CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

Environmental Services

2006
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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2006
ANNUAL INDUSTRIAL USER PRETREATMENT COMPLIANCE REPORT

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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

February 28, 2007

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
2006 Annual and Second Semiannual Industrial User
Pretreatment Compliance Reports and Clean Bay Strategy Update
NPDES Permit No. CA-0037842

Dear Mr. Wolfe:

Enclosed are the following reports: the 2006 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 Jose (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 1.3 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, 2006 to December 31, 2006. The CBS report is structured into two distinct sections:

- the South Bay Action Plan, the 2006 Action Plan Workplan, and the Contingency Plan
- the Annual Pollution Prevention Report (PPR)

The PPR summary includes pollutant priorities, sources of pollutants, pollution prevention progress, and plans for the next year.

200 E. Santa Clara Street, 10th Floor, San José, CA 95113-1905 *tel* (408) 535-8550 *fax* (408) 292-6212
www.sanjoseca.gov

Since 1994, the City has managed its pollution prevention program using the CBS, which defines the policies and principles of watershed management from the City's perspective. The guiding principles for the City's strategy are:

- Holistic approach to environmental restoration.
- Regulatory certainty for the City and industrial dischargers.
- Sound science and data collection as a basis for adaptive management decisions.
- Environmental equity.
- Stakeholder involvement and education.
- Cost-effective environmental protection.

The City believes that a successful watershed management program must integrate wastewater and urban stormwater programs, land use, and transportation planning, into a comprehensive plan to identify the most cost-effective and environmentally beneficial programs. Central to the City's watershed approach is the acknowledgement of benefits that can be provided by the Plant's effluent, such as recycled water uses and habitat improvements.

During the Plant's 2006 dry weather season (May-October), the Plant's average dry weather effluent flow (ADWEF) was 102 million gallons per day (mgd) well below the 120 mgd ADWEF trigger for the ninth consecutive year. Low dry weather flows are the result of the City's successful conservation and recycling programs, coupled with a sluggish economy. In order to maintain low flows below the trigger after the economy improves, the City continues to expand the use of the South Bay Water Recycling Program and continues to promote water conservation. 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 30, 2007, 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 2006. 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 2006 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 2006, the Plant was monitoring 330 industries, of which 156 were Significant Industrial Users, and 174 were Non-Categorical Industries discharging under 25,000 gallons per day. Of the 156 Significant Industrial Users, 140 were Categorical Industrial Users and the remaining 16 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 2006		4th Quarter 2006	
Category	**Federal**	**Local**	**Federal**	**Local**
Consistent compliance	96.20%	89.87%	96.86%	91.19%
Inconsistent compliance	2.53%	9.49%	2.52%	7.55%
Significant Non-compliance	1.27%	0.63%	0.63%	1.26%

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 John Mukhar, Senior Engineer, at (408) 277-5696.

Sincerely,

JOHN STUFFLEBEAN
Director

Attachments

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

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2006 Annual Industrial User Pretreatment Compliance Report

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

COVER SHEET

Report Date February 28, 2007

2006 ANNUAL PRETREATMENT REPORT

Period Covered by This Report From 01/01/2006 to 12/31/2006

Period Covered by Previous Report From 01/01/2005 to 12/31/2005

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: John Mukhar
Title: Senior Engineer
Mailing Address: 170 W. San Carlos Street
San Jose, CA 95113
Telephone Number: (408) 945-3000

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.

JOHN STUFFLEBEAN
Director
Environmental Services Department

2-23-07
Date

INTRODUCTION

BACKGROUND

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

The Plant serves a population of over 1.3 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 Jose, 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 Regional Board certified the Plant capacity at 167 MGD. With a replacement value of approximately $853 million, 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 2006 Average Dry Weather Effluent Flow (ADWEF) was 102 MGD, well below the 120 MGD flow trigger for the ninth consecutive year.

The Regional Board adopted the Plant's current National Pollutant Discharge Elimination System (NPDES) 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 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. 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 which 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 time lines 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 forty- five (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 Stormwater 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:

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

- 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.

- 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).

- 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.)

- 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.
- 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.

- 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.

- Failure to accurately report noncompliance.

- 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.

DISCUSSION OF UPSET, INTERFERENCE, AND PASS-THROUGH INCIDENTS

During 2006, 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.

2006 Annual Report

Influent, Effluent and Sludge Monitoring Results

Summary of 2006 Monitoring Results

Appendix I presents the 2006 pretreatment program monitoring results in tabular form. Appendix II presents graphical representations of influent and effluent metals monitoring data for the past five years (2002-2006).

The concentrations of metals and organics were all below NPDES permit limits during the period of construction at the San Jose/Santa Clara Water Pollution Control Plant (Plant). The City of San Jose was granted approval from the Regional Water Quality Control Board for a temporary bypass of the filtration facilities at the Plant to enable the tie-in to a new headworks infrastructure that was under construction. The Filter Bypass Project operation was initiated on October 18, 2006 and continued until November 20, 2006. During this period, both organics and metal concentrations were measured and only mercury and copper had elevated concentrations although the concentrations were below NPDES permit limits. The organics were below NPDES permit limits and below the method reporting limits. The concentrations of 4,4'-DDE, dieldrin, heptachlor epoxide, benzo(b)fluoranthene, and indeno(1,2,3-cd)pryene were less than 0.010, 0.010, 0.010, 0.30, and 0.05 ug/L, respectively, for the October 24, 2006 sampling.

Discussion of 2006 Influent Monitoring Results

The following organic priority pollutants were detected in the influent during 2006:

Bis(2-ethylhexyl)phthalate is a common plasticizer for polymeric materials (plastic pipe). Bis(2-ethyl-hexyl)phthalate is used primarily as a plastisizer during polyvinyl chloride and polymer production and is likely released into wastewater during water contact with plastic materials. **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. **1,4-Dichlorobenzene** is used as a solvent; as an insecticide for termites; as a fumigant; as a degreasing agent for metals; and as an intermediate in dye manufacturing. **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. **Tetrachloroethene** is used for dry cleaning purposes, for degreasing metals, and as a solvent. Wastewater can occur from industrial and commercial applications primarily related to cleaning operations. **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 2006 Effluent Monitoring Results

The following organic priority pollutants were detected in the effluent during 2006:

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. **1,4-Dichlorobenzene** is used as a solvent; as an insecticide for termites; as a fumigant; as a degreasing agent for metals; and as an intermediate in dye manufacturing. **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 discharged by this facility. All priority pollutant metals detected in the effluent were below NPDES permit limitations.

Discussion of 2006 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 2006.

No priority pollutant organics were detected in amounts that would adversely affect 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 and Effluent Trends

Influent

- Arsenic concentrations are somewhat variable, with a mean of 2.28 ug/L, a median of 2.15 ug/L, and a standard deviation of 0.73 ug/L. There is a slight upward trend in the arsenic concentrations for 2005 and 2006.

- Cadmium concentrations have remained relatively constant, with a mean of 0.56 ug/L, a median of 0.40 ug/L, and a standard deviation of 0.58 ug/L. The apparently high standard deviation is the result of uncharacteristically high concentrations measured in late May 2005.

- Chromium concentrations have remained relatively constant, with a mean of 7.61 ug/L, a median of 7.10 ug/L, and a standard deviation of 3.30 ug/L. The apparently high standard

deviation is the result of two high concentrations measured in February 2004 and April 2005.

- Copper concentrations are somewhat variable, with a mean of 101.9 ug/L, a median of 96.3 ug/L, and a standard deviation of 25.84 ug/L. Influent concentrations typically lie between 50 ug/L and 150 ug/L.

- Lead concentrations are somewhat variable, with a mean of 6.29 ug/L, a median of 5.40 ug/L, and a standard deviation of 3.73 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 12.24 ug/L, a median of 12.50 ug/L, and a standard deviation of 4.34 ug/L. The apparently high standard deviation is the result of two high concentrations measured in July and November 2005.

- Selenium concentrations are somewhat variable, with a mean of 2.04 ug/L, a median of 1.93 ug/L, and a standard deviation of 0.74 ug/L. Selenium concentrations typically range between 1 ug/L and 3 ug/L.

- Silver concentrations are somewhat variable, with a mean of 2.47 ug/L, a median of 2.10 ug/L, and a standard deviation of 1.80 ug/L. The high standard deviation is the result of four high measurements during the past five years.

- Zinc concentrations are somewhat variable and have decreased significantly, with a mean of 221.20 ug/L, a median of 182.00 ug/L, and a standard deviation of 93.30 ug/L.

Effluent

- Arsenic concentrations are somewhat variable, with a mean of 1.07 ug/L, a median of 1.10 ug/L, and a standard deviation of 0.35 ug/L. There is a slight upward trend in the arsenic concentrations in 2005 and 2006.

- Cadmium concentrations are all below the limit of detection (<0.5 ug/L & <0.1 ug/L).

- Chromium concentrations are somewhat variable, with a mean of 0.78 ug/L, a median of 0.60 ug/L, and a standard deviation of 0.51 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 3.04 ug/L, a median of 2.70 ug/L, and a standard deviation of 1.06 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 1.69 ug/L, a median of 1.00 g/L, and a standard deviation of 2.64. 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 3.82 pg/L, a median of 2.38 pg/L, and a standard deviation of 3.19 pg/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 6.07 ug/L, a median of 6.00 ug/L, and a standard deviation of 1.10 ug/L.

- Selenium concentrations are somewhat variable (seasonal), with a mean of 0.48 ug/L, a median of 0.43 ug/L, and a standard deviation of 0.16 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 50.99 ug/L, a median of 52.00 ug/L, and a standard deviation of 14.35 ug/L.

Appendix I

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
1/2/2002	1.5	0.9	<0.5	<0.5	6.2	<0.5	92.3	3.2	5	<1	0.415	<0.002	11	4	1.48	0.456	3.1	<0.2	297	33
1/8/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	78.0	3.4	n.a.	n.a.	n.a.	n.a.	14	6	n.a.	n.a.	n.a.	n.a.	345	42
1/15/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	81.4	4.0	n.a.	n.a.	n.a.	n.a.	13	5	n.a.	n.a.	n.a.	n.a.	315	55
1/22/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	64.9	2.9	n.a.	n.a.	n.a.	n.a.	10	5	n.a.	n.a.	n.a.	n.a.	254	57
1/29/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	81.0	3.7	n.a.	n.a.	n.a.	n.a.	15	7	n.a.	n.a.	n.a.	n.a.	299	81
2/5/2002	1.9	0.9	<0.5	<0.5	4.9	0.6	80.5	5.2	3	<1	0.349	0.003	13	6	2.08	0.643	1.8	<0.2	281	51
2/12/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	65.1	4.9	n.a.	n.a.	n.a.	n.a.	11	5	n.a.	n.a.	n.a.	n.a.	380	58
2/19/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	93.6	3.9	n.a.	n.a.	n.a.	n.a.	19	6	n.a.	n.a.	n.a.	n.a.	409	60
2/26/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	96.3	4.1	n.a.	n.a.	n.a.	n.a.	23	6	n.a.	n.a.	n.a.	n.a.	401	54
3/5/2002	3.0	1.1	<0.5	<0.5	10.4	0.6	144	4.1	6	<1	0.118	<0.002	15	6	1.1	0.811	4	<0.2	543	57
3/12/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	93.7	4.2	n.a.	n.a.	n.a.	n.a.	20	6	n.a.	n.a.	n.a.	n.a.	346	57
3/19/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	88.4	5.4	n.a.	n.a.	n.a.	n.a.	15	5	n.a.	n.a.	n.a.	n.a.	343	46
3/26/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	123	4.0	n.a.	n.a.	n.a.	n.a.	18	6	n.a.	n.a.	n.a.	n.a.	312	50
4/2/2002	3.0	0.8	<0.5	<0.5	5.3	0.6	114	3.7	8	<1	0.197	0.003	13	7	4.67	0.57	3.5	<0.2	291	42
4/9/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	79.6	3.0	n.a.	n.a.	n.a.	n.a.	14	5	n.a.	n.a.	n.a.	n.a.	283	52
4/16/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	120	3.3	n.a.	n.a.	n.a.	n.a.	17	6	n.a.	n.a.	n.a.	n.a.	317	45
4/23/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	65.7	4.0	n.a.	n.a.	n.a.	n.a.	9	4	n.a.	n.a.	n.a.	n.a.	261	42
4/30/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	125	3.9	n.a.	n.a.	n.a.	n.a.	15	6	n.a.	n.a.	n.a.	n.a.	354	44
5/7/2002	3.1	0.7	<0.5	<0.5	5.4	<0.5	96.3	3.4	6	<1	0.415	0.002	13	6	2.21	0.635	5	0.2	304	51
5/14/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	93.0	4.6	n.a.	n.a.	n.a.	n.a.	14	6	n.a.	n.a.	n.a.	n.a.	381	78
5/21/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	85.4	2.7	n.a.	n.a.	n.a.	n.a.	14	7	n.a.	n.a.	n.a.	n.a.	290	57
5/28/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	83.5	2.5	n.a.	n.a.	n.a.	n.a.	9	5	n.a.	n.a.	n.a.	n.a.	318	61
6/4/2002	2.7	1.2	<0.5	<0.5	5.7	<0.5	128	2.1	5	<1	0.294	0.002	12	4	1.6	0.485	3.4	<0.2	265	39
6/11/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	83.8	2.0	n.a.	n.a.	n.a.	n.a.	13	6	n.a.	n.a.	n.a.	n.a.	280	45
6/18/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	79.8	2.3	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	285	52
6/25/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	117	3.3	n.a.	n.a.	n.a.	n.a.	16	6	n.a.	n.a.	n.a.	n.a.	313	52
7/1/2002	2.6	1.1	<0.5	<0.5	4.6	<0.5	75.5	2.5	4	<1	n.a.	n.a.	9	5	1.68	0.375	2.7	<0.2	356	55
7/2/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.374	<0.002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7/9/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	99.9	2.4	n.a.	n.a.	n.a.	n.a.	13	5	n.a.	n.a.	n.a.	n.a.	460	64
7/16/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	85.6	2.2	n.a.	n.a.	n.a.	n.a.	15	7	n.a.	n.a.	n.a.	n.a.	328	51
7/23/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	87.3	2.1	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	372	72
7/30/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	90.4	2.5	n.a.	n.a.	n.a.	n.a.	14	5	n.a.	n.a.	n.a.	n.a.	493	64
8/6/2002	4.8	1.3	0.7	<0.5	8.8	<0.5	122	2.4	7	<1	0.272	<0.002	14	5	1.45	0.32	2.3	<0.2	529	79
8/13/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	60.6	2.4	n.a.	n.a.	n.a.	n.a.	10	5	n.a.	n.a.	n.a.	n.a.	315	47
8/20/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	73.7	2.2	n.a.	n.a.	n.a.	n.a.	11	6	n.a.	n.a.	n.a.	n.a.	299	59
8/27/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	85.6	2.0	n.a.	n.a.	n.a.	n.a.	11	5	n.a.	n.a.	n.a.	n.a.	340	76
9/3/2002	2.2	1	<0.5	<0.5	7.1	0.6	156	2.2	6	<1	0.250	<0.002	14	4	1.63	0.344	2.1	<0.2	387	40
9/10/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	89.4	2.3	n.a.	n.a.	n.a.	n.a.	15	8	n.a.	n.a.	n.a.	n.a.	370	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
9/17/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	122	2.6	n.a.	n.a.	n.a.	n.a.	17	6	n.a.	n.a.	n.a.	n.a.	356	58
9/24/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	76.6	1.2	n.a.	n.a.	n.a.	n.a.	20	8	n.a.	n.a.	n.a.	n.a.	379	52
10/1/2002	2.8	1.3	<0.5	<0.5	7	<0.5	146	1.6	6	<1	0.495	<0.002	19	6	2.39	0.361	4	<0.2	445	55
10/8/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	84.6	1.4	n.a.	n.a.	n.a.	n.a.	13	5	n.a.	n.a.	n.a.	n.a.	390	43
10/15/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	83.8	2.5	n.a.	n.a.	n.a.	n.a.	13	7	n.a.	n.a.	n.a.	n.a.	383	47
10/22/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	80.3	3.7	n.a.	n.a.	n.a.	n.a.	12	6	n.a.	n.a.	n.a.	n.a.	366	48
10/29/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	87.6	2.7	n.a.	n.a.	n.a.	n.a.	11	5	n.a.	n.a.	n.a.	n.a.	324	61
11/5/2002	3.3	1.2	<0.5	<0.5	8.2	0.6	82.9	3.9	5	<1	0.46	0.003	15	6	4.04	0.398	3.2	<0.2	437	68
11/12/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	67.8	3.6	n.a.	n.a.	n.a.	n.a.	8	5	n.a.	n.a.	n.a.	n.a.	389	62
11/19/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	93.5	3.1	n.a.	n.a.	n.a.	n.a.	12	5	n.a.	n.a.	n.a.	n.a.	313	49
11/26/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	98.3	2.2	n.a.	n.a.	n.a.	n.a.	10	5	n.a.	n.a.	n.a.	n.a.	348	73
12/3/2002	2.7	1.5	0.5	<0.5	7.4	0.6	122	4.0	8	<1	0.26	0.003	32	6	1.74	0.465	16.4	<0.2	421	65
12/10/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	80.8	2.3	n.a.	n.a.	n.a.	n.a.	13	6	n.a.	n.a.	n.a.	n.a.	366	64
12/17/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	78.8	1.7	n.a.	n.a.	n.a.	n.a.	14	5	n.a.	n.a.	n.a.	n.a.	318	52
12/25/2002	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	63.9	4.4	n.a.	n.a.	n.a.	n.a.	8	5	n.a.	n.a.	n.a.	n.a.	382	61
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

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
6/17/2003	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
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.

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
3/2/2004	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.
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

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
11/16/2004	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	81	2.6	n.a.	n.a.	n.a.	n.a.	11	n.a.	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
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.

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
3/5/2005	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.
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.

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
4/12/2005	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.
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.

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
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.
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.

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
6/27/2005	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.
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.

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
8/4/2005	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.
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.

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
9/11/2005	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.
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.

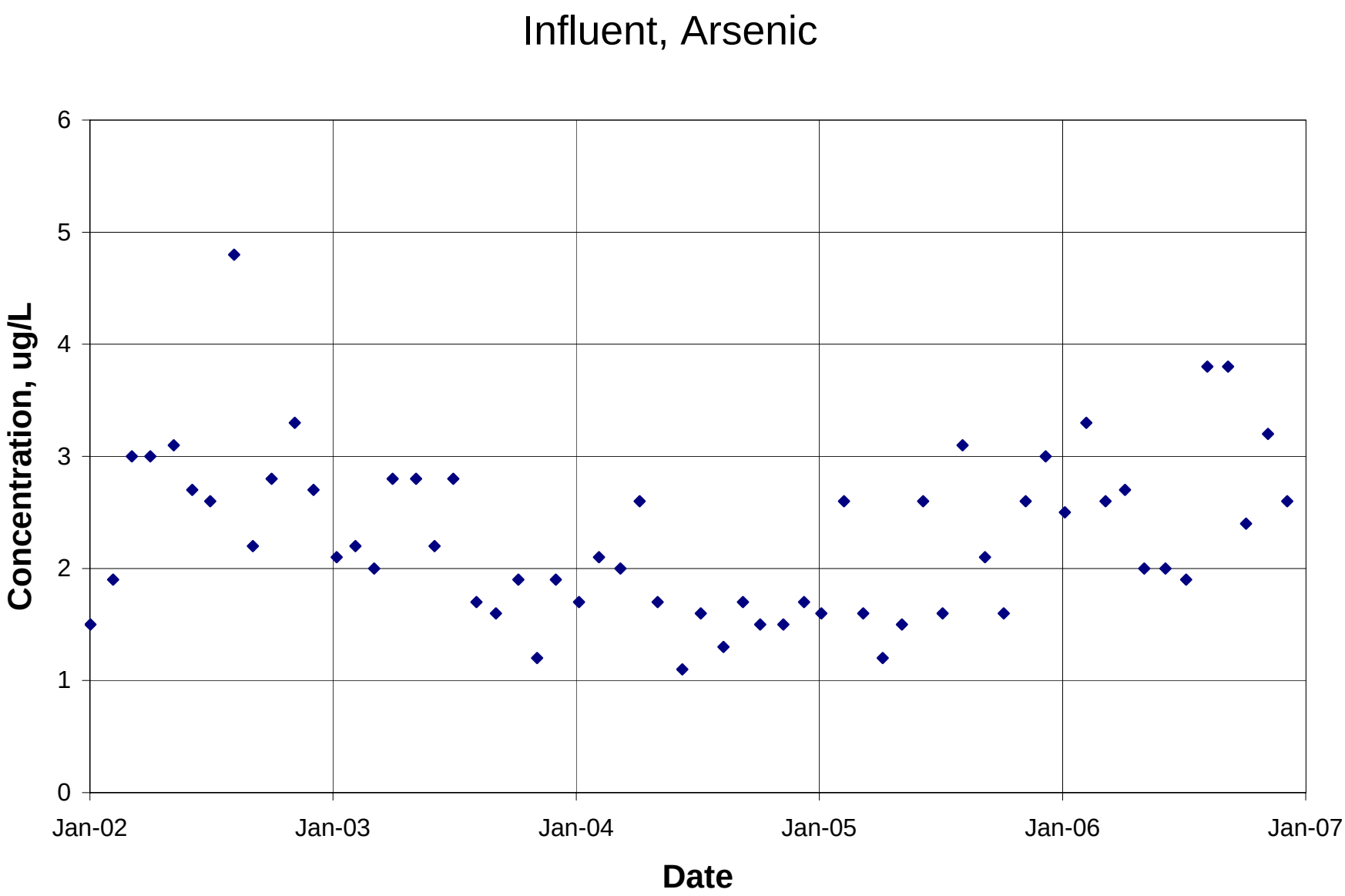
DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	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
10/19/2005	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.
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.

