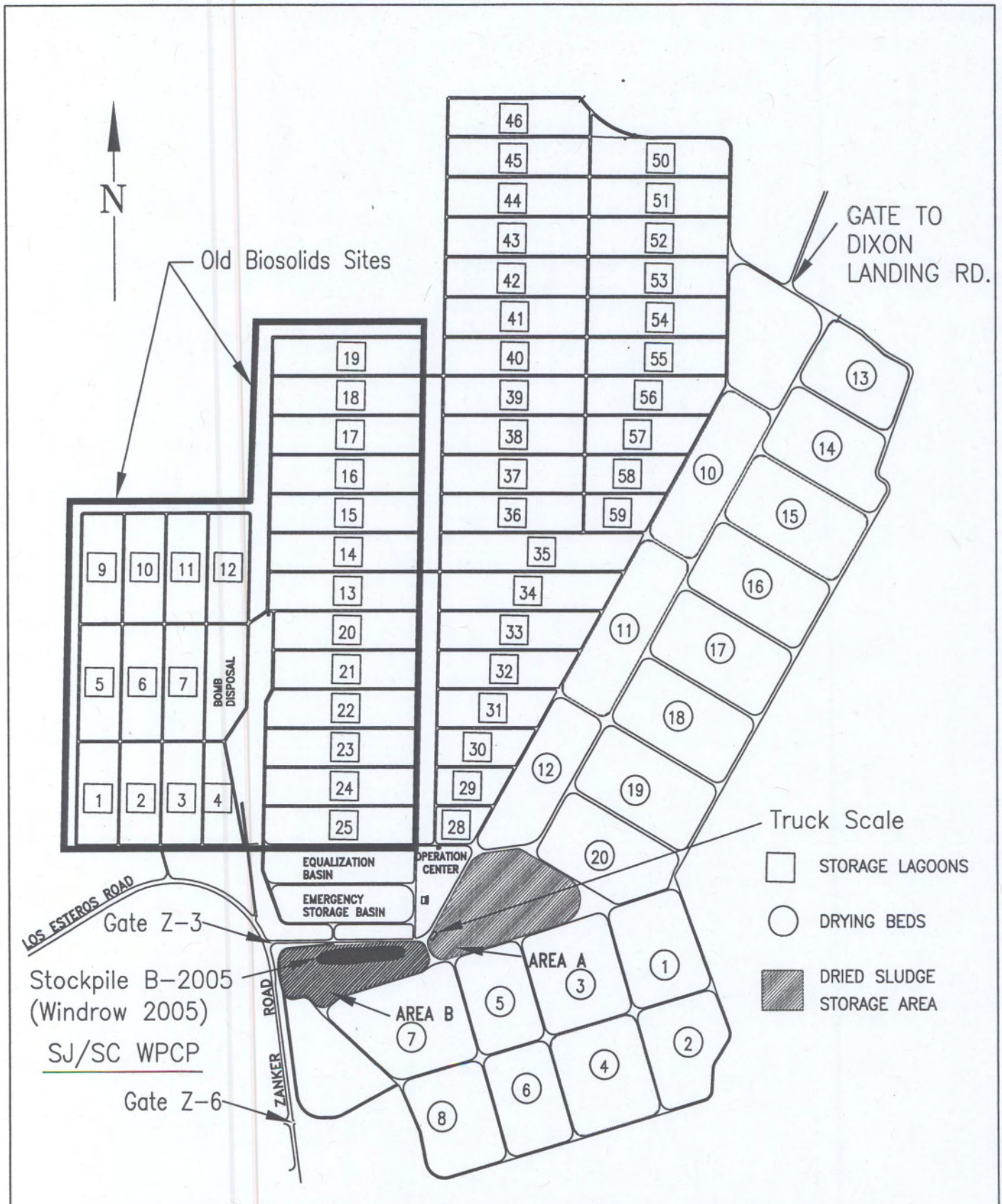
Certification for Vector Attraction Reduction	
I certify, under penalty of law, that the vector attraction requirement for Windrow 2007 and Windrow 2005 have been met by compliance 503.33(b)(1). This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel gather and evaluate the information used to determine that the pathogen and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification, including fine and imprisonment.	
Name of Facility: San Jose/Santa Clara Water Pollution Control Plant	
Address: 700 Los Esteros Road San Jose, CA 95134	
Name and Official Title (Type or Print) Dale Ihrke, P.E. Deputy Director, Environmental Services Department	**Area Code and Phone** (408) 945-5198
Signature Dale W. Ihrke	**Date Signed** 2-14-08

Certification for Pathogen Reduction
I certify, under penalty of law, that the Class A pathogen reduction requirement in 503.32 for Windrow 2005 and Windrows 2007 have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel gather and evaluate the information used to determine that the pathogen and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification, including fine and imprisonment.
Name of Facility: San Jose/Santa Clara Water Pollution Control Plant
Address: 700 Los Esteros Road San Jose, CA 95134
Name and Official Title (Type or Print) **Area Code and Phone** Dale Ihrke, P.E., Deputy Director, Environmental Services Department (408) 945-5198
Signature **Date Signed** Dale W. Ihrke 2-14-08

Attachment 1

Location Map

Stockpiles B-2005 (Windrow 2005)



SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT
RESIDUAL SLUDGE FACILITIES

SCALE: 1" = APPROX. 1000 FT.

Attachment 2

EPA Classification Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 1, 2007

Dr. Kevin Maung
Environmental Services Department
San Jose/Santa Clara Water Pollution Control Plant
700 Los Esteros Rd.
San Jose, CA 95134

Dear Dr. Maung:

This is to concur that the sampling results for biosolids drying beds 7, 10, 15, and 20, which were filled prior to 12/15/06, demonstrate that these meet Class A pathogen reduction levels. Based on these results, biosolids from the 2006 – 2007 drying beds that have been in drying beds for longer than 125 days are assumed to meet at least the same level of pathogen reduction, and to be Class A with respect to pathogens.

Based on past test results showing that pollutant levels for the metals regulated under 40 CFR 503 have been significantly under the Table 3 limits for the past 10 years, and since the extended treatment in digesters, lagoons, and drying beds ensures a fairly homogenous mixture, testing frequency has been reduced to biannually, so the results from the 2006 monitoring are considered to be representative for 2007, and the next monitoring will be for the 2008 batch.

Vector attraction reduction is achieved by volatile solids reduction of > 38% and/or by achieving a solids content of > 75%.

Please call me at (415) 972-3514 with any further questions.

Sincerely,

Lauren Fondahl

Lauren Fondahl
Biosolids Coordinator, Clean Water Act Compliance Office

Attachment 3

Laboratory Test Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

25 September, 2007

Kim Nguyen
City of San Jose ESD Lab
4245 Zanker Road, Suite L
San Jose, CA 95134

RE: Biosolids
Work Order: MQI0143

Enclosed are the results of analyses for samples received by the laboratory on 09/06/07 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes
Project Manager

CA ELAP Certificate # 1210

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottle #(1-20)	MQI0143-01	Soil	09/05/07 09:30	09/06/07 16:55

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil	**Sampled: 09/05/07 09:30**	**Received: 09/06/07 16:55**							
Mercury	**0.97**	0.039	mg/kg	2	7I20021	09/20/07	09/20/07	EPA 7471A	
Antimony	ND	25	"	5	7I11035	09/11/07	09/17/07	EPA 6010B	RL1
Arsenic	ND	25	"	"	"	"	09/20/07	"	RL1
Barium	**390**	25	"	"	"	"	09/17/07	"	
Beryllium	ND	0.50	"	"	"	"	"	"	RL1
Cadmium	ND	2.5	"	"	"	"	"	"	RL1
Chromium	**110**	25	"	"	"	"	"	"	
Cobalt	**18**	2.5	"	"	"	"	"	"	
Copper	**400**	20	"	"	"	"	"	"	
Lead	**47**	25	"	"	"	"	"	"	
Molybdenum	**9.5**	5.0	"	"	"	"	"	"	
Nickel	**72**	25	"	"	"	"	"	"	
Selenium	ND	50	"	"	"	"	"	"	RL1
Silver	ND	2.5	"	"	"	"	09/19/07	"	RL1
Thallium	ND	25	"	"	"	"	09/17/07	"	RL1
Vanadium	**88**	25	"	"	"	"	"	"	
Zinc	**910**	25	"	"	"	"	"	"	

10/2/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/26/07 16:24

STLC Metals by EPA 6000/7000 Series Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil Sampled: 09/05/07 09:30 Received: 09/06/07 16:55									
Copper	**3.3**	0.020	mg/l	1	7I14029	09/14/07	09/17/07	EPA 6010B	
Lead	**1.2**	0.20	"	"	"	"	"	"	

10/2/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.testamericainc.com

City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil Sampled: 09/05/07 09:30 Received: 09/06/07 16:55									
Benzene	ND	5.0	ug/kg	1	7112014	09/12/07	09/12/07	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	I
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	I
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	I
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	I
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	I
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	I
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	I
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	I
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	I
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	I
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	I
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	I
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	I
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	I
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	I

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil Sampled: 09/05/07 09:30 Received: 09/06/07 16:55									
Styrene	ND	5.0	ug/kg	1	7I12014	09/12/07	09/12/07	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	I
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	I
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	I
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	I
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	I
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	I
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88 %*	*70-120*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*65-135*		"	"	"	"	
Surrogate: Toluene-d8		*83 %*	*75-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*70 %*	*60-120*		"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil Sampled: 09/05/07 09:30 Received: 09/06/07 16:55									**RL1**
Acenaphthene	ND	5.0	mg/kg	20	7I19009	09/19/07	09/21/07	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil Sampled: 09/05/07 09:30 Received: 09/06/07 16:55									**RL1**
Hexachlorobenzene	ND	5.0	mg/kg	20	7I19009	09/19/07	09/21/07	EPA 8270C	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	10	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*58 %*		*10-125*	"	"	"	"	
Surrogate: Phenol-d6		*63 %*		*10-150*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*71 %*		*55-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*65 %*		*50-120*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*55 %*		*45-120*	"	"	"	"	
Surrogate: p-Terphenyl-d14		*63 %*		*55-120*	"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bottle #(1-20) (MQI0143-01) Soil	**Sampled: 09/05/07 09:30**	**Received: 09/06/07 16:55**							
Total Solids	79	1.0	%	1	7I10004	09/07/07	09/12/07	SM2540B	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I11035 - EPA 3050B / EPA 6010B										
Blank (7I11035-BLK1)				Prepared: 09/11/07 Analyzed: 09/14/07						
Antimony	ND	5.0	mg/kg							
Arsenic	ND	5.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.10	"							
Cadmium	ND	0.50	"							
Chromium	ND	5.0	"							
Cobalt	ND	0.50	"							
Copper	ND	4.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	5.0	"							
Selenium	ND	10	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	5.0	"							
Blank (7I11035-BLK1)				Prepared: 09/11/07 Analyzed: 09/19/07						
Silver	ND	0.50	"							
Laboratory Control Sample (7I11035-BS1)				Prepared: 09/11/07 Analyzed: 09/14/07						
Antimony	48.4	5.0	mg/kg	50.0		97	80-115			
Arsenic	49.2	5.0	"	50.0		98	80-115			
Barium	47.4	5.0	"	50.0		95	85-120			
Beryllium	48.4	0.10	"	50.0		97	85-120			
Cadmium	47.8	0.50	"	50.0		96	80-115			
Chromium	48.8	5.0	"	50.0		98	80-115			
Cobalt	48.7	0.50	"	50.0		97	80-115			
Copper	47.9	4.0	"	50.0		96	85-115			
Lead	49.5	5.0	"	50.0		99	80-115			
Molybdenum	48.6	1.0	"	50.0		97	80-115			
Nickel	48.1	5.0	"	50.0		96	80-115			
Selenium	48.6	10	"	50.0		97	80-115			
Thallium	48.7	5.0	"	50.0		97	80-115			
Vanadium	48.6	5.0	"	50.0		97	80-115			
Zinc	48.2	5.0	"	50.0		96	80-115			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I11035 - EPA 3050B / EPA 6010B										
Laboratory Control Sample (7I11035-BS1)				Prepared: 09/11/07 Analyzed: 09/19/07						
Silver	45.4	0.50	mg/kg	50.0		91	80-115			
Matrix Spike (7I11035-MS1)	Source: MQI0128-01			Prepared: 09/11/07 Analyzed: 09/17/07						
Antimony	26.5	25	mg/kg	50.0	1.25	51	80-115			M8
Barium	137	25	"	50.0	93.2	87	85-120			
Beryllium	49.7	0.50	"	50.0	3.80	92	85-120			
Cadmium	45.6	2.5	"	50.0	ND	91	80-115			
Chromium	102	25	"	50.0	55.7	92	80-115			
Cobalt	50.3	2.5	"	50.0	4.75	91	80-115			
Copper	1380	20	"	50.0	1420	0	85-115			M8
Lead	60.8	25	"	50.0	11.1	99	80-115			
Molybdenum	44.4	5.0	"	50.0	ND	89	80-115			
Nickel	237	25	"	50.0	156	160	80-115			M7
Selenium	41.9	50	"	50.0	ND	84	80-115			
Vanadium	58.2	25	"	50.0	12.4	92	80-115			
Zinc	397	25	"	50.0	404	0	80-115			M8
Matrix Spike (7I11035-MS1)	Source: MQI0128-01			Prepared: 09/11/07 Analyzed: 09/18/07						
Arsenic	50.2	25	"	50.0	9.05	82	80-115			
Silver	47.0	5.0	"	50.0	ND	94	80-115			
Thallium	38.7	25	"	50.0	ND	77	80-115			M8
Matrix Spike Dup (7I11035-MSD1)	Source: MQI0128-01			Prepared: 09/11/07 Analyzed: 09/17/07						
Antimony	22.2	25	mg/kg	50.0	1.25	42	80-115	18	40	M8
Barium	137	25	"	50.0	93.2	88	85-120	0.5	30	
Beryllium	50.3	0.50	"	50.0	3.80	93	85-120	1	25	
Cadmium	46.2	2.5	"	50.0	ND	92	80-115	1	20	
Chromium	115	25	"	50.0	55.7	119	80-115	12	30	M7
Cobalt	51.6	2.5	"	50.0	4.75	94	80-115	3	25	
Copper	1940	20	"	50.0	1420	1030	85-115	34	35	M7
Lead	59.6	25	"	50.0	11.1	97	80-115	2	35	
Molybdenum	42.5	5.0	"	50.0	ND	85	80-115	4	20	
Nickel	617	25	"	50.0	156	921	80-115	89	35	M7, R2
Selenium	40.4	50	"	50.0	ND	81	80-115	4	30	
Vanadium	58.4	25	"	50.0	12.4	92	80-115	0.3	25	
Zinc	579	25	"	50.0	404	350	80-115	37	35	M7, R2

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I11035 - EPA 3050B / EPA 6010B										
Matrix Spike Dup (7I11035-MSD1)	**Source: MQI0128-01**			Prepared: 09/11/07 Analyzed: 09/18/07						
Arsenic	47.1	25	mg/kg	50.0	9.05	76	80-115	6	25	M8
Silver	46.4	5.0	"	50.0	ND	93	80-115	1	30	
Thallium	38.0	25	"	50.0	ND	76	80-115	2	20	M8
Batch 7I20021 - EPA 7471A / EPA 7471A										
Blank (7I20021-BLK1)				Prepared & Analyzed: 09/20/07						
Mercury	ND	0.020	mg/kg							
Blank (7I20021-BLK2)				Prepared & Analyzed: 09/20/07						
Mercury	ND	0.020	mg/kg							
Laboratory Control Sample (7I20021-BS1)				Prepared & Analyzed: 09/20/07						
Mercury	0.621	0.020	mg/kg	0.667		93	80-125			
Laboratory Control Sample (7I20021-BS2)				Prepared & Analyzed: 09/20/07						
Mercury	0.621	0.020	mg/kg	0.667		93	80-125			
Matrix Spike (7I20021-MS1)	**Source: MQI0456-01**			Prepared & Analyzed: 09/20/07						
Mercury	0.597	0.020	mg/kg	0.667	0.0117	88	80-125			
Matrix Spike Dup (7I20021-MSD1)	**Source: MQI0456-01**			Prepared & Analyzed: 09/20/07						
Mercury	0.637	0.020	mg/kg	0.667	0.0117	94	80-125	7	20	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I14029 - Title 22-STLC / EPA 6010B										
Blank (7I14029-BLK1)				Prepared: 09/14/07 Analyzed: 09/17/07						
Antimony	ND	0.20	mg/l							
Arsenic	ND	0.20	"							
Barium	ND	0.20	"							
Beryllium	ND	0.020	"							
Chromium	ND	0.020	"							
Cobalt	ND	0.080	"							
Copper	ND	0.020	"							
Lead	ND	0.20	"							
Molybdenum	ND	0.080	"							
Nickel	ND	0.080	"							
Selenium	ND	0.20	"							
Thallium	ND	0.20	"							
Vanadium	ND	0.080	"							
Zinc	ND	0.020	"							
Blank (7I14029-BLK1)				Prepared: 09/14/07 Analyzed: 09/20/07						
Cadmium	ND	0.020	"							
Silver	ND	0.040	"							
Laboratory Control Sample (7I14029-BS1)				Prepared: 09/14/07 Analyzed: 09/17/07						
Antimony	1.91	0.20	mg/l	2.00		96	80-115			
Arsenic	2.07	0.20	"	2.00		104	80-115			
Barium	1.88	0.20	"	2.00		94	85-120			
Beryllium	1.84	0.020	"	2.00		92	85-120			
Chromium	1.90	0.020	"	2.00		95	80-115			
Cobalt	1.87	0.080	"	2.00		93	80-115			
Copper	1.89	0.020	"	2.00		95	85-115			
Lead	1.89	0.20	"	2.00		94	80-115			
Molybdenum	1.94	0.080	"	2.00		97	80-115			
Nickel	1.87	0.080	"	2.00		93	80-115			
Selenium	2.28	0.20	"	2.00		114	80-115			
Thallium	1.92	0.20	"	2.00		96	80-115			
Vanadium	1.91	0.080	"	2.00		95	80-115			
Zinc	1.90	0.020	"	2.00		95	80-115			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I14029 - Title 22-STLC / EPA 6010B										
Laboratory Control Sample (7I14029-BS1)				Prepared: 09/14/07 Analyzed: 09/20/07						
Cadmium	1.97	0.020	mg/l	2.00		98	80-115			
Silver	1.86	0.040	"	2.00		93	80-115			
Matrix Spike (7I14029-MS1)	**Source: MQI0143-01**			Prepared: 09/14/07 Analyzed: 09/17/07						
Antimony	2.17	0.20	mg/l	2.00	0.149	101	80-115			
Arsenic	2.54	0.20	"	2.00	0.454	104	80-115			
Barium	17.2	0.20	"	2.00	15.0	110	85-120			
Beryllium	1.92	0.020	"	2.00	0.0164	95	85-120			
Chromium	3.78	0.020	"	2.00	1.89	94	80-115			
Cobalt	2.07	0.080	"	2.00	0.237	92	80-115			
Copper	5.47	0.020	"	2.00	3.30	108	85-115			
Lead	3.17	0.20	"	2.00	1.22	97	80-115			
Molybdenum	2.38	0.080	"	2.00	0.472	95	80-115			
Nickel	3.67	0.080	"	2.00	1.83	92	80-115			
Selenium	2.15	0.20	"	2.00	ND	108	80-115			
Thallium	ND	0.20	"	2.00	ND		80-115			M8
Vanadium	2.79	0.080	"	2.00	0.842	97	80-115			
Zinc	66.2	0.020	"	2.00	62.1	206	80-115			M7
Matrix Spike (7I14029-MS1)	**Source: MQI0143-01**			Prepared: 09/14/07 Analyzed: 09/20/07						
Cadmium	2.07	0.020	"	2.00	0.153	96	80-115			
Silver	1.81	0.040	"	2.00	ND	91	80-115			
Matrix Spike Dup (7I14029-MSD1)	**Source: MQI0143-01**			Prepared: 09/14/07 Analyzed: 09/17/07						
Antimony	1.88	0.20	mg/l	2.00	0.149	87	80-115	14	40	
Arsenic	2.17	0.20	"	2.00	0.454	86	80-115	16	25	
Barium	15.0	0.20	"	2.00	15.0	0	85-120	14	30	M8
Beryllium	1.65	0.020	"	2.00	0.0164	82	85-120	15	25	M8
Chromium	3.29	0.020	"	2.00	1.89	70	80-115	14	30	M8
Cobalt	1.79	0.080	"	2.00	0.237	78	80-115	14	25	M8
Copper	4.75	0.020	"	2.00	3.30	72	85-115	14	35	M8
Lead	2.74	0.20	"	2.00	1.22	76	80-115	15	35	M8
Molybdenum	2.06	0.080	"	2.00	0.472	79	80-115	14	20	M8
Nickel	3.17	0.080	"	2.00	1.83	67	80-115	15	35	M8
Selenium	1.91	0.20	"	2.00	ND	96	80-115	12	30	
Thallium	ND	0.20	"	2.00	ND		80-115		20	M8
Vanadium	2.42	0.080	"	2.00	0.842	79	80-115	14	25	M8
Zinc	57.6	0.020	"	2.00	62.1	0	80-115	14	35	M8

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I14029 - Title 22-STLC / EPA 6010B										
Matrix Spike Dup (7I14029-MSD1)	**Source: MQI0143-01**			Prepared: 09/14/07 Analyzed: 09/20/07						
Cadmium	2.03	0.020	mg/l	2.00	0.153	94	80-115	2	25	
Silver	1.84	0.040	"	2.00	ND	92	80-115	2	25	
Batch 7I17011 - EPA 7470A / STLC / EPA 7470A										
Blank (7I17011-BLK1)				Prepared & Analyzed: 09/17/07						
Mercury	ND	5.0	ug/l							
Blank (7I17011-BLK2)				Prepared & Analyzed: 09/17/07						
Mercury	ND	5.0	ug/l							
Laboratory Control Sample (7I17011-BS1)				Prepared & Analyzed: 09/17/07						
Mercury	189	5.0	ug/l	200		95	70-130			
Matrix Spike (7I17011-MS1)	**Source: MQI0106-01**			Prepared & Analyzed: 09/17/07						
Mercury	185	5.0	ug/l	200	ND	93	70-130			
Matrix Spike Dup (7I17011-MSD1)	**Source: MQI0106-01**			Prepared & Analyzed: 09/17/07						
Mercury	178	5.0	ug/l	200	ND	89	70-130	4	25	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Blank (7I12014-BLK1)				Prepared & Analyzed: 09/12/07						
Benzene	ND	5.0	ug/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Blank (7I12014-BLK1)				Prepared & Analyzed: 09/12/07						
Methylene chloride	ND	5.0	ug/kg							
Naphthalene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Xylenes (total)	ND	5.0	"							
Surrogate: Dibromofluoromethane	*4.96*		"	*5.00*		*99*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*5.54*		"	*5.00*		*111*	*65-135*			
Surrogate: Toluene-d8	*4.78*		"	*5.00*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*4.50*		"	*5.00*		*90*	*60-120*			
Laboratory Control Sample (7I12014-BS1)				Prepared & Analyzed: 09/12/07						
Benzene	20.7	5.0	ug/kg	20.0		103	70-140			
Bromobenzene	21.4	5.0	"	20.0		107	70-145			
Bromochloromethane	22.4	5.0	"	20.0		112	70-145			
Bromodichloromethane	22.4	5.0	"	20.0		112	75-135			
Bromoform	21.5	5.0	"	20.0		107	50-130			
Bromomethane	18.1	5.0	"	20.0		90	10-150			
sec-Butylbenzene	21.8	5.0	"	20.0		109	70-150			
tert-Butylbenzene	22.5	5.0	"	20.0		112	70-150			
n-Butylbenzene	22.6	5.0	"	20.0		113	70-145			
Carbon tetrachloride	20.9	5.0	"	20.0		105	60-135			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7I12014-BS1)				Prepared & Analyzed: 09/12/07						
Chlorobenzene	21.7	5.0	ug/kg	20.0		108	75-140			
Chloroethane	16.8	5.0	"	20.0		84	10-150			
Chloroform	19.7	5.0	"	20.0		98	75-125			
Chloromethane	18.5	5.0	"	20.0		92	25-150			
2-Chlorotoluene	21.6	5.0	"	20.0		108	70-150			
4-Chlorotoluene	22.2	5.0	"	20.0		111	70-145			
1,2-Dibromo-3-chloropropane	20.4	5.0	"	20.0		102	50-135			
Dibromochloromethane	22.8	5.0	"	20.0		114	65-135			
1,2-Dibromoethane (EDB)	23.0	5.0	"	20.0		115	70-145			
Dibromomethane	22.2	5.0	"	20.0		111	75-140			
1,2-Dichlorobenzene	22.2	5.0	"	20.0		111	70-145			
1,3-Dichlorobenzene	21.5	5.0	"	20.0		108	75-140			
1,4-Dichlorobenzene	20.1	5.0	"	20.0		100	70-140			
Dichlorodifluoromethane	17.6	5.0	"	20.0		88	10-125			
1,1-Dichloroethane	20.3	5.0	"	20.0		102	75-130			
1,2-Dichloroethane	21.0	5.0	"	20.0		105	75-130			
1,1-Dichloroethene	22.4	5.0	"	20.0		112	70-140			
cis-1,2-Dichloroethene	21.4	5.0	"	20.0		107	75-140			
trans-1,2-Dichloroethene	20.6	5.0	"	20.0		103	70-135			
1,2-Dichloropropane	20.8	5.0	"	20.0		104	75-135			
1,3-Dichloropropane	23.3	5.0	"	20.0		116	80-140			
2,2-Dichloropropane	17.0	5.0	"	20.0		85	55-135			
1,1-Dichloropropene	21.4	5.0	"	20.0		107	75-130			
Ethylbenzene	21.9	5.0	"	20.0		110	75-140			
Hexachlorobutadiene	19.9	5.0	"	20.0		99	65-150			
Isopropylbenzene	21.0	5.0	"	20.0		105	40-150			
Methylene chloride	24.5	5.0	"	20.0		122	70-150			
Naphthalene	23.4	5.0	"	20.0		117	55-145			
p-Isopropyltoluene	21.8	5.0	"	20.0		109	70-150			
n-Propylbenzene	20.7	5.0	"	20.0		103	70-140			
Styrene	24.2	5.0	"	20.0		121	65-150			
1,1,1,2-Tetrachloroethane	22.8	5.0	"	20.0		114	70-140			
1,1,2,2-Tetrachloroethane	22.0	5.0	"	20.0		110	55-150			
Tetrachloroethene	20.4	5.0	"	20.0		102	70-140			
Toluene	22.3	5.0	"	20.0		112	75-135			
1,2,3-Trichlorobenzene	23.6	5.0	"	20.0		118	65-150			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7I12014-BS1)				Prepared & Analyzed: 09/12/07						
1,2,4-Trichlorobenzene	22.2	5.0	ug/kg	20.0		111	60-140			
1,1,1-Trichloroethane	19.6	5.0	"	20.0		98	70-130			
1,1,2-Trichloroethane	23.8	5.0	"	20.0		119	70-150			
Trichloroethene	22.0	5.0	"	20.0		110	75-145			
Trichlorofluoromethane	18.5	5.0	"	20.0		92	45-140			
1,2,3-Trichloropropane	21.7	5.0	"	20.0		109	65-145			
1,2,4-Trimethylbenzene	21.3	5.0	"	20.0		106	70-150			
1,3,5-Trimethylbenzene	21.9	5.0	"	20.0		110	70-150			
Vinyl chloride	20.4	5.0	"	20.0		102	10-150			
Xylenes (total)	68.8	5.0	"	60.0		115	75-145			
Surrogate: Dibromofluoromethane	*5.10*		"	*5.00*		*102*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*4.94*		"	*5.00*		*99*	*65-135*			
Surrogate: Toluene-d8	*4.84*		"	*5.00*		*97*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*4.98*		"	*5.00*		*100*	*60-120*			
Matrix Spike (7I12014-MS1)	**Source: MQI0138-11**			Prepared & Analyzed: 09/12/07						
Benzene	110	25	ug/kg	100	ND	110	70-140			
Bromobenzene	101	25	"	100	ND	101	70-145			
Bromochloromethane	109	25	"	100	ND	109	70-145			
Bromodichloromethane	106	25	"	100	ND	106	75-135			
Bromoform	96.0	25	"	100	ND	96	50-130			
Bromomethane	82.2	25	"	100	ND	82	10-150			
sec-Butylbenzene	114	25	"	100	ND	114	70-150			
tert-Butylbenzene	108	25	"	100	ND	108	70-150			
n-Butylbenzene	116	25	"	100	ND	116	70-145			
Carbon tetrachloride	84.6	25	"	100	ND	85	60-135			
Chlorobenzene	114	25	"	100	ND	114	75-140			
Chloroethane	86.1	25	"	100	ND	86	10-150			
Chloroform	91.9	25	"	100	ND	92	75-125			
Chloromethane	60.8	25	"	100	ND	61	25-150			
2-Chlorotoluene	106	25	"	100	ND	106	70-150			
4-Chlorotoluene	109	25	"	100	ND	109	70-145			
1,2-Dibromo-3-chloropropane	91.8	25	"	100	ND	92	50-135			
Dibromochloromethane	104	25	"	100	ND	104	65-135			
1,2-Dibromoethane (EDB)	118	25	"	100	ND	118	70-145			
Dibromomethane	112	25	"	100	ND	112	75-140			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7I12014-MS1)	**Source: MQI0138-11**			Prepared & Analyzed: 09/12/07						
1,2-Dichlorobenzene	112	25	ug/kg	100	ND	112	70-145			
1,3-Dichlorobenzene	113	25	"	100	ND	113	75-140			
1,4-Dichlorobenzene	103	25	"	100	ND	103	70-140			
Dichlorodifluoromethane	80.3	25	"	100	ND	80	10-125			
1,1-Dichloroethane	102	25	"	100	ND	102	75-130			
1,2-Dichloroethane	89.1	25	"	100	ND	89	75-130			
1,1-Dichloroethene	108	25	"	100	ND	108	70-140			
cis-1,2-Dichloroethene	114	25	"	100	6.90	107	75-140			
trans-1,2-Dichloroethene	104	25	"	100	ND	104	70-135			
1,2-Dichloropropane	115	25	"	100	ND	115	75-135			
1,3-Dichloropropane	122	25	"	100	ND	122	80-140			
2,2-Dichloropropane	70.9	25	"	100	ND	71	55-135			
1,1-Dichloropropene	96.6	25	"	100	ND	97	75-130			
Ethylbenzene	110	25	"	100	ND	110	75-140			
Hexachlorobutadiene	94.8	25	"	100	ND	95	65-150			
Isopropylbenzene	104	25	"	100	ND	104	40-150			
Methylene chloride	157	25	"	100	8.40	149	70-150			
Naphthalene	96.7	25	"	100	ND	97	55-145			
p-Isopropyltoluene	111	25	"	100	ND	111	70-150			
n-Propylbenzene	107	25	"	100	ND	107	70-140			
Styrene	125	25	"	100	ND	125	65-150			
1,1,1,2-Tetrachloroethane	107	25	"	100	ND	107	70-140			
1,1,2,2-Tetrachloroethane	119	25	"	100	ND	119	55-150			
Tetrachloroethene	535	25	"	100	688	0	70-140			MHA
Toluene	111	25	"	100	ND	111	75-135			
1,2,3-Trichlorobenzene	101	25	"	100	ND	101	65-150			
1,2,4-Trichlorobenzene	103	25	"	100	ND	103	60-140			
1,1,1-Trichloroethane	80.9	25	"	100	ND	81	70-130			
1,1,2-Trichloroethane	126	25	"	100	ND	126	70-150			
Trichloroethene	359	25	"	100	451	0	75-145			MHA
Trichlorofluoromethane	71.0	25	"	100	ND	71	45-140			
1,2,3-Trichloropropane	112	25	"	100	ND	112	65-145			
1,2,4-Trimethylbenzene	104	25	"	100	ND	104	70-150			
1,3,5-Trimethylbenzene	111	25	"	100	ND	111	70-150			
Vinyl chloride	67.5	25	"	100	ND	68	10-150			
Xylenes (total)	359	25	"	300	ND	120	75-145			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7I12014-MS1)	**Source: MQI0138-11**			Prepared & Analyzed: 09/12/07						
Surrogate: Dibromofluoromethane	*4.12*		*ug/kg*	*5.00*		*82*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*3.60*		*"*	*5.00*		*72*	*65-135*			
Surrogate: Toluene-d8	*4.60*		*"*	*5.00*		*92*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*4.30*		*"*	*5.00*		*86*	*60-120*			
Matrix Spike Dup (7I12014-MSD1)	**Source: MQI0138-11**			Prepared & Analyzed: 09/12/07						
Benzene	103	25	ug/kg	100	ND	103	70-140	6	25	
Bromobenzene	105	25	"	100	ND	105	70-145	3	35	
Bromochloromethane	94.7	25	"	100	ND	95	70-145	14	20	
Bromodichloromethane	100	25	"	100	ND	100	75-135	5	20	
Bromoform	82.8	25	"	100	ND	83	50-130	15	40	
Bromomethane	65.4	25	"	100	ND	65	10-150	23	50	
sec-Butylbenzene	104	25	"	100	ND	104	70-150	9	30	
tert-Butylbenzene	106	25	"	100	ND	106	70-150	2	35	
n-Butylbenzene	101	25	"	100	ND	101	70-145	14	25	
Carbon tetrachloride	76.5	25	"	100	ND	76	60-135	10	30	
Chlorobenzene	104	25	"	100	ND	104	75-140	9	30	
Chloroethane	71.8	25	"	100	ND	72	10-150	18	40	
Chloroform	81.9	25	"	100	ND	82	75-125	12	20	
Chloromethane	59.3	25	"	100	ND	59	25-150	2	35	
2-Chlorotoluene	103	25	"	100	ND	103	70-150	3	30	
4-Chlorotoluene	104	25	"	100	ND	104	70-145	5	25	
1,2-Dibromo-3-chloropropane	81.7	25	"	100	ND	82	50-135	12	40	
Dibromochloromethane	93.9	25	"	100	ND	94	65-135	11	35	
1,2-Dibromoethane (EDB)	102	25	"	100	ND	102	70-145	15	30	
Dibromomethane	101	25	"	100	ND	101	75-140	10	20	
1,2-Dichlorobenzene	102	25	"	100	ND	102	70-145	10	35	
1,3-Dichlorobenzene	104	25	"	100	ND	104	75-140	9	30	
1,4-Dichlorobenzene	98.4	25	"	100	ND	98	70-140	4	30	
Dichlorodifluoromethane	81.7	25	"	100	ND	82	10-125	2	40	
1,1-Dichloroethane	92.0	25	"	100	ND	92	75-130	10	25	
1,2-Dichloroethane	78.4	25	"	100	ND	78	75-130	13	25	
1,1-Dichloroethene	98.0	25	"	100	ND	98	70-140	10	30	
cis-1,2-Dichloroethene	107	25	"	100	6.90	100	75-140	6	20	
trans-1,2-Dichloroethene	94.6	25	"	100	ND	95	70-135	9	25	
1,2-Dichloropropane	105	25	"	100	ND	105	75-135	9	20	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I12014 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (7I12014-MSD1)	**Source: MQI0138-11**			Prepared & Analyzed: 09/12/07						
1,3-Dichloropropane	106	25	ug/kg	100	ND	106	80-140	14	20	
2,2-Dichloropropane	66.4	25	"	100	ND	66	55-135	7	35	
1,1-Dichloropropene	90.8	25	"	100	ND	91	75-130	6	25	
Ethylbenzene	101	25	"	100	ND	101	75-140	9	30	
Hexachlorobutadiene	71.9	25	"	100	ND	72	65-150	27	30	
Isopropylbenzene	90.9	25	"	100	ND	91	40-150	13	30	
Methylene chloride	142	25	"	100	8.40	133	70-150	10	20	
Naphthalene	88.1	25	"	100	ND	88	55-145	9	40	
p-Isopropyltoluene	103	25	"	100	ND	103	70-150	8	30	
n-Propylbenzene	101	25	"	100	ND	101	70-140	5	30	
Styrene	110	25	"	100	ND	110	65-150	13	30	
1,1,1,2-Tetrachloroethane	96.5	25	"	100	ND	96	70-140	11	25	
1,1,2,2-Tetrachloroethane	118	25	"	100	ND	118	55-150	1	30	
Tetrachloroethene	1000	25	"	100	688	313	70-140	61	25	MHA
Toluene	103	25	"	100	ND	103	75-135	8	25	
1,2,3-Trichlorobenzene	84.5	25	"	100	ND	84	65-150	18	25	
1,2,4-Trichlorobenzene	86.3	25	"	100	ND	86	60-140	17	25	
1,1,1-Trichloroethane	74.0	25	"	100	ND	74	70-130	9	25	
1,1,2-Trichloroethane	112	25	"	100	ND	112	70-150	11	25	
Trichloroethene	666	25	"	100	451	216	75-145	60	30	MHA
Trichlorofluoromethane	66.4	25	"	100	ND	66	45-140	7	40	
1,2,3-Trichloropropane	113	25	"	100	ND	113	65-145	0.9	35	
1,2,4-Trimethylbenzene	98.6	25	"	100	ND	99	70-150	5	30	
1,3,5-Trimethylbenzene	105	25	"	100	ND	105	70-150	5	30	
Vinyl chloride	68.6	25	"	100	ND	69	10-150	2	40	
Xylenes (total)	313	25	"	300	ND	104	75-145	14	30	
Surrogate: Dibromofluoromethane	*4.16*		"	*5.00*		*83*	*70-120*			
Surrogate: 1,2-Dichloroethane-d4	*3.82*		"	*5.00*		*76*	*65-135*			
Surrogate: Toluene-d8	*4.68*		"	*5.00*		*94*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*4.78*		"	*5.00*		*96*	*60-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Blank (7I19009-BLK1)	Prepared: 09/19/07 Analyzed: 09/21/07									
Acenaphthene	ND	0.25	mg/kg							
Acenaphthylene	ND	0.25	"							
Anthracene	ND	0.25	"							
Benzo (a) anthracene	ND	0.25	"							
Benzo (a) pyrene	ND	0.25	"							
Benzo (b) fluoranthene	ND	0.25	"							
Benzo (g,h,i) perylene	ND	0.25	"							
Benzo (k) fluoranthene	ND	0.25	"							
Benzoic acid	ND	0.50	"							
Benzyl alcohol	ND	0.25	"							
Bis(2-chloroethoxy)methane	ND	0.25	"							
Bis(2-chloroethyl)ether	ND	0.25	"							
Bis(2-chloroisopropyl)ether	ND	0.25	"							
Bis(2-ethylhexyl)phthalate	ND	0.50	"							
4-Bromophenyl phenyl ether	ND	0.25	"							
Butyl benzyl phthalate	ND	0.25	"							
4-Chloroaniline	ND	0.50	"							
2-Chloronaphthalene	ND	0.25	"							
4-Chloro-3-methylphenol	ND	0.25	"							
2-Chlorophenol	ND	0.25	"							
4-Chlorophenyl phenyl ether	ND	0.25	"							
Chrysene	ND	0.25	"							
Dibenz (a,h) anthracene	ND	0.25	"							
Dibenzofuran	ND	0.25	"							
Di-n-butyl phthalate	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.25	"							
1,3-Dichlorobenzene	ND	0.25	"							
1,4-Dichlorobenzene	ND	0.25	"							
3,3'-Dichlorobenzidine	ND	0.50	"							
2,4-Dichlorophenol	ND	0.25	"							
Diethyl phthalate	ND	0.25	"							
2,4-Dimethylphenol	ND	0.50	"							
Dimethyl phthalate	ND	0.25	"							
4,6-Dinitro-2-methylphenol	ND	0.50	"							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.25	"							