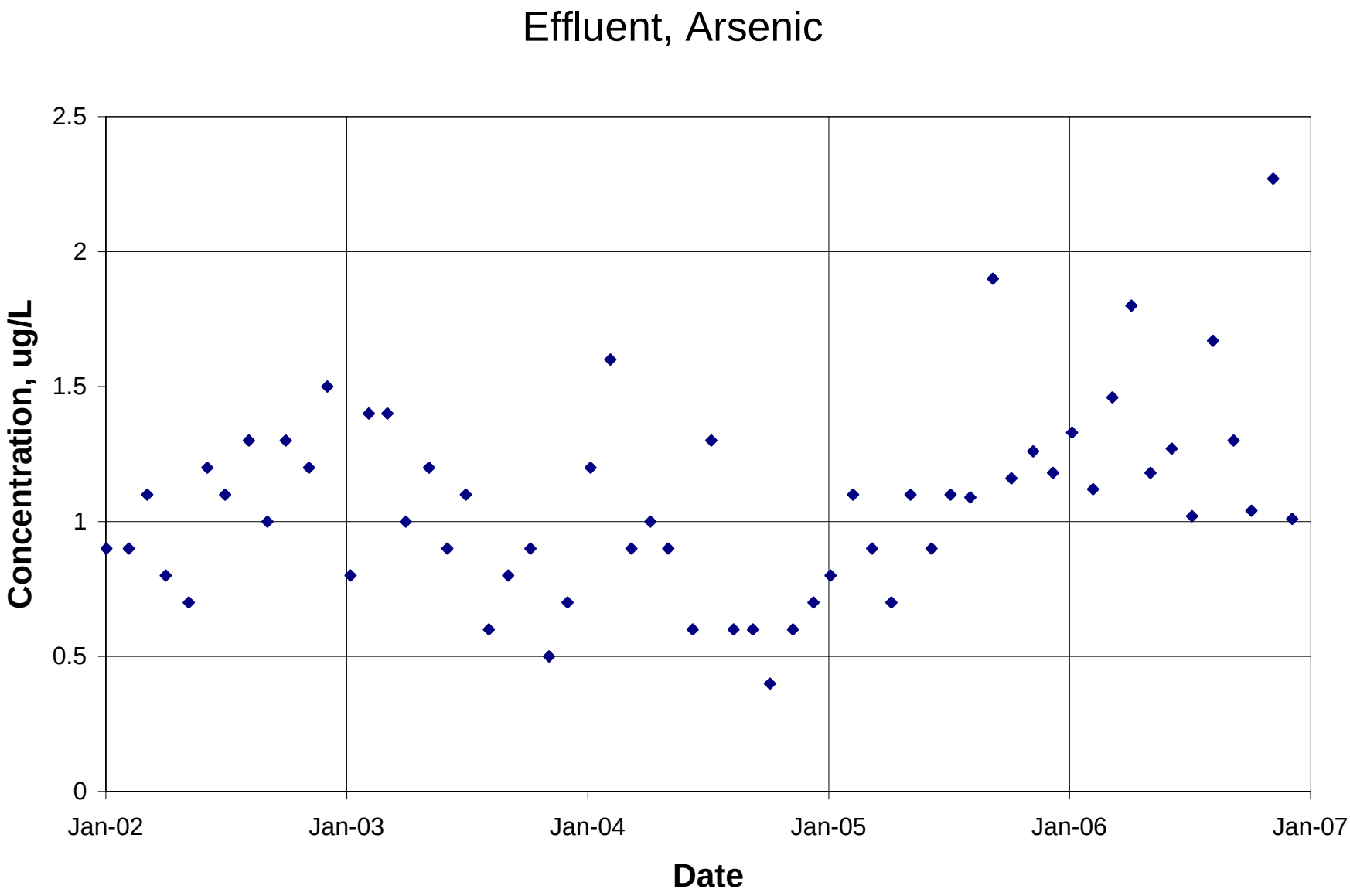
DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	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
11/26/2005	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.	3.0	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.	2.0	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.	1.0	n.a.	178	n.a.
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.	6.0	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.	8.0	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.	12.0	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.	14.0	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.	13.0	n.a.	n.a.	n.a.	1.7	n.a.	171	n.a.
12/19/2005	n.a.	n.a.	0.4	n.a.	10.0	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.	4.0	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.	6.0	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.	93.0	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.	2.0	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

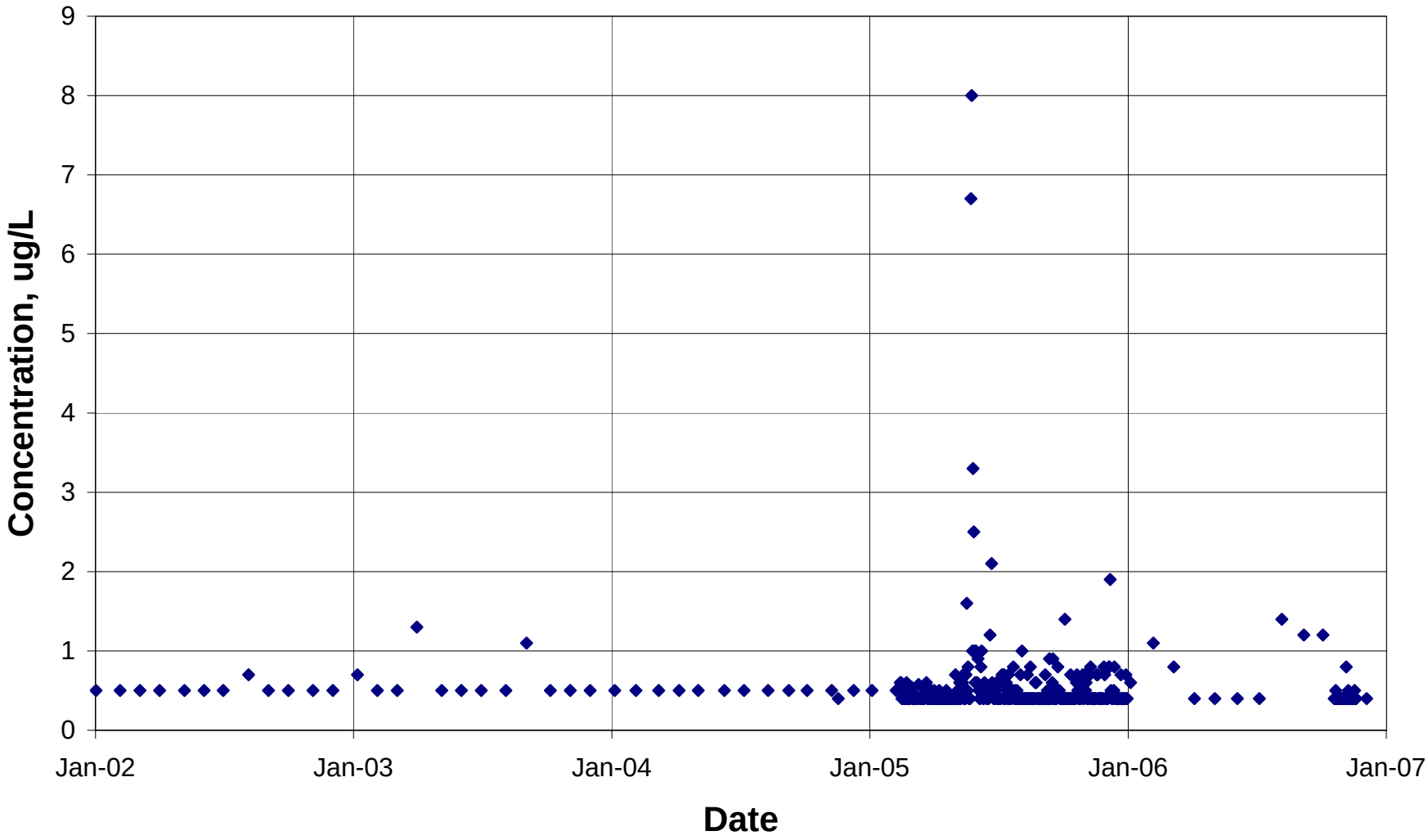
DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	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
3/7/2006	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.
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.

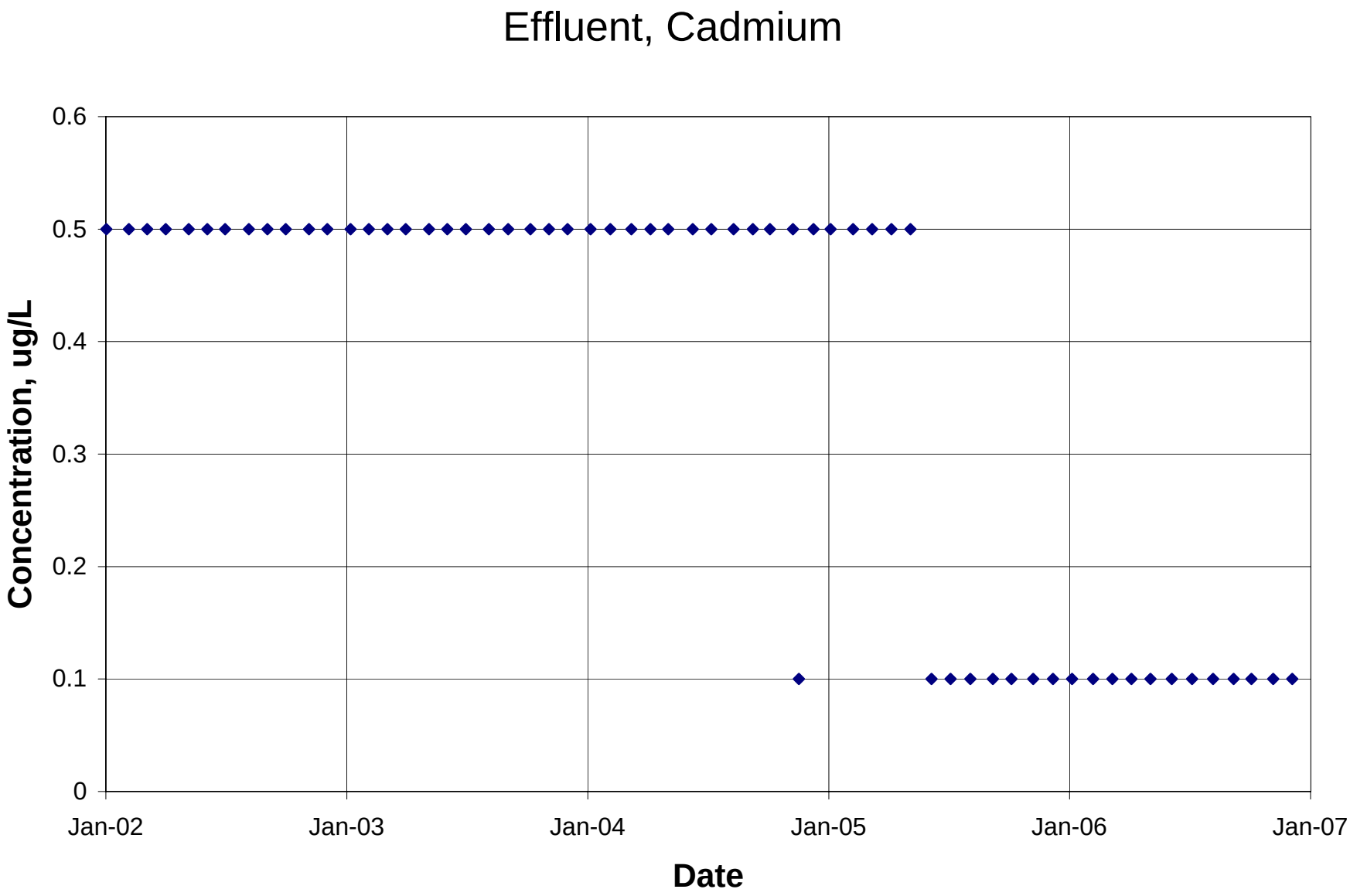
DATE	As (influent)	As (effluent)	Cd (influent)	Cd(effluent)	Cr (influent)	Cr (effluent)	Cu (influent)	Cu (effluent)	Pb (influent)	Pb (effluent)	Hg (influent)	Hg (effluent)	Ni (influent)	Ni (effluent)	Se (influent)	Se (effluent)	Ag (influent)	Ag (effluent)	Zn (influent)	Zn (effluent)
	ug/L	ug/L	ug/L	ug/L	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
11/17/2006	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

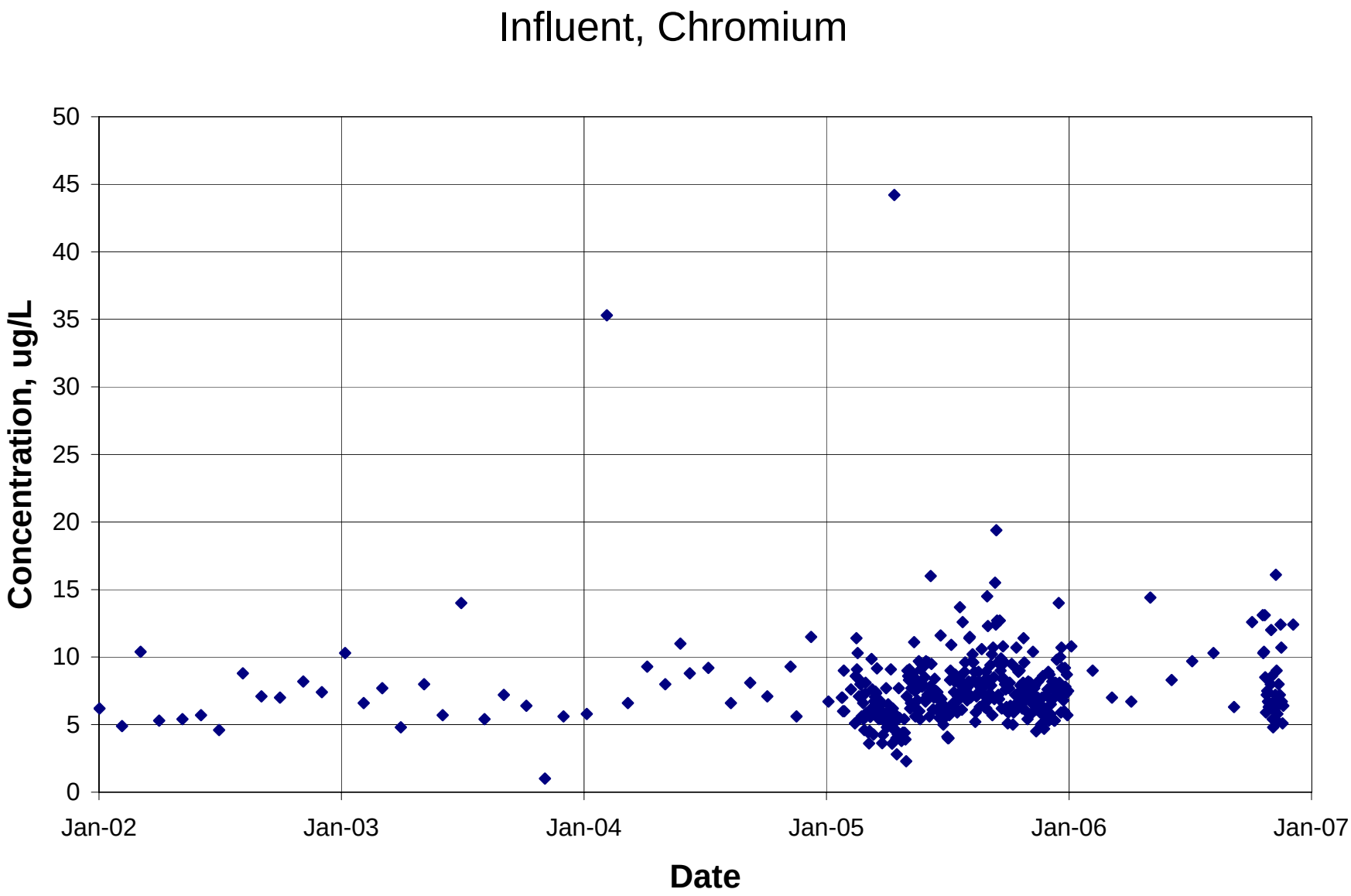
Appendix II

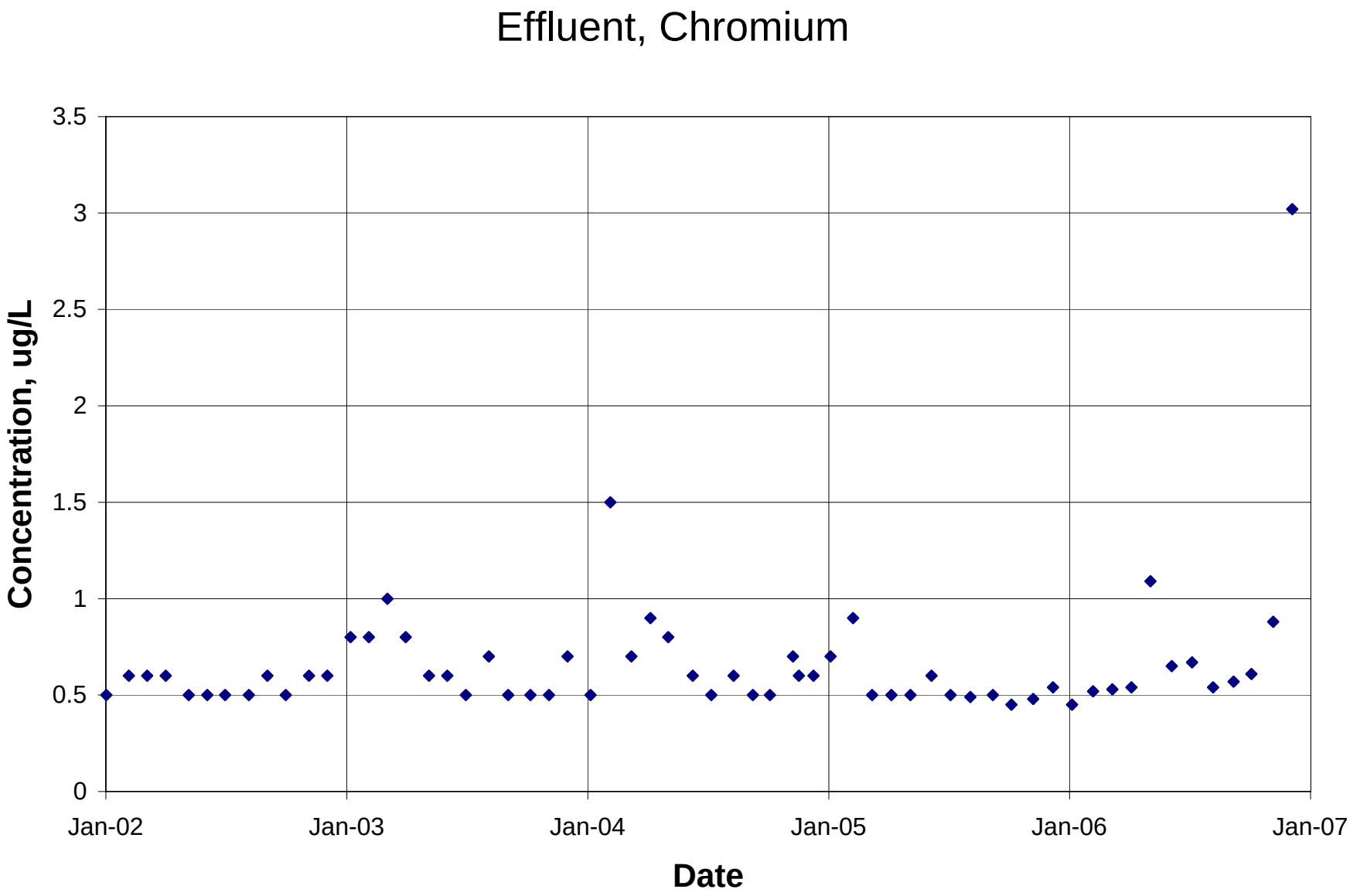

Influent, Arsenic
Concentration, ug/L
0
1
2
3
4
5
6
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

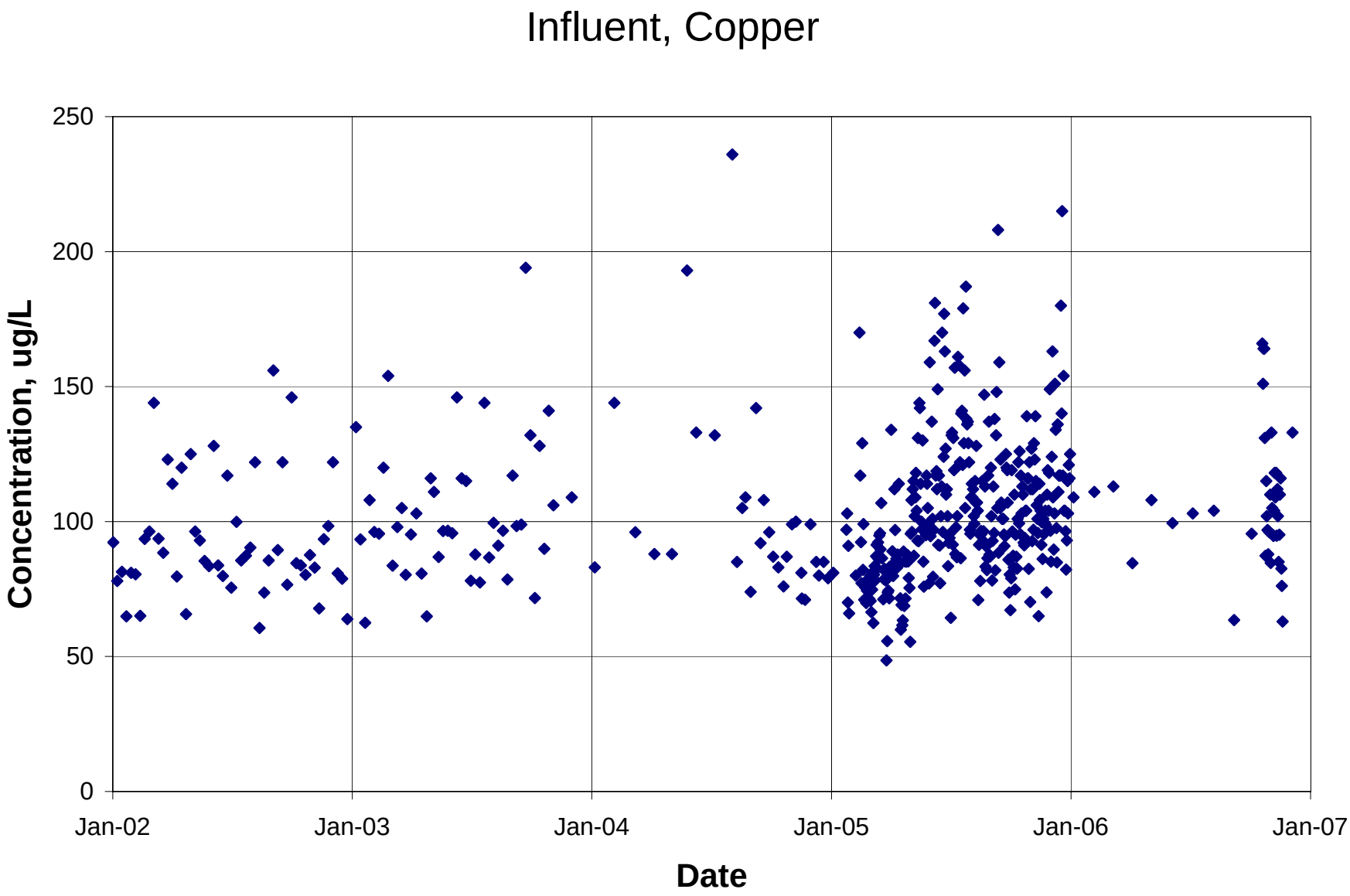

Effluent, Arsenic
Concentration, ug/L
2.5
2
1.5
1
0.5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

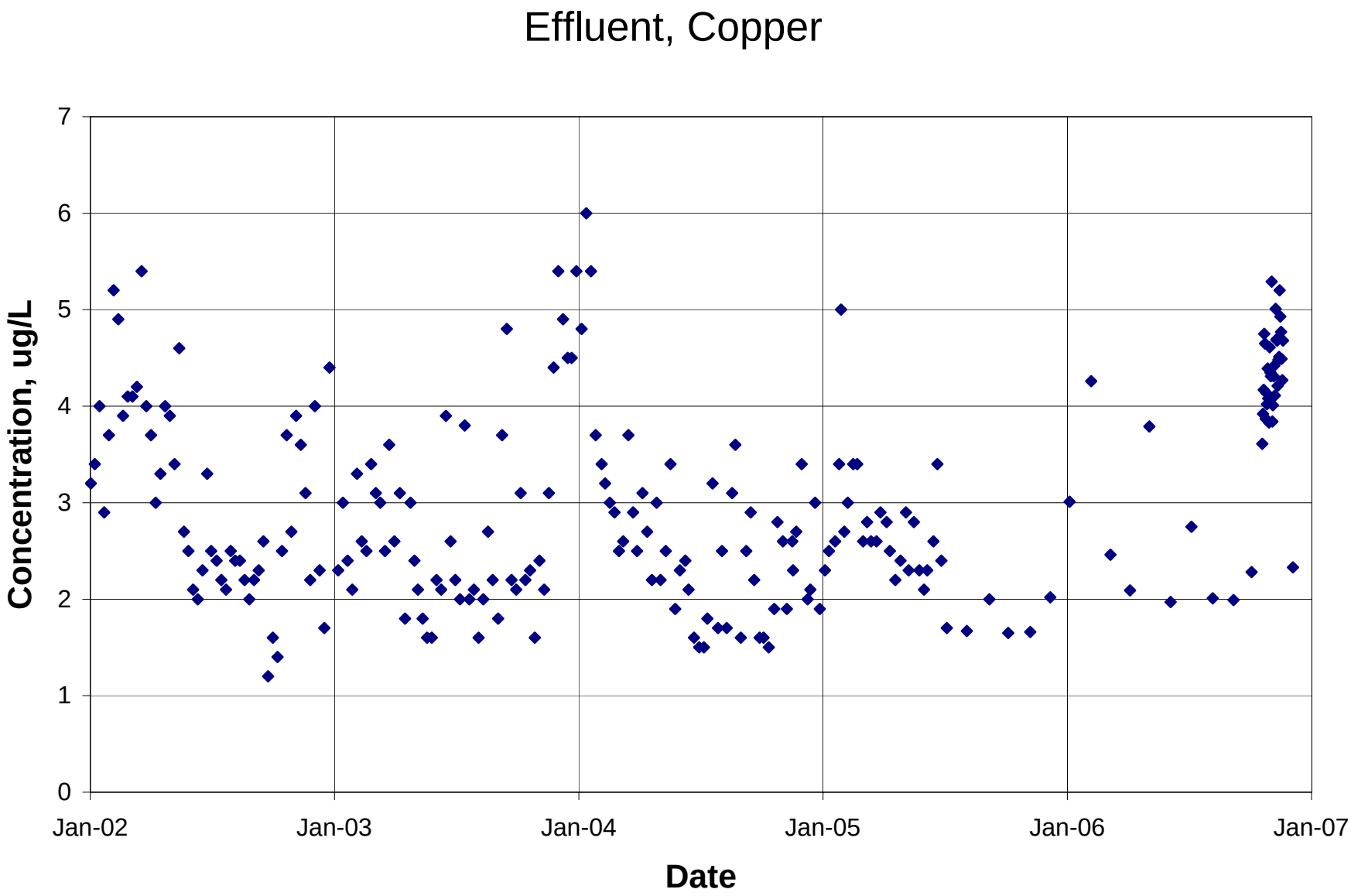

Influent, Cadmium
Concentration, ug/L
0
1
2
3
4
5
6
7
8
9
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