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Blank (7I19009-BLK1)				Prepared: 09/19/07 Analyzed: 09/21/07						
2,6-Dinitrotoluene	ND	0.25	mg/kg							
Di-n-octyl phthalate	ND	0.50	"							
Fluoranthene	ND	0.25	"							
Fluorene	ND	0.25	"							
Hexachlorobenzene	ND	0.25	"							
Hexachlorobutadiene	ND	0.25	"							
Hexachlorocyclopentadiene	ND	0.50	"							
Hexachloroethane	ND	0.25	"							
Indeno (1,2,3-cd) pyrene	ND	0.25	"							
Isophorone	ND	0.25	"							
2-Methylnaphthalene	ND	0.25	"							
2-Methylphenol	ND	0.25	"							
3 & 4-Methylphenol	ND	0.25	"							
Naphthalene	ND	0.25	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.25	"							
2-Nitrophenol	ND	0.25	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodi-n-propylamine	ND	0.25	"							
N-Nitrosodiphenylamine	ND	0.25	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.25	"							
Phenol	ND	0.25	"							
Pyrene	ND	0.25	"							
1,2,4-Trichlorobenzene	ND	0.25	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.25	"							
Surrogate: 2-Fluorophenol	*2.25*		"	*3.33*		*67*	*10-125*			
Surrogate: Phenol-d6	*2.41*		"	*3.33*		*72*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.37*		"	*1.67*		*82*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*1.39*		"	*1.67*		*83*	*50-120*			
Surrogate: 2,4,6-Tribromophenol	*2.65*		"	*3.33*		*79*	*45-120*			
Surrogate: p-Terphenyl-d14	*1.50*		"	*1.67*		*90*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (7I19009-BS1)				Prepared: 09/19/07 Analyzed: 09/21/07						
Acenaphthene	2.78	0.25	mg/kg	3.33		84	65-115			
Acenaphthylene	3.05	0.25	"	3.33		91	65-120			
Anthracene	2.88	0.25	"	3.33		86	65-115			
Benzo (a) anthracene	3.12	0.25	"	3.33		94	65-115			
Benzo (a) pyrene	2.97	0.25	"	3.33		89	65-115			
Benzo (b) fluoranthene	3.00	0.25	"	3.33		90	65-115			
Benzo (g,h,i) perylene	2.59	0.25	"	3.33		78	60-125			
Benzo (k) fluoranthene	2.91	0.25	"	3.33		87	65-115			
Benzyl alcohol	2.79	0.25	"	3.33		84	60-115			
Bis(2-chloroethoxy)methane	2.92	0.25	"	3.33		88	65-115			
Bis(2-chloroethyl)ether	2.88	0.25	"	3.33		86	60-115			
Bis(2-chloroisopropyl)ether	2.53	0.25	"	3.33		76	65-115			
Bis(2-ethylhexyl)phthalate	3.46	0.50	"	3.33		104	65-115			
4-Bromophenyl phenyl ether	2.82	0.25	"	3.33		85	65-115			
Butyl benzyl phthalate	3.39	0.25	"	3.33		102	65-115			
4-Chloroaniline	1.74	0.50	"	3.33		52	30-115			
2-Chloronaphthalene	2.80	0.25	"	3.33		84	65-115			
4-Chloro-3-methylphenol	2.85	0.25	"	3.33		85	65-115			
2-Chlorophenol	2.74	0.25	"	3.33		82	65-115			
4-Chlorophenyl phenyl ether	2.77	0.25	"	3.33		83	65-115			
Chrysene	3.07	0.25	"	3.33		92	65-115			
Dibenz (a,h) anthracene	2.31	0.25	"	3.33		69	55-125			
Dibenzofuran	2.67	0.25	"	3.33		80	65-115			
Di-n-butyl phthalate	3.11	0.50	"	3.33		93	70-115			
1,2-Dichlorobenzene	2.61	0.25	"	3.33		78	65-115			
1,3-Dichlorobenzene	2.60	0.25	"	3.33		78	65-115			
1,4-Dichlorobenzene	2.66	0.25	"	3.33		80	65-115			
2,4-Dichlorophenol	2.82	0.25	"	3.33		85	65-115			
Diethyl phthalate	2.96	0.25	"	3.33		89	65-115			
2,4-Dimethylphenol	1.74	0.50	"	3.33		52	50-115			
Dimethyl phthalate	2.75	0.25	"	3.33		83	60-115			
4,6-Dinitro-2-methylphenol	3.14	0.50	"	3.33		94	50-115			
2,4-Dinitrophenol	3.70	0.50	"	3.33		111	15-140			
2,4-Dinitrotoluene	2.80	0.25	"	3.33		84	60-115			
2,6-Dinitrotoluene	2.91	0.25	"	3.33		87	65-115			
Di-n-octyl phthalate	3.32	0.50	"	3.33		100	60-130			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (7I19009-BS1)				Prepared: 09/19/07 Analyzed: 09/21/07						
Fluoranthene	2.85	0.25	mg/kg	3.33		85	65-120			
Fluorene	2.84	0.25	"	3.33		85	65-115			
Hexachlorobenzene	2.79	0.25	"	3.33		84	45-115			
Hexachlorobutadiene	2.77	0.25	"	3.33		83	55-115			
Hexachlorocyclopentadiene	3.53	0.50	"	3.33		106	50-120			
Hexachloroethane	2.76	0.25	"	3.33		83	65-115			
Indeno (1,2,3-cd) pyrene	2.59	0.25	"	3.33		78	65-115			
Isophorone	2.38	0.25	"	3.33		71	60-115			
2-Methylnaphthalene	2.51	0.25	"	3.33		75	60-115			
2-Methylphenol	2.69	0.25	"	3.33		81	70-115			
3 & 4-Methylphenol	2.43	0.25	"	3.33		73	65-115			
Naphthalene	2.77	0.25	"	3.33		83	65-115			
2-Nitroaniline	2.69	0.50	"	3.33		81	65-115			
3-Nitroaniline	2.00	0.50	"	3.33		60	40-115			
4-Nitroaniline	2.28	0.50	"	3.33		69	50-115			
Nitrobenzene	2.80	0.25	"	3.33		84	65-115			
2-Nitrophenol	2.96	0.25	"	3.33		89	65-115			
4-Nitrophenol	2.95	0.50	"	3.33		89	45-120			
N-Nitrosodi-n-propylamine	2.67	0.25	"	3.33		80	65-115			
N-Nitrosodiphenylamine	3.40	0.25	"	3.33		102	75-135			
Pentachlorophenol	2.24	0.50	"	3.33		67	40-115			
Phenanthrene	2.92	0.25	"	3.33		88	65-115			
Phenol	2.61	0.25	"	3.33		78	65-115			
Pyrene	3.16	0.25	"	3.33		95	65-115			
1,2,4-Trichlorobenzene	2.70	0.25	"	3.33		81	65-115			
2,4,5-Trichlorophenol	2.80	0.50	"	3.33		84	65-115			
2,4,6-Trichlorophenol	2.82	0.25	"	3.33		85	65-115			
Surrogate: 2-Fluorophenol	*2.66*		"	*3.33*		*80*	*10-125*			
Surrogate: Phenol-d6	*2.68*		"	*3.33*		*80*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.43*		"	*1.67*		*86*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*1.42*		"	*1.67*		*85*	*50-120*			
Surrogate: 2,4,6-Tribromophenol	*2.95*		"	*3.33*		*88*	*45-120*			
Surrogate: p-Terphenyl-d14	*1.52*		"	*1.67*		*91*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (7I19009-MS1)	**Source: MQI0255-01**			Prepared: 09/19/07 Analyzed: 09/21/07						
Acenaphthene	2.13	5.0	mg/kg	3.33	ND	64	65-115			M8
Acenaphthylene	2.34	5.0	"	3.33	ND	70	65-120			
Anthracene	ND	5.0	"	3.33	ND		65-115			M8
Benzo (a) anthracene	2.13	5.0	"	3.33	ND	64	65-115			M8
Benzo (a) pyrene	ND	5.0	"	3.33	ND		65-115			M8
Benzo (b) fluoranthene	ND	5.0	"	3.33	ND		65-115			M8
Benzo (g,h,i) perylene	2.23	5.0	"	3.33	ND	67	60-125			
Benzo (k) fluoranthene	1.90	5.0	"	3.33	ND	57	65-115			M8
Benzyl alcohol	1.87	5.0	"	3.33	ND	56	60-115			M8
Bis(2-chloroethoxy)methane	2.28	5.0	"	3.33	ND	68	65-115			
Bis(2-chloroethyl)ether	2.21	5.0	"	3.33	ND	66	60-115			
Bis(2-chloroisopropyl)ether	2.41	5.0	"	3.33	ND	72	65-115			
Bis(2-ethylhexyl)phthalate	2.31	10	"	3.33	ND	69	65-115			
4-Bromophenyl phenyl ether	1.85	5.0	"	3.33	ND	55	65-115			M8
Butyl benzyl phthalate	2.22	5.0	"	3.33	ND	67	65-115			
4-Chloroaniline	1.40	10	"	3.33	ND	42	30-115			
2-Chloronaphthalene	2.01	5.0	"	3.33	ND	60	65-115			M8
4-Chloro-3-methylphenol	1.95	5.0	"	3.33	ND	58	65-115			M8
2-Chlorophenol	2.03	5.0	"	3.33	ND	61	65-115			M8
4-Chlorophenyl phenyl ether	2.05	5.0	"	3.33	ND	61	65-115			M8
Chrysene	2.20	5.0	"	3.33	ND	66	65-115			
Dibenz (a,h) anthracene	1.63	5.0	"	3.33	ND	49	55-125			M8
Dibenzofuran	2.06	5.0	"	3.33	ND	62	65-115			M8
Di-n-butyl phthalate	2.05	10	"	3.33	ND	62	70-115			M8
1,2-Dichlorobenzene	ND	5.0	"	3.33	ND		65-115			M8
1,3-Dichlorobenzene	ND	5.0	"	3.33	ND		65-115			M8
1,4-Dichlorobenzene	2.07	5.0	"	3.33	ND	62	65-115			M8
2,4-Dichlorophenol	1.92	5.0	"	3.33	ND	58	65-115			M8
Diethyl phthalate	2.09	5.0	"	3.33	ND	63	65-115			M8
2,4-Dimethylphenol	ND	10	"	3.33	ND		50-115			M8
Dimethyl phthalate	2.05	5.0	"	3.33	ND	62	60-115			
4,6-Dinitro-2-methylphenol	7.97	10	"	3.33	ND	239	50-115			M7
2,4-Dinitrophenol	12.5	10	"	3.33	ND	376	15-140			M7
2,4-Dinitrotoluene	1.80	5.0	"	3.33	ND	54	60-115			M8
2,6-Dinitrotoluene	2.13	5.0	"	3.33	ND	64	65-115			M8
Di-n-octyl phthalate	1.93	10	"	3.33	ND	58	60-130			M8

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (7I19009-MS1)	**Source: MQI0255-01**			Prepared: 09/19/07 Analyzed: 09/21/07						
Fluoranthene	ND	5.0	mg/kg	3.33	ND		65-120			M8
Fluorene	2.19	5.0	"	3.33	ND	66	65-115			
Hexachlorobenzene	1.80	5.0	"	3.33	ND	54	45-115			
Hexachlorobutadiene	1.88	5.0	"	3.33	ND	56	55-115			
Hexachlorocyclopentadiene	1.54	10	"	3.33	ND	46	50-120			M8
Hexachloroethane	ND	5.0	"	3.33	ND		65-115			M8
Indeno (1,2,3-cd) pyrene	1.85	5.0	"	3.33	ND	55	65-115			M8
Isophorone	1.75	5.0	"	3.33	ND	53	60-115			M8
2-Methylnaphthalene	1.86	5.0	"	3.33	ND	56	60-115			M8
2-Methylphenol	2.21	5.0	"	3.33	ND	66	70-115			M8
3 & 4-Methylphenol	1.85	5.0	"	3.33	ND	55	65-115			M8
Naphthalene	2.20	5.0	"	3.33	ND	66	65-115			
2-Nitroaniline	1.95	10	"	3.33	ND	58	65-115			M8
3-Nitroaniline	1.68	10	"	3.33	ND	50	40-115			
4-Nitroaniline	1.58	10	"	3.33	ND	47	50-115			M8
Nitrobenzene	2.30	5.0	"	3.33	ND	69	65-115			
2-Nitrophenol	1.94	5.0	"	3.33	ND	58	65-115			M8
4-Nitrophenol	1.62	10	"	3.33	ND	49	45-120			
N-Nitrosodi-n-propylamine	2.13	5.0	"	3.33	ND	64	65-115			M8
N-Nitrosodiphenylamine	2.59	5.0	"	3.33	ND	78	75-135			
Pentachlorophenol	ND	10	"	3.33	ND		40-115			M8
Phenanthrene	2.25	5.0	"	3.33	ND	67	65-115			
Phenol	2.14	5.0	"	3.33	ND	64	65-115			M8
Pyrene	2.25	5.0	"	3.33	ND	67	65-115			
1,2,4-Trichlorobenzene	1.97	5.0	"	3.33	ND	59	65-115			M8
2,4,5-Trichlorophenol	1.82	10	"	3.33	ND	55	65-115			M8
2,4,6-Trichlorophenol	1.80	5.0	"	3.33	ND	54	65-115			M8
Surrogate: 2-Fluorophenol	*1.86*		"	*3.33*		*56*	*10-125*			
Surrogate: Phenol-d6	*2.11*		"	*3.33*		*63*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.05*		"	*1.67*		*63*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*1.07*		"	*1.67*		*64*	*50-120*			
Surrogate: 2,4,6-Tribromophenol	*1.63*		"	*3.33*		*49*	*45-120*			
Surrogate: p-Terphenyl-d14	*0.987*		"	*1.67*		*59*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (7I19009-MSD1)	**Source: MQI0255-01**			Prepared: 09/19/07	Analyzed: 09/21/07					
Acenaphthene	1.76	5.0	mg/kg	3.33	ND	53	65-115	19	35	M8
Acenaphthylene	1.99	5.0	"	3.33	ND	60	65-120	16	30	M8
Anthracene	ND	5.0	"	3.33	ND		65-115		30	M8, R4
Benzo (a) anthracene	1.78	5.0	"	3.33	ND	53	65-115	18	30	M8
Benzo (a) pyrene	ND	5.0	"	3.33	ND		65-115		25	M8, R4
Benzo (b) fluoranthene	ND	5.0	"	3.33	ND		65-115		25	M8, R4
Benzo (g,h,i) perylene	1.81	5.0	"	3.33	ND	54	60-125	20	35	M8
Benzo (k) fluoranthene	1.64	5.0	"	3.33	ND	49	65-115	15	25	M8
Benzyl alcohol	1.69	5.0	"	3.33	ND	51	60-115	10	40	M8
Bis(2-chloroethoxy)methane	ND	5.0	"	3.33	ND		65-115		30	M8, R4
Bis(2-chloroethyl)ether	1.98	5.0	"	3.33	ND	59	60-115	11	35	M8
Bis(2-chloroisopropyl)ether	ND	5.0	"	3.33	ND		65-115		30	M8, R4
Bis(2-ethylhexyl)phthalate	1.90	10	"	3.33	ND	57	65-115	20	30	M8
4-Bromophenyl phenyl ether	1.63	5.0	"	3.33	ND	49	65-115	13	40	M8
Butyl benzyl phthalate	1.78	5.0	"	3.33	ND	53	65-115	22	35	M8
4-Chloroaniline	1.25	10	"	3.33	ND	38	30-115	11	40	
2-Chloronaphthalene	1.77	5.0	"	3.33	ND	53	65-115	13	35	M8
4-Chloro-3-methylphenol	1.63	5.0	"	3.33	ND	49	65-115	18	40	M8
2-Chlorophenol	1.81	5.0	"	3.33	ND	54	65-115	11	35	M8
4-Chlorophenyl phenyl ether	1.74	5.0	"	3.33	ND	52	65-115	16	35	M8
Chrysene	1.81	5.0	"	3.33	ND	54	65-115	20	30	M8
Dibenz (a,h) anthracene	1.27	5.0	"	3.33	ND	38	55-125	25	35	M8
Dibenzofuran	1.77	5.0	"	3.33	ND	53	65-115	15	30	M8
Di-n-butyl phthalate	1.68	10	"	3.33	ND	50	70-115	20	35	M8
1,2-Dichlorobenzene	ND	5.0	"	3.33	ND		65-115		30	M8, R4
1,3-Dichlorobenzene	ND	5.0	"	3.33	ND		65-115		30	M8, R4
1,4-Dichlorobenzene	1.93	5.0	"	3.33	ND	58	65-115	7	30	M8
2,4-Dichlorophenol	1.60	5.0	"	3.33	ND	48	65-115	18	40	M8
Diethyl phthalate	ND	5.0	"	3.33	ND		65-115		35	M8, R4
2,4-Dimethylphenol	ND	10	"	3.33	ND		50-115		25	M8, R4
Dimethyl phthalate	1.76	5.0	"	3.33	ND	53	60-115	15	35	M8
4,6-Dinitro-2-methylphenol	7.64	10	"	3.33	ND	229	50-115	4	40	M7
2,4-Dinitrophenol	12.2	10	"	3.33	ND	367	15-140	2	40	M7
2,4-Dinitrotoluene	1.50	5.0	"	3.33	ND	45	60-115	18	40	M8
2,6-Dinitrotoluene	ND	5.0	"	3.33	ND		65-115		35	R4, M8
Di-n-octyl phthalate	1.62	10	"	3.33	ND	49	60-130	18	35	M8

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I19009 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (7I19009-MSD1)	**Source: MQI0255-01**			Prepared: 09/19/07 Analyzed: 09/21/07						
Fluoranthene	ND	5.0	mg/kg	3.33	ND		65-120		30	R4, M8
Fluorene	1.83	5.0	"	3.33	ND	55	65-115	18	30	M8
Hexachlorobenzene	1.55	5.0	"	3.33	ND	46	45-115	15	40	
Hexachlorobutadiene	1.70	5.0	"	3.33	ND	51	55-115	10	35	M8
Hexachlorocyclopentadiene	1.37	10	"	3.33	ND	41	50-120	12	40	M8
Hexachloroethane	ND	5.0	"	3.33	ND		65-115		30	M8, R4
Indeno (1,2,3-cd) pyrene	1.51	5.0	"	3.33	ND	45	65-115	20	30	M8
Isophorone	1.54	5.0	"	3.33	ND	46	60-115	13	30	M8
2-Methylnaphthalene	1.63	5.0	"	3.33	ND	49	60-115	13	30	M8
2-Methylphenol	1.83	5.0	"	3.33	ND	55	70-115	18	35	M8
3 & 4-Methylphenol	1.59	5.0	"	3.33	ND	48	65-115	15	40	M8
Naphthalene	1.97	5.0	"	3.33	ND	59	65-115	11	35	M8
2-Nitroaniline	1.63	10	"	3.33	ND	49	65-115	18	40	M8
3-Nitroaniline	ND	10	"	3.33	ND		40-115		40	M8, R4
4-Nitroaniline	ND	10	"	3.33	ND		50-115		35	M8, R4
Nitrobenzene	ND	5.0	"	3.33	ND		65-115		30	M8, R4
2-Nitrophenol	1.73	5.0	"	3.33	ND	52	65-115	12	35	M8
4-Nitrophenol	ND	10	"	3.33	ND		45-120		40	M8, R4
N-Nitrosodi-n-propylamine	1.92	5.0	"	3.33	ND	58	65-115	11	30	M8
N-Nitrosodiphenylamine	2.11	5.0	"	3.33	ND	63	75-135	20	40	M8
Pentachlorophenol	ND	10	"	3.33	ND		40-115		40	M8, R4
Phenanthrene	1.82	5.0	"	3.33	ND	55	65-115	21	30	M8
Phenol	1.89	5.0	"	3.33	ND	57	65-115	13	30	M8
Pyrene	1.82	5.0	"	3.33	ND	55	65-115	21	30	M8
1,2,4-Trichlorobenzene	1.69	5.0	"	3.33	ND	51	65-115	15	30	M8
2,4,5-Trichlorophenol	1.51	10	"	3.33	ND	45	65-115	18	40	M8
2,4,6-Trichlorophenol	1.53	5.0	"	3.33	ND	46	65-115	16	35	M8
Surrogate: 2-Fluorophenol	*1.65*		"	*3.33*		*49*	*10-125*			
Surrogate: Phenol-d6	*1.83*		"	*3.33*		*55*	*10-150*			
Surrogate: Nitrobenzene-d5	*0.973*		"	*1.67*		*58*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*0.913*		"	*1.67*		*55*	*50-120*			
Surrogate: 2,4,6-Tribromophenol	*1.37*		"	*3.33*		*41*	*45-120*			*Z6*
Surrogate: p-Terphenyl-d14	*0.827*		"	*1.67*		*50*	*55-120*			*Z6*

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7I10004 - General Preparation / SM2540B										
Blank (7I10004-BLK1)				Prepared: 09/07/07 Analyzed: 09/10/07						
Total Solids	ND	1.0	%							
Duplicate (7I10004-DUP1)	**Source: MQI0117-01**			Prepared: 09/07/07 Analyzed: 09/10/07						
Total Solids	81.4	1.0	%		79.9			2	20	

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City of San Jose ESD Lab	Project: Biosolids	MQI0143
4245 Zanker Road, Suite L	Project Number: [none]	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	09/25/07 13:34

Notes and Definitions

Z6	Surrogate recovery was below acceptance limits.
RL1	Reporting limit raised due to sample matrix effects.
R4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
R2	The RPD exceeded the acceptance limit.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
I	Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

September 6, 2007

Kim Nguyen
City of San Jose Environmental Services Department
Watershed Protection Division Laboratory
700 Los Esteros Rd.
San Jose, CA 95134
Phone (408) 945-3768
Fax (408) 946-2765

Leticia Reyes, Project Manager
Sequoia Analytical
885 Jarvis Drive
Morgan Hill, CA 95037
(408) 782-8159

Re: Pretreatment Biosolids

Dear Ms Reyes:

This letter is to document the testing requirements for the stabilized biosolids submitted to your laboratory on 09/06/07. This includes twenty (20) grabs in four-ounce glass containers. We request the following:

1. Composite single sample from the 20 grabs based on equal parts by weight.
2. Determine percent solids
3. Semi-volatile Organic Analysis (8270C SVOA Full List)
4. Volatile Organic Analysis (8260B VOA Full List)
5. Total Metals (TTLC) for the following 17 elements (CAM 17): Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury (CVAA), Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.
6. Soluble Metals (STLC) for the same 17 elements. Initiate STLC extraction as soon as possible. Perform analysis on STLC extract on any element whose TTLC equals or exceeds the STLC limit. EPA methods 6010, 6020 or 7000 series from SW846 are acceptable.

Thank you,

Kim Nguyen

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: City of San Jose
REC. BY (PRINT) DV
WORKORDER: MQI0143

DATE REC'D AT LAB: 9/6/07
TIME REC'D AT LAB: 1655
DATE LOGGED IN: 9/07/07

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*	01	Bottle #1	250ml jar	none	—	sludge	9/5/07	
2. Chain-of-Custody (Present) / Absent*		Bottle #2						
3. Traffic Reports or Packing List: Present / (Absent)		3						
4. Airbill: Airbill / Sticker Present / (Absent)		4						
5. Airbill #:		5						
6. Sample Labels: (Present) / Absent		6						
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody		7						
8. Sample Condition: (Intact) / Broken* / Leaking*		8						
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*		9						
10. Sample received within hold time? (Yes) / No*		10						
11. Adequate sample volume received? (Yes) / No*		11						
12. Proper preservatives used? (Yes) / No*		12						
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No)*		13						
14. Read Temp: 13.4°		14						
Corrected Temp: ↓		15						
Is corrected temp 4 +/-2°C? Yes / (No)*		16						
(Acceptance range for samples requiring thermal pres.)		17						
**Exception (if any): METALS / DFF ON ICE or Problem COC		18						
		19						
		20	9/6/07 DV					

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

Login Batch: 2007-09-05-019

CHAIN OF CUSTODY

MQI0143

Lab Supervisor / Designee

Date Request Printed: 9/5/2007 4:50:52PM	Send Report To: Kim Nguyen
Project ID / Sample Source: BIOSOLIDS	
Sample Collector: CGROVER	Turn-around-Time: 15 calendar days

Date & Time Collected	Sample ID	Client Sample ID	Containers	Analysis	Matrix	Preservation
9/5/2007 9:30:00AM	LA70925	01	20 250 ml Glass	EPA 8260B, Volatile Organics	Sludge	6 C
9/5/2007 9:30:00AM	LA70926	↓	20 250 ml Glass	EPA 8270C, Semivolatile Organics	Sludge	6 C
9/5/2007 9:30:00AM	LA70927		20 250 ml Glass	SM2540G, Total Solids	Sludge	6 C
9/5/2007 9:30:00AM	LA70928		20 250 ml Glass	EPA 7471A, Hg- Solid-Total	Sludge	6 C
9/5/2007 9:30:00AM	LA70929		20 250 ml Glass	EPA 6010B, 16 Metals STLC	Sludge	6 C
9/5/2007 9:30:00AM	LA70930		20 250 ml Glass	EPA 6010B, 16 Metals TTLC	Sludge	6 C

Comments: See Attached Letter

Relinquished by: same as collector		Received by:	Surrendered to Lab: 9/5/2007 10:00:00AM
Signature/Date: CGrover 9/6/07 1430		Signature/Date: 9/6/07 1430	
Released by: 9/6/07 1455		Received by: 9/6/07 1655	Expenditure Identifier: 513-WPCP
Signature/Date:		Signature/Date:	
Released by:		Received By:	Contract Lab: TestAmerica
Signature/Date:		Signature/Date:	Cost: $ 855.00

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26 March, 2007

Kim Nguyen
City of San Jose ESD Lab
4245 Zanker Road, Suite L
San Jose, CA 95134

RE: Biosolids
Work Order: MQC0245

Enclosed are the results of analyses for samples received by the laboratory on 03/07/07 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Leticia Reyes

Leticia Reyes
Project Manager

CA ELAP Certificate # 1210

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LA51730	MQC0245-01	Other (W)	03/06/07 10:00	03/07/07 16:00

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							
Mercury	**1.1**	0.050	mg/kg	5	7C12010	03/12/07	03/12/07	EPA 7471A	
Antimony	ND	5.0	"	1	7C08048	03/08/07	03/13/07	EPA 6010B	
Arsenic	**11**	5.0	"	"	"	"	"	"	
Barium	**330**	5.0	"	"	"	"	"	"	
Beryllium	**0.26**	0.10	"	"	"	"	"	"	
Cadmium	**1.6**	0.50	"	"	"	"	"	"	
Chromium	**50**	5.0	"	"	"	"	"	"	
Cobalt	**9.3**	0.50	"	"	"	"	"	"	
Copper	**270**	4.0	"	"	"	"	"	"	
Lead	**37**	5.0	"	"	"	"	"	"	
Molybdenum	**9.6**	1.0	"	"	"	"	"	"	
Nickel	**54**	5.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	**10**	0.50	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**34**	5.0	"	"	"	"	"	"	
Zinc	**640**	5.0	"	"	"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