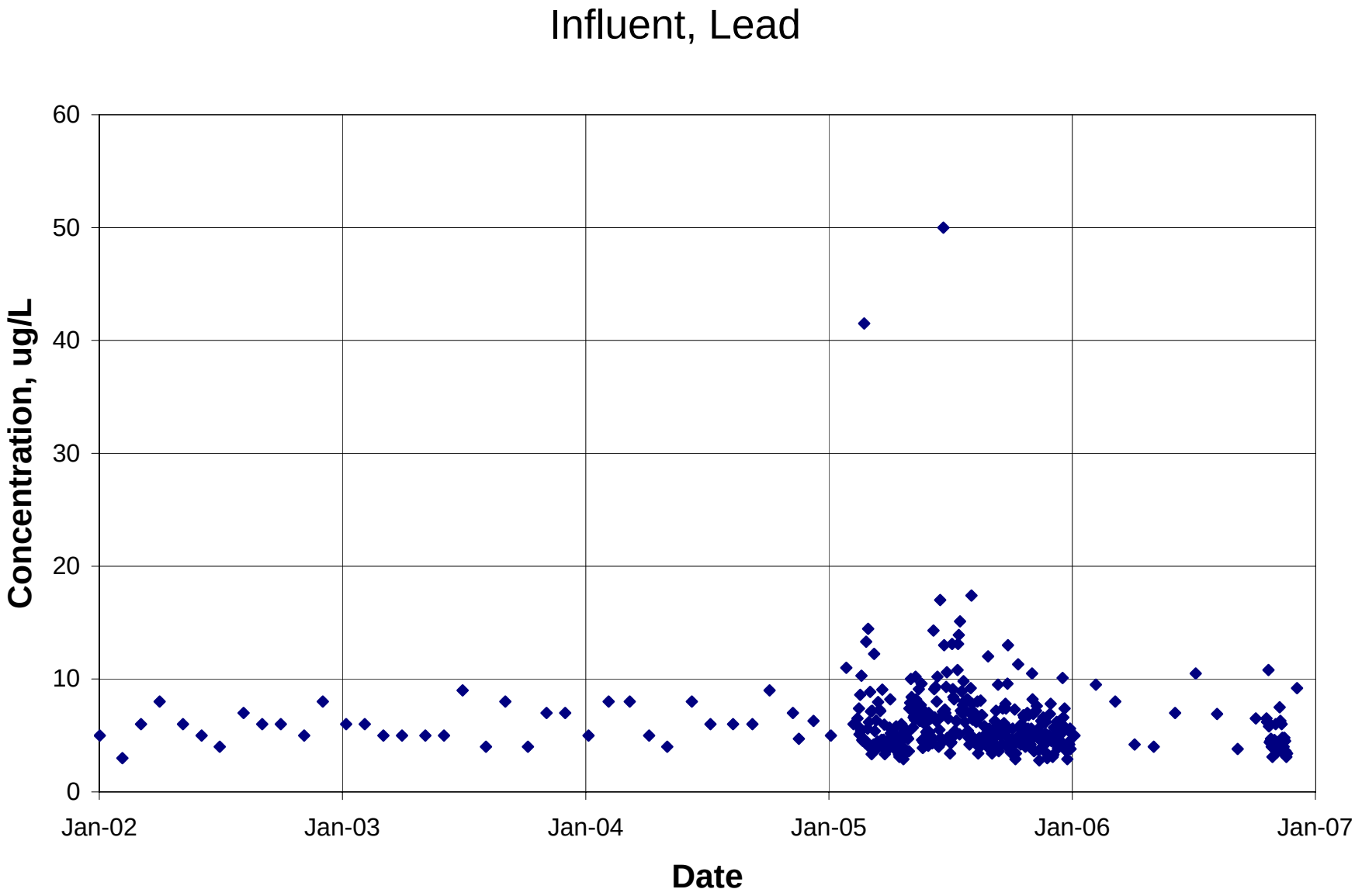

Effluent, Cadmium
0.6
0.5
0.4
0.3
0.2
0.1
0
Concentration, ug/L
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

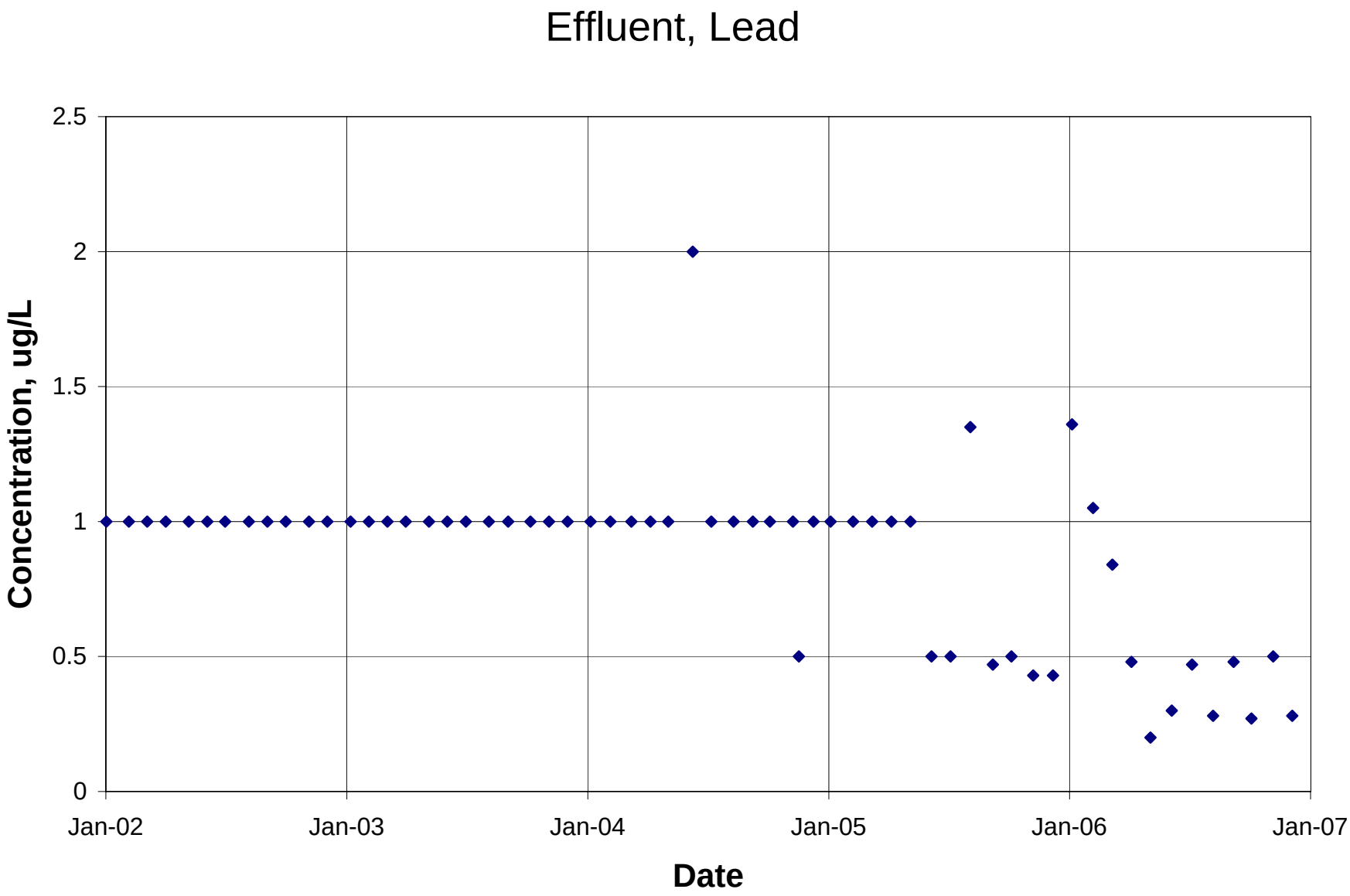

Influent, Chromium
Concentration, ug/L
50
45
40
35
30
25
20
15
10
5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

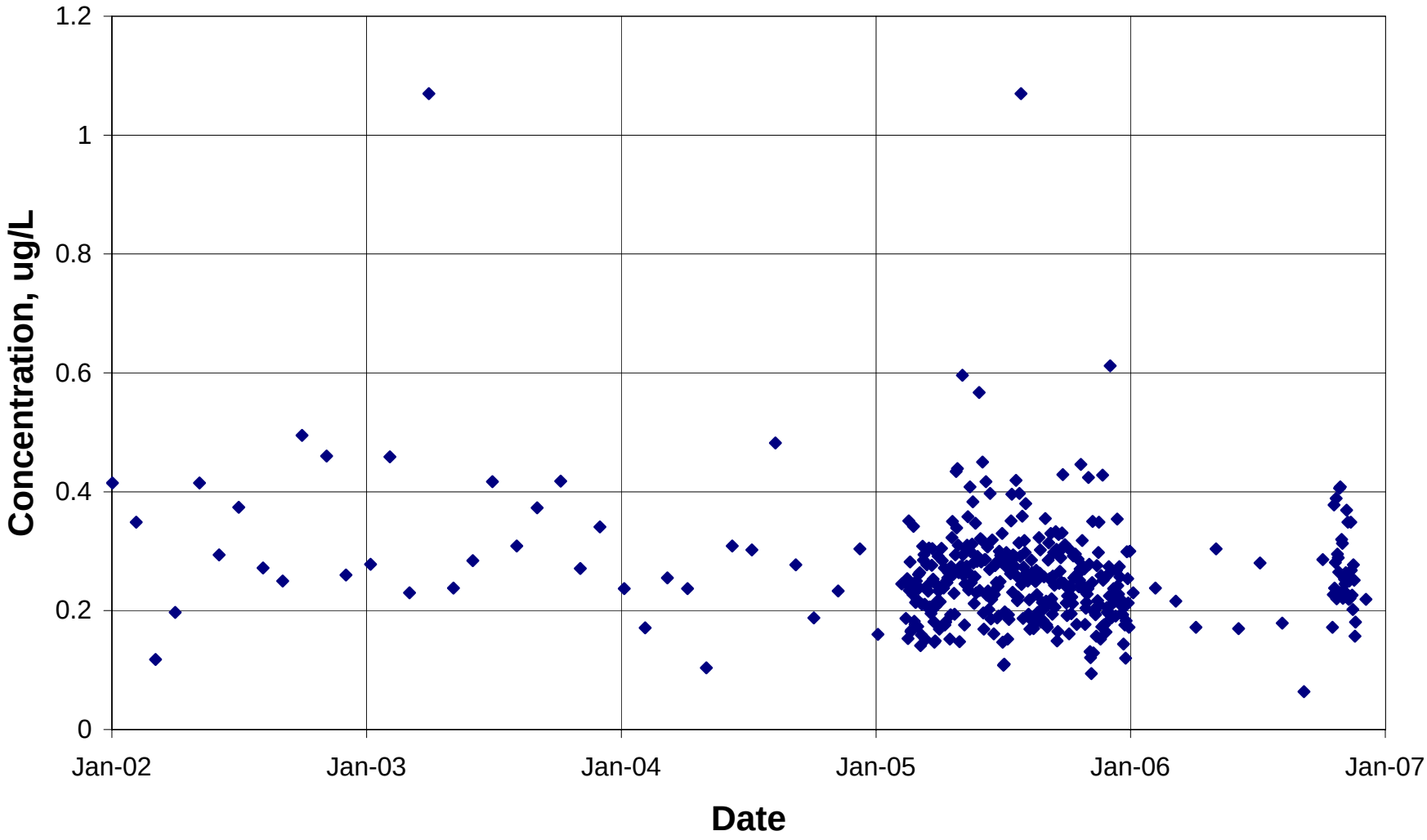

Effluent, Chromium
Concentration, ug/L
3.5
3
2.5
2
1.5
1
0.5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

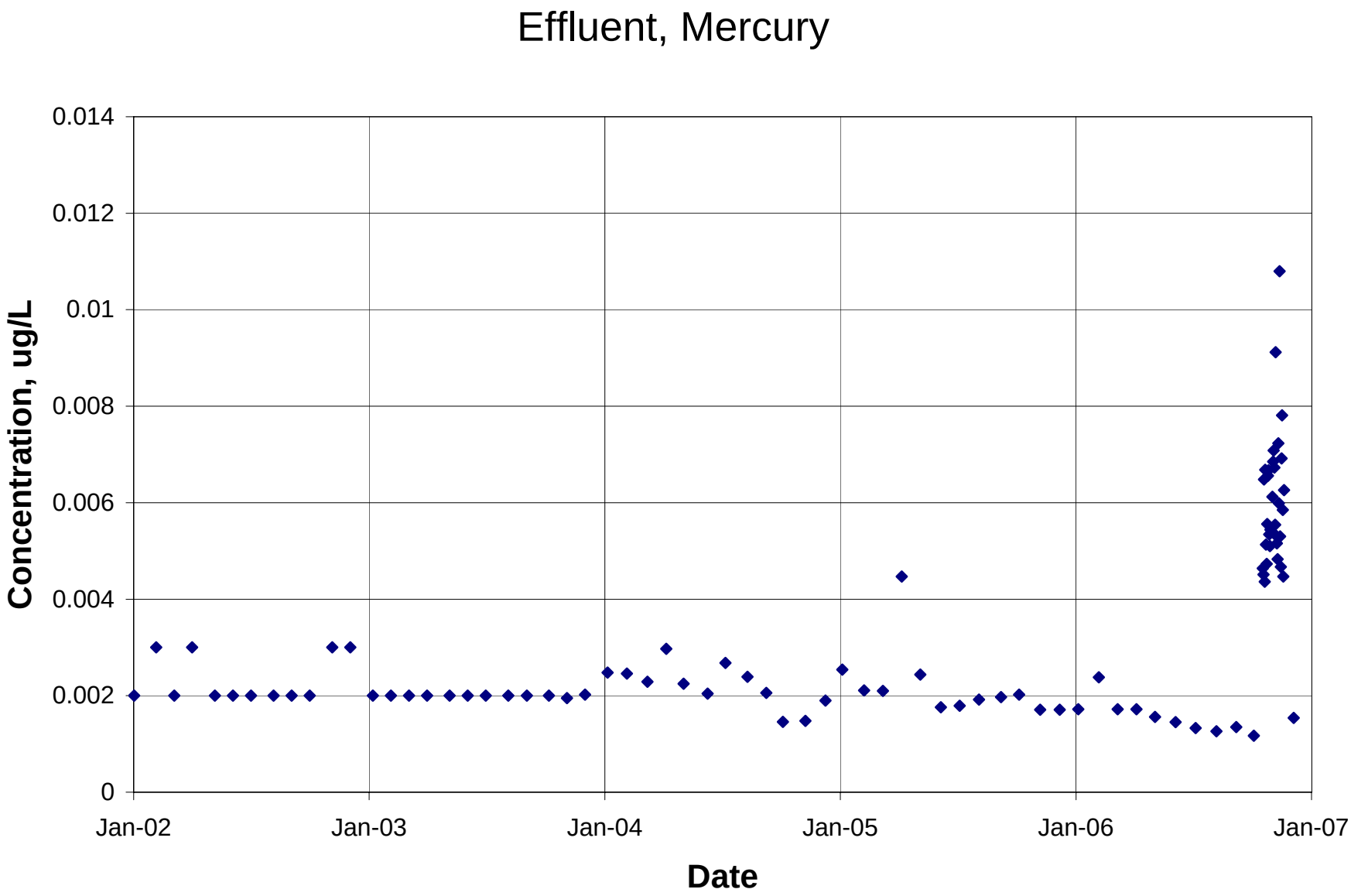

Influent, Copper
Concentration, ug/L
250
200
150
100
50
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

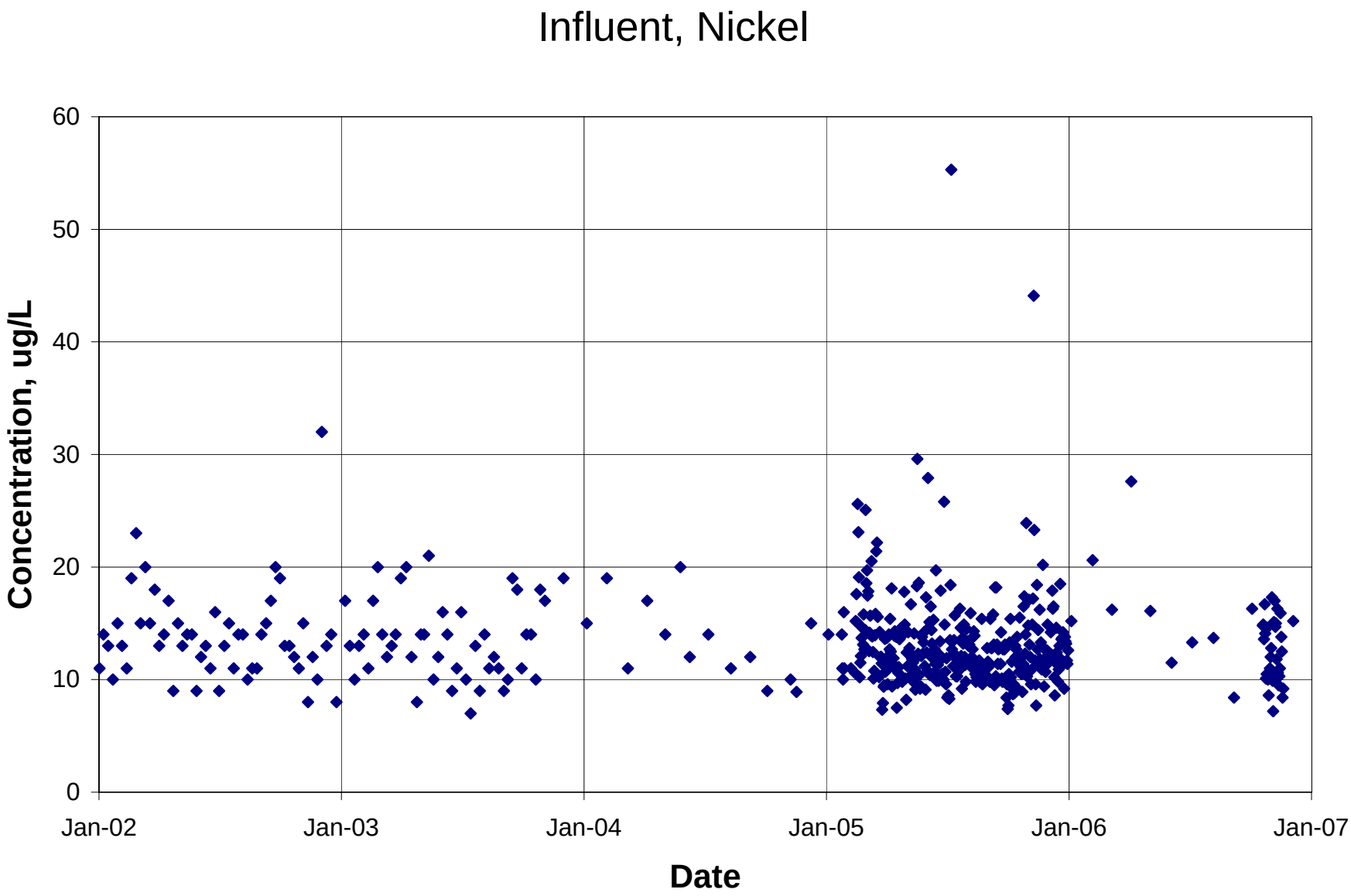

Effluent, Copper
Concentration, ug/L
0
1
2
3
4
5
6
7
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

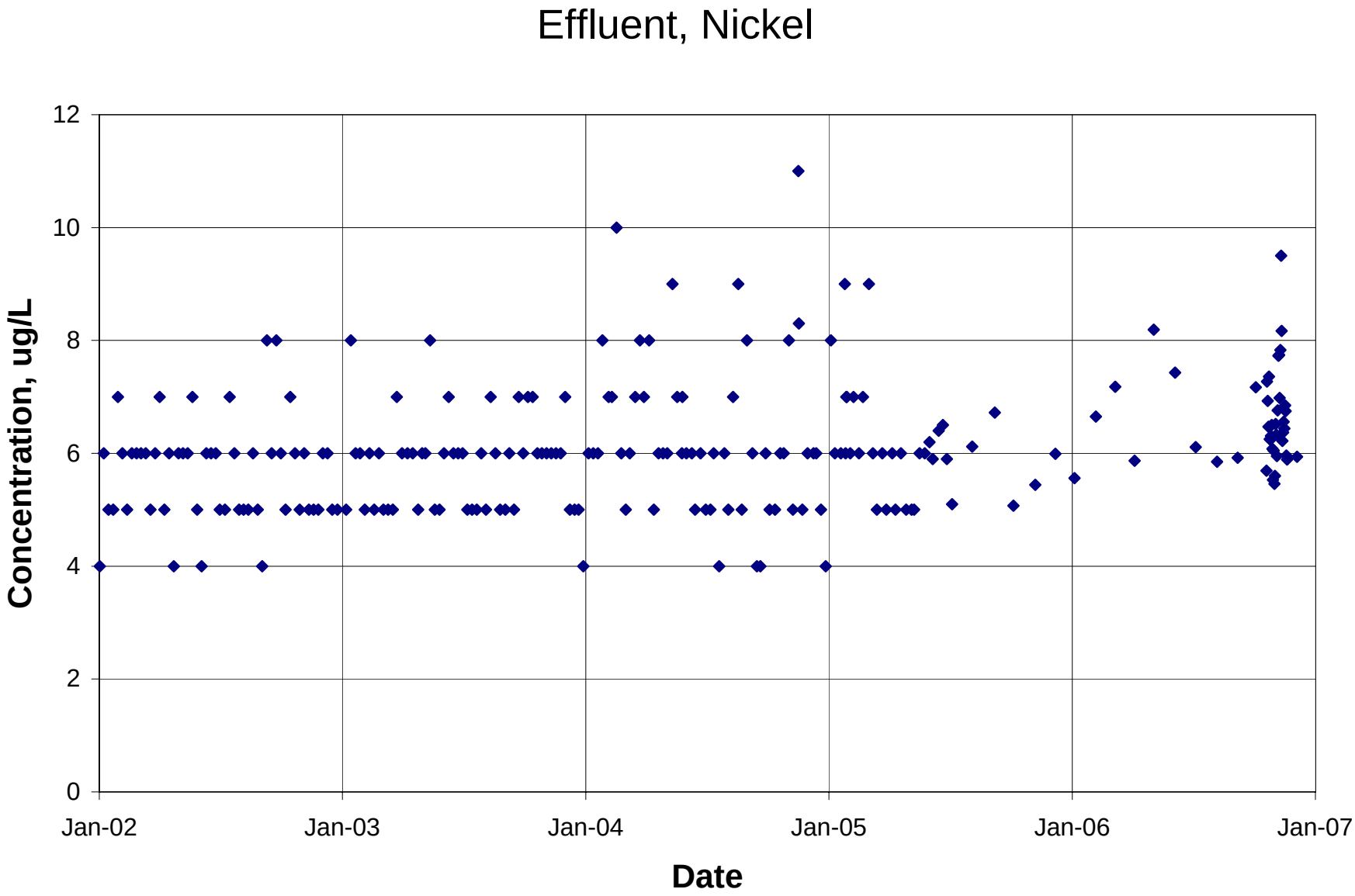

Influent, Lead
Concentration, ug/L
60
50
40
30
20
10
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

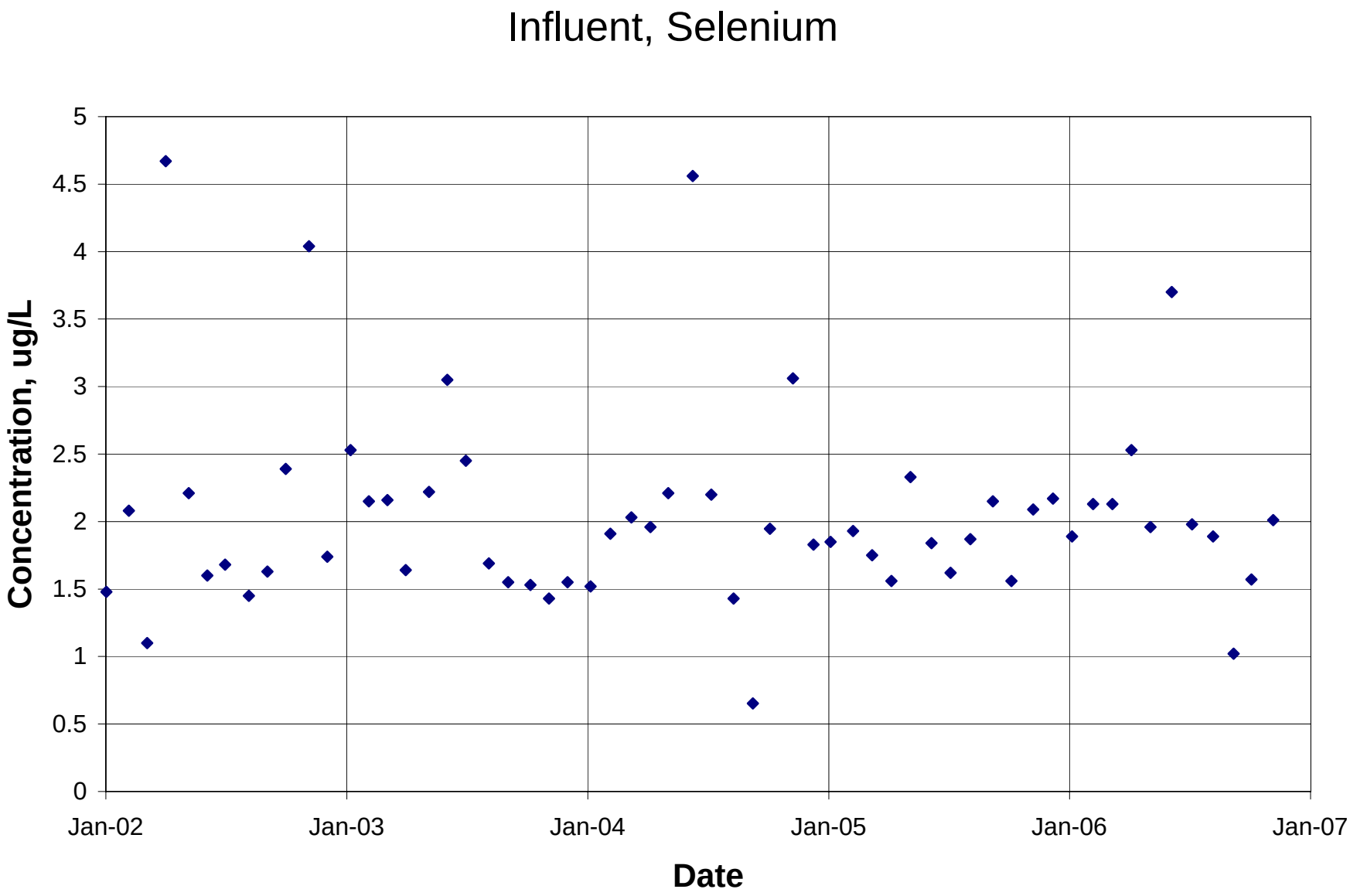

Effluent, Lead
Concentration, ug/L
2.5
2
1.5
1
0.5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Influent, Mercury
Concentration, ug/L
1.2
1
0.8
0.6
0.4
0.2
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

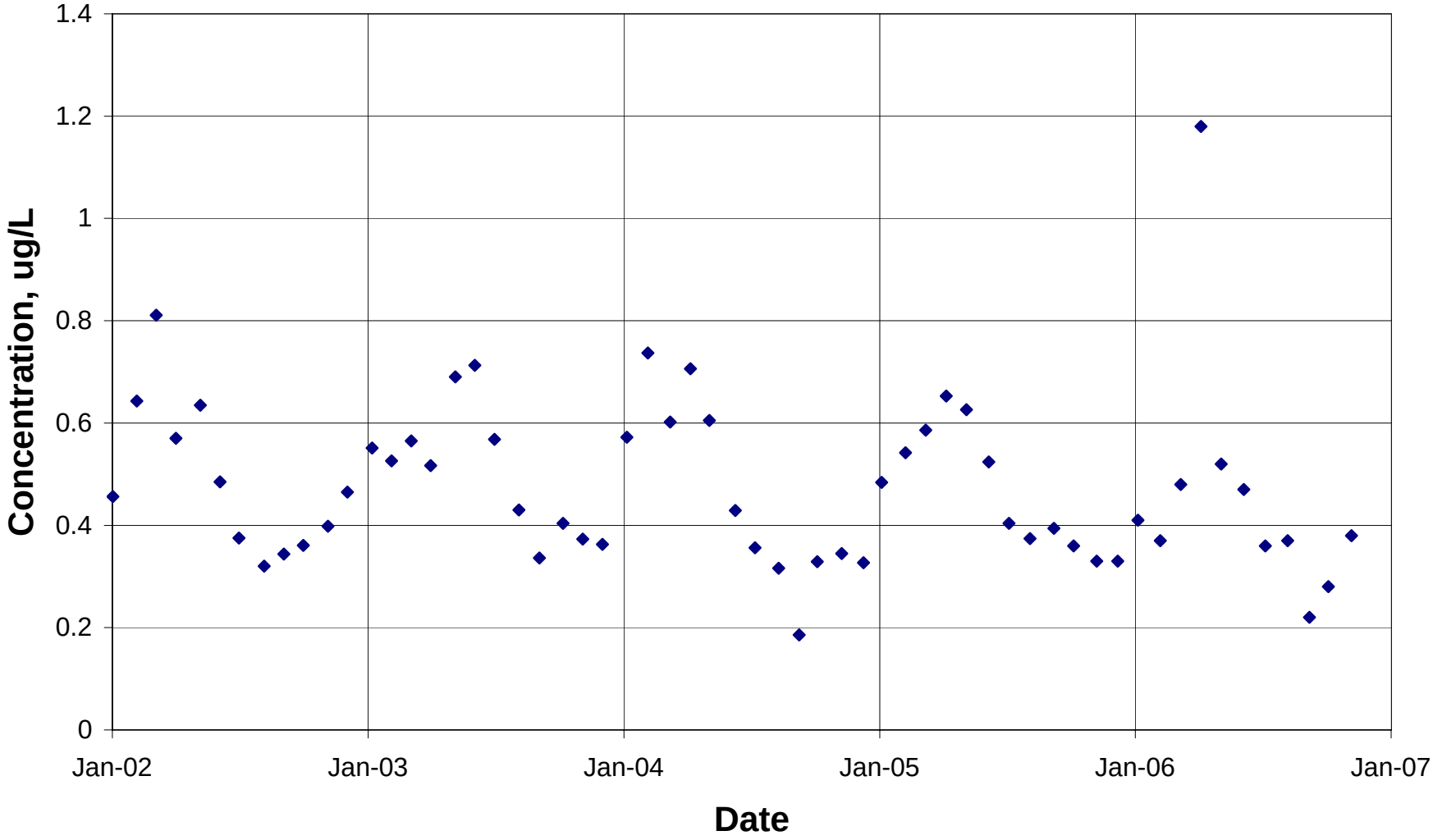

Effluent, Mercury
Concentration, ug/L
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

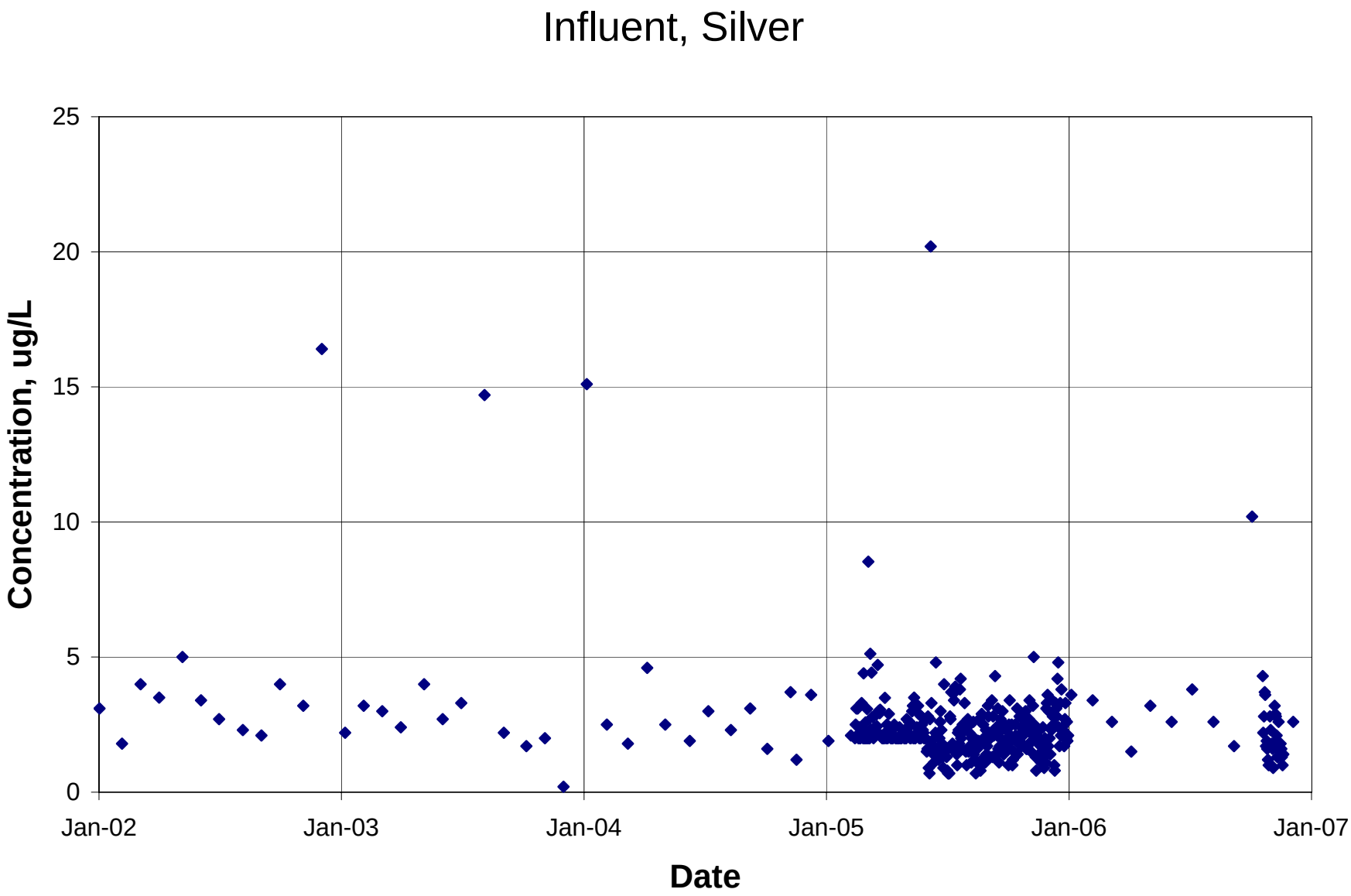

Influent, Nickel
Concentration, ug/L
60
50
40
30
20
10
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

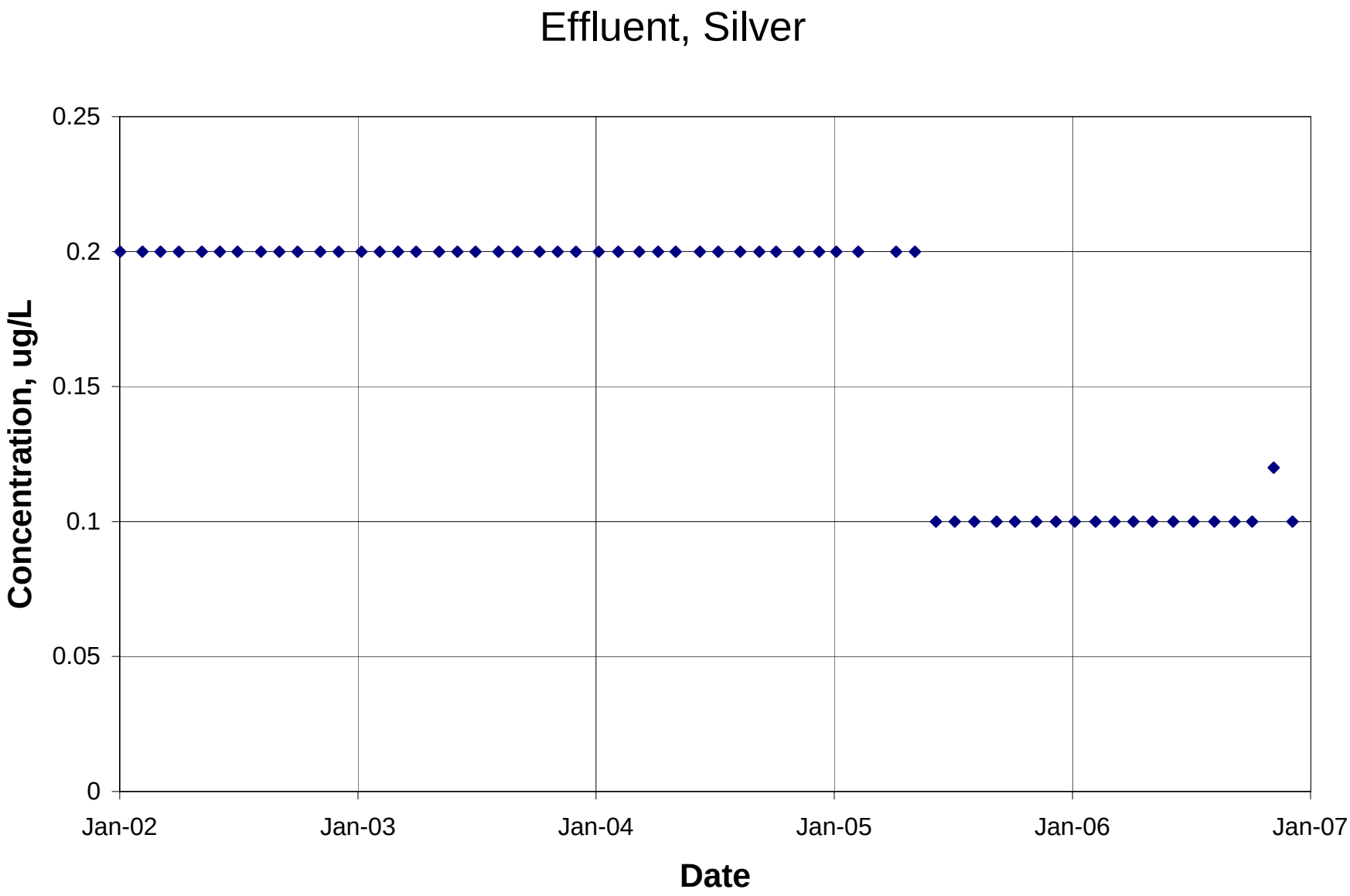

Effluent, Nickel
Concentration, ug/L
12
10
8
6
4
2
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

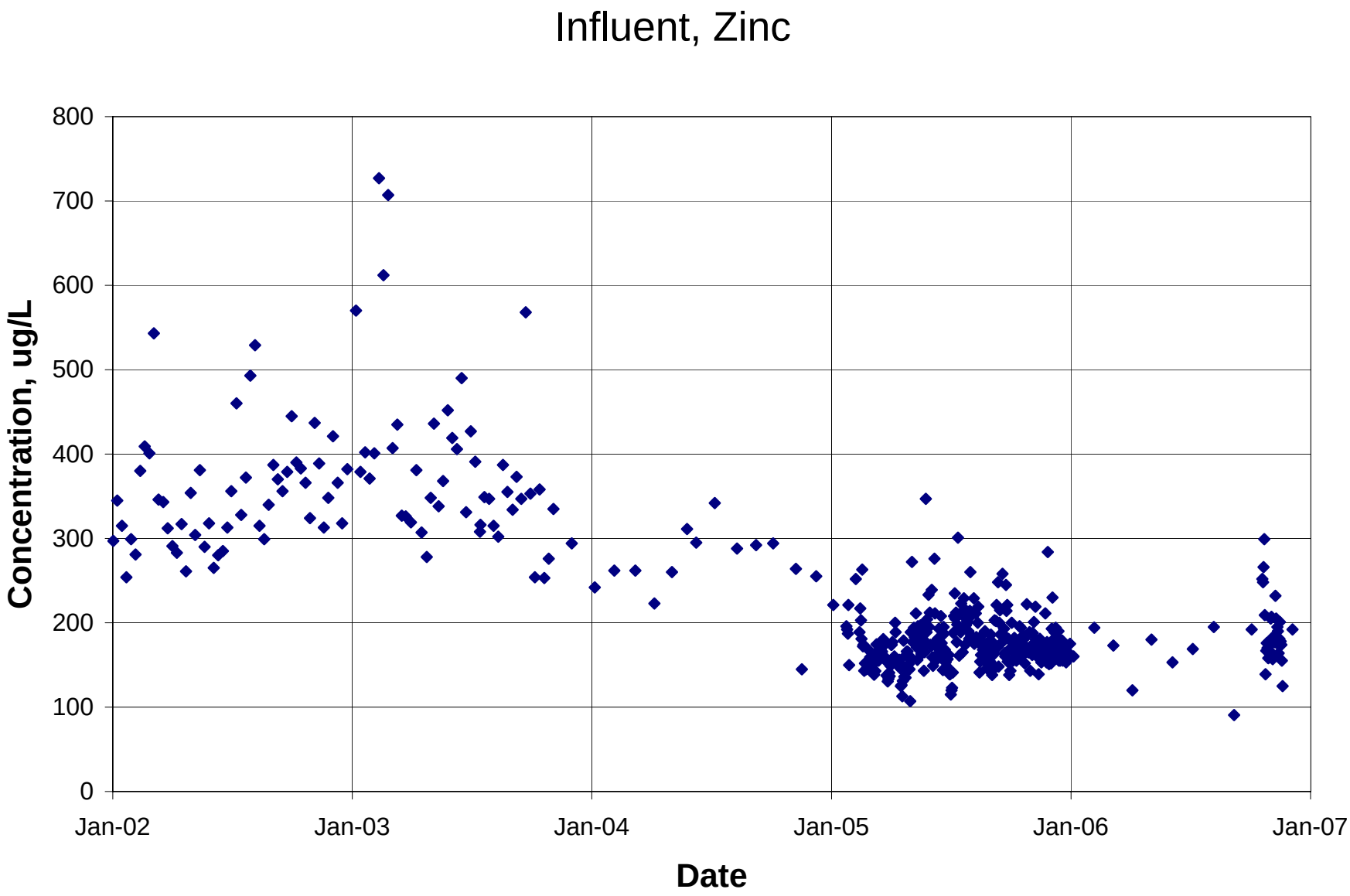

Influent, Selenium
Concentration, ug/L
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

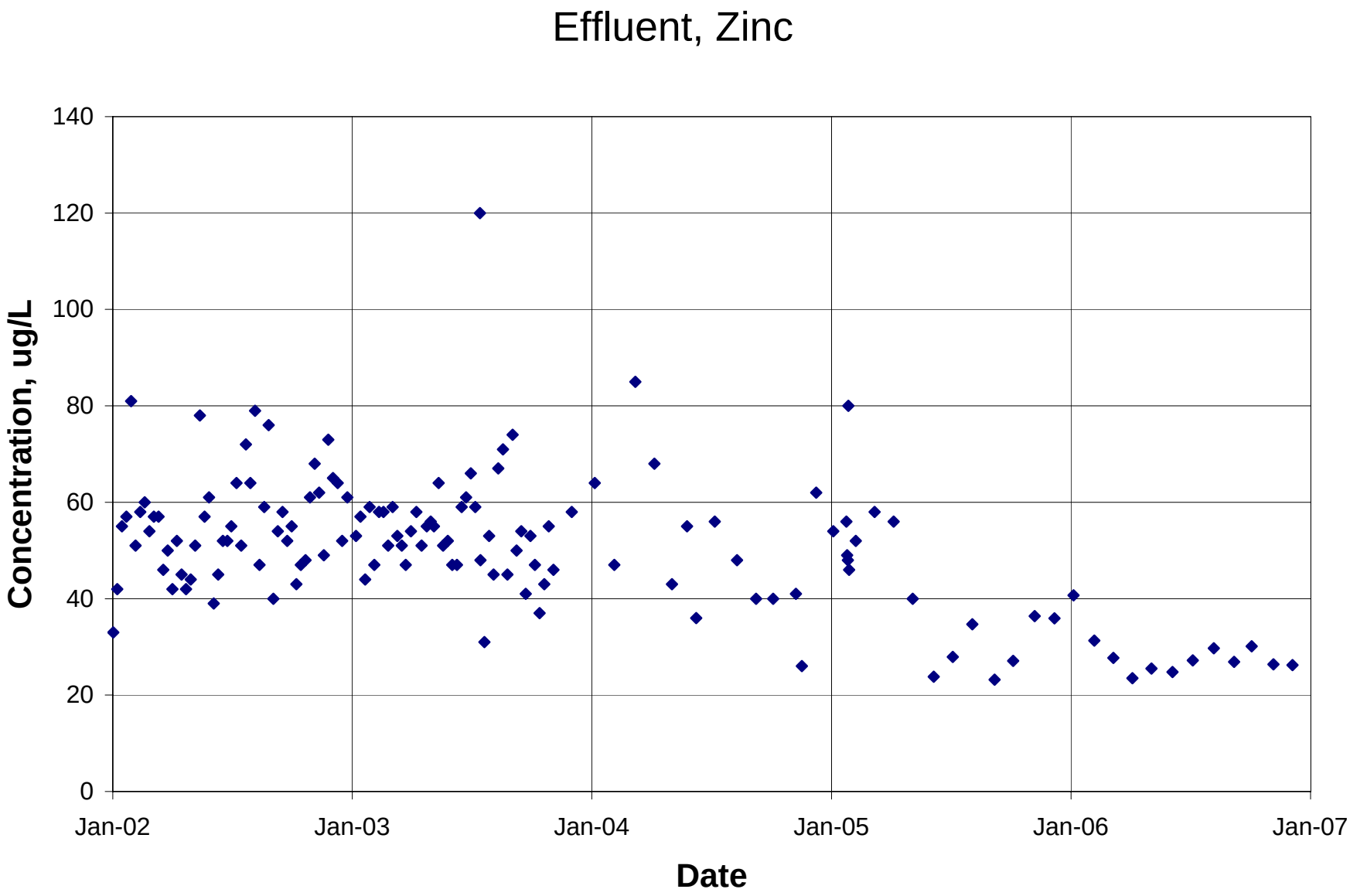
Effluent, Selenium




Influent, Silver
Concentration, ug/L
25
20
15
10
5
0
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Effluent, Silver
0.25
0.2
0.15
0.1
0.05
0
Concentration, ug/L
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date


Influent, Zinc
Concentration, ug/L
800
700
600
500
400
300
200
100
0
Jan-02
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-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Date

SUMMARY of SIU INSPECTIONS and SAMPLING EVENTS for 2006

Industrial User Type	Total Inspections	Total POTW Sampling Events
All Other SIUs Noncategorical	**40**	**250**
Canned and Preserved Fruit and Vegetable Processing (40 CFR 407)	**2**	**60**
Centralized Waste Treatment - Metals Treatment and Recovery (40 CFR 437 Subpart A)	**5**	**27**
Copper Forming (40 CFR 468 Subpart A)	**5**	**8**
Electrical and Electronic Components - Crystal Growing (40 CFR 469 Subpart B)	**2**	**3**
Electrical and Electronic Components - Semiconductor (40 CFR 469 Subpart A)	**77**	**272**
Electroplating - Existing Source Job Shops Discharging Less than 10,000 GPD (40 CFR 413(L) Subparts A-H)	**3**	**9**
Metal Finishing - New Source (40 CFR 433.17 Subpart A)	**347**	**637**
Metal Finishing - Existing Source Captive Shops (40 CFR 433.15 Subpart A)	**13**	**65**
Non Ferrous Metals Manufacturing (40 CFR 421 Subpart L)	**2**	**0**
Nonferrous Metals Forming and Metal Powders (40 CFR 471 Subpart C)	**1**	**0**
Pharmaceutical Manufacturing (40 CFR 439 Subpart A)	**2**	**4**
Pharmaceutical Manufacturing (40 CFR 439 Subpart D)	**2**	**1**
Pulp, Paper and Paperboard (40 CFR 430 Subpart J)	**8**	**125**
Rubber Manufacturing (40 CFR 428 Subpart G)	**2**	**4**
Steam Electric Power Generating - New Source (40 CFR 423)	**11**	**84**
Totals	**522**	**1,549**

INSPECTION and SAMPLING FREQUENCY CRITERIA

Canned and Preserved Fruits and Vegetables Processing (40 CFR 407)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Centralized Waste Treatment - Metals Treatment and Recovery (40 CFR 437)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Copper Forming (40 CFR 468)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Electrical and Electronic Components (40 CFR 469) All Subcategories

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually (Federal parameters)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Electroplating - (40 CFR 413) All Subcategories

Greater than 10,000 gpd

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Quarterly if discharge pollutants of concern Semi-annually if no pollutants of concern are discharged
SMR frequency:	Semi-annually (Federal parameters)
Group 1:	Weekly to monthly (local, Cu/Ni)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Less than 10,000 gpd

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Quarterly, if discharge pollutants of concern Semi-annually if no pollutants of concern are discharged
SMR frequency	Semi-annually (Federal parameters)
Group 1:	Weekly to Monthly (Local, Cu/Ni)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Metal Finishing Captive Shop and New Source (40 CFR 433)

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Quarterly if discharge pollutants of concern Semi-annually if no pollutants of concern are discharged
SMR frequency:	Semi-annually (Federal parameters)
Group 1:	Weekly to monthly (local, Cu/Ni)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Nonferrous Metals (40 CFR 421 and 471)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Pharmaceutical Manufacturing (40 CFR 439)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Pulp, Paper and Paperboard from Wastepaper (40 CFR 430)

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Quarterly if discharge pollutants of concern Semi-annually if no pollutants of concern are discharged
SMR frequency:	Semi-annually (Federal parameters)
Group 1:	Weekly to monthly (local, Cu/Ni)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Rubber Manufacturing (40 CFR 428)

POTW monitoring:	Full scan, secured sample semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually (Federal parameters)
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Steam Electric Power Generating (40 CFR 423)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

All other I.U.s

POTW monitoring:	Semi-annually, will have separate revenue schedule
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Automotive Repair

POTW monitoring:	Annual sampling
POTW Inspections:	Annual inspection
SMR frequency:	Annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Corrugated Box Manufacturing (Non-categorical)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Electronic Parts Manufacturing (Non-categorical)

POTW monitoring:	Semi-annually
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Food Processing, Nonseasonal

POTW monitoring:	Follow revenue schedule
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

Industrial Laundries (Non-categorical)

POTW monitoring:	Semi-annually, will have separate revenue schedule
POTW Inspections:	Semi-annually
SMR frequency:	Semi-annually
Group 2:	Monthly to semi-annually (Local, Cu/Ni)

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 reviewing the permit application, all pertinent IU records, including previous permits and fact sheets, and a review of information in the database. The compliance history of the IU is reviewed, including compliance with Group 1 or Group 2 limits. This information is compared to the application and any discrepancies are resolved now or during the inspection.

2) The second part involves scheduling an inspection at the IU. The purpose of the inspection is explained at this time. The inspection involves reviewing the permit application and all supporting documents and may include:

    a) Review the permit application with the IU and resolve any discrepancies.
    b) Verify the correct name of the company.
    c) Identify responsible contact, waste treatment and sampling personnel.
    d) Review hours of operation, shifts and number of employees and future expansion plans.
    e) Determine what time period was used for the data submitted.
    f) Review flow data, both influent and effluent and try to do a mass balance.
    g) Determine water sources and how water leaves the facility.
    h) Review sanitary sewer connections and storm sewer routing.
    i) Review compliance status, flows and any STP issues.
    j) Review the processes listed and determine if there have been any process or treatment equipment changes since the last permit was issued.
    k) Review the treatment system.
    l) Review the site plan and process equipment layout. Identify sample points on the layout. Document types of flow meters and location.
    m) Review in house monitoring practices.
    n) Review HazMat plan and chemical inventory list.
    o) Review Slug Plan, Spill Prevention Plan and Containment Plan.
    p) Review waste manifests.
    q) Review pollution prevention strategies.
    r) Review the Water Efficiency Program with the IU.