STLC Metals by EPA 6000/7000 Series Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							
Copper	**13**	0.011	mg/l	1	7C23002	03/23/07	03/23/07	EPA 6010B	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							I
Benzene	ND	5.0	ug/kg	1	7C13003	03/13/07	03/13/07	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							I
Styrene	ND	5.0	ug/kg	1	7C13003	03/13/07	03/13/07	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*45-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*122 %*	*55-135*		"	"	"	"	
Surrogate: Toluene-d8		*86 %*	*70-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*75 %*	*60-120*		"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							**A-01**
Acenaphthene	ND	5.0	mg/kg	20	7C14032	03/14/07	03/16/07	EPA 8270C	
Acenaphthylene	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.0	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.0	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.0	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.0	"	"	"	"	"	"	
Benzoic acid	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.0	"	"	"	"	"	"	
4-Chloroaniline	ND	10	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.0	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.0	"	"	"	"	"	"	
2-Chlorophenol	ND	5.0	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Chrysene	ND	5.0	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	5.0	"	"	"	"	"	"	
Dibenzofuran	ND	5.0	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.0	"	"	"	"	"	"	
Diethyl phthalate	ND	5.0	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.0	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	5.0	"	"	"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00**	**Received: 03/07/07 16:00**							**A-01**
Hexachlorobenzene	ND	5.0	mg/kg	20	7C14032	03/14/07	03/16/07	EPA 8270C	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.0	"	"	"	"	"	"	
Isophorone	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.0	"	"	"	"	"	"	
2-Methylphenol	ND	5.0	"	"	"	"	"	"	
3 & 4-Methylphenol	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	10	"	"	"	"	"	"	
Nitrobenzene	ND	5.0	"	"	"	"	"	"	
2-Nitrophenol	ND	5.0	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.0	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Phenanthrene	ND	5.0	"	"	"	"	"	"	
Phenol	ND	5.0	"	"	"	"	"	"	
Pyrene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.0	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*80 %*	*50-120*		"	"	"	"	
Surrogate: Phenol-d6		*80 %*	*10-150*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*90 %*	*55-115*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*89 %*	*10-125*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*92 %*	*45-115*		"	"	"	"	
Surrogate: p-Terphenyl-d14		*83 %*	*55-120*		"	"	"	"	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LA51730 (MQC0245-01) Other (W)	**Sampled: 03/06/07 10:00 Received: 03/07/07 16:00**								
Moisture	**34**	0.10	%	1	7C12005	03/09/07	03/12/07	SM 2540G	
Total Solids	**66**	1.0	"	"	7C12011	"	03/12/07	SM2540G	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C08048 - EPA 3050B / EPA 6010B										
Blank (7C08048-BLK1)				Prepared: 03/08/07 Analyzed: 03/12/07						
Antimony	ND	5.0	mg/kg							
Arsenic	ND	5.0	"							
Barium	ND	5.0	"							
Beryllium	ND	0.10	"							
Cadmium	ND	0.50	"							
Chromium	ND	5.0	"							
Cobalt	ND	0.50	"							
Copper	ND	4.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	5.0	"							
Selenium	ND	10	"							
Silver	ND	0.50	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	5.0	"							
Laboratory Control Sample (7C08048-BS1)				Prepared: 03/08/07 Analyzed: 03/12/07						
Antimony	46.7	5.0	mg/kg	50.0		93	75-120			
Arsenic	47.1	5.0	"	50.0		94	75-120			
Barium	48.7	5.0	"	50.0		97	80-120			
Beryllium	50.6	0.10	"	50.0		101	80-120			
Cadmium	46.2	0.50	"	50.0		92	75-120			
Chromium	47.3	5.0	"	50.0		95	80-120			
Cobalt	47.0	0.50	"	50.0		94	80-120			
Copper	48.0	4.0	"	50.0		96	80-120			
Lead	46.6	5.0	"	50.0		93	75-120			
Molybdenum	47.7	1.0	"	50.0		95	80-120			
Nickel	46.9	5.0	"	50.0		94	80-120			
Selenium	48.3	10	"	50.0		97	70-120			
Silver	45.8	0.50	"	50.0		92	75-120			
Thallium	47.3	5.0	"	50.0		95	80-120			
Vanadium	47.5	5.0	"	50.0		95	80-120			
Zinc	47.6	5.0	"	50.0		95	75-120			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C08048 - EPA 3050B / EPA 6010B										
Matrix Spike (7C08048-MS1)	**Source: MQC0158-01**			Prepared: 03/08/07 Analyzed: 03/12/07						
Antimony	25.5	5.0	mg/kg	50.0	0.50	50	75-120			M8
Arsenic	45.4	5.0	"	50.0	3.9	83	75-120			
Barium	162	5.0	"	50.0	140	44	80-120			M8
Beryllium	46.3	0.10	"	50.0	0.47	92	80-120			
Cadmium	42.8	0.50	"	50.0	0.15	85	75-120			
Chromium	64.0	5.0	"	50.0	29	70	80-120			M8
Cobalt	49.8	0.50	"	50.0	9.6	80	80-120			
Copper	59.2	4.0	"	50.0	20	78	80-120			M8
Lead	50.2	5.0	"	50.0	5.7	89	75-120			
Molybdenum	41.3	1.0	"	50.0	0.46	82	80-120			
Nickel	60.7	5.0	"	50.0	28	65	80-120			M8
Selenium	42.8	10	"	50.0	ND	86	70-120			
Silver	42.3	0.50	"	50.0	ND	85	75-120			
Thallium	40.1	5.0	"	50.0	ND	80	80-120			
Vanadium	73.0	5.0	"	50.0	40	66	80-120			M8
Zinc	74.5	5.0	"	50.0	34	81	75-120			
Matrix Spike Dup (7C08048-MSD1)	**Source: MQC0158-01**			Prepared: 03/08/07 Analyzed: 03/12/07						
Antimony	18.4	5.0	mg/kg	50.0	0.50	36	75-120	32	25	R2, M8
Arsenic	51.8	5.0	"	50.0	3.9	96	75-120	13	25	
Barium	205	5.0	"	50.0	140	130	80-120	23	20	R2, M7
Beryllium	53.4	0.10	"	50.0	0.47	106	80-120	14	20	
Cadmium	49.0	0.50	"	50.0	0.15	98	75-120	14	25	
Chromium	78.3	5.0	"	50.0	29	99	80-120	20	20	
Cobalt	58.6	0.50	"	50.0	9.6	98	80-120	16	20	
Copper	74.4	4.0	"	50.0	20	109	80-120	23	20	R2
Lead	55.3	5.0	"	50.0	5.7	99	75-120	10	25	
Molybdenum	45.1	1.0	"	50.0	0.46	89	80-120	9	20	
Nickel	75.4	5.0	"	50.0	28	95	80-120	22	20	R2
Selenium	48.6	10	"	50.0	ND	97	70-120	13	25	
Silver	49.0	0.50	"	50.0	ND	98	75-120	15	25	
Thallium	47.0	5.0	"	50.0	ND	94	80-120	16	20	
Vanadium	85.0	5.0	"	50.0	40	90	80-120	15	20	
Zinc	85.5	5.0	"	50.0	34	103	75-120	14	25	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C12010 - EPA 7471A / EPA 7471A										
Blank (7C12010-BLK1)				Prepared & Analyzed: 03/12/07						
Mercury	ND	0.010	mg/kg							
Laboratory Control Sample (7C12010-BS1)				Prepared & Analyzed: 03/12/07						
Mercury	0.706	0.010	mg/kg	0.667		106	80-120			
Matrix Spike (7C12010-MS1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/12/07						
Mercury	2.80	0.050	mg/kg	0.667	1.1	255	80-120			M7
Matrix Spike Dup (7C12010-MSD1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/12/07						
Mercury	2.78	0.050	mg/kg	0.667	1.1	252	80-120	0.7	20	M7