3) The third part involves the physical inspection of the IU. This inspection may include:

    a) Inspect activities, products and wastewater generating processes.

    b) Verify that previous permit conditions are being met.

    c) Verify that the layout of the facility, process and treatment equipment corresponds to the application.

    d) Review pollution prevention or water efficiency measures.

    e) Review plumbing layout.

    f) Verify all connections to the sewer and storm drain.

    g) Inspect treatment system and sample points. Verify that the sample points are in the correct location and meet the permit requirements. Inspect in house self monitoring records.

    h) Review location of flow meters. Record flow meter primary and secondary device type. Review in house meter record.

    i) Inspect chemical storage areas and waste storage areas for any chemicals not listed on the application.

    j) Inspect site for general housekeeping.

    k) Inspect site for non point source issues.

Annual Inspection

These inspections are similar to the compliance inspections, however they are more detailed and require more time to conduct. These inspections may be required to be scheduled as to allow the IU the ability to have all required materials/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) A review of the company's files and the database. The inspector should review the layout of the facility, the processes, the permit application, the permit and fact sheet, the compliance history (including their Group1 and Group 2 standings) and their SMR schedule.

2) The inspector should generally schedule this inspection with the IU. For smaller IUs scheduling may not be necessary.

3) Review and verify contact information. Review hours of operation, number of shifts and any future expansion plans.

4) Review processes and check for any new processes or new equipment.

5) Review compliance status and flows, including Group1 or Group 2 standings as relevant.

6) Inspect facility to verify processes and document any changes. Check for dilution streams.

7) Review treatment system and document any changes.

8) Inspect flow and other (pH) monitoring equipment to see if they are functioning correctly.

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, but may include the following:

1) Interview with person responsible for compliance and review of the company's compliance history. Programs on scheduled improvements of wastewater treatment systems and improved practices furthering compliance are discussed.

2) Records of wastes not discharged to the sanitary sewer are reviewed.

3) Inspection of wastewater producing areas. Practices which might lead to noncompliance and faulty equipment are noted and discussed.

4) Inspection of wastewater treatment system and wastewater monitoring equipment and logs. All components which do not appear to be functioning properly are noted and discussed.

5) Inspection of chemical and waste storage areas. Careless practices are noted and discussed.

6) Review of facility's self-monitoring records.

7) Inspection of sampling/monitoring station and equipment.

8) This inspection should verify that all permit conditions are being met

9) A sample may or may not be collected at the discretion of the Inspector. Scheduled sampling is accomplished by Source Control Technicians.

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. Such an inspection is usually made in conjunction with 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 POTW. The inspections may include the following:

1) Collection and preservation of samples for compliance and revenue.

2) Record pH from final pH meter and compare to POTWs pH meter readings.

3) Record flow readings from flow meters and verify last calibration date.

4) Record results of last in-house testing with time and date.

5) Observe sample point and sampling equipment and record condition of both.

6) Record any abnormalities observed in effluent conditions.

7) Record 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) Verify that all process equipment has been removed from the facility.

2) Verify that all process chemistries have been removed from the facility.

3) Record information from manifest for all waste that has been hauled from the facility.

4) Verify date of last discharge to sanitary sewer.

5) Record influent water meter readings.

6) Verify 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.

FEDERAL CATEGORICAL STANDARDS

This section includes a list of all EPA federal categories with their descriptions, which are regulated by the San Jose/Santa Clara Water Pollution Control Plant. Additionally, included is a table of federal standards for each category and the number of categorical industries (CIUs) in each. The list of specific CIUs for each category can be found in the compliance tables in the "Compliance Activities" section of this report. Each CIU with combined waste stream generated limits has been included on its own individual page. The data, information, and limits are included on this page.

List of EPA Categories and Their Descriptions

40 CFR 407	**Canned and Preserved Fruit and Vegetable Processing**
40 CFR 413(L) Subparts A-H	**Electroplating - Existing Source Job Shops Discharging Less than 10,000 GPD**
40 CFR 421 Subpart L	**Non Ferrous Metals Manufacturing**
40 CFR 423	**Steam Electric Power Generating - New 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 Subpart A	**Metal Finishing - New Source**
40 CFR 437 Subpart A	**Centralized Waste Treatment - Metals Treatment and Recovery**
40 CFR 439 Subpart A	**Pharmaceutical Manufacturing**
40 CFR 439 Subpart D	**Pharmaceutical Manufacturing**
40 CFR 468 Subpart A	**Copper Forming**
40 CFR 469 Subpart A	**Electrical and Electronic Components - Semiconductor**
40 CFR 469 Subpart B	**Electrical and Electronic Components - Crystal Growing**
40 CFR 471 Subpart C	**Nonferrous Metals Forming and Metal Powders**

List of EPA Categories and Their Descriptions (continued)

Other Regulated Categories

MISC	**All Other IUs Non-Categorical**
AUTO	**Automotive Repair Facilities**
CBMF	**Corrugated Box Manufacturing**
EPMN	**Electronics Parts Manufacturing Non-Categorical**
FPNS	**Food Processing - Non-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: 1	pH	>5.0		
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
	pH	>5.0		
	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 Table 2 includes all companies including those that have gone out of business in 2007 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 - Crystal Growing	Arsenic	2.09		0.83
	pH	>5.0		
	TTO-F	1.37		
40 CFR 469 Subpart B No.of CIUs: 1				
Electrical and Electronic Components - Semiconductor	pH	>5.0		
	TTO-F	1.37		
40 CFR 469 Subpart A No.of CIUs: 33				

The count of Industrial Users and Categorical Industrial Users for each secton in Table 2 includes all companies including those that have gone out of business in 2007 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
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	
	pH	>5.0		
	TTO-F	4.57		
40 CFR 413(L) Subparts A-H No.of CIUs: 3				
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
	pH	>5.0		
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433.15 Subpart A No.of CIUs: 4				

The count of Industrial Users and Categorical Industrial Users for each secton in Table 2 includes all companies including those that have gone out of business in 2007 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 (No CN)	Cadmium	0.11		0.26
	Chromium Total	2.77		1.71
	Copper	3.38		2.07
	Lead	0.69		0.43
	Nickel	3.98		2.38
	pH	>5.0		
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433 Subpart A (No CN) No.of CIUs: 8				
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
	pH	>5.0		
	Silver	0.43		0.24
	TTO-F	2.13		
	Zinc	2.61		1.48
40 CFR 433.17 Subpart A No.of CIUs: 91				

The count of Industrial Users and Categorical Industrial Users for each secton in Table 2 includes all companies including those that have gone out of business in 2007 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
Non Ferrous Metals Manufacturing	Ammonia			68.145
	Copper			0.709
	pH	>5.0		
	Zinc			0.488
40 CFR 421 Subpart L No.of CIUs: 1				
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				

The count of Industrial Users and Categorical Industrial Users for each secton in Table 2 includes all companies including those that have gone out of business in 2007 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
	pH	>5.0		
	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 Table 2 includes all companies including those that have gone out of business in 2007 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		
	pH	>5.0		
	Trichlorophenol	0.00030		
40 CFR 430 Subpart J No.of CIUs: 2				
Rubber Manufacturing	Oil and Grease	100.00		
	pH	>5.0		
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
	pH	>5.0		
	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 Table 2 includes all companies including those that have gone out of business in 2007 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.

LIST OF INDUSTRIAL USERS SUBJECT TO LIMITS BASED ON COMBINED WASTE FORMULAS
2007

Permit #	Company Name
SC-346B	Advanced Power Technology-RF, Inc.
SC-092A	Applied Materials, Bldgs. 2 & 3
SC-205B	Celeritek, Inc.
SC-173B	Coherent, Inc.
SJ-024A	Cypress Semiconductor (3901 N. 1st)
SJ-460B	Cypress Semiconductor Corp.(3939 N. 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
MI-075B	Sipex Corporation MI
SC-370B	Universal Semiconductor Technology, Inc
SC-282A	Vishay/Siliconix
MI-090B	WJ Communications

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 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**

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

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

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.

Fairchild Imaging, Inc.
1801 McCarthy Blvd
MI-100B
Combined Wastestream Formula

At sample point #1

Diluting waters detail;
R.O. reject = 7,000 gpd
Cooling Tower=780 gpd

Process wastestream	Diluting waters	Total
68,994	7,780	76,774 gpd

from 40 CFR 469.12 sub-part A limits are:
TTO's= 1.37 mg/l

Using the CWF

$$1.37 \times \frac{76{,}774 - 7{,}780}{76{,}774} = 1.23$$

The adjusted TTO limit is 1.23 mg/l

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

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

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.

Jennings Technology Company LLC
SJ-216B

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

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

		Copper Forming Production Based Standards to Concentration Based						
	Copper Forming Category 468.14; Monthly Average calculations							
	Cr	Cu	Pb	Ni	Zn	TTO	O&G	
subpart								
K	0.235	1.306	0.169	1.658	0.796	0.444	15.672	112.14
M	0.02	0.116	0.015	0.147	0.07	0.039	1.392	112.14
N	0.112	0.626	0.081	0.795	0.381	0.212	7.512	37.38
O	0.104	0.583	0.075	0.74	0.355	0.198	6.996	37.38
P	0.133	0.743	0.096	0.943	0.453	0.252	8.916	37.38
Q	0.003	0.021	0.002	0.027	0.013	0.007	0.261	112.14
K	26.3529	146.45484	18.95166	185.92812	89.26344	49.79016	1757.45808	
M	2.2428	13.00824	1.6821	16.48458	7.8498	4.37346	156.09888	
N	4.18656	23.39988	3.02778	29.7171	14.24178	7.92456	280.79856	
O	3.88752	21.79254	2.8035	27.6612	13.2699	7.40124	261.51048	
P	4.97154	27.77334	3.58848	35.24934	16.93314	9.41976	333.28008	
Q	0.33642	2.35494	0.22428	3.02778	1.45782	0.78498	29.26854	
Total	41.97774	234.78378	30.2778	298.06812	143.01588	79.69416	2818.41462	
	mg/day	mg/day	mg/day	mg/day	mg/day	mg/day	mg/day	
	Cr M-avg	Cu M-avg	Pb M-avg	Ni M-avg	Zn M-avg	TTO M-avg	O&GT M-avg	
The monthly average copper forming category numbers for Cu, Pb, Ni, Zn, TTO and O&G are:								
	Cr468 M-avg=	41.98	mg/day					
	Cu468 M-avg=	234.78	mg/day					
	Pb468 M-avg=	30.28	mg/day					
	Ni468 M-avg=	298.07	mg/day					
	Zn468 M-avg=	143.02	mg/day					
	TTO468 M-avg=	79.7	mg/day					
	O&G468 M-avg=	2,818	mg/day					

Copper Forming Production Based Standards to Concentration Based

Copper Forming Category 468.14: Max. Daily Calculations — units mg/day

Chromium

1 Cr pkl rinse= Subpart K: 0.574 mg/day kg/day pkld X 18,586 lb/yr (226 day/year)(2.2 lb/kg)

21.46 mg/day X 3 (there are three pkl rinses) = **64.37**

2 Cr pkl bath Subpart M: 0.051 mg/day kg/day pkld X 37.38 = 1.91

1.91 X 3 = (three baths) **5.72**

3 Cr fume scrubber Subpart N: 0.275 mg/day kg/day pkld X 37.38 = **10.28**

4 Cr tumbling/burnish Subpart O: 0.256 mg/day kg/day pkld X 37.38 = **9.57**

5 Cr surface Subpart P: 0.326 mg/day kg/day pkld X 37.38 = **12.19**

6 Cr misc. Subpart Q: 0.009 mg/day kg/day pkld X 37.38 = 0.34

0.34 X 3 (three misc. streams) = **1.01**

Cr 468 D-max **103.14 mg/day**

The daily max. numbers from the copper forming category for Cu, Pb, Ni, Z, TTO and O&G were substituted into the above calclations in order to obtain the following 486 D-Max's

Cr486 D-max=	103.14	mg/day
Cu486 D-max =	446.05	mg/day
Pb486 D-max =	35	mg/day
Ni486 D-max =	450.64	mg/day
Zn486 D-max =	342.63	mg/day
TTOs486 D-max =	152.41	mg/day
O&G486 D-max =	4697.49	mg/day

Jennings Technology Company LLC

SJ-216B

2002 data was used as a basis to determine limits

Year	2001	2002					2003				
Quarter	1	1	2	3	4	Annual	1	2	3	4	Annual
all units in pounds											
Total copper purchases	14,676	10,000	10,000	10,000	5,200	35,200	8,800	8,800	8,800		
Used in Metal Finish Cat.***433**	5,870	4,000	4,000	4,000	2,080	14,080	3,520	3,520	3,520		
Less Scrap	194	480	480	480	250	1,690	317	317	317		
Balance to product	5,676	3,520	3,520	3,520	1,830	12,390	3,203	3,203	3,203		
(punch press)* **468**											
Used in copper forming	7,850	6,000	6,000	6,000	3,120	21,120	5,280	5,280	5,280		
Less Scrap	236	720	720	720	374	2,534	476	476	476		
Balance to Product	7,614	5,280	5,280	5,280	2,746	18,586	4,804	4,804	4,804		
Non-copper Metals* **433**	785	1,000	1,000	1,000	500	3,500	880	880	880		
Less Scrap	32	120	120	120	60	420	79	79	79		
Balance to product	753	880	880	880	440	3,080	801	801	801		
468 Average daily flow		4,426	6,172	5,545	4,671	20,814					
(flows from SMRs)					Yearly daily average is	5,203					
Days Worked		56	58	59	53	226					
(fromSMRs)					Yearly average days worked per month	57					
Total average discharge		7,844	9,172	9,003	7,160	33,179					
433 discharge		3,418	3,000	3,458	2,489	12,365					
433 average						3,091					

Average Daily Production is based on 18,586 pounds of copper processed annually in the copper forming category.
226 days worked for the year

12,390 + 3,080 = 15,470 pounds of copper and other metals processed annually in the Metal Finishing category.

Copper Forming Production Based Standards to Concentration Based

Copper Forming Category 468.14: Max. Daily Calculations — units mg/day

Chromium

1	Cr pkl rinse= Subpart K	0.574 mg/day / kg/day pkld	X	18,586 lb/yr / (226 day/year)(2.2 lb/kg)		
		21.46 mg/day X 3 (there are three pkl rinses) =				**64.37**
2	Cr pkl bath Subpart M	0.051 mg/day / kg/day pkld	X	37.38 =	1.91	
		1.91 X 3 = (three baths)				**5.72**
3	Cr fume scrubber Subpart N	0.275 mg/day / kg/day pkld	X	37.38	=	**10.28**
4	Cr tumbling/burnish Subpart O	0.256 mg/day / kg/day pkld	X	37.38	=	**9.57**
5	Cr surface Subpart P	0.326 mg/day / kg/day pkld	X	37.38	=	**12.19**
6	Cr misc. Subpart Q	0.009 mg/day / kg/day pkld	X	37.38 =	0.34	
		0.34 X 3 (three misc. streams)			=	**1.01**

Cr 468 D-max **103.14 mg/day**

The daily max. numbers from the copper forming category for Cu, Pb, Ni, Z, TTO and O&G were substituted into the above calclations in order to obtain the following 486 D-Max's

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TTOs486 D-max =	152.41	mg/day
O&G486 D-max =	4697.49	mg/day

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:

Daily 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

Johnson Matthey

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:

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

Johnson Matthey

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

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**

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

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

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

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.**

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 @ IWD-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.

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.

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

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 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

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

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

Ct = 1.38 mg/l

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

Local Standards

Parameter	Limits (in mg/l)		
	Maximum Allowable	Group 2	
		Annual Average	Daily Average
Antimony (Sb)	5.0		
Arsenic (As)	1.0		
Beryllium (Be)	0.75		
Cadmium (Cd)	0.70		
Chromium Total (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		
TTO-L (TTO-L)	2.13		
Xylene (Xyl)	1.5		
Zinc (Zn)	2.6		

UPDATED LIST of REGULATED SIGNIFICANT INDUSTRIAL USERS (SIUs)

This section contains three tables. The first table "Updated List of Regulated SIUs" contains a complete listing of all SIUs as of December 31, 2006. The dischargers are listed in alphabetical order by names. Also included in the listing are the discharger's permit number, address, and reason why each discharger is classified as an SIU. These dischargers were classified as SIUs because they are either a categorical industrial user (CIU) or have a discharge that is over 25,000 gallons per day.

The second table "Deleted SIUs for 2006" lists all SIUs that no longer have a permit, or are no longer an SIU. Each SIU listed shows the permit number, the SIUs address, the federal category under 40 CFR for the SIU where applicable, and a reason that the company was deleted or is not an SIU.

The third table "Newly Permitted SIUs in 2006" lists all SIUs that received a new permit in 2006, the new permit number, the SIUs address, and the federal category under 40 CFR for each SIU where applicable.

As of December 2006, the San Jose/Santa Clara Pretreatment Program had 154 SIUs which are listed in the table titled, "Updated List of Regulated SIUs".

UPDATED LIST OF REGULATED SIUs - 2006

	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	Adaptive Circuits	SJ-020A	1565-A Mabury Rd	SAN JOSE	95133	433A
5	Advanced Component Labs	SC-360B	990 Richard Ave	SANTA CLARA	95050	433A
6	Advanced Metal Finishers LLC	SJ-516B	1291 Oakland Rd	SAN JOSE	95112	433A
7	Advanced Power Technology-RF, Inc.	SC-346B	3000 Oakmead Village Ct	SANTA CLARA	95051	433A & 469A
8	Advanced Printed Circuit Technology	SC-065A	3495 De la Cruz Blvd	SANTA CLARA	95054	433A
9	Advanced Surface Finishing Inc.	SJ-514B	1181 N 4th St	SAN JOSE	95112	433A
10	Agilent Technologies, Inc.(Stevens Creek)	SC-321B	5301 Stevens Creek Blvd	SANTA CLARA	95051	433A
11	Airtronics Metal Products	SJ-319B	1980 Senter Rd	SAN JOSE	95112	433A
12	Allergan, Inc.	WV-044B	503-F Vandell Way	CAMPBELL	95008	439A
13	Altaflex, Inc.	SC-316B	336 Martin Ave	SANTA CLARA	95050	433A
14	Ambitech Int'l, Inc.- Hunter Tech. Div.	SC-338B	3305 Kifer Rd	SANTA CLARA	95051	433A
15	Amex Plating, Inc.	SC-182B	3333 Woodward Ave	SANTA CLARA	95054	433A
16	Applied Anodize, Inc.	SJ-025B	622 Charcot Ave	SAN JOSE	95131	433A
17	Applied Materials, Bldgs. 2 & 3	SC-092A	3300 Scott Blvd	SANTA CLARA	95054	433A
18	Arnold's Metal Finishing	SC-369B	805 Aldo Ave	SANTA CLARA	95054	433A
19	Beta Circuits	SC-318B	1200 Norman Ave	SANTA CLARA	95054	433A
20	Bi-CMOS Foundry	SC-349B	975 Comstock St	SANTA CLARA	95054	469A
21	Bluegrass Mills Holdings Company, LLC	SC-371B	2600 De La Cruz Blvd	SANTA CLARA	95050	430J
22	Burke Industries, Inc. (Tenth)	SJ-201B	2250 S Tenth St	SAN JOSE	95112	428G
23	California Paperboard Corp.	SC-005C	525 Mathew St	SANTA CLARA	95050	430J
24	CBR Circuits	MI-013B	116 Minnis Cir	MILPITAS	95035	433A
25	Celeritek, Inc.	SC-205B	3236 Scott Blvd	SANTA CLARA	95054	433A & 469A
26	Cirexx Corp.	SC-034A	3391 Keller St	SANTA CLARA	95054	433A
27	City of Santa Clara, dba Silcon Valley Power, Pico Power Project	SC-354B	850 Duane Ave	SANTA CLARA	95054	423
28	Clean Harbors San Jose LLC	SJ-487A	1021 Berryessa Rd	SAN JOSE	95133	437A
29	Coherent, Inc.	SC-173B	5100 Patrick Henry Dr	SANTA CLARA	95054	469A
30	Component Finishing, Inc.	SC-002B	800 Aldo Ave	SANTA CLARA	95054	433A
31	Compugraphics USA	WV-052B	120C Albright Way	LOS GATOS	95030	433A

UPDATED LIST OF REGULATED SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
32	Cordova Printed Circuits	MI-017B	1648 Watson Ct	MILPITAS	95035	433A
33	Crain Cutter Co. Inc.	MI-070C	1155 Wrigley Way	MILPITAS	95035	433A
34	CS Plating	SJ-071B	1258 Alma Ct	SAN JOSE	95112	413A-H
35	CSL, Inc./AA Metal Processing	SC-133B	529 Aldo Ave	SANTA CLARA	95054	433A
36	Cypress Semiconductor (3901 N. 1st)	SJ-024A	3901 N 1st St	SAN JOSE	95134	469A
37	Cypress Semiconductor Corp.(3939 N. 1st)	SJ-460B	3939 N 1st St	SAN JOSE	95134	469A
38	Data Circuit Systems Inc dba Merix San Jose	SJ-518B	335 Turtle Creek Ct	SAN JOSE	95125	433A
39	Diana Fruit Company	SC-002C	651 Mathew St	SANTA CLARA	95050	407
40	Dimatix, Inc (formerly Spectra, Inc.)	SC-342B	2230 Martin Ave	SANTA CLARA	95050	433A
41	Du All Anodizing Company	SJ-010B	730 Chestnut St	SAN JOSE	95110	433A
42	Dynamic Details, Inc	MI-014A	1831 Tarob Ct	MILPITAS	95035	433A
43	Eagle Tech Inc	SJ-520B	2299 Ringwood Ave	SAN JOSE	95131	433A
44	ECS Refining	SC-144B	705 Reed St	SANTA CLARA	95050	421L
45	E-Fab, Inc.	SC-096B	1075 Richard Ave	SANTA CLARA	95050	433A
46	Elcon, Inc.	SJ-063B	1009 Timothy Dr	SAN JOSE	95133	433A
47	ENS Technology	SC-252A	3165 Molinaro St	SANTA CLARA	95054	433A
48	EPZ, Inc.	SC-328B	3005 Copper Rd	SANTA CLARA	95051	433A
49	Etched Media	WV-009B	101 Gilman Ave	CAMPBELL	95008	433A
50	Evenstar	SC-034B	809 Aldo Ave	SANTA CLARA	95054	433A
51	Excelics Semiconductor, Inc.	SC-256B	2908 Scott Blvd	SANTA CLARA	95054	469A
52	Exchange Linen Service	SJ-022C	2222 Senter Rd	SAN JOSE	95112	>25K GPD
53	Fairchild Imaging, Inc.	MI-100B	1801 McCarthy Blvd	MILPITAS	95035	469A
54	Finishing First, Inc.	SC-010B	1020 Duane Ave	SANTA CLARA	95054	433A
55	Flex Interconnect Tech	MI-116B	1603 Watson Ct	MILPITAS	95035	433A
56	G & K Services	SJ-313C	2275 Junction Ave	SAN JOSE	95131	>25K GPD
57	Harbor Electronics, Inc.	SC-301B	3021 Kenneth St	SANTA CLARA	95054	433A
58	Haro's Anodizing Specialists	SC-222B	630 Walsh Ave	SANTA CLARA	95050	433A
59	Headway Technologies, Inc.	MI-057A	497 S Hillview Dr	MILPITAS	95035	433A
60	Hitachi Global Storage Technologies, Inc.	SJ-533B	3403 Yerba Buena Rd	SAN JOSE	95135	433A
61	Hitachi Global Technologies, Inc	SJ-495A	5600 Cottle Rd	SAN JOSE	95123	433A
62	Hi-Temp Technologies, Inc.	SJ-122B	118 Charcot Ave	SAN JOSE	95131	433A
63	IBM Almaden Center	SJ-284B	650 Harry Rd	SAN JOSE	95120	433A
64	INTA Technologies	SC-307B	2281 Calle de Luna	SANTA CLARA	95054	433A
65	Intel Corporation, SC-1	SC-030A	3065 Bowers Ave	SANTA CLARA	95052	469A
66	Intel Corporation, SC-2	SC-277A	3065 Bowers Ave	SANTA CLARA	95052	433A

UPDATED LIST OF REGULATED SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
67	Intel Corporation	SC-028A	2150 Mission College Blvd	SANTA CLARA	95052	469A
68	Intel, Corp. D2P3	SC-249A	2150 Mission College Blvd	SANTA CLARA	95052	469A
69	International Disposal Corporation, Inc	SJ-437A	700 Los Esteros Rd	SAN JOSE	95134	>25K GPD
70	Intevac	SC-259B	3580 Bassett St	SANTA CLARA	95054	469A
71	Ionics UltraPure Water Corporation	SJ-393A	5900 Silver Creek Valley Rd	SAN JOSE	95138	>25K GPD
72	Italix, Inc.	SC-028B	2232 Calle Del	SANTA CLARA	95054	413A-H
73	J & K Anodize, Inc	SJ-524B	354 Umbarger Rd	SAN JOSE	95111	433A
74	JDS Uniphase (Rose)	SJ-493B	80 Rose Orchard Way	SAN JOSE	95134	469A
75	Jennings Technology Corporation	SJ-216B	970 McLaughlin Ave	SAN JOSE	95122	433A & 468A
76	Johnson Matthey, Inc	SJ-499B	1070 Commercial St	SAN JOSE	95112	471C
77	K & S Metal Finishing Co.	SC-298B	1232 Memorex Dr	SANTA CLARA	95050	433A
78	Kion Technology, Inc.	SJ-191B	2190 Old Oakland Rd	SAN JOSE	95131	433A
79	KMIC Technology, Inc (formerly CPI)	SJ-504B	1019 E Brokaw Rd	SAN JOSE	95131	433A
80	Komag, Inc. Bldg. 10	SJ-341A	1710 Automation Pkwy	SAN JOSE	95131	>25K GPD
81	Lenthor Engineering, LLC	MI-112B	1478 Gladding Ct	MILPITAS	95035	433A
82	Lenthor Engineering	MI-018B	1514 Gladding Ct	MILPITAS	95035	433A
83	Lightwaves 2020	MI-104B	1323 Great Mall Dr	MILPITAS	95035	469B
84	Linear Technology Corporation	MI-088B	275 S Hillview Dr	MILPITAS	95035	469A
85	LSA-CLEANPART, LLC	SJ-318B	1610-B Berryessa Rd	SAN JOSE	95133	433A
86	Magic Technologies, Inc	MI-118B	463 S Milpitas Blvd	MILPITAS	95035	433A & 469A
87	Maxim Integrated Products, Inc.	SJ-369B	3725 N 1st St	SAN JOSE	95134	469A
88	Merit Sensor Systems	SC-164B	2330 Walsh Ave	SANTA CLARA	95051	469A
89	Metcalf Energy Center LLC	SJ-515B	1 Blanchard Rd	SAN JOSE	95013	423
90	Micrel, Inc.	SJ-258A	1849 Fortune Dr	SAN JOSE	95131	469A
91	Micro-Chem, Inc.	SC-218B	2986 Oakmead Village Ct	SANTA CLARA	95051	433A
92	Mohawk Packing, Div. of John Morrell	SJ-373C	1660-Old Bayshore Hwy	SAN JOSE	95106	>25K GPD
93	M-Pulse Microwave, Inc.	SJ-035B	576 Charcot Ave	SAN JOSE	95131	433A & 469A
94	M'S Refinishing	SC-120B	965 Richard Ave	SANTA CLARA	95050	433A
95	Nanoink, Inc	WV-058B	215 E Hacienda Ave	CAMPBELL	95008	469A
96	NanoNexus, Inc	SJ-501B	2520 Junction Ave	SAN JOSE	95131	433A
97	Novellus Systems, Inc. 4000 N. First	SJ-383B	4000 N 1st St	SAN JOSE	95134	433A
98	Nu-Metal Finishing, Inc.	SC-064B	2262 Calle Del	SANTA CLARA	95054	433A
99	OLS Energy-Agnews, Inc.	SJ-388B	3800 Cisco Way	SAN JOSE	95134	423
100	Pac Tech USA Packaging	SC-343B	328 Martin Ave	SANTA CLARA	95050	433A
101	Paramount's Great America	SC-304A	2401 Agnew Rd	SANTA CLARA	95054	>25K GPD

UPDATED LIST OF REGULATED SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
102	Parlex Corporation - San Jose Division	SJ-459B	1756 Junction Ave	SAN JOSE	95112	433A
103	Peninsula Coating Svcs.	SC-210B	809 Aldo Ave	SANTA CLARA	95054	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	Prodigy Surface Tech, Inc.	SC-344B	807 Aldo Ave	SANTA CLARA	95054	433A
109	Prudential Overall Supply	MI-040B	1429 N Milpitas Blvd	MILPITAS	95035	>25K GPD
110	Pycon, Inc.	SC-061A	3501 Leonard Ct	SANTA CLARA	95051	433A
111	Pyramid Circuits	SC-009B	1405 Richard Ave	SANTA CLARA	95050	433A
112	Qualcomm MEMS Technologies	SJ-522B	2581 Junction Ave	SAN JOSE	95134	469A
113	Quality Plating, Inc.	SJ-079B	1680 Almaden Expy	SAN JOSE	95125	433A
114	QualTech Circuits, Inc.	SC-345B	1101 Comstock St	SANTA CLARA	95054	433A
115	Reaction Technology	SC-147B	3400 Bassett St	SANTA CLARA	95054	>25K GPD
116	S.J. Valley Plating, Inc.	SC-017B	491 Perry Ct	SANTA CLARA	95054	433A
117	San Jose State University Cogen Plant	SJ-448B	260 S 9th St	SAN JOSE	95112	423
118	San Jose Water Co WV-902B Saratoga Filtration Plant	WV-902B	Saratoga Drinking Water Plant, Hwy Hwy	SARATOGA	95070	>25K GPD
119	Sanmina Corp Plant I	SJ-022A	2101 O'toole Ave	SAN JOSE	95131	433A
120	Sanmina Corp Plant II	SJ-043A	2068 Bering Dr	SAN JOSE	95131	433A
121	Santa Clara Plating Co.	SC-029B	1769 Grant St	SANTA CLARA	95050	433A
122	Santa Clara Valley Health and Hospital S	WV-055B	751 S Bascom Ave	SAN JOSE	95128	>25K GPD
123	Seagate Technology, Incorporated	MI-105A	195 S Milpitas Blvd	MILPITAS	95035	>25K GPD
124	Serra Micro Chassis	SJ-034A	3590 Snell Ave	SAN JOSE	95136	433A
125	Silicon Microstructures	MI-108B	1701 McCarthy Blvd	MILPITAS	95035	469A
126	Silicon Valley Electroplating Corp.	MI-055B	1486 Gladding Ct	MILPITAS	95035	433A
127	Sipex Corporation MI	MI-075B	233 S Hillview Dr	MILPITAS	95035	469A
128	Streamline Circuits	SC-350A	1415 Richard Ave	SANTA CLARA	95050	433A
129	Sun Surface Technology	SJ-510B	950 Rincon Cir	SAN JOSE	95131	433A
130	Superior Chrome	SJ-263B	1616 Pomona Ave	SAN JOSE	95110	433A
131	Supertex, Inc.	SJ-398B	71 Vista Montana	SAN JOSE	95134	469A
132	Swift Metal Finishing	SC-035B	1161 Richard Ave	SANTA CLARA	95050	433A
133	T. Marzetti Co.- West	MI-004C	876 Yosemite Dr	MILPITAS	95035	>25K GPD
134	Teikoku Pharma USA	SJ-513B	1718 Ringwood Ave	SAN JOSE	95131	439D
135	Telewave, Inc	SJ-471B	660 Giguere Ct	SAN JOSE	95133	433A

UPDATED LIST OF REGULATED SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
136	Teltec Corporation DBA: Gorilla Circuits	SJ-449B	1509 Berger Dr	SAN JOSE	95112	433A
137	THAT Corporation	MI-078B	495 Fairview Way	MILPITAS	95035	469A
138	Toppan Photomasks, Inc.	SC-050B	2920/2970 Coronado Dr	SANTA CLARA	95054	433A
139	Triad Tool And Engineering, Inc.	SJ-273B	1750 Rogers Ave	SAN JOSE	95112	433A
140	Twin Solutions, Inc	SJ-527B	163 Baypointe Pkwy	SAN JOSE	95134	433A
141	Tyco Electronics, M/A-COM	SJ-494B	5300 Hellyer Ave	SAN JOSE	95138	433A
142	Tyco Printed Circuit Group/ Santa Clara	SC-285A	359 Mathew St	SANTA CLARA	95050	433A
143	U.S. Filter/Ionpure, Inc.	MI-065C	960 Ames Ave	MILPITAS	95035	>25K GPD
144	Uni-Flex Circuits, Inc.,	SJ-399B	1782 Angela St	SAN JOSE	95125	433A
145	United Plating	SJ-347B	810 Park Ave	SAN JOSE	95126	433A
146	Universal Semiconductor Technology, Inc	SC-370B	3236 Scott Blvd	SANTA CLARA	95054	469A
147	Universal Semiconductor	SJ-150B	1925 Zanker Rd	SAN JOSE	95112	469A
148	University Plating	SJ-028B	650 University Ave	SAN JOSE	95110	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, Inc - Autumnvale	SJ-294B	2467 Autumnvale Dr	SAN JOSE	95131	>25K GPD
155	WJ Communications	MI-090B	1530 McCarthy Blvd	MILPITAS	95035	433A & 469A

Deleted SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	SIU REASON	REASON FOR DELETION
1	California Eastern Labs	SC-109B	4590 Patrick Henry Dr	SANTA CLARA	95054	433A	Permit Expired on 11/01/2006
2	Crown Disc	MI-115B	1103 Montague Expy	MILPITAS	95035	433A	Out of Business
3	J & B Enterprises	SC-327B	1650 Russell Ave	SANTA CLARA	95054	>25K GPD	Permit Expired on 03/01/2006
4	Jefferson Smurfit (Container Corp.)	SC-003C	2600 De la Cruz Blvd	SANTA CLARA	95050	430J	Ownership change
5	K & S Semitec Corporation	SC-288B	3025 Stender Way	SANTA CLARA	95054	433A	Out of Business
6	Kulicke & Soffa Industries, Inc	SJ-467B	30 W Montague Expy	SAN JOSE	95134	433A	Out of Business
7	MMC Technology, Inc.(formerly Max Media)	SJ-483A	2001 Fortune Dr	SAN JOSE	95131	433A	Out of Business
8	Novellus Systems, Inc. 81 Vista Montana	SJ-190B	81 Vista Montana	SAN JOSE	95134	>25K GPD	Out of Business
9	Pacific Aerospace Services	WV-001B	354 Mcglincey Ln	CAMPBELL	95008	433A	IU did not apply for renewal
10	THAT Intergrated Systems Corporation	MI-078B	495 Fairview Way	MILPITAS	95035	469A	Name changed to THAT Corporation

NEWLY PERMITTED SIUs - 2006

	COMPANY NAME	PERMIT NO.	ADDRESS	CITY	ZIP	REASON SIU
1	Magic Technologies, Inc	MI-118B	463 S Milpitas Blvd	MILPITAS	95035	433A & 469A
2	Qualcomm MEMS Technologies	SJ-522B	2581 Junction Ave	SAN JOSE	95134	469A

Compliance Activities 2006

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		
Exchange Linen Service 2222 Senter Rd SAN JOSE, CA 95112	SJ-022C	1	1	15	1	CC	Consistent Compliance in 2006
		2		17		CC	
		3	1	16	1	CC	
		4		17		CC	
G & K Services 2275 Junction Ave SAN JOSE, CA 95131	SJ-313C	1				NS	Consistent compliance in 2006.
		2	1	1	1	CC	
		3				NS	
		4	1	1	1	CC	
International Disposal Corporation, Inc 700 Los Esteros Rd SAN JOSE, CA 95134	SJ-437A	1				NS	A verbal warning was issued in the fourth quarter for 5 >pH< 6 on a SMR. This IU hauls landfill leachate to the POTW.
		2	2	1	1	CC	
		3				NS	
		4	1	2	2	CC	
Ionics UltraPure Water Corporation 5900 Silver Creek Valley Rd SAN JOSE, CA 95138	SJ-393A	1	1	6	1	CC	Consistent Compliance in 2006
		2	1	7		CC	
		3		6	1	CC	
		4		8		CC	

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Compliance Activities 2006

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		
Komag, Inc. Bldg. 10 1710 Automation Pkwy SAN JOSE, CA 95131	SJ-341A	1	1	6		CC	Consistent Compliance in 2006
		2		7	1	CC	
		3		6		CC	
		4	1	7	1	CC	
Mohawk Packing, Div. of John Morrell 1660-Old Bayshore Hwy SAN JOSE, CA 95106	SJ-373C	1	1	17	1	CC	A Verbal Warning was issued in the third and fourth quarters for high oil and grease and pH. The company was in consistent compliance the rest of the year.
		2		18	1	CC	
		3		18		IL	
		4		18		CC	
Novellus Systems, Inc. 81 Vista Montana 81 Vista Montana SAN JOSE, CA 95134	SJ-190B	1		6	1	CC	Consistent compliance in 2006. IU ceased discharge in the second quarter of 2006.
		2	1	6		CC	
		3				NS	
		4				NS	
Paramount's Great America 2401 Agnew Rd SANTA CLARA, CA 95054	SC-304A	1	2			NS	Consistent compliance in 2006. No monitoring of pollutant is required. Only flow data is required.
		2				NS	
		3				NS	
		4	1		1	NS	

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Compliance Activities 2006

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	3	4	CC	A Verbal Warning was issued in the fourth quarter for violation of local limit for oil & grease and avearge annual concentration limit for copper.
		2		2	1	CC	
		3		1		CC	
		4	1	4	3	IL	
Reaction Technology 3400 Bassett St SANTA CLARA, CA 95054	SC-147B	1	2	1		CC	Consistent Compliance in 2006
		2			1	CC	
		3	3	1		CC	
		4			1	CC	
San Jose Water Co WV-902B Saratoga Filtration Plant Saratoga Drinking Water Plant, Hwy Hw SARATOGA, CA 95070	WV-902B	1	2	1	1	CC	Consistent compliance in 2006.
		2				NS	
		3			1	CC	
		4	1	1		CC	
Santa Clara Valley Health and Hospital S 751 S Bascom Ave SAN JOSE, CA 95128	WV-055B	1	2			NS	Consistent compliance in 2006. No monitoring of pollutant is required. Only flow data is required.
		2			1	NS	
		3				NS	
		4				NS	

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Compliance Activities 2006

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		4	3	CC	Consistent Compliance in 2006
		2	1	1	4	CC	
		3	1	3	4	CC	
		4	1	2	3	CC	
T. Marzetti Co.- West 876 Yosemite Dr MILPITAS, CA 95035	MI-004C	1		2	1	CC	Consistent Compliance in 2006
		2	1	3		CC	
		3	1	3	1	CC	
		4	1	2		CC	
U.S. Filter/Ionpure, Inc. 960 Ames Ave MILPITAS, CA 95035	MI-065C	1	3	2		IL	A Verbal Warning was issued in the first quarter for violation of the local limit for pH. The violation was caused by inaccurate monitoring equipment. The IU has since upgraded their equipment and also installed a more representative sample point.
		2		2	1	CC	
		3		3		CC	
		4	1	1		CC	
Wafer Reclaim Service, Inc 2467 Autumnvale Dr SAN JOSE, CA 95131	SJ-294B	1				NS	Consistent compliance in 2006.
		2	1	1	2	CC	
		3				NS	
		4	1	1	1	CC	

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Compliance Activities 2006

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	SC-002C	1	1	15	1	CC	Consistent Compliance in 2006
		2		15		CC	
651 Mathew St SANTA CLARA, CA 95050		3	1	15	1	CC	
		4		15		CC	

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Compliance Activities 2006

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	1	9	14	CC	Consistent Compliance in 2006
		2	2	5		CC	
1021 Berryessa Rd SAN JOSE, CA 95133		3	1	7	1	CC	
		4	1	6		CC	

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Compliance Activities 2006

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 970 McLaughlin Ave SAN JOSE, CA 95122	SJ-216B	1	1		1	CC	A Notice of Violation was issued in the second quarter for silver violation. Subsequent samples were in compliance.
		2	3	5	1	IF	
		3			1	CC	
		4	1	3	1	CC	

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Compliance Activities 2006

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Electrical and Electronic Components - Crystal Growing - 40 CFR 469 Subpart B**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Lightwaves 2020	MI-104B	1		1	1	CC	Consistent compliance in 2006
		2	1	1	1	CC	
1323 Great Mall Dr		3		1	1	CC	
MILPITAS, CA 95035		4	1			NS	

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Compliance Activities 2006

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		2		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		3		CC	
		4	1		1	CC	
Bi-CMOS Foundry 975 Comstock St SANTA CLARA, CA 95054	SC-349B	1	1	1		CC	Consistent Compliance in 2006
		2			1	CC	
		3		1		CC	
		4	1		2	CC	
Celeritek, Inc. 3236 Scott Blvd SANTA CLARA, CA 95054	SC-205B	1		2	1	IF/IL	One Notice of Violation issued in 1st quarter 2006 for federal and local pH violation.
		2	1			NS	
		3		2	1	CC	
		4	1			NS	
Coherent, Inc. 5100 Patrick Henry Dr SANTA CLARA, CA 95054	SC-173B	1		1		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		1		CC	
		4	1		1	CC	

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Compliance Activities 2006

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		
Cypress Semiconductor (3901 N. 1st) 3901 N 1st St SAN JOSE, CA 95134	SJ-024A	1		7	1	CC	Consistent Compliance in 2006
		2	1	6		CC	
		3		7	1	CC	
		4	1	6		CC	
Cypress Semiconductor Corp.(3939 N. 1st) 3939 N 1st St SAN JOSE, CA 95134	SJ-460B	1	1	1	1	CC	Consistent Compliance in 2006.
		2	1			NS	
		3	1			NS	
		4			1	CC	
Excelics Semiconductor, Inc. 2908 Scott Blvd SANTA CLARA, CA 95054	SC-256B	1	1			NS	Consistent compliance in 2006.
		2		1	2	CC	
		3	1			NS	
		4		1	1	CC	
Fairchild Imaging, Inc. 1801 McCarthy Blvd MILPITAS, CA 95035	MI-100B	1	1	2		CC	Consistent Compliance in 2006
		2	3	2	1	CC	
		3		3		CC	
		4		3	1	CC	

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Compliance Activities 2006

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		
Intel Corporation 2150 Mission College Blvd SANTA CLARA, CA 95052	SC-028A	1				NS	Consistent compliance in 2006.
		2	1	1	1	CC	
		3	1			NS	
		4		1		CC	
Intel Corporation, SC-1 3065 Bowers Ave SANTA CLARA, CA 95052	SC-030A	1				NS	Consistent compliance in 2006.
		2	1	1	1	CC	
		3	1			NS	
		4		1		CC	
Intel, Corp. D2P3 2150 Mission College Blvd SANTA CLARA, CA 95052	SC-249A	1			3	CC	Consistent Compliance in 2006
		2	1	2	3	CC	
		3	1		3	CC	
		4		2	3	CC	
Intevac 3580 Bassett St SANTA CLARA, CA 95054	SC-259B	1	1			NS	A Notice of Violation was issued in the fourth quarter for late submittal of a Self Monitoring Report. This report was more than 30 days late; Intevac is considered to be in significant noncompliance.
		2		1		CC	
		3	1			NS	
		4		1	1	SNF/SNL	

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Compliance Activities 2006

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		
JDS Uniphase (Rose) 80 Rose Orchard Way SAN JOSE, CA 95134	SJ-493B	1	1		4	IL	A Notice of Violation and an Administrative Citation were issued in the first quarter for violation of the local limit for arsenic.
		2		4		CC	
		3	1		1	CC	
		4	1	3		CC	
Linear Technology Corporation 275 S Hillview Dr MILPITAS, CA 95035	MI-088B	1	1	2		CC	Consistent Compliance in 2006
		2		3	1	CC	
		3	1	3		CC	
		4		2	1	CC	
Magic Technologies, Inc 463 S Milpitas Blvd MILPITAS, CA 95035	MI-118B	1	2			NS	A Warning Notice was issued in the second quarter for violation of the federal limit for copper.
		2		7	3	IF	
		3	1		1	CC	
		4	1	7	2	CC	
Maxim Integrated Products, Inc. 3725 N 1st St SAN JOSE, CA 95134	SJ-369B	1	1	6	1	CC	Consistent Compliance in 2006
		2	1	7		CC	
		3		6		CC	
		4		7	1	CC	

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Compliance Activities 2006

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	A Warning Notice was issued in the third quarter for violation of late SMR. SMR was due on 06/30/06 and was received on 07/28/06.
		2				NS	
		3	2		1	IL	
		4		1	1	CC	
Micrel, Inc. 1849 Fortune Dr SAN JOSE, CA 95131	SJ-258A	1	1	6		CC	Consistent Compliance in 2006
		2	1	7	1	CC	
		3		6		CC	
		4		7	1	CC	
M-Pulse Microwave, Inc. 576 Charcot Ave SAN JOSE, CA 95131	SJ-035B	1	1	3		CC	Consistent Compliance in 2006
		2			1	CC	
		3		2		CC	
		4			1	CC	
Nanoink, Inc 215 E Hacienda Ave CAMPBELL, CA 95008	WV-058B	1	1			NS	Consistent compliance in 2006.
		2		1	1	CC	
		3	1			NS	
		4		1	1	CC	

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Compliance Activities 2006

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		
PerkinElmer, Inc.-Optoelectronics 2175 Mission College Blvd SANTA CLARA, CA 95054	SC-264A	1	1	1	1	CC	Consistent compliance in 2006.
		2				NS	
		3				NS	
		4	1	1	1	CC	
Philips Lumileds Lighting Company, LLC 370 W Trimble Rd SAN JOSE, CA 95131	SJ-528B	1	1	5	3	CC	Consistent Compliance in 2006
		2	1	6	2	CC	
		3	1	8	3	CC	
		4	1	6		CC	
Qualcomm MEMS Technologies 2581 Junction Ave SAN JOSE, CA 95134	SJ-522B	1	4		1	NS	Consistent compliance in 2006.
		2		3	1	CC	
		3	1	6	1	CC	
		4		7	2	CC	
Silicon Microstructures 1701 McCarthy Blvd MILPITAS, CA 95035	MI-108B	1		3	1	CC	A Notice of Violation was issued in the second quarter for a violation of the local and federal limit for pH. The violation was corrected as evidenced by sample taken on 5/1/06.
		2	1	2		IF/IL	
		3		4	1	CC	
		4	1	2		CC	

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Compliance Activities 2006

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		
Sipex Corporation MI	MI-075B	1	1	2	1	CC	Consistent Compliance in 2006
		2		3		CC	
233 S Hillview Dr		3		3	1	CC	
MILPITAS, CA 95035		4	1	2	1	CC	
Supertex, Inc.	SJ-398B	1		7	1	CC	Consistent Compliance in 2006
		2	1	6		CC	
71 Vista Montana		3		7	1	CC	
SAN JOSE, CA 95134		4	1	6		CC	
THAT Corporation	MI-078B	1		2	1	CC	Consistent compliance in 2006.
		2	1			NS	
495 Fairview Way		3			1	CC	
MILPITAS, CA 95035		4	1	1		CC	
Universal Semiconductor	SJ-150B	1		1		CC	Consistent Compliance in 2006
		2	1		1	CC	
1925 Zanker Rd		3		1		CC	
SAN JOSE, CA 95112		4	1		1	CC	

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Compliance Activities 2006

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 Technology, Inc 3236 Scott Blvd SANTA CLARA, CA 95054	SC-370B	1				NS	See Celeritek.
		2					
		3					
		4					
Vishay/Siliconix 2201 Laurelwood Rd SANTA CLARA, CA 95054	SC-282A	1			1	CC	Consistent compliance in 2006.
		2	2	4	1	CC	
		3	1			NS	
		4	1	4		CC	
VISSSIX LLC 2966 Scott Blvd SANTA CLARA, CA 95054	SC-284B	1		1		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		1		CC	
		4	1		1	CC	
VLSI Standards, Inc., 3087 N 1st St SAN JOSE, CA 95134	SJ-305B	1		1	1	CC	Consistent compliance in 2006.
		2	1			NS	
		3	1	1	1	CC	
		4				NS	

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Compliance Activities 2006

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		
WJ Communications	MI-090B	1		2	1	CC	A Verbal Warning was issued in the second quarter for violation of the federal daily max for cadmium. Sample taken on 7/26/2006 was in compliance.
		2	1	6		IF	
1530 McCarthy Blvd MILPITAS, CA 95035		3		2	2	CC	
		4	1	1		CC	

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Compliance Activities 2006

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	SJ-071B	1	1	2		IL	The Warning Notice was issued in first quarter for violating local limit for cyanide. Subsequent samples were in compliance.
		2	1	1	1	CC	
1258 Alma Ct		3		2		CC	
SAN JOSE, CA 95112		4			1	CC	
Italix, Inc.	SC-028B	1	1	2		CC	Consistent compliance in 2006.
		2			1	CC	
2232 Calle Del		3		2		CC	
SANTA CLARA, CA 95054		4				NS	

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Compliance Activities 2006

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				NS	No industrial wastewater discharged to sanitary sewer in 2006.
		2	1			NS	
		3				NS	
		4	1			NS	
Hitachi Global Technologies, Inc 5600 Cottle Rd SAN JOSE, CA 95123	SJ-495A	1	2	17	2	CC	Consistent Compliance in 2006
		2	1	12	3	CC	
		3		14	3	CC	
		4	1	11	3	CC	
Intel Corporation, SC-2 3065 Bowers Ave SANTA CLARA, CA 95052	SC-277A	1				NS	Consistent compliance in 2006.
		2	1	1	1	CC	
		3	1			NS	
		4		2		CC	
Jennings Technology Corporation 970 McLaughlin Ave SAN JOSE, CA 95122	SJ-216B	1	1		1	CC	A Notice of Violation was issued in the second quarter for silver violation. Subsequent samples were in compliance.
		2	3	5	1	IF	
		3			1	CC	
		4	1	3	1	CC	

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Compliance Activities 2006

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	2	5	CC	Consistent Compliance in 2006
		2			4	CC	
		3	1	2	4	CC	
		4			5	CC	
A-1 Plating, Inc. 2655 Lafayette St SANTA CLARA, CA 95050	SC-041A	1	1	2	1	CC	Consistent compliance in 2006
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	
A-1 Plating, Inc. (Walsh) 870 Walsh Ave SANTA CLARA, CA 95050	SC-329B	1	1	2	1	CC	Consistent compliance in 2006
		2	2			NS	
		3	1	1	1	CC	
		4	1			NS	
Adaptive Circuits 1565-A Mabury Rd SAN JOSE, CA 95133	SJ-020A	1	1	3	3	CC	Consistent Compliance in 2006
		2	1		3	CC	
		3		3	3	CC	
		4	1		3	CC	

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Compliance Activities 2006

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 Component Labs 990 Richard Ave SANTA CLARA, CA 95050	SC-360B	1	1		1	CC	Consistent Compliance in 2006
		2	1	3		CC	
		3	1		1	CC	
		4	1	3		CC	
Advanced Metal Finishers LLC 1291 Oakland Rd SAN JOSE, CA 95112	SJ-516B	1	1	2		CC	Consistent Compliance in 2006
		2			1	CC	
		3	1	2		CC	
		4			1	CC	
Advanced Power Technology-RF, Inc. 3000 Oakmead Village Ct SANTA CLARA, CA 95051	SC-346B	1		2		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		3		CC	
		4	1		1	CC	
Advanced Printed Circuit Technology 3495 De la Cruz Blvd SANTA CLARA, CA 95054	SC-065A	1	1		3	CC	Consistent Compliance in 2006
		2	1	1	3	CC	
		3	1		3	CC	
		4	1	4	3	CC	