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C23002 - Title 22-STLC DI / EPA 6010B										
Blank (7C23002-BLK1)				Prepared & Analyzed: 03/23/07						
Copper	ND	0.011	mg/l							
Laboratory Control Sample (7C23002-BS1)				Prepared & Analyzed: 03/23/07						
Copper	7.67	0.011	mg/l	8.00		96	85-115			
Matrix Spike (7C23002-MS1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/23/07						
Copper	21.4	0.011	mg/l	8.00	13	105	85-115			
Matrix Spike Dup (7C23002-MSD1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/23/07						
Copper	21.5	0.011	mg/l	8.00	13	106	85-115	0.5	35	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Blank (7C13003-BLK1)				Prepared & Analyzed: 03/13/07						
Benzene	ND	5.0	ug/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Blank (7C13003-BLK1)				Prepared & Analyzed: 03/13/07						
Methylene chloride	ND	5.0	ug/kg							
Naphthalene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Xylenes (total)	ND	5.0	"							
Surrogate: Dibromofluoromethane	*5.32*		"	*5.00*		*106*	*45-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.84*		"	*5.00*		*117*	*55-135*			
Surrogate: Toluene-d8	*4.76*		"	*5.00*		*95*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*4.50*		"	*5.00*		*90*	*60-120*			
Laboratory Control Sample (7C13003-BS1)				Prepared & Analyzed: 03/13/07						
Benzene	19.7	5.0	ug/kg	20.0		98	70-130			
Bromobenzene	22.8	5.0	"	20.0		114	80-150			
Bromochloromethane	22.0	5.0	"	20.0		110	80-145			
Bromodichloromethane	22.4	5.0	"	20.0		112	80-140			
Bromoform	22.1	5.0	"	20.0		110	60-120			
Bromomethane	20.1	5.0	"	20.0		100	65-130			
sec-Butylbenzene	20.4	5.0	"	20.0		102	35-150			
tert-Butylbenzene	22.5	5.0	"	20.0		112	45-150			
n-Butylbenzene	20.0	5.0	"	20.0		100	25-150			
Carbon tetrachloride	25.9	5.0	"	20.0		130	70-140			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7C13003-BS1)				Prepared & Analyzed: 03/13/07						
Chlorobenzene	20.4	5.0	ug/kg	20.0		102	75-140			
Chloroethane	21.6	5.0	"	20.0		108	65-140			
Chloroform	22.4	5.0	"	20.0		112	70-140			
Chloromethane	20.2	5.0	"	20.0		101	45-140			
2-Chlorotoluene	22.3	5.0	"	20.0		112	70-150			
4-Chlorotoluene	22.3	5.0	"	20.0		112	75-145			
1,2-Dibromo-3-chloropropane	22.5	5.0	"	20.0		112	40-150			
Dibromochloromethane	23.6	5.0	"	20.0		118	80-140			
1,2-Dibromoethane (EDB)	23.7	5.0	"	20.0		118	80-135			
Dibromomethane	22.5	5.0	"	20.0		112	75-145			
1,2-Dichlorobenzene	20.5	5.0	"	20.0		102	75-145			
`chlorobenzene	21.2	5.0	"	20.0		106	70-150			
ichlorobenzene	20.4	5.0	"	20.0		102	75-145			
Dichlorodifluoromethane	20.7	5.0	"	20.0		104	25-120			
1,1-Dichloroethane	21.3	5.0	"	20.0		106	65-140			
1,2-Dichloroethane	23.5	5.0	"	20.0		118	70-120			
1,1-Dichloroethene	20.8	5.0	"	20.0		104	75-140			
cis-1,2-Dichloroethene	20.5	5.0	"	20.0		102	70-140			
trans-1,2-Dichloroethene	20.4	5.0	"	20.0		102	75-140			
1,2-Dichloropropane	21.0	5.0	"	20.0		105	70-145			
1,3-Dichloropropane	21.8	5.0	"	20.0		109	70-145			
2,2-Dichloropropane	25.2	5.0	"	20.0		126	75-140			
1,1-Dichloropropene	23.7	5.0	"	20.0		118	75-145			
Ethylbenzene	22.7	5.0	"	20.0		114	75-130			
Hexachlorobutadiene	18.3	5.0	"	20.0		92	30-150			
Isopropylbenzene	21.2	5.0	"	20.0		106	40-150			
Methylene chloride	20.7	5.0	"	20.0		104	70-145			
Naphthalene	21.1	5.0	"	20.0		106	55-140			
p-Isopropyltoluene	20.8	5.0	"	20.0		104	35-150			
n-Propylbenzene	21.6	5.0	"	20.0		108	55-150			
Styrene	19.7	5.0	"	20.0		98	60-150			
,1,1,2-Tetrachloroethane	23.3	5.0	"	20.0		116	65-140			
,1,2,2-Tetrachloroethane	21.4	5.0	"	20.0		107	65-150			
etrachloroethene	25.4	5.0	"	20.0		127	45-150			
oluene	20.9	5.0	"	20.0		104	75-130			
2,3-Trichlorobenzene	22.9	5.0	"	20.0		114	45-150			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (7C13003-BS1)				Prepared & Analyzed: 03/13/07						
1,2,4-Trichlorobenzene	23.5	5.0	ug/kg	20.0		118	45-150			
1,1,1-Trichloroethane	24.6	5.0	"	20.0		123	65-150			
1,1,2-Trichloroethane	20.9	5.0	"	20.0		104	75-150			
Trichloroethene	24.1	5.0	"	20.0		120	80-145			
Trichlorofluoromethane	24.2	5.0	"	20.0		121	65-135			
1,2,3-Trichloropropane	21.5	5.0	"	20.0		108	60-150			
1,2,4-Trimethylbenzene	23.1	5.0	"	20.0		116	60-150			
1,3,5-Trimethylbenzene	22.7	5.0	"	20.0		114	55-150			
Vinyl chloride	22.4	5.0	"	20.0		112	10-150			
Xylenes (total)	68.5	5.0	"	60.0		114	75-135			
Surrogate: Dibromofluoromethane	*5.34*		"	*5.00*		*107*	*45-130*			
rate: 1,2-Dichloroethane-d4	*5.84*		"	*5.00*		*117*	*55-135*			
gate: Toluene-d8	*5.06*		"	*5.00*		*101*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*5.16*		"	*5.00*		*103*	*60-120*			
Matrix Spike (7C13003-MS1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/13/07						
Benzene	20.6	5.0	ug/kg	20.0	ND	103	70-130			
Bromobenzene	23.8	5.0	"	20.0	ND	119	80-150			
Bromochloromethane	22.5	5.0	"	20.0	ND	112	80-145			
Bromodichloromethane	22.1	5.0	"	20.0	ND	110	80-140			
Bromoform	16.1	5.0	"	20.0	ND	80	60-120			
Bromomethane	21.3	5.0	"	20.0	ND	106	65-130			
sec-Butylbenzene	20.4	5.0	"	20.0	ND	102	35-150			
tert-Butylbenzene	22.9	5.0	"	20.0	ND	114	45-150			
n-Butylbenzene	18.9	5.0	"	20.0	ND	94	25-150			
Carbon tetrachloride	24.0	5.0	"	20.0	ND	120	70-140			
Chlorobenzene	19.9	5.0	"	20.0	ND	100	75-140			
Chloroethane	22.7	5.0	"	20.0	ND	114	65-140			
Chloroform	23.6	5.0	"	20.0	ND	118	70-140			
Chloromethane	23.2	5.0	"	20.0	ND	116	45-140			
2-Chlorotoluene	24.1	5.0	"	20.0	ND	120	70-150			
4-Chlorotoluene	24.1	5.0	"	20.0	ND	120	75-145			
,2-Dibromo-3-chloropropane	19.4	5.0	"	20.0	ND	97	40-150			
ibromochloromethane	19.5	5.0	"	20.0	ND	98	80-140			
2-Dibromoethane (EDB)	20.0	5.0	"	20.0	ND	100	80-135			
bromomethane	21.7	5.0	"	20.0	ND	108	75-145			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7C13003-MS1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/13/07						
1,2-Dichlorobenzene	17.0	5.0	ug/kg	20.0	0.30	84	75-145			
1,3-Dichlorobenzene	20.1	5.0	"	20.0	ND	100	70-150			
1,4-Dichlorobenzene	19.5	5.0	"	20.0	0.54	95	75-145			
Dichlorodifluoromethane	23.1	5.0	"	20.0	ND	116	25-120			
1,1-Dichloroethane	23.3	5.0	"	20.0	ND	116	65-140			
1,2-Dichloroethane	23.6	5.0	"	20.0	ND	118	70-120			
1,1-Dichloroethene	22.3	5.0	"	20.0	ND	112	75-140			
cis-1,2-Dichloroethene	22.4	5.0	"	20.0	ND	112	70-140			
trans-1,2-Dichloroethene	22.7	5.0	"	20.0	ND	114	75-140			
1,2-Dichloropropane	21.0	5.0	"	20.0	ND	105	70-145			
1,3-Dichloropropane	20.1	5.0	"	20.0	ND	100	70-145			
2,2-Dichloropropane	26.2	5.0	"	20.0	ND	131	75-140			
1,1-Dichloropropene	21.8	5.0	"	20.0	ND	109	75-145			
Ethylbenzene	21.4	5.0	"	20.0	ND	107	75-130			
Hexachlorobutadiene	15.3	5.0	"	20.0	ND	76	30-150			
Isopropylbenzene	17.3	5.0	"	20.0	ND	86	40-150			
Methylene chloride	24.0	5.0	"	20.0	ND	120	70-145			
Naphthalene	10.1	5.0	"	20.0	ND	50	55-140			M8
p-Isopropyltoluene	21.2	5.0	"	20.0	0.76	102	35-150			
n-Propylbenzene	23.3	5.0	"	20.0	ND	116	55-150			
Styrene	16.6	5.0	"	20.0	ND	83	60-150			
1,1,1,2-Tetrachloroethane	21.8	5.0	"	20.0	ND	109	65-140			
1,1,2,2-Tetrachloroethane	22.7	5.0	"	20.0	ND	114	65-150			
Tetrachloroethene	19.3	5.0	"	20.0	ND	96	45-150			
Toluene	20.4	5.0	"	20.0	0.52	99	75-130			
1,2,3-Trichlorobenzene	11.2	5.0	"	20.0	ND	56	45-150			
1,2,4-Trichlorobenzene	13.6	5.0	"	20.0	ND	68	45-150			
1,1,1-Trichloroethane	24.6	5.0	"	20.0	ND	123	65-150			
1,1,2-Trichloroethane	19.5	5.0	"	20.0	ND	98	75-150			
Trichloroethene	22.5	5.0	"	20.0	ND	112	80-145			
Trichlorofluoromethane	23.8	5.0	"	20.0	ND	119	65-135			
1,2,3-Trichloropropane	24.9	5.0	"	20.0	ND	124	60-150			
1,2,4-Trimethylbenzene	23.5	5.0	"	20.0	ND	118	60-150			
1,3,5-Trimethylbenzene	24.2	5.0	"	20.0	ND	121	55-150			
Vinyl chloride	24.7	5.0	"	20.0	ND	124	10-150			
Xylenes (total)	64.0	5.0	"	60.0	ND	107	75-135			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7C13003-MS1)	**Source: MQC0245-01**			**Prepared & Analyzed: 03/13/07**						
Surrogate: Dibromofluoromethane	*5.06*		*ug/kg*	*5.00*		*101*	*45-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.42*		*"*	*5.00*		*108*	*55-135*			
Surrogate: Toluene-d8	*4.72*		*"*	*5.00*		*94*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*4.82*		*"*	*5.00*		*96*	*60-120*			
Matrix Spike Dup (7C13003-MSD1)	**Source: MQC0245-01**			**Prepared & Analyzed: 03/13/07**						
Benzene	19.9	5.0	ug/kg	20.0	ND	100	70-130	3	25	
Bromobenzene	21.4	5.0	"	20.0	ND	107	80-150	11	20	
Bromochloromethane	22.7	5.0	"	20.0	ND	114	80-145	0.9	20	
Bromodichloromethane	21.9	5.0	"	20.0	ND	110	80-140	0.9	25	
Bromoform	18.0	5.0	"	20.0	ND	90	60-120	11	20	
Bromomethane	20.3	5.0	"	20.0	ND	102	65-130	5	25	
sec-Butylbenzene	20.9	5.0	"	20.0	ND	104	35-150	2	40	
tert-Butylbenzene	23.1	5.0	"	20.0	ND	116	45-150	0.9	40	
n-Butylbenzene	19.9	5.0	"	20.0	ND	100	25-150	5	40	
Carbon tetrachloride	24.0	5.0	"	20.0	ND	120	70-140	0	20	
Chlorobenzene	19.0	5.0	"	20.0	ND	95	75-140	5	25	
Chloroethane	22.7	5.0	"	20.0	ND	114	65-140	0	35	
Chloroform	22.7	5.0	"	20.0	ND	114	70-140	4	25	
Chloromethane	22.8	5.0	"	20.0	ND	114	45-140	2	40	
2-Chlorotoluene	22.8	5.0	"	20.0	ND	114	70-150	6	40	
4-Chlorotoluene	22.2	5.0	"	20.0	ND	111	75-145	8	30	
1,2-Dibromo-3-chloropropane	21.1	5.0	"	20.0	ND	106	40-150	8	40	
Dibromochloromethane	20.6	5.0	"	20.0	ND	103	80-140	5	20	
1,2-Dibromoethane (EDB)	21.4	5.0	"	20.0	ND	107	80-135	7	20	
Dibromomethane	22.3	5.0	"	20.0	ND	112	75-145	3	20	
1,2-Dichlorobenzene	17.8	5.0	"	20.0	0.30	87	75-145	5	25	
1,3-Dichlorobenzene	19.7	5.0	"	20.0	ND	98	70-150	2	30	
1,4-Dichlorobenzene	18.6	5.0	"	20.0	0.54	90	75-145	5	25	
Dichlorodifluoromethane	22.3	5.0	"	20.0	ND	112	25-120	4	35	
1,1-Dichloroethane	22.2	5.0	"	20.0	ND	111	65-140	5	20	
1,2-Dichloroethane	23.5	5.0	"	20.0	ND	118	70-120	0.4	30	
1,1-Dichloroethene	21.4	5.0	"	20.0	ND	107	75-140	4	25	
cis-1,2-Dichloroethene	21.1	5.0	"	20.0	ND	106	70-140	6	25	
trans-1,2-Dichloroethene	20.4	5.0	"	20.0	ND	102	75-140	11	30	
1,2-Dichloropropane	20.6	5.0	"	20.0	ND	103	70-145	2	30	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C13003 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (7C13003-MSD1)	**Source: MQC0245-01**			Prepared & Analyzed: 03/13/07						
1,3-Dichloropropane	21.2	5.0	ug/kg	20.0	ND	106	70-145	5	25	
2,2-Dichloropropane	24.1	5.0	"	20.0	ND	120	75-140	8	20	
1,1-Dichloropropene	21.4	5.0	"	20.0	ND	107	75-145	2	25	
Ethylbenzene	21.1	5.0	"	20.0	ND	106	75-130	1	30	
Hexachlorobutadiene	14.7	5.0	"	20.0	ND	74	30-150	4	25	
Isopropylbenzene	18.5	5.0	"	20.0	ND	92	40-150	7	40	
Methylene chloride	23.9	5.0	"	20.0	ND	120	70-145	0.4	35	
Naphthalene	13.2	5.0	"	20.0	ND	66	55-140	27	20	M8
p-Isopropyltoluene	20.9	5.0	"	20.0	0.76	101	35-150	1	40	
n-Propylbenzene	22.8	5.0	"	20.0	ND	114	55-150	2	40	
Styrene	16.6	5.0	"	20.0	ND	83	60-150	0	30	
1,1,1,2-Tetrachloroethane	21.5	5.0	"	20.0	ND	108	65-140	1	30	
1,1,2,2-Tetrachloroethane	22.5	5.0	"	20.0	ND	112	65-150	0.9	40	
Tetrachloroethene	21.1	5.0	"	20.0	ND	106	45-150	9	20	
Toluene	20.1	5.0	"	20.0	0.52	98	75-130	1	20	
1,2,3-Trichlorobenzene	14.1	5.0	"	20.0	ND	70	45-150	23	40	
1,2,4-Trichlorobenzene	15.9	5.0	"	20.0	ND	80	45-150	16	40	
1,1,1-Trichloroethane	23.4	5.0	"	20.0	ND	117	65-150	5	20	
1,1,2-Trichloroethane	20.8	5.0	"	20.0	ND	104	75-150	6	25	
Trichloroethene	22.5	5.0	"	20.0	ND	112	80-145	0	20	
Trichlorofluoromethane	22.9	5.0	"	20.0	ND	114	65-135	4	40	
1,2,3-Trichloropropane	24.7	5.0	"	20.0	ND	124	60-150	0.8	35	
1,2,4-Trimethylbenzene	22.9	5.0	"	20.0	ND	114	60-150	3	40	
1,3,5-Trimethylbenzene	22.9	5.0	"	20.0	ND	114	55-150	6	40	
Vinyl chloride	24.1	5.0	"	20.0	ND	120	10-150	2	40	
Xylenes (total)	62.9	5.0	"	60.0	ND	105	75-135	2	25	
Surrogate: Dibromofluoromethane	*5.34*		"	*5.00*		*107*	*45-130*			
Surrogate: 1,2-Dichloroethane-d4	*5.74*		"	*5.00*		*115*	*55-135*			
Surrogate: Toluene-d8	*4.86*		"	*5.00*		*97*	*70-120*			
Surrogate: 4-Bromofluorobenzene	*4.82*		"	*5.00*		*96*	*60-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Blank (7C14032-BLK1)				Prepared: 03/14/07 Analyzed: 03/15/07						
Acenaphthene	ND	0.25	mg/kg							
Acenaphthylene	ND	0.25	"							
Anthracene	ND	0.25	"							
Benzo (a) anthracene	ND	0.25	"							
Benzo (a) pyrene	ND	0.25	"							
Benzo (b) fluoranthene	ND	0.25	"							
Benzo (g,h,i) perylene	ND	0.25	"							
Benzo (k) fluoranthene	ND	0.25	"							
Benzoic acid	ND	0.50	"							
Benzyl alcohol	ND	0.25	"							
Bis(2-chloroethoxy)methane	ND	0.25	"							
Bis(2-chloroethyl)ether	ND	0.25	"							
Bis(2-chloroisopropyl)ether	ND	0.25	"							
Bis(2-ethylhexyl)phthalate	ND	0.50	"							
4-Bromophenyl phenyl ether	ND	0.25	"							
Butyl benzyl phthalate	ND	0.25	"							
4-Chloroaniline	ND	0.50	"							
2-Chloronaphthalene	ND	0.25	"							
4-Chloro-3-methylphenol	ND	0.25	"							
2-Chlorophenol	ND	0.25	"							
4-Chlorophenyl phenyl ether	ND	0.25	"							
Chrysene	ND	0.25	"							
Dibenz (a,h) anthracene	ND	0.25	"							
Dibenzofuran	ND	0.25	"							
Di-n-butyl phthalate	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.25	"							
1,3-Dichlorobenzene	ND	0.25	"							
1,4-Dichlorobenzene	ND	0.25	"							
3,3'-Dichlorobenzidine	ND	0.50	"							
2,4-Dichlorophenol	ND	0.25	"							
Diethyl phthalate	ND	0.25	"							
2,4-Dimethylphenol	ND	0.50	"							
Dimethyl phthalate	ND	0.25	"							
4,6-Dinitro-2-methylphenol	ND	0.50	"							
2,4-Dinitrophenol	ND	0.50	"							
2,4-Dinitrotoluene	ND	0.25	"							

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Blank (7C14032-BLK1)				Prepared: 03/14/07 Analyzed: 03/15/07						
2,6-Dinitrotoluene	ND	0.25	mg/kg							
Di-n-octyl phthalate	ND	0.50	"							
Fluoranthene	ND	0.25	"							
Fluorene	ND	0.25	"							
Hexachlorobenzene	ND	0.25	"							
Hexachlorobutadiene	ND	0.25	"							
Hexachlorocyclopentadiene	ND	0.50	"							
Hexachloroethane	ND	0.25	"							
Indeno (1,2,3-cd) pyrene	ND	0.25	"							
Isophorone	ND	0.25	"							
2-Methylnaphthalene	ND	0.25	"							
2-Methylphenol	ND	0.25	"							
3 & 4-Methylphenol	ND	0.25	"							
Naphthalene	ND	0.25	"							
2-Nitroaniline	ND	0.50	"							
3-Nitroaniline	ND	0.50	"							
4-Nitroaniline	ND	0.50	"							
Nitrobenzene	ND	0.25	"							
2-Nitrophenol	ND	0.25	"							
4-Nitrophenol	ND	0.50	"							
N-Nitrosodi-n-propylamine	ND	0.25	"							
N-Nitrosodiphenylamine	ND	0.25	"							
Pentachlorophenol	ND	0.50	"							
Phenanthrene	ND	0.25	"							
Phenol	ND	0.25	"							
Pyrene	ND	0.25	"							
1,2,4-Trichlorobenzene	ND	0.25	"							
2,4,5-Trichlorophenol	ND	0.50	"							
2,4,6-Trichlorophenol	ND	0.25	"							
Surrogate: 2-Fluorophenol	*2.28*		"	*3.33*		*68*	*50-120*			
Surrogate: Phenol-d6	*2.48*		"	*3.33*		*74*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.31*		"	*1.67*		*78*	*55-115*			
Surrogate: 2-Fluorobiphenyl	*1.27*		"	*1.67*		*76*	*10-125*			
Surrogate: 2,4,6-Tribromophenol	*2.46*		"	*3.33*		*74*	*45-115*			
Surrogate: p-Terphenyl-d14	*1.17*		"	*1.67*		*70*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (7C14032-BS1)				Prepared: 03/14/07 Analyzed: 03/15/07						
Acenaphthene	1.26	0.25	mg/kg	1.67		75	65-115			
Acenaphthylene	1.33	0.25	"	1.67		80	65-120			
Anthracene	1.31	0.25	"	1.67		78	65-115			
Benzo (a) anthracene	1.21	0.25	"	1.67		72	65-115			
Benzo (a) pyrene	1.32	0.25	"	1.67		79	65-115			
Benzo (b) fluoranthene	1.23	0.25	"	1.67		74	65-115			
Benzo (g,h,i) perylene	1.65	0.25	"	1.67		99	60-125			
Benzo (k) fluoranthene	1.33	0.25	"	1.67		80	65-115			
Benzyl alcohol	1.30	0.25	"	1.67		78	60-115			
Bis(2-chloroethoxy)methane	1.37	0.25	"	1.67		82	65-115			
Bis(2-chloroethyl)ether	1.36	0.25	"	1.67		81	60-115			
Bis(2-chloroisopropyl)ether	1.32	0.25	"	1.67		79	65-115			
Bis(2-ethylhexyl)phthalate	1.30	0.50	"	1.67		78	65-115			
4-Bromophenyl phenyl ether	1.27	0.25	"	1.67		76	65-115			
Butyl benzyl phthalate	1.31	0.25	"	1.67		78	65-115			
4-Chloroaniline	0.748	0.50	"	1.67		45	30-115			
2-Chloronaphthalene	1.24	0.25	"	1.67		74	65-115			
4-Chloro-3-methylphenol	1.36	0.25	"	1.67		81	65-115			
2-Chlorophenol	1.29	0.25	"	1.67		77	65-115			
4-Chlorophenyl phenyl ether	1.24	0.25	"	1.67		74	65-115			
Chrysene	1.20	0.25	"	1.67		72	65-115			
Dibenz (a,h) anthracene	1.18	0.25	"	1.67		71	55-125			
Dibenzofuran	1.22	0.25	"	1.67		73	65-115			
Di-n-butyl phthalate	1.42	0.50	"	1.67		85	70-115			
1,2-Dichlorobenzene	1.22	0.25	"	1.67		73	65-115			
1,3-Dichlorobenzene	1.18	0.25	"	1.67		71	65-115			
1,4-Dichlorobenzene	1.24	0.25	"	1.67		74	65-115			
2,4-Dichlorophenol	1.30	0.25	"	1.67		78	65-115			
Diethyl phthalate	1.28	0.25	"	1.67		77	65-115			
2,4-Dimethylphenol	1.17	0.50	"	1.67		70	50-115			
Dimethyl phthalate	1.21	0.25	"	1.67		72	60-115			
4,6-Dinitro-2-methylphenol	1.52	0.50	"	1.67		91	50-115			
2,4-Dinitrophenol	1.81	0.50	"	1.67		108	15-140			
2,4-Dinitrotoluene	1.29	0.25	"	1.67		77	60-115			
2,6-Dinitrotoluene	1.33	0.25	"	1.67		80	65-115			
Di-n-octyl phthalate	1.42	0.50	"	1.67		85	60-130			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Laboratory Control Sample (7C14032-BS1)				Prepared: 03/14/07 Analyzed: 03/15/07						
Fluoranthene	1.29	0.25	mg/kg	1.67		77	65-120			
Fluorene	1.29	0.25	"	1.67		77	65-115			
Hexachlorobenzene	1.28	0.25	"	1.67		77	45-115			
Hexachlorobutadiene	1.23	0.25	"	1.67		74	55-115			
Hexachlorocyclopentadiene	1.25	0.50	"	1.67		75	50-120			
Hexachloroethane	1.25	0.25	"	1.67		75	65-115			
Indeno (1,2,3-cd) pyrene	1.31	0.25	"	1.67		78	65-115			
Isophorone	1.20	0.25	"	1.67		72	60-115			
2-Methylnaphthalene	1.15	0.25	"	1.67		69	60-115			
2-Methylphenol	1.32	0.25	"	1.67		79	70-115			
3 & 4-Methylphenol	1.18	0.25	"	1.67		71	65-115			
Naphthalene	1.29	0.25	"	1.67		77	65-115			
2-Nitroaniline	1.31	0.50	"	1.67		78	65-115			
3-Nitroaniline	0.866	0.50	"	1.67		52	40-115			
4-Nitroaniline	1.07	0.50	"	1.67		64	50-115			
Nitrobenzene	1.32	0.25	"	1.67		79	65-115			
2-Nitrophenol	1.39	0.25	"	1.67		83	65-115			
4-Nitrophenol	1.32	0.50	"	1.67		79	45-120			
N-Nitrosodi-n-propylamine	1.31	0.25	"	1.67		78	65-115			
N-Nitrosodiphenylamine	1.53	0.25	"	1.67		92	75-135			
Pentachlorophenol	1.10	0.50	"	1.67		66	40-115			
Phenanthrene	1.31	0.25	"	1.67		78	65-115			
Phenol	1.30	0.25	"	1.67		78	65-115			
Pyrene	1.20	0.25	"	1.67		72	65-115			
1,2,4-Trichlorobenzene	1.25	0.25	"	1.67		75	65-115			
2,4,5-Trichlorophenol	1.22	0.50	"	1.67		73	65-115			
2,4,6-Trichlorophenol	1.22	0.25	"	1.67		73	65-115			
Surrogate: 2-Fluorophenol	*2.44*		"	*3.33*		*73*	*50-120*			
Surrogate: Phenol-d6	*2.58*		"	*3.33*		*77*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.30*		"	*1.67*		*78*	*55-115*			
Surrogate: 2-Fluorobiphenyl	*1.23*		"	*1.67*		*74*	*10-125*			
Surrogate: 2,4,6-Tribromophenol	*2.57*		"	*3.33*		*77*	*45-115*			
Surrogate: p-Terphenyl-d14	*1.17*		"	*1.67*		*70*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (7C14032-MS1)	**Source: MQC0393-06**			Prepared: 03/14/07 Analyzed: 03/15/07						
Acenaphthene	1.25	0.25	mg/kg	1.67	ND	75	65-115			
Acenaphthylene	1.32	0.25	"	1.67	ND	79	65-120			
Anthracene	1.28	0.25	"	1.67	ND	77	65-115			
Benzo (a) anthracene	1.20	0.25	"	1.67	ND	72	65-115			
Benzo (a) pyrene	1.29	0.25	"	1.67	ND	77	65-115			
Benzo (b) fluoranthene	1.23	0.25	"	1.67	ND	74	65-115			
Benzo (g,h,i) perylene	1.60	0.25	"	1.67	ND	96	60-125			
Benzo (k) fluoranthene	1.33	0.25	"	1.67	ND	80	65-115			
Benzyl alcohol	1.27	0.25	"	1.67	ND	76	60-115			
Bis(2-chloroethoxy)methane	1.35	0.25	"	1.67	ND	81	65-115			
Bis(2-chloroethyl)ether	1.34	0.25	"	1.67	ND	80	60-115			
Bis(2-chloroisopropyl)ether	1.30	0.25	"	1.67	ND	78	65-115			
Bis(2-ethylhexyl)phthalate	1.30	0.50	"	1.67	ND	78	65-115			
4-Bromophenyl phenyl ether	1.25	0.25	"	1.67	ND	75	65-115			
Butyl benzyl phthalate	1.31	0.25	"	1.67	ND	78	65-115			
4-Chloroaniline	0.787	0.50	"	1.67	ND	47	30-115			
2-Chloronaphthalene	1.22	0.25	"	1.67	ND	73	65-115			
4-Chloro-3-methylphenol	1.34	0.25	"	1.67	ND	80	65-115			
2-Chlorophenol	1.27	0.25	"	1.67	ND	76	65-115			
4-Chlorophenyl phenyl ether	1.25	0.25	"	1.67	ND	75	65-115			
Chrysene	1.21	0.25	"	1.67	ND	72	65-115			
Dibenz (a,h) anthracene	1.19	0.25	"	1.67	ND	71	55-125			
Dibenzofuran	1.23	0.25	"	1.67	ND	74	65-115			
Di-n-butyl phthalate	1.39	0.50	"	1.67	ND	83	70-115			
1,2-Dichlorobenzene	1.15	0.25	"	1.67	ND	69	65-115			
1,3-Dichlorobenzene	1.10	0.25	"	1.67	ND	66	65-115			
1,4-Dichlorobenzene	1.14	0.25	"	1.67	ND	68	65-115			
2,4-Dichlorophenol	1.28	0.25	"	1.67	ND	77	65-115			
Diethyl phthalate	1.27	0.25	"	1.67	ND	76	65-115			
2,4-Dimethylphenol	1.28	0.50	"	1.67	ND	77	50-115			
Dimethyl phthalate	1.21	0.25	"	1.67	ND	72	60-115			
4,6-Dinitro-2-methylphenol	1.56	0.50	"	1.67	ND	93	50-115			
2,4-Dinitrophenol	1.97	0.50	"	1.67	ND	118	15-140			
2,4-Dinitrotoluene	1.26	0.25	"	1.67	ND	75	60-115			
2,6-Dinitrotoluene	1.33	0.25	"	1.67	ND	80	65-115			
Di-n-octyl phthalate	1.45	0.50	"	1.67	ND	87	60-130			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike (7C14032-MS1)	**Source: MQC0393-06**			Prepared: 03/14/07 Analyzed: 03/15/07						
Fluoranthene	1.26	0.25	mg/kg	1.67	ND	75	65-120			
Fluorene	1.28	0.25	"	1.67	ND	77	65-115			
Hexachlorobenzene	1.24	0.25	"	1.67	ND	74	45-115			
Hexachlorobutadiene	1.17	0.25	"	1.67	ND	70	55-115			
Hexachlorocyclopentadiene	1.21	0.50	"	1.67	ND	72	50-120			
Hexachloroethane	1.15	0.25	"	1.67	ND	69	65-115			
Indeno (1,2,3-cd) pyrene	1.29	0.25	"	1.67	ND	77	65-115			
Isophorone	1.19	0.25	"	1.67	ND	71	60-115			
2-Methylnaphthalene	1.13	0.25	"	1.67	ND	68	60-115			
2-Methylphenol	1.31	0.25	"	1.67	ND	78	70-115			
3 & 4-Methylphenol	1.18	0.25	"	1.67	ND	71	65-115			
Naphthalene	1.25	0.25	"	1.67	ND	75	65-115			
2-Nitroaniline	1.31	0.50	"	1.67	ND	78	65-115			
3-Nitroaniline	0.900	0.50	"	1.67	ND	54	40-115			
4-Nitroaniline	1.06	0.50	"	1.67	ND	63	50-115			
Nitrobenzene	1.29	0.25	"	1.67	ND	77	65-115			
2-Nitrophenol	1.35	0.25	"	1.67	ND	81	65-115			
4-Nitrophenol	1.39	0.50	"	1.67	ND	83	45-120			
N-Nitrosodi-n-propylamine	1.29	0.25	"	1.67	ND	77	65-115			
N-Nitrosodiphenylamine	1.51	0.25	"	1.67	ND	90	75-135			
Pentachlorophenol	1.17	0.50	"	1.67	ND	70	40-115			
Phenanthrene	1.28	0.25	"	1.67	ND	77	65-115			
Phenol	1.26	0.25	"	1.67	ND	75	65-115			
Pyrene	1.20	0.25	"	1.67	ND	72	65-115			
1,2,4-Trichlorobenzene	1.18	0.25	"	1.67	ND	71	65-115			
2,4,5-Trichlorophenol	1.23	0.50	"	1.67	ND	74	65-115			
2,4,6-Trichlorophenol	1.24	0.25	"	1.67	ND	74	65-115			
Surrogate: 2-Fluorophenol	*2.42*		"	*3.33*		*73*	*50-120*			
Surrogate: Phenol-d6	*2.56*		"	*3.33*		*77*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.26*		"	*1.67*		*75*	*55-115*			
Surrogate: 2-Fluorobiphenyl	*1.23*		"	*1.67*		*74*	*10-125*			
Surrogate: 2,4,6-Tribromophenol	*2.56*		"	*3.33*		*77*	*45-115*			
Surrogate: p-Terphenyl-d14	*1.19*		"	*1.67*		*71*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (7C14032-MSD1)	**Source: MQC0393-06**			Prepared: 03/14/07	Analyzed: 03/15/07					
Acenaphthene	1.17	0.25	mg/kg	1.67	ND	70	65-115	7	35	
Acenaphthylene	1.22	0.25	"	1.67	ND	73	65-120	8	30	
Anthracene	1.17	0.25	"	1.67	ND	70	65-115	9	30	
Benzo (a) anthracene	1.07	0.25	"	1.67	ND	64	65-115	11	30	M8
Benzo (a) pyrene	1.16	0.25	"	1.67	ND	69	65-115	11	25	
Benzo (b) fluoranthene	1.12	0.25	"	1.67	ND	67	65-115	9	25	
Benzo (g,h,i) perylene	1.45	0.25	"	1.67	ND	87	60-125	10	35	
Benzo (k) fluoranthene	1.18	0.25	"	1.67	ND	71	65-115	12	25	
Benzyl alcohol	1.19	0.25	"	1.67	ND	71	60-115	7	40	
Bis(2-chloroethoxy)methane	1.23	0.25	"	1.67	ND	74	65-115	9	30	
Bis(2-chloroethyl)ether	1.24	0.25	"	1.67	ND	74	60-115	8	35	
Bis(2-chloroisopropyl)ether	1.20	0.25	"	1.67	ND	72	65-115	8	30	
Bis(2-ethylhexyl)phthalate	1.19	0.50	"	1.67	ND	71	65-115	9	30	
4-Bromophenyl phenyl ether	1.14	0.25	"	1.67	ND	68	65-115	9	40	
Butyl benzyl phthalate	1.19	0.25	"	1.67	ND	71	65-115	10	35	
4-Chloroaniline	0.746	0.50	"	1.67	ND	45	30-115	5	40	
2-Chloronaphthalene	1.15	0.25	"	1.67	ND	69	65-115	6	35	
4-Chloro-3-methylphenol	1.22	0.25	"	1.67	ND	73	65-115	9	40	
2-Chlorophenol	1.19	0.25	"	1.67	ND	71	65-115	7	35	
4-Chlorophenyl phenyl ether	1.13	0.25	"	1.67	ND	68	65-115	10	35	
Chrysene	1.06	0.25	"	1.67	ND	63	65-115	13	30	M8
Dibenz (a,h) anthracene	1.07	0.25	"	1.67	ND	64	55-125	11	35	
Dibenzofuran	1.12	0.25	"	1.67	ND	67	65-115	9	30	
Di-n-butyl phthalate	1.26	0.50	"	1.67	ND	75	70-115	10	35	
1,2-Dichlorobenzene	1.07	0.25	"	1.67	ND	64	65-115	7	30	M8
1,3-Dichlorobenzene	1.02	0.25	"	1.67	ND	61	65-115	8	30	M8
1,4-Dichlorobenzene	1.08	0.25	"	1.67	ND	65	65-115	5	30	
2,4-Dichlorophenol	1.18	0.25	"	1.67	ND	71	65-115	8	40	
Diethyl phthalate	1.15	0.25	"	1.67	ND	69	65-115	10	35	
2,4-Dimethylphenol	1.19	0.50	"	1.67	ND	71	50-115	7	25	
Dimethyl phthalate	1.12	0.25	"	1.67	ND	67	60-115	8	35	
4,6-Dinitro-2-methylphenol	1.42	0.50	"	1.67	ND	85	50-115	9	40	
2,4-Dinitrophenol	1.80	0.50	"	1.67	ND	108	15-140	9	40	
2,4-Dinitrotoluene	1.15	0.25	"	1.67	ND	69	60-115	9	40	
2,6-Dinitrotoluene	1.23	0.25	"	1.67	ND	74	65-115	8	35	
Di-n-octyl phthalate	1.32	0.50	"	1.67	ND	79	60-130	9	35	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14032 - EPA 3550B Sonication / EPA 8270C										
Matrix Spike Dup (7C14032-MSD1)	**Source: MQC0393-06**			Prepared: 03/14/07 Analyzed: 03/15/07						
Fluoranthene	1.14	0.25	mg/kg	1.67	ND	68	65-120	10	30	
Fluorene	1.18	0.25	"	1.67	ND	71	65-115	8	30	
Hexachlorobenzene	1.16	0.25	"	1.67	ND	69	45-115	7	40	
Hexachlorobutadiene	1.07	0.25	"	1.67	ND	64	55-115	9	35	
Hexachlorocyclopentadiene	1.12	0.50	"	1.67	ND	67	50-120	8	40	
Hexachloroethane	1.08	0.25	"	1.67	ND	65	65-115	6	30	
Indeno (1,2,3-cd) pyrene	1.17	0.25	"	1.67	ND	70	65-115	10	30	
Isophorone	1.11	0.25	"	1.67	ND	66	60-115	7	30	
2-Methylnaphthalene	1.04	0.25	"	1.67	ND	62	60-115	8	30	
2-Methylphenol	1.22	0.25	"	1.67	ND	73	70-115	7	35	
3 & 4-Methylphenol	1.10	0.25	"	1.67	ND	66	65-115	7	40	
Naphthalene	1.15	0.25	"	1.67	ND	69	65-115	8	35	
2-Nitroaniline	1.20	0.50	"	1.67	ND	72	65-115	9	40	
3-Nitroaniline	0.857	0.50	"	1.67	ND	51	40-115	5	40	
4-Nitroaniline	0.952	0.50	"	1.67	ND	57	50-115	11	35	
Nitrobenzene	1.20	0.25	"	1.67	ND	72	65-115	7	30	
2-Nitrophenol	1.27	0.25	"	1.67	ND	76	65-115	6	35	
4-Nitrophenol	1.23	0.50	"	1.67	ND	74	45-120	12	40	
N-Nitrosodi-n-propylamine	1.21	0.25	"	1.67	ND	72	65-115	6	30	
N-Nitrosodiphenylamine	1.40	0.25	"	1.67	ND	84	75-135	8	40	
Pentachlorophenol	1.06	0.50	"	1.67	ND	63	40-115	10	40	
Phenanthrene	1.17	0.25	"	1.67	ND	70	65-115	9	30	
Phenol	1.19	0.25	"	1.67	ND	71	65-115	6	30	
Pyrene	1.08	0.25	"	1.67	ND	65	65-115	11	30	
1,2,4-Trichlorobenzene	1.10	0.25	"	1.67	ND	66	65-115	7	30	
2,4,5-Trichlorophenol	1.12	0.50	"	1.67	ND	67	65-115	9	40	
2,4,6-Trichlorophenol	1.14	0.25	"	1.67	ND	68	65-115	8	35	
Surrogate: 2-Fluorophenol	*2.23*		"	*3.33*		*67*	*50-120*			
Surrogate: Phenol-d6	*2.35*		"	*3.33*		*71*	*10-150*			
Surrogate: Nitrobenzene-d5	*1.17*		"	*1.67*		*70*	*55-115*			
Surrogate: 2-Fluorobiphenyl	*1.13*		"	*1.67*		*68*	*10-125*			
Surrogate: 2,4,6-Tribromophenol	*2.35*		"	*3.33*		*71*	*45-115*			
Surrogate: p-Terphenyl-d14	*1.06*		"	*1.67*		*63*	*55-120*			

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	Reported:
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C12005 - General Preparation / SM 2540G										
Duplicate (7C12005-DUP1)	**Source: MQC0245-01**			Prepared: 03/09/07 Analyzed: 03/12/07						
Moisture	34.9	0.10	%		34			3	20	
Batch 7C12011 - General Preparation / SM2540G										
Blank (7C12011-BLK1)				Prepared: 03/09/07 Analyzed: 03/12/07						
Total Solids	ND	1.0	%							
Duplicate (7C12011-DUP1)	**Source: MQC0245-01**			Prepared: 03/09/07 Analyzed: 03/12/07						
Total Solids	65.1	1.0	%		66			1	20	

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City of San Jose ESD Lab	Project: Biosolids	MQC0245
4245 Zanker Road, Suite L	Project Number: 2007-02-28-016	**Reported:**
San Jose CA, 95134	Project Manager: Kim Nguyen	03/26/07 13:52

Notes and Definitions

R2	The RPD exceeded the acceptance limit.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
I	Internal Standard recovery was outside of method limits. Matrix interference was confirmed by reanalysis.
A-01	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