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Compliance Activities 2006

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	1	3	3	IL	3 Verbal warnings and 1 Warning Notice were issued in the 1st quarter of 2006 for Group 2 annual average limit violations for copper. 4 verbal warnings, 9 Warning Notices, and 2 Notices of Violation were issued in the 2nd quarter for federal and local copper, nickel, and pH violations. 11 Warning Notices were issued in the 3rd quarter for copper and nickel local annual average violations. 1 Notice of Violation was issued in the 3rd quarter for federal and local daily maximum limits violation for copper. 1 Administrative Citation was issued in the 3rd quarter for local and federal copper daily maximum violation. 7 Verbal Warnings were issued in the 4th quarter for copper and nickel group 2 local annual average limit violations. 8 Warning Notices were issued in the 4th quarter for copper and nickel group 2 local annual average limit violations.
		2	2	5	4	IF/IL	
		3	2	5	4	IF/IL	
		4	1	5	5	IL	
Agilent Technologies, Inc.(Stevens Creek) 5301 Stevens Creek Blvd SANTA CLARA, CA 95051	SC-321B	1	2	4	1	CC	Consistent compliance in 2006
		2				NS	
		3	1	3	4	CC	
		4				NS	
Airtronics Metal Products 1980 Senter Rd SAN JOSE, CA 95112	SJ-319B	1	1	1		CC	Consistent compliance in 2006
		2				NS	
		3	1	1	1	CC	
		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		
Altaflex, Inc. 336 Martin Ave SANTA CLARA, CA 95050	SC-316B	1	1	2		CC	Consistent Compliance in 2006 Verbal warning for pH strip chart recorder out of paper
		2	1		1	CC	
		3	1	1		CC	
		4	1		1	CC	
Ambitech Int'l, Inc.- Hunter Tech. Div. 3305 Kifer Rd SANTA CLARA, CA 95051	SC-338B	1	1			NS	Consistent compliance in 2006.
		2		2	1	CC	
		3	2			NS	
		4		1	1	CC	
Amex Plating, Inc. 3333 Woodward Ave SANTA CLARA, CA 95054	SC-182B	1	1	2	1	CC	A Notice of Violation was issued in the fourth quater for a federal cyanide violation. The IU has removeed the chemical film conversion solution and replaced it with a comparable new solution that does not list cyanide as a component.
		2	1	4	1	CC	
		3	1	1	2	CC	
		4	1	4		IF	

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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		
Applied Anodize, Inc. 622 Charcot Ave SAN JOSE, CA 95131	SJ-025B	1	1		2	CC	A Verbal Warning was issued in the 2nd quarter for local daily maximum limit violation for chromium and local group 2 annual average limit for copper. 1 Warning Notice was issued in the 2nd quarter for local and federal pH limit violations and local chromium limit violation. 3 Verbal Warnings were issued in the 3rd quarter for local group 2 annual average limit violations for copper. 1 Warning Notice was issued in the 4 th quarter for failure to take and/or report local copper group 2 composite samples.
		2	2	4		IF/IL	
		3	1	1	2	IL	
		4	1	2	2	IL	
Applied Materials, Bldgs. 2 & 3 3300 Scott Blvd SANTA CLARA, CA 95054	SC-092A	1	1	2		CC	Consistent compliance in 2006
		2	1		1	CC	
		3	1	2		CC	
		4	1		1	NS	
Arnold's Metal Finishing 805 Aldo Ave SANTA CLARA, CA 95054	SC-369B	1				NS	Newly permitted IU in the 4th qauater 2006.
		2				NS	
		3	3			NS	
		4	1	2		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		
Beta Circuits 1200 Norman Ave SANTA CLARA, CA 95054	SC-318B	1	1		1	CC	Consistent Compliance in 2006
		2		2		CC	
		3	1		1	CC	
		4		1		CC	
California Eastern Labs 4590 Patrick Henry Dr SANTA CLARA, CA 95054	SC-109B	1				NS	I.U. did not discharge in 2006. I.U. removed all wet processes and chemistries in the 4th quarter of 2006. Permit expired in 4th quarter 2006 - not to be re-newed.
		2	1			NS	
		3				NS	
		4	1			NS	
CBR Circuits 116 Minnis Cir MILPITAS, CA 95035	MI-013B	1	1	3	6	IF/IL	7 Warning Notices were issued in the 1st quarter of 2006 for local group 2 annual average limit violations for copper and one lead federal and local daily maximum limit violation. 7 Verbal Warnings were issued in the 2nd quarter for local group 2 annual average limit violations for copper. 5 Verbal Warnings were issued in the 3rd quarter for local group 2 limit violations for copper. 4 Verbal warnings were issued in the 4th quarter for local group 2 annual average limit violations for coppper and one for local daily maximum for lead. 1 Warning Notice was issued in the 4th quarter for federal and local daily maximum limit and federal monthly average violations for lead.
		2	1	3	6	IL	
		3	1	3	4	IL	
		4	1	3	3	IL	

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Compliance Activities 2006

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		2	1	IF/IL	One Notice of Violation issued in 1st quarter 2006 for federal and local pH violation.
		2	1			NS	
		3		2	1	CC	
		4	1			NS	
Cirexx Corp. 3391 Keller St SANTA CLARA, CA 95054	SC-034A	1	1		11	CC	Consistent Compliance in 2006
		2	1	3	7	CC	
		3			3	CC	
		4	2	4	3	CC	
Component Finishing, Inc. 800 Aldo Ave SANTA CLARA, CA 95054	SC-002B	1	1		1	CC	Consistent Compliance in 2006
		2	1	2		CC	
		3	1		1	CC	
		4	1	2		CC	
Compugraphics USA 120C Albright Way LOS GATOS, CA 95030	WV-052B	1		2		CC	Two Verbal warnings issued in the fourth quarter of 2006 for pH strip chart recorder violations.
		2	1		1	CC	
		3		1		CC	
		4	2		1	IF/IL	

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Compliance Activities 2006

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	1	5	4	CC	A Verbal Warning was issued in the third quarter and one in the fourth quarter for violating the federal average for copper. The violation was due to a malfunction detected in the filtering system. The filter has since been replaced. Routine maintenance is now conducted to assure optimal function of the treatment system.
		2	1	6	3	CC	
		3	1	5	5	IL	
		4	1	5		IL	
Crain Cutter Co. Inc. 1155 Wrigley Way MILPITAS, CA 95035	MI-070C	1		1	1	CC	Consistent compliance in 2006
		2	1			NS	
		3		1	1	CC	
		4	1			NS	
Crown Disc 1103 Montague Expy MILPITAS, CA 95035	MI-115B	1			5	SNF/SNL	Notices of Violation were issued in the first and second quarters for violation of the monthly federal limit for nickel. A Compliance Meeting was held and a compliance schedule was established. The company ceased discharge in the third quarter and went out of business thereafter.
		2	1	4		SNF/SNL	
		3	1			NS	
		4	1			NS	
CSL, Inc./AA Metal Processing 529 Aldo Ave SANTA CLARA, CA 95054	SC-133B	1	1	2	1	CC	Consistent compliance in 2006.
		2	1			NS	
		3	1	2	1	CC	
		4	1			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		
Data Circuit Systems Inc dba Merix San Jose 335 Turtle Creek Ct SAN JOSE, CA 95125	SJ-518B	1	1	8	3	CC	Consistent Compliance in 2006
		2	1	8	3	CC	
		3	2	7		CC	
		4	1	8	1	CC	
Dimatix, Inc (formerly Spectra, Inc.) 2230 Martin Ave SANTA CLARA, CA 95050	SC-342B	1			5	CC	Consistent compliance in 2006.
		2	1	2	1	CC	
		3	1			NS	
		4	1	2	1	CC	
Du All Anodizing Company 730 Chestnut St SAN JOSE, CA 95110	SJ-010B	1	1		1	CC	Consistent compliance in 2006.
		2	1	3		CC	
		3	1			NS	
		4	1	3	1	CC	
Dynamic Details, Inc 1831 Tarob Ct MILPITAS, CA 95035	MI-014A	1	1	4		CC	Permit conditions were not being met as noted during an off hours inspection. This resulted in a compliance meeting being held and a compliance schedule was established.
		2	1	4	1	IF/IL	
		3	2	5		CC	
		4		2	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		
Eagle Tech Inc 2299 Ringwood Ave SAN JOSE, CA 95131	SJ-520B	1	1		4	CC	A Notice of Violation was issued in the fourth quarter for a nickel violation. The IU has installed an additional dragout tank and will be removing this process line, to assure compliance in the future.
		2		3		CC	
		3	1		1	CC	
		4		1	7	IF/IL	
E-Fab, Inc. 1075 Richard Ave SANTA CLARA, CA 95050	SC-096B	1	1		1	CC	Consistent Compliance in 2006
		2	1	2		CC	
		3	1		1	CC	
		4	1	2		CC	
Elcon, Inc. 1009 Timothy Dr SAN JOSE, CA 95133	SJ-063B	1		1	1	CC	Consistent compliance in 2006.
		2	1			NS	
		3	1	3	1	CC	
		4				NS	
ENS Technology 3165 Molinaro St SANTA CLARA, CA 95054	SC-252A	1	1	1	4	CC	Consistent Compliance in 2006
		2	2	4	3	CC	
		3			4	CC	
		4		3	3	CC	

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Compliance Activities 2006

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		3	SNF/SNL	A Notice of Violation was issued in the first quarter for late submittal of a Self Monitoring Report. This report was more than 30 days late; EPZ Inc., is considered to be in significant noncompliance.
		2	2	2	3	CC	
		3	1		1	CC	
		4	1	1		CC	
Etched Media 101 Gilman Ave CAMPBELL, CA 95008	WV-009B	1	1			NS	Consistent compliance in 2006.
		2	1	2	1	CC	
		3				NS	
		4		2	1	CC	
Evenstar 809 Aldo Ave SANTA CLARA, CA 95054	SC-034B	1	1	3	3	IL	The IU has had Copper, Silver and Cyanide violations due to improper procedures and due to the treatment system needing adjustment and maintenance. The IU has opted to affect product substitution to prevent future Cyanide violations and has improved and maintained the treatment system. Facility employees have also been trained to ensure that proper procedures are followed in the future. Will continue to monitor.
		2	1	1	2	IL	
		3	2	3	2	SNF	
		4	1			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		
Finishing First, Inc. 1020 Duane Ave SANTA CLARA, CA 95054	SC-010B	1	1	2	1	CC	Consistent compliance in 2006.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	
Flex Interconnect Tech 1603 Watson Ct MILPITAS, CA 95035	MI-116B	1	1	3	1	CC	A Warning Notice was issued in the fourth quarter for late submittal of self-monitoring report. The report was due on 9/30/2006 and was received on 10/24/2006.
		2	1			NS	
		3	1	2		CC	
		4	1		1	IL	
Harbor Electronics, Inc. 3021 Kenneth St SANTA CLARA, CA 95054	SC-301B	1	1		1	CC	A Notice of Violation was issued in the second quarter for late submittal of a Self Monitoring Report. This report was more than 30 days late; Harbor Electronics, Inc., is considered to be in significant noncompliance.
		2	1	3	2	SNF/SNL	
		3	1		1	CC	
		4	1	3		CC	
Haro's Anodizing Specialists 630 Walsh Ave SANTA CLARA, CA 95050	SC-222B	1	1		1	CC	Consistent Compliance in 2006
		2	1	2		CC	
		3			1	CC	
		4	1	2		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		
Headway Technologies, Inc. 497 S Hillview Dr MILPITAS, CA 95035	MI-057A	1	1	2	3	CC	Consistent Compliance in 2006
		2	1	3	5	CC	
		3	1	1	3	CC	
		4	1	5	3	CC	
Hi-Temp Technologies, Inc. 118 Charcot Ave SAN JOSE, CA 95131	SJ-122B	1	1	3	3	CC	Consistent compliance in 2006.
		2				NS	
		3	1	3	1	CC	
		4				NS	
IBM Almaden Center 650 Harry Rd SAN JOSE, CA 95120	SJ-284B	1	1		6	CC	Consistent Compliance in 2006
		2		3	3	CC	
		3			3	CC	
		4	1	2	1	CC	
INTA Technologies 2281 Calle de Luna SANTA CLARA, CA 95054	SC-307B	1	1		1	CC	Consistent Compliance in 2006
		2		2		CC	
		3			1	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		
J & K Anodize, Inc 354 Umbarger Rd SAN JOSE, CA 95111	SJ-524B	1 2 3 4	1 2 1 1	 4 1	6 1 1 1	SNF/SNL SNF/SNL SNF/SNL SNL	A Notice of Violation and an Administrative Citation were issued for late BMR. Report was due on 12/13/05, it was recieved on 3/30/06. A Notice of Violation and an Administrative Citation was issued for violating local and Federal limits for chromium, nickel and zinc. A Compliance Meeting was held and a compliance schedule established. A Verbal Warning was issued in second quarter for violating local limit for pH. A Warning Notice was issued in the third quarter for Group 2 annual average concentration limit for nickel. A Warning Notice was issued in the fourth quarter for Group 2 annual average concentration limit for nickel. Significant non-compliance due to late BMR and Technical Review Criteria for zinc znd nickel. Company have been sold in Nov., 2006 and a new permit application has been submitted.
K & S Metal Finishing Co. 1232 Memorex Dr SANTA CLARA, CA 95050	SC-298B	1 2 3 4	4 5 3	1 2 1 2	3 1 1	IF/IL IF/IL IL IL	A Notice of Violation was issued in the second quarter for a nickel, copper, zinc and chromium violation. A Compliance Meeting was held and a compliance schedule was set. A Warning Notice was issued in the third quarter for violation of Group 2 annual average concentration limit for nickel. Two Warning Notices were issued in the fourth quarter for violation of Group 2 annual average concentration limit for nickel.

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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		
K & S Semitec Corporation 3025 Stender Way SANTA CLARA, CA 95054	SC-288B	1	1		2	CC	Closed in the 4th quarter
		2				NS	
		3				NS	
		4				NS	
Kion Technology, Inc. 2190 Old Oakland Rd SAN JOSE, CA 95131	SJ-191B	1	1		2	CC	A Warning Notice was issued in the second quarter for violation of local and federal limits for cyanide.
		2	1	3	1	IF/IL	
		3			1	CC	
		4	1	2		CC	
KMIC Technology, Inc (formerly CPI) 1019 E Brokaw Rd SAN JOSE, CA 95131	SJ-504B	1		1		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		1		CC	
		4	1		1	CC	
Kulicke & Soffa Industries, Inc 30 W Montague Expy SAN JOSE, CA 95134	SJ-467B	1	1		1	CC	Consistent Compliance in 2006. The business closed in the third quarter.
		2	1			NS	
		3	1			NS	
		4				NS	

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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		
Lenthor Engineering 1514 Gladding Ct MILPITAS, CA 95035	MI-018B	1	2	5	1	CC	Consistent Compliance in 2006
		2	1	2	1	CC	
		3		5		CC	
		4	1	2	1	CC	
Lenthor Engineering, LLC 1478 Gladding Ct MILPITAS, CA 95035	MI-112B	1	1	4	3	CC	Consistent Compliance in 2006
		2	1	2	4	CC	
		3		4	2	CC	
		4	1	2	3	CC	
LSA-CLEANPART, LLC 1610-B Berryessa Rd SAN JOSE, CA 95133	SJ-318B	1	1			NS	
		2	2	2	1	IL	Two Verbal Warnings was issued in the second quarter for violating local limit for chromium and local group 2 annual average limit for nickel.
		3				NS	
		4	1	2	1	CC	
Magic Technologies, Inc 463 S Milpitas Blvd MILPITAS, CA 95035	MI-118B	1	2			NS	A Warning Notice was issued in the second quarter for violation of the federal limit for copper.
		2		7	3	IF	
		3	1		1	CC	
		4	1	7	2	CC	

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Micro-Chem, Inc. 2986 Oakmead Village Ct SANTA CLARA, CA 95051	SC-218B	1	1		1	CC	A Notice of Violation was issued in the second quarter for violating federal and local limits for copper and lead. A Warning Notice in third quarter and one in fourth quarter were issued for violating local group 2 annual average limits for copper.
		2	1	3	1	IF/IL	
		3			1	IL	
		4	2	2		IL	
MMC Technology, Inc.(formerly Max Media) 2001 Fortune Dr SAN JOSE, CA 95131	SJ-483A	1	2	6	68	CC	The company ceased production in August of 2006, however, clean-up work is being done on a temporary permit
		2	1	7	65	CC	
		3		5	8	CC	
		4				NS	
M-Pulse Microwave, Inc. 576 Charcot Ave SAN JOSE, CA 95131	SJ-035B	1	1	3		CC	Consistent Compliance in 2006
		2			1	CC	
		3		2		CC	
		4			1	CC	
M'S Refinishing 965 Richard Ave SANTA CLARA, CA 95050	SC-120B	1	1	2		CC	Consistent compliance in 2006.
		2				NS	
		3	1	2		CC	
		4			1	CC	

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
NanoNexus, Inc 2520 Junction Ave SAN JOSE, CA 95131	SJ-501B	1	2	4	1	CC	Consistent compliance in 2006.
		2				NS	
		3	1	4	2	CC	
		4				NS	
Novellus Systems, Inc. 4000 N. First 4000 N 1st St SAN JOSE, CA 95134	SJ-383B	1	1	6	1	CC	Consistent Compliance in 2006
		2		8		CC	
		3		8	1	CC	
		4	1	6		CC	
Nu-Metal Finishing, Inc. 2262 Calle Del SANTA CLARA, CA 95054	SC-064B	1	1	2	2	CC	A Verbal Warning and a Notice of Violation was issued in the third quarter for failure to maintain pretreatment equipment. The IU has since completed repairs. The IU was placed on a 50% surcharge on their water bill as a result of this violation.
		2	1		3	CC	
		3	1	2	4	IL	
		4	1		4	CC	
Pac Tech USA Packaging 328 Martin Ave SANTA CLARA, CA 95050	SC-343B	1				NS	Consistent compliance in 2006.
		2	1	3	1	CC	
		3				NS	
		4	1	3	1	CC	

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Pacific Aerospace Services 354 Mcglincey Ln CAMPBELL, CA 95008	WV-001B	1	1			NS	Due to a fire, IU stopped manufacturing in the third quarter of 2005. IU did not discharge any wastewater during 2006 and did not apply for renewal of their discharge permit. Industrial Wastewater Discharge Permit expired on 12/21/06.
		2				NS	
		3				NS	
		4	1			NS	
Parlex Corporation - San Jose Division 1756 Junction Ave SAN JOSE, CA 95112	SJ-459B	1	1		1	CC	Consistent compliance in 2006.
		2	1	1		CC	
		3	1			NS	
		4	1	1	1	CC	
Peninsula Coating Svcs. 809 Aldo Ave SANTA CLARA, CA 95054	SC-210B	1	1			NS	IU ceased discharge in the fourth quarter of 2005. IU did not discharge any wastewater in 2006.
		2				NS	
		3	2			NS	
		4				NS	
Peninsula Metal Fabrication 2221 Ringwood Ave SAN JOSE, CA 95131	SJ-438B	1	1		1	CC	Consistent compliance in 2006.
		2		2	1	CC	
		3				NS	
		4	1	1		CC	

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FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
PK Selective Metal Plating, Inc. 415 Mathew St SANTA CLARA, CA 95050	SC-013B	1	1	2	5	IL	1 Verbal Warning was issued in the 1st quarter of 2006 for local group 2 limit violation for copper. 7 Verbal Warnings were issued in the 2nd quarter for local group 2 annual average limit violations for copper, local pH violation, and a zinc federal monthly average violation. A Verbal warning was issued in the 3rd quarter for local group 2 annual average copper violation
		2	1	3	3	IF/IL	
		3	3	2	3	IL	
		4	1	2	4	CC	
Prodigy Surface Tech, Inc. 807 Aldo Ave SANTA CLARA, CA 95054	SC-344B	1	1		1	CC	Consistent Compliance in 2006
		2		2		CC	
		3	2		1	CC	
		4		2		CC	
Pycon, Inc. 3501 Leonard Ct SANTA CLARA, CA 95051	SC-061A	1	1	5	5	CC	Warning Notice issued on the third quarter for violation of federal daily max and federal monthly average limits for silver. Sample taken on 8/29/2006 was in compliance.
		2	1		3	CC	
		3	1	5	6	IF	
		4	1		3	CC	
Pyramid Circuits 1405 Richard Ave SANTA CLARA, CA 95050	SC-009B	1	1	3	1	CC	Two Warning Notices were issued in the third quarter and two Warning Notices were issued in the fourth quarter for average annual concentration limit violations for copper.
		2		3	1	CC	
		3	1	3	1	IL	
		4		3	1	IL	

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Compliance Activities 2006

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		
Quality Plating, Inc. 1680 Almaden Expy SAN JOSE, CA 95125	SJ-079B	1	1	2		CC	Consistent Compliance in 2006
		2			1	CC	
		3		2		CC	
		4	1		1	CC	
QualTech Circuits, Inc. 1101 Comstock St SANTA CLARA, CA 95054	SC-345B	1	1			NS	Consistent compliance in 2006.
		2	1	2	1	CC	
		3	1	2	1	CC	
		4	1			NS	
S.J. Valley Plating, Inc. 491 Perry Ct SANTA CLARA, CA 95054	SC-017B	1	1	3	1	CC	A Notice of Violation was issued in the fourth quarter for a violation of federal limit for cyanide. A Compliance Meeting was held and a compliance schedule established.
		2				NS	
		3	2		1	CC	
		4		4	1	IF	
Sanmina Corp Plant I 2101 O'toole Ave SAN JOSE, CA 95131	SJ-022A	1	1		3	CC	A verbal Warning was issued in the second quarter for violation of the Group 2 discharge limit for copper.
		2	3	3	2	IL	
		3	1	2	3	CC	
		4	1		3	CC	

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Compliance Activities 2006

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 II 2068 Bering Dr SAN JOSE, CA 95131	SJ-043A	1	1	6	3	CC	A Verbal Warning was issued in the second quarter for failure to maintain the treatment equipment. The unit has been replaced.
		2	3	9	2	IL	
		3	2	6	3	CC	
		4	1	9	3	CC	
Santa Clara Plating Co. 1769 Grant St SANTA CLARA, CA 95050	SC-029B	1	1		1	CC	Consistent Compliance in 2006
		2		1		CC	
		3			1	CC	
		4	1	1		CC	
Serra Micro Chassis 3590 Snell Ave SAN JOSE, CA 95136	SJ-034A	1	1			NS	The company did not discharge in 2006.
		2				NS	
		3				NS	
		4	1			NS	

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Compliance Activities 2006

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	Consistent compliance in 2006
		2				NS	
		3		2	1	CC	
		4	1			NS	
Streamline Circuits 1415 Richard Ave SANTA CLARA, CA 95050	SC-350A	1	1	3	2	CC	A Warning Notice was issued in the third quarter for a violation of local limit for copper.
		2			3	CC	
		3	1	5	1	IL	
		4	1		1	CC	
Sun Surface Technology 950 Rincon Cir SAN JOSE, CA 95131	SJ-510B	1			1	CC	A Warning Notice and Administrative Citation were issued in the third quarter for late submittal of self-monitoring report. The report was due on 8/31/2006 and was received on 9/29/2006.
		2	2	2		CC	
		3	1		1	IL	
		4	1	1		CC	
Superior Chrome 1616 Pomona Ave SAN JOSE, CA 95110	SJ-263B	1		1		IL	A Verbal Warning was issued in the first quarter for violation of Group 2 annual average concentration limit for copper & nickel. A Verbal Warning was issued in the second quarter for violation of Group 2 annual average concentration limit for copper & nickel. Verbal Warning & Warning Notices were issued in the 4th quarter for violation of Group 2 annual average concentration limit for nickel.
		2	2	3	1	IL	
		3	2			NS	
		4	1	2	1	IL	

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Compliance Activities 2006

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		
Swift Metal Finishing 1161 Richard Ave SANTA CLARA, CA 95050	SC-035B	1	1	3	4	IF/IL	A Notice of Violation was issued in the first quarter for violation of federal monthly average limit and local limit for chromium. Compliance meeting was held on 2/22/2006, and a compliance schedule was established. Subsequent samples were in compliance.
		2	1		3	CC	
		3	1	2	2	CC	
		4	1			NS	
Telewave, Inc 660 Giguere Ct SAN JOSE, CA 95133	SJ-471B	1			1	CC	Consistent Compliance in 2006
		2	1	1		CC	
		3			1	CC	
		4	1	1		CC	

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Compliance Activities 2006

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		
Teltec Corporation DBA: Gorilla Circuits 1509 Berger Dr SAN JOSE, CA 95112	SJ-449B	1	1		1	IL	A Verbal Warning was issued in the first quarter for violation of Group 2 annual average concentration limit for copper. One (1) Verbal Warning and two (2) Warning Notices were issued in the second quarter for violation of Group 2 annual average concentration limit for copper. Two (2) Verbal warnings were issued in the second quarter for violation of federal daily max limit and federal monthly average limit for silver.Three (3) Verbal Warnings and one (1) Warning Notice were issued in the third quarter for violation of Group 2 annual average concentration for copper. One (1) Warning Notice was issued for violation of federal daily max limit and federal monthly average limit for cyanide. The annual average concentration limit was caused by a previuos elevated level of copper. The annual average continues to decline. The cyanide violation was caused by a contaminated drag-out bath.
		2	1	5	2	IL	
		3	2	3	5	IF/IL	
		4	1	1		CC	
Toppan Photomasks, Inc. 2920/2970 Coronado Dr SANTA CLARA, CA 95054	SC-050B	1	1	2	3	CC	Consistent compliance in 2006.
		2	1			NS	
		3	1	2	1	CC	
		4	1			NS	