Login Batch: 2007-02-28-016

CHAIN OF CUSTODY

3/5/07
Lab Supervisor / Designee

Date Request Printed: **2/28/2007 1:47:58PM**	Send Report To: **Kim Nguyen**
Project ID / Sample Source: **BIOSOLIDS**	
Sample Collector: **CGROVER**	MQC0245

Date & Time Collected	Sample ID	Permit Number/Location	Customer ID	Containers	Analysis	Matrix	Preserved?
3/6/2007 10:00:00AM	LA51730	DB-STOCKPILE 2005B		20 250 ml Glass	Solids, Total Drying Dishes EPA 8260B, Volatile Organics EPA 8270C, Semivolatile Organics EPA 7471A, Hg- Solid-Total EPA 6010B, Metals STLC See Attached Letter	Sludge	Yes

DB-STOCKPILE E
Collection Date: 03/06/2007 17
Collection Time: 10:00:00 AM M

Samp ID: LA51730
Location Desc: Drying Bed Stockpile
Customer ID:
Work Req #: 2007-02-28-016
Bottle - Preservation: @GL-4C
TS
Analyses: $8260B-TESTAMER $8270C-TESTAMER
$METALS-CAM16-TTLC-TESTA HG-SOLID-TTLC-TESTAMER

Comments:

Relinquished by: CGrover	Received by:	Surrendered to Lab: 3/6/2007 10:00:00AM
Signature/Date: CGrover 3/7/7 1130	Signature/Date: 3/7/07 1130	
Released by: 3/7/07 1600	Received by: Andy Medeiros 3-7-07 1600	Expenditure Identifier: 513-Water Pollution Control
Signature/Date:	Signature/Date:	
Released by:	Received By:	Contract Lab: **Sequoia**
Signature/Date:	Signature/Date:	Cost: $ 683.00

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department
California Environmental Laboratory Registration Number 1313

Login Batch ID: 2006-05-04-016

LABORATORY WORK REQUEST

Lab Supervisor / Designee

Date Requested/Submitted:	6-Mar-07	Send Report To:
Project ID/Sample Source:NPDES	Authorized by:R. Wandro	K. Nguyen
Sample Collector: CG	Originator:CG	MQC0245

Date & Time Collected	Sample ID	Sample Description	Customer ID	Containers	Analysis Requested	Preservation
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	EPA 8260B	4 deg C
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	EPA 8270C	4 deg C
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	TS	4 deg C
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	Hg	4 deg C
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	TTLC Metals	4 deg C
6-Mar-07	LA #	Biosolids, Semi-Annual		20 Grabs	STLC Metals	4 deg C

Relinquished by: CG	9-7/2006 @ 11:00	Received by: CG	6-Mar-07
Signature/Date:		Signature/Date:	
Released by:		Received By:	
Signature/Date:		Signature/Date:	

Expenditure Code: 513WPC

Analyzed in-house: ☐

Contract Lab: Test America

Cost: $855

\Suport\2006Data\Copy of Semi-anual.Biosolids.1

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: City of San Jose
REC. BY (PRINT) Andy Medinos
WORKORDER: MQC0245

DATE REC'D AT LAB: 3-7-07
TIME REC'D AT LAB: 1600
DATE LOGGED IN: 3/8/07

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: Airbill / Sticker Present / (Absent)								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. **Does information on chain-of-custody, traffic reports and sample labels agree?** (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper preservatives used? (Yes) / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / (No*)								
14. Read Temp: 5.0°C Corrected Temp: 5.0°C Is corrected temp 4 +/-2°C? (Yes) / No** (Acceptance range for samples requiring thermal pres.) **Exception (if any): METALS / DFF ON ICE or Problem COC								

3-7-07 A.M. Sal COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

2007 PCS Data Entry Form

POTW Name: **San Jose/Santa Clara Water Pollution Control Plant** **NPDES Permit Number:** **CA0037842**

Period Covered By this Report: **01/01/07 (PSSD)** **Start Date** **12/31/07 (PSED)** **End Date**

Number of SIUs in Significant Non-Compliance (SNC) that are on a Pretreatment Compliance Schedule:	0	(SSNC)
Number of Notices of Violation and Administrative Orders Issued Against Significant Industrial Users:	40	(FENF)
Number of Civil & Criminal Judicial Actions Against Significant Industrial Users:	0	(JUDI)
Number of Significant Industrial Users with Significant Violations Published:	3	(SVPU)
Number of Industrial Users From Which Penalties Have Been Collected	17	(IUPN)

PCS DATA ENTRY FORM

Documentation of Figures

- Number of NVs and Admin. Orders issued. The Enforcement Summary for SIUs Table, in the Compliance Activities section, shows 40 NVs issued. There were no Admin. Orders issued.
- The Public Participation Summary section lists companies that were published, which had significant violations.
- The number of IUs from which penalties were collected was calculated as follows; 12 IUs had Administrative Citations issued and 5 IUs had surcharges applied.

Other Subjects

Variety Metals Finishing

In response to elevated influent and effluent cyanide concentrations, the San José/Santa Clara Water Pollution Control Treatment Plant (Plant), the City of San José (City) initiated an anomalous cyanide event surveillance monitoring program in December of 2004. Through Industrial User (IU) inventory research, Variety Metals Finishing was identified as one of the cyanide bearing industries to be included in the surveillance monitoring program. Subsequent laboratory results from samples collected from the sewer main downstream of Variety Metals Finishing contained high concentrations of heavy metals and cyanide. This prompted further investigation activities, and a nighttime inspection found Variety Metals Finishing bypassing their waste treatment system and sample point. Evidence and data collected from the investigation was then referred to both the City Attorneys' Office and the Office of the Santa Clara District Attorney for enforcement action. An increased monitoring frequency including sampling in the street was implemented resulting in approximately 1,500 samples collected, 35 inspections conducted, and over 3,600 staff hours invested in this investigation. On September 14, 2007, a settlement that includes civil penalties, cost recovery, and a mechanism for ensuring future violations do not occur was placed on the record before the Santa Clara County Superior Court. Final details of the settlement will be included in the 2008 Annual Report.

Process Stainless Steel

During the final phases of the anomalous cyanide event surveillance sampling program initiated in 2004, the City found elevated levels of pollutants discharging from Process Stainless Lab, Inc., located at 1280 Memorex Drive, Santa Clara, while performing upstream sampling for another IU located along Memorex Drive. Therefore, the City included Process Stainless Lab, Inc. in the last quarter of the 2006 surveillance monitoring program. Analysis of further upstream and downstream monitoring resulted in the City identifying Process Stainless Lab, Inc. as the source of high copper, chromium, nickel and zinc levels found in the sanitary sewer along Memorex Drive. In addition, further investigations determined that Process Stainless Lab, Inc. was bypassing the sample point and discharging acid waste neutralization system sludge directly to the sanitary sewer.

On January 18, 2007, the City had a compliance meeting with Process Stainless Lab, Inc. Process Stainless Lab, Inc., in addition to removing the bypass, was required to complete the following items by March 30, 2007:

- Batch discharge all of their industrial waste to the sanitary sewer after inspector approval,
- Sample each batch for chromium, lead, nickel, silver, zinc, and pH,
- Hire a professional engineer to evaluate the process and treatment systems and submit a report documenting results,

- Clean the sanitary sewer lateral, and
- Repair and calibrate pH probes.

The City also issued 24 Notices of Violations to Process Stainless Lab, Inc. for violations from September 6 to December 1, 2006. Since Process Stainless Lab, Inc. is located in Santa Clara, the facility is required to pay a sanitary sewer service surcharge of 1000% for one year from the last Notice of Violation issue date. Since becoming aware of the violation Process Stainless Lab Inc. has remained in compliance as of this writing.

On April 10, 2007, the Environmental Protection Agency (EPA) inspected Process Stainless Lab, Inc. Based on this inspection, EPA determined that Process Stainless Lab, Inc. needed to be permitted as a 433 Categorical Industrial User (CIU). Process Stainless Lab, Inc. has been re-permitted as a 433.17 Subpart A CIUs.

Surveillance Monitoring Program

The early 2007 surveillance program focused on finishing 2006 investigations such as for Variety Metals Finishing. The 2006 surveillance monitoring program targeted cyanide, and surveillance monitoring appears to have successfully diminished cyanide peaking events.

On March 13, 2007, the Plant detected 42.9 ppb nickel in the influent. Although the Plant was able to remove 70% of the detected sample result and therefore stay well below the Plant's NPDES nickel limit of 25 ppb, this level was twice the average influent loading for nickel and the sample result was identified as an anomalous event for nickel in the Plant's influent. Therefore, according to the Surveillance Response Guidelines, this triggered an Anomalous Event Surveillance Program Response for nickel.

The 2007 Surveillance Monitoring Program targeted six facilities in addition to the continued sampling for Variety Metals. Another two facilities will also be sampled in 2008. The City identified these facilities based on the pollutant loading, compliance history, categorical determination, informants, and the adequacy of IU's pretreatment system. All eight companies have metal finishing in their processes, and the list comprised of six CFR-433 facilities and two closing or process changing CFR-413 facilities. One monitoring site has been identified for high levels of copper and nickel, and the case is being reviewed with the District Attorney's Office.

Other Investigations

There were three instances of reported incidents in sewer lines that were investigated in 2007.

- On June 4, 2007, the City received a report of a whitish colored substance flowing into a sanitary sewer pump station located at Lafayette Street, Santa Clara north of State Road 237. A thick viscous cream-colored scum layer was observed floating on the surface of the water flowing into the pump station with a particular foul odor. Digital photos were taken and samples were collected. The source of the material appeared to be approximately 500 gallons of restaurant or commercial kitchen grease. After consultation with the Plant, the City of Santa Clara Utility Crew Supervisor allowed the material to be pumped to the Plant.

- On October 2, 2007, there was a fire at ECS Refining at 705 Reed Street in Santa Clara. City staff investigated the fire since ECS Refining is an auto dismantler and a permitted non-significant industrial user. The fire was contained in the facilities yard on a portion of the site where there was no auto dismantling activities and no structural damage. All 10,000 gallons of firewater were captured, treated, and hauled off site. There was no discharge to the sanitary sewer.
- On December 10, 2007, staff responded to an illegal discharge/illicit connection complaint from the City of San José Department of Transportation (DOT) about a sanitary sewer overflow from a manhole located at a facility called Granite Rock located at 11711 Berryessa Road, San José. City staff investigated and found that sanitary sewer overflow was most likely a result of grease from San Jose Tallow, a permitted non-significant industrial user. The DOT sewer crews cleared the impacted sanitary sewer lines. On December 17, 2007, a compliance meeting was held with San Jose Tallow. San Jose Tallow will be required to provide a detailed report describing what caused the violation, clean out the remaining sanitary sewer lines, and monitor oil and grease monthly for six months. Further enforcement actions are pending as of this writing.

Inspector Training

The City contracted Environmental Engineering and Contracting, Inc. (EEC, Inc.) from Santa Ana, California to provide a comprehensive Pretreatment Training Program to City Environmental Enforcement staff as well as train-the-trainer materials for City staff to conduct future trainings for new staff. The training consists of 31 modules that delve into all aspects of a model Pretreatment Program. In 2007, Environmental Enforcement Staff completed training on 20 of 31 modules. The following is a list of the modules completed in 2007:

- Pre-inspection Preparation,
- Inspecting IUs,
- Explaining Requirements,
- Questioning Facility Personnel,
- Process Waste Stream Characterization,
- Evaluation of Process Waste Stream,
- Waste Stream Treatment System Evaluation,
- Review Facility On-site records,
- Investigative Report Writing,
- Inspection Follow-up,
- Industrial Wastewater Permit Issuance,
- 403 Requirements Permitting IUs,
- Flow Classification and Limit Determination,

- Slug Plans, TOMPs, TTO Record Keeping Requirements,
- Jar testing and Dosage Math,
- Sampling,
- Samplers and Sampling Procedures,
- PH meters,
- Flow meters, and
- Chain of custody review.

Other Training

City staff also attended the following conferences:

- February 26-28, 2007 California Water Environment Association P3S Conference, Napa California
- November 11-14, 2007 National Association of Clean Water Agencies National Pretreatment & Pollution Prevention Conference, Denver, Colorado
- October 12-17, 2007 Water Environmental Federation Technical Exhibition and Conference (WEFTEC), San Diego, California

Septic Haulers Monitoring Program

To protect the Plant, septic samples are collected from every load delivered to the Plant. One in five random samples are then selected for analysis. The results from these analyses are then screened for any abnormal values. Follow-up inspections are done on those samples that show above normal results. In 2007, 765 samples were analyzed. None of the results prompted any follow up actions.

Plan Check Program

To protect the collection system, and ultimately the Plant, from oil and grease and other pollutant, new businesses, primarily food related (restaurants, fast food, groceries, etc.), must have their plans reviewed and stamped by the City's Environmental Services Department. This includes the sizing of grease removal devices and in some cases additional pretreatment equipment and the implementation of best management practices. In 2007, 256 plan checks were performed. Of these plan checks, 209 were food services facilities, and 47 were other types of facilities, including industrial dischargers.

Temporary Discharge Permit Program

Temporary discharge permits are issued primarily for groundwater or construction water associated with clean up or dewatering construction projects. Applicants must submit flow documentation, along with an analysis of water to be discharged. There were 19 temporary discharge permits issued in 2007.

Discharger Identification Program

There are several methods for identifying potential IUs. These methods include review of new business licenses, search of the yellow pages of the phonebook, information provided by inspectors during routine inspections, plan checks for new industries, and referrals from other agencies. Once potential IUs are identified, staff inspect or follow-up with a phone call to each one. During 2007, 95 potential IUs were identified and investigated.

Zero Discharge Permit Program

If a potential IU has no discharge, but does perform a categorical operation, the IU is required to submit a "Zero Discharge Certificate" which is placed in the zero discharge files along with all related inspection reports. These companies are inspected a minimum of twice per year and re-certified twice per year. In 2007, 46 inspections were performed and 46 certificates were received. One zero discharge facility closed and one opened in 2007.

On December 4, the City of San José City Council adopted Ordinance Number 28179 approving changes to Chapter 15.14 of the Municipal Code that apply to the regulation of industrial waste discharge, including the establishment of permitting of Zero Discharge Categorical Users. The Ordinance was effective January 4, 2008. Zero Discharge Categorical Users in San José are required to apply for an Industrial Wastewater Zero Discharge Categorical Industrial User Permit. Other tributary agencies' ordinances will be updated in 2008. The 2008 Semiannual and the Annual Reports will include more details on the implementation of this new permitting program.

Industrial User Academy

On April 19, 2007, the City held its annual Industrial User Academy (Academy). The Academy is a workshop designed to assist the IUs in understanding their permit and sampling requirements and how to maintain compliance. Inspectors present the different workshop modules, providing the IUs in the field experience and knowledge. Attending were 27 participants from 17 different IUs and according to the brief survey on the workshop, they all came away with more knowledge and a better understanding of their permit requirements after attending the Academy.

Restaurant Inspections

There were 33 cases related to grease and odor complaints received from sewer crews and the public in the tributary area in 2007. In all reported cases at least one food service facility in the area was identified as a probable cause. Some of these cases involved multiple restaurants, which required multiple inspections. If violations were found the facility was given ten days to correct the violations and then a follow-up inspection was scheduled to verify that the violation was corrected. Corrective actions include installation or repair of grease removal devices, increased frequency of maintenance on grease removal devices, or institution of best management practices. Inspectors in the FOG program completed these investigations. This section is in its sixth year of an inspection program to inspect all restaurants in the City. These

restaurants are being placed on a re-inspection schedule ranging from annually to once every three years. The City is in the process of evaluating expanding this program to the tributary area.

Tributary Tribune

The Tributary Tribune is a publication targeted specifically for the Plant's IUs. This year's three issues include articles that inform IUs about the following:

- Avoiding significant non-compliance,
- Preventing pH violations,
- Northern California CWEA's Facility of the Year winner in the small Industry Category (Prodigy Surface Tech, Inc.),
- New local limits for IUs,
- Santa Clara Valley Water District's Free Water Surveys for Businesses,
- Publication of the Guidelines for Efficient Water Use,
- City's new storm water website, and
- September 29, 2007 and November 3, 2007 "Wonders of our Water Works" Plant tour.

In addition, each publication includes articles such as "Ask the Inspector" where common permitting and sampling questions are answered. There is also a "Watershed Workforce" section that highlights a different City Environmental Inspector staff member each issue.

2007 Annual Industrial User Pretreatment Compliance Report

2007 Second Semi-Annual Industrial User Violation Report

- Influent, Effluent and Sludge Monitoring
- Industrial User Compliance Status
- POTW's Compliance with Pretreatment Program Requirements

"This report was submitted electronically under a separate cover"

Clean Bay Strategy

- Annual Pollution Prevention Report
- South Bay Action Plan

“This report was submitted electronically under a separate cover”