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Compliance Activities 2006

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		
Triad Tool And Engineering, Inc. 1750 Rogers Ave SAN JOSE, CA 95112	SJ-273B	1			1	CC	Consistent compliance in 2006.
		2	1	1	1	CC	
		3	1			NS	
		4		1		CC	
Twin Solutions, Inc 163 Baypointe Pkwy SAN JOSE, CA 95134	SJ-527B	1	1	2	3	CC	Consistent Compliance in 2006
		2	1		5	CC	
		3	1	2	3	CC	
		4	1		3	CC	
Tyco Electronics, M/A-COM 5300 Hellyer Ave SAN JOSE, CA 95138	SJ-494B	1		4	1	CC	Consistent compliance in 2006.
		2	2			NS	
		3		4	2	CC	
		4	1			NS	
Tyco Printed Circuit Group/ Santa Clara 359 Mathew St SANTA CLARA, CA 95050	SC-285A	1	1	5	8	CC	Consistent Compliance in 2006
		2	1		9	CC	
		3	2	6	13	CC	
		4	1		8	CC	

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Compliance Activities 2006

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		
Uni-Flex Circuits, Inc., 1782 Angela St SAN JOSE, CA 95125	SJ-399B	1		1	1	CC	Consistent compliance in 2006.
		2	2			NS	
		3	1	1		CC	
		4	1		1	CC	
United Plating 810 Park Ave SAN JOSE, CA 95126	SJ-347B	1	1	3		IL	A Verbal Warning was issued in the first quarter for violation of Group 2 annual average concentration limit for Nickel. The violation was caused by an elevated level of nickel in IU's May SMR. Subsequent samples were in compliance.
		2	1		1	CC	
		3	1	1		CC	
		4	1		1	CC	
University Plating 650 University Ave SAN JOSE, CA 95110	SJ-028B	1		2	1	CC	Consistent compliance in 2006.
		2	2			NS	
		3	1	1	1	CC	
		4	1			NS	
Variety Metal Finishing 1166 Campbell Ave SAN JOSE, CA 95126	SJ-111B	1	2		16	CC	Consistent compliance in 2006.
		2		2	9	CC	
		3	3	10		CC	
		4	2			NS	

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Compliance Activities 2006

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 2006
		2	1	2		CC	
		3	1		1	CC	
		4	1	1		CC	
Vishay/Siliconix 2201 Laurelwood Rd SANTA CLARA, CA 95054	SC-282A	1			1	CC	Consistent compliance in 2006.
		2	2	4	1	CC	
		3	1			NS	
		4	1	4		CC	
VISSSIX LLC 2966 Scott Blvd SANTA CLARA, CA 95054	SC-284B	1		1		CC	Consistent Compliance in 2006
		2	1		1	CC	
		3		1		CC	
		4	1		1	CC	
WJ Communications 1530 McCarthy Blvd MILPITAS, CA 95035	MI-090B	1		2	1	CC	A Verbal Warning was issued in the second quarter for violation of the federal daily max for cadmium. Sample taken on 7/26/2006 was in compliance.
		2	1	6		IF	
		3		2	2	CC	
		4	1	1		CC	

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Compliance Activities 2006

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Non Ferrous Metals Manufacturing - 40 CFR 421 Subpart L**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
ECS Refining 705 Reed St SANTA CLARA, CA 95050	SC-144B	1 2 3 4	1 1 			NS NS IF/IL NS	A Warning Notice was issued in the third quarter for late submittal of SMR. The IU has committed to timely submittals. No discharge of wastewater to sanitary sewer in 2006.

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Compliance Activities 2006

San Jose / Santa Clara Water Pollution Control Plant

INDUSTRIAL CATEGORY: **Nonferrous Metals Forming and Metal Powders - 40 CFR 471 Subpart C**

FACILITY NAME AND ADDRESS	PERMIT	QTR	INSPECTIONS	SAMPLES		COMPLIANCE STATUS	NOTES
				POTW	IU		
Johnson Matthey, Inc 1070 Commercial St SAN JOSE, CA 95112	SJ-499B	1	1			NS	The company did not discharge in 2006.
		2				NS	
		3				NS	
		4				NS	

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Compliance Activities 2006

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	CC	Consistent Compliance in 2006
		2		1		CC	
503-F Vandell Way CAMPBELL, CA 95008		3	1	1	1	CC	
		4		2		CC	

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Compliance Activities 2006

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 2006. Company is not manufacturing any product yet. It is still undergoing testing and facility validation requirement for FDA & State audits. Sample collected during the fourth quarter is testing water.
		2	1			NS	
		3	1			NS	
		4		1		CC	

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Compliance Activities 2006

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 2 3 4		 3		NS	This company was formerly Jefferson/Smurfit (SC-003C).There was an ownership change in the fourth quarter. All data has been reported under Jefferson/Smurfit.
California Paperboard Corp. 525 Mathew St SANTA CLARA, CA 95050	SC-005C	1 2 3 4	 2 1	15 16 18 15	 1 1	CC CC CC CC	Consistent Compliance in 2006
Jefferson Smurfit (Container Corp.) 2600 De la Cruz Blvd SANTA CLARA, CA 95050	SC-003C	1 2 3 4	2 2 1	16 14 16 12	1 1 	CC CC CC CC	Consistent Compliance in 2006

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Compliance Activities 2006

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) 2250 S Tenth St SAN JOSE, CA 95112	SJ-201B	1			2	CC	Consistent Compliance in 2006
		2	1	2		CC	
		3			1	CC	
		4	1	2		CC	

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Compliance Activities 2006

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				NS	Consistent compliance in 2006.
		2	1	1	1	CC	
		3	1			NS	
		4	1		1	CC	
Metcalf Energy Center LLC 1 Blanchard Rd SAN JOSE, CA 95013	SJ-515B	1		8	2	CC	Consistent Compliance in 2006
		2	1	6		CC	
		3		8	1	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 2006
		2		6		CC	
		3	1	8	1	CC	
		4	1	6		CC	

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ENFORCEMENT SUMMARY

2006

This section contains a summary of compliance and enforcement activities during 2005.

1) The attached “Enforcement Summary for SIUs” summarizes all the Notices of Violation and Warning Notices that were issued.

2) Administrative Orders - There were none issued.

3) Civil Actions - There were none taken.

4) Criminal Actions - There were none taken.

5) Assessment of monetary penalties. See attached Table of Administrative Citations. There were four IUs assessed City of Santa Clara Surcharges.

6) Order to restrict/suspend discharge to the POTW – None were issued.

7) Order to disconnect the discharge from entering the POTW – None were issued.

SIU ENFORCEMENT SUMMARY
2006

Company Name	Permit #	DOV	Parameters Violated	Enforcement Action	Violation of Fed	Violation of Local	Category
Advanced Surface Finishing Inc.	SJ-514B	4/11/06	Nickel	WN		X	433
Advanced Surface Finishing Inc.	SJ-514B	5/31/06	Lead	WN	X	X	433
Advanced Surface Finishing Inc.	SJ-514B	6/10/06	pH	NV		X	433
Advanced Surface Finishing Inc.	SJ-514B	6/18/06	pH	NV		X	433
Advanced Surface Finishing Inc.	SJ-514B	9/13/06	Nickel	NV	X	X	433
Amex Plating, Inc.	SC-182B	10/31/06	Cyanide Total	NV	X		433
Applied Anodize, Inc.	SJ-025B	5/31/06	Chromium Total	WN	X	X	433
Applied Anodize, Inc.	SJ-025B	10/31/06	SMR	WN		X	433
California Paperboard Corp.	SC-005C	4/13/06	Arsenic	WN		X	430
CBR Circuits	MI-013B	10/20/05	Copper	WN		X	433
CBR Circuits	MI-013B	10/28/05	Copper	WN		X	433
CBR Circuits	MI-013B	11/28/05	SMR	NV		X	433
CBR Circuits	MI-013B	12/8/05	Copper	WN		X	433
CBR Circuits	MI-013B	12/31/05	Copper	WN	X		433
CBR Circuits	MI-013B	1/4/06	Copper	WN		X	433
CBR Circuits	MI-013B	1/10/06	Copper	WN		X	433
CBR Circuits	MI-013B	1/24/06	Copper	WN	X	X	433
CBR Circuits	MI-013B	2/6/06	Copper	WN		X	433
CBR Circuits	MI-013B	2/16/06	Copper	WN		X	433
CBR Circuits	MI-013B	3/6/06	Copper	WN		X	433
CBR Circuits	MI-013B	3/21/06	Copper	WN		X	433
CBR Circuits	MI-013B	10/31/06	Lead	WN	X		433
Celeritek, Inc.	SC-205B	3/5/06	pH	NV	X	X	469
Crown Disc	MI-115B	12/31/05	Nickel	WN	X	X	433
Crown Disc	MI-115B	2/15/06	Nickel	NV	X	X	433
Crown Disc	MI-115B	2/22/06	Nickel	NV	X	X	433
Crown Disc	MI-115B	2/23/06	Nickel	NV	X	X	433
Crown Disc	MI-115B	2/28/06	Nickel	NV	X		433
Crown Disc	MI-115B	3/8/06	Nickel	NV		X	433
Crown Disc	MI-115B	4/21/06	Nickel	NV		X	433
Crown Disc	MI-115B	5/19/06	Nickel	NV		X	433
Crown Disc	MI-115B	6/6/06	Nickel	NV	X	X	433
Crown Disc	MI-115B	6/30/06	Nickel	NV	X		433
CS Plating	SJ-071B	3/30/06	Cyanide Total	WN		X	413
Dynamic Details, Inc	MI-014A	5/14/06	pH	NV	X	X	433
Eagle Tech Inc	SJ-520B	12/10/05	SMR	NV	X		433
Eagle Tech Inc	SJ-520B	10/31/06	Lead	NV	X	X	433
ECS Refining	SC-144B	7/1/06	SMR	WN		X	421
ENS Technology	SC-252A	6/7/06	SMR	WN		X	433

SIU ENFORCEMENT SUMMARY
2006

Company Name	Permit #	DOV	Parameters Violated	Enforcement Action	Violation of Fed	Violation of Local	Category
EPZ, Inc.	SC-328B	1/1/06	SMR	NV		X	433
Evenstar	SC-034B	2/14/06	Copper	WN		X	433
Evenstar	SC-034B	2/23/06	Copper	WN		X	433
Evenstar	SC-034B	3/22/06	Silver	WN	X	X	433
Evenstar	SC-034B	3/30/06	Copper	WN		X	433
Evenstar	SC-034B	4/5/06	Copper	WN		X	433
Evenstar	SC-034B	4/7/06	Copper	WN		X	433
Evenstar	SC-034B	5/12/06	Copper	WN		X	433
Evenstar	SC-034B	9/30/06	Silver	NV	X		433
Flex Interconnect Tech	MI-116B	10/1/06	SMR	WN		X	433
Harbor Electronics, Inc.	SC-301B	4/1/06	SMR	WN		X	433
Harbor Electronics, Inc.	SC-301B	5/1/06	SMR	NV		X	433
Intevac	SC-259B	11/1/06	SMR	NV		X	469
J & K Anodize, Inc	SJ-524B	1/14/06	SMR	NV		X	433
J & K Anodize, Inc	SJ-524B	3/28/06	Chromium Total	WN		X	433
J & K Anodize, Inc	SJ-524B	5/31/06	Chromium Total	NV	X	X	433
J & K Anodize, Inc	SJ-524B	8/24/06	Nickel	WN		X	433
J & K Anodize, Inc	SJ-524B	10/24/06	Nickel	WN		X	433
JDS Uniphase (Rose)	SJ-493B	2/6/06	Arsenic	NV		X	469
Jennings Technology Corporation	SJ-216B	4/30/06	Silver	NV	X		468
K & S Metal Finishing Co.	SC-298B	11/30/05	Chromium Total	NV	X		433
K & S Metal Finishing Co.	SC-298B	1/10/06	Nickel	WN		X	433
K & S Metal Finishing Co.	SC-298B	1/17/06	Nickel	WN		X	433
K & S Metal Finishing Co.	SC-298B	2/24/06	Copper	WN		X	433
K & S Metal Finishing Co.	SC-298B	3/29/06	Nickel	WN		X	433
K & S Metal Finishing Co.	SC-298B	5/31/06	Chromium Total	WN	X	X	433
K & S Metal Finishing Co.	SC-298B	8/23/06	Nickel	WN		X	433
K & S Metal Finishing Co.	SC-298B	10/13/06	Nickel	WN		X	433
K & S Metal Finishing Co.	SC-298B	11/7/06	Nickel	WN		X	433
Kion Technology, Inc.	SJ-191B	4/30/06	Cyanide Total	WN	X	X	433
Lenthor Engineering	MI-018B	12/31/05	Cyanide Total	NV	X	X	433
Lightwaves 2020	MI-104B	3/17/06	Lead	WN		X	469
LSA-CLEANPART, LLC	SJ-318B	12/15/05	SMR	WN		X	433
Magic Technologies, Inc	MI-118B	6/30/06	Copper	WN	X		469
Merit Sensor Systems	SC-164B	7/6/06	SMR	WN		X	469
Micro-Chem, Inc.	SC-218B	5/15/06	Copper	NV	X	X	433
Micro-Chem, Inc.	SC-218B	10/26/06	Copper	WN		X	433
Nu-Metal Finishing, Inc.	SC-064B	8/2/06	SMR	NV		X	433
PK Selective Metal Plating, Inc.	SC-013B	6/7/06	pH	NV		X	433
Pycon, Inc.	SC-061A	7/18/06	Silver	WN	X		433
Pycon, Inc.	SC-061A	7/31/06	Silver	WN	X		433

SIU ENFORCEMENT SUMMARY
2006

Company Name	Permit #	DOV	Parameters Violated	Enforcement Action	Violation of Fed	Violation of Local	Category
Pyramid Circuits	SC-009B	7/13/06	Copper	WN		X	433
Pyramid Circuits	SC-009B	10/19/06	Copper	WN		X	433
S.J. Valley Plating, Inc.	SC-017B	10/31/06	Cyanide Total	NV	X		433
Silicon Microstructures	MI-108B	4/18/06	pH	NV	X	X	469
Sipex Corporation MI	MI-075B	4/12/06	pH	NV	X	X	469
Streamline Circuits	SC-350A	8/10/05	Copper	WN		X	433
Streamline Circuits	SC-350A	8/11/05	Copper	WN		X	433
Sun Surface Technology	SJ-510B	9/1/06	SMR	WN		X	433
Superior Chrome	SJ-263B	10/12/06	Nickel	WN		X	433
Swift Metal Finishing	SC-035B	11/4/05	Zinc	WN		X	433
Swift Metal Finishing	SC-035B	12/14/05	Zinc	NV		X	433
Swift Metal Finishing	SC-035B	1/12/06	Chromium Total	NV		X	433
Swift Metal Finishing	SC-035B	1/31/06	Chromium Total	NV	X	X	433
T. Marzetti Co.- West	MI-004C	11/22/05	Oil and Grease	WN		X	403
Telewave, Inc	SJ-471B	12/14/05	SMR	WN	X	X	433
Teltec Corporation DBA: Gorilla Circuits	SJ-449B	9/20/06	Cyanide Total	WN	X		433
Teltec Corporation DBA: Gorilla Circuits	SJ-449B	9/30/06	Cyanide Total	WN	X		433
Triad Tool And Engineering, Inc.	SJ-273B	10/31/05	Zinc	NV	X	X	433
Uni-Flex Circuits, Inc.,	SJ-399B	11/1/05	SMR	NV	X		433
United Plating	SJ-347B	12/1/05	SMR	NV		X	433

Table of Administrative Citations Issued in 2006

Company Name	Permit #	Date Issued	DOV	Amount	ViolationType	Parameter
Triad Tool And Engineering, Inc.	SJ-273B	01/03/2006	10/06/2005	$ 500	SC-Exceeding concentration maximum limit	Zinc
Uni-Flex Circuits, Inc.,	SJ-399B	01/18/2006	11/01/2005	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
Ecolab, Inc.	SJ-304B	02/01/2006	01/09/2006	$ 1,000	SC-Violating concentration minimum limit	pH
J & K Anodize, Inc	SJ-524B	02/13/2006	01/14/2006	$ 500	SC-> 30 days late report	Late SMR
Eagle Tech Inc	SJ-520B	02/16/2006	12/10/2005	$ 500	SC-Discharge Reports {Late Reporting (31 - 45 days late)}	Late SMR
Mission Valley Ford Truck Sales, Inc.	SJ-178B	03/13/2006	12/07/2005	$ 500	SC-Exceeding concentration maximum limit	Oil and Grease
JDS Uniphase (Rose)	SJ-493B	04/17/2006	02/06/2006	$ 500	SC-Exceeding concentration maximum limit	Arsenic
Picture People - Oakridge Mall	SJ-509B	05/09/2006	04/01/2006	$ 500	SC-Discharge Reports {Late Reporting (31 - 45 days late)}	Late SMR
J & K Anodize, Inc	SJ-524B	05/12/2006	05/04/2006	$ 1,000	SC-Exceeding concentration maximum limit	Chromium Total
Jennings Technology Corporation	SJ-216B	05/30/2006	04/20/2006	$ 500	SC-Exceeding concentration maximum limit	Silver
Good Samaritan Hospital	SJ-442B	06/19/2006	05/01/2006	$ 500	SC-Discharge Reports {Late Reporting (31 - 45 days late)}	Late SMR
SFPP, L.P.	SJ-379B	08/08/2006	06/22/2006	$ 500	SC-Interfering Substances 2 X < limit < 10 X	Total Toxic Organics
Sun Surface Technology	SJ-510B	09/14/2006	09/01/2006	$ 100	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR
Advanced Surface Finishing Inc.	SJ-514B	10/12/2006	09/13/2006	$ 500	SC-Exceeding concentration maximum limit	Copper
San Jose Tallow Company	SJ-511B	11/02/2006	10/01/2006	$ 250	SC-Discharge Reports {Late Reporting (16 - 30 days late)}	Late SMR

Table of Administrative Citations Issued in 2006

Company Name	Permit #	Date Issued	DOV	Amount	ViolationType	Parameter
Walgreens #2081	SJ-526B	11/08/2006	11/01/2006	$ 100	SC-Discharge Reports {Late Reporting (5 - 15 days late)}	Late SMR
Walgreens #9171	SJ-529B	11/08/2006	11/01/2006	$ 100	SC-Discharge Reports {Late Reporting (5 - 15 days late)}	Late SMR
Walgreens #2081	SJ-526B	12/11/2006	11/07/2006	$ 500	SC-Exceeding concentration maximum limit	Silver
			Total	$ 8,300		

Summary of City of Santa Clara Surcharges for all permitted IU's for 2006

Company Name	Violation Type	Surcharge Amount	Parameter
Cirexx Corp.	SC-Exceeding annual concentration average limit	$ 6,259.12	Copper
K & S Metal Finishing Co.	SC-Exceeding monthly concentration average limit	$ 937.72	Nickel
Nu-Metal Finishing, Inc.	SC-Permit Conditions	$ 712.58	
Swift Metal Finishing	SC-Exceeding concentration maximum limit	$ 191.89	Nickel

Total: $ 8,101.31

Baseline Monitoring Report For 2006

Company	Permit No.	Notified	BMR Due	Received	BMR Comments
Agilent Technologies, Inc.(Stevens Creek)	SC-321B	04/24/2006	11/01/2006	09/27/2006	
Dimatix, Inc (formerly Spectra, Inc.)	SC-342B	12/20/2005	03/20/2006	03/15/2006	
Eagle Tech Inc	SJ-520B	08/09/2005	*	03/15/2006	A Notice of Violation and an Administrative Citation were issued on 12/10/2005 for Late submittal of Baseline Monitoring Report.
J & K Anodize, Inc	SJ-524B	09/13/2005	*	03/30/2006	* BMR was due on 12/13/05 and was received late on 3/30/2006. Enforcement action was taken.
Magic Technologies, Inc	MI-118B	04/19/2006	07/19/2006	07/12/2006	
Qualcomm MEMS Technologies	SJ-522B	04/14/2006	07/14/2006	07/12/2006	
Teikoku Pharma USA	SJ-513B	11/22/2004	07/21/2006		No process water discharge in 2006.
Twin Solutions, Inc	SJ-527B	09/29/2005	03/01/2006	02/28/2006	

PRETREATMENT PROGRAM CHANGES
2006

ORGANIZATIONAL CHANGES

In an effort to cross train our Environmental Inspectors and improve overall performance, the City of San Jose (City) has rotated the environmental inspectors across the different section and assigned areas of inspection. Industrial Wastewater Discharge Permit writing that used to be part of Source Control has been assigned to the Environmental Engineering Section. This will provide additional technical expertise in the permitting process. Additionally all grease related sewer investigations have been assigned to the newly created FOG and Sewer Investigation Section. This is a new section that has been created to specialize in restaurant and food service facility inspections and FOG related sewer investigations. An updated organizational table is attached.

ORDINANCE CHANGES

There have been no ordinance amendments within calendar year 2006. On January 2006 a report titled *2006 Sewer Use Ordinance Update,* describes the changes proposed by City of San Jose (City) staff to the City's Sewer Use Ordinance (SUO). In this report City staff proposed changes and additions to the SUO to address issues raised by the US Environmental Protection Agency (EPA) and the Regional Water Board in the 2004 PCI and 2005 Administrative Order. Following approval by the Water Board and the EPA, the City staff proposed changes must undergo the City's formal adoption process. The ordinance submittal process will include preparation of final SUO language by the City Attorney's Office, opportunities for stakeholder review and public comment, and formal consideration of the SUO by the San Jose City Council at a noticed public hearing. The final SUO changes as adopted by the San Jose City Council will then be forwarded to the Tributary Agencies for formal adoption by their respective governing bodies.

LOCAL LIMITS

Using the 2004 USEPA Local Limits Development Guidance Manual, the City evaluated the adequacy of current local limits and recommended appropriate changes to our sewer use ordinance where needed. The City submitted a local limits report entitled *2006 Industrial Waste Discharge Local Limits Update* to the EPA and the Regional Water Board in June 2006, which described the local limits evaluation and recommendations. Once approved by the Regional Water Board, and the San José City Council, the revised local limits would be included in all of the Plant's tributary agencies' sewer use ordinances.

The local limits review evaluated all the current interfering substances identified under the local ordinance. These substances included:

Antimony	Chromium	Manganese	Phenol	Xylene
Arsenic	Copper	Mercury	Selenium	Zinc
Beryllium	Cyanide	Nickel	Silver	Total Toxic Organics (TTO)
Cadmium	Lead			

The 2006 local limits review also provided an opportunity to review and simplify the local limits for copper and nickel while ensuring that wastewater effluent limits are routinely met and beneficial uses in the South Bay are adequately protected.

With implementation of any revised local limits, the following conditions must be met:

- Effluent must adhere to the 2003 San José/Santa Clara Water Pollution Control Plant National Pollutant Discharge Elimination System (NPDES) Operating Permit discharge requirements
- Biosolids must meet Federal Sewage Biosolids Standards (1995),
- Influent pollutant concentrations cannot inhibit any treatment plant processes
- Influent must meet California State Hazardous Waste Threshold Values (2004).

The local limits review recommended simplifying the local limits for copper and nickel from a three-tiered approach to a single maximum allowable concentration limit. For copper, a concentration limit of 2.0 mg/L was recommended for permitted dischargers greater than 1,000 gallons per day (gpd). For those industrial dischargers with a discharge of less than 1,000 gallons per day, the existing maximum allowable concentration limit of 2.7 mg/L for copper was retained. For nickel, the recommended concentration limit was 0.5 mg/L for dischargers greater than 1,000 gpd. For industrial dischargers with a discharge of less than 1,000 gpd, the existing maximum allowable concentration limit of 2.6 mg/L was retained.

The review also determined that the current local limits for xylene and manganese are no longer necessary and should be discontinued. Xylene was added to the list of total toxic organics. The evaluation recommended that the current selenium limit of 2.0 mg/L be lowered to 1.0 mg/L as a maximum allowable concentration limit. All other local limits were deemed adequate and would not require modification. No other pollutants of concern were found based on the 2004 USEPA Local Limits Guidance Manual criteria.

An external stakeholders' focus group has been formed with representatives invited from individual industrial dischargers, various industrial associations, tributary agencies, non-governmental organizations, the Regional Water Board, and the USEPA. A more comprehensive stakeholder mailing list has been compiled that includes all industrial users, along with the tributary agencies, non-governmental organizations, and regulatory representatives. The Regional Water Board and USEPA approved draft of the 2006 Local Limits Re-evaluation and Sewer Use Ordinance Review Summary Report will be presented to the external stakeholders' focus group for discussion and comment. Once

the City receives approval by the Regional Water Board and EPA, the process for public notification will begin.

Within 60 days of the Regional Water Board's approval, the report will be finalized and submitted to the City Council and the tributary agencies for final adoption.

Within 180 days of Council adoption of the limits, the City will begin implementation of a local limits implementation plan.

UPDATE on the PRETREATMENT COMPLIANCE INSPECTION (PCI)

The City submitted the final update to the PCI with our 2005 Second Semi-Annual Pretreatment Report on January 31, 2006, having completed all of the items from the report. The City has not received a response from the RWQCB on these submittals.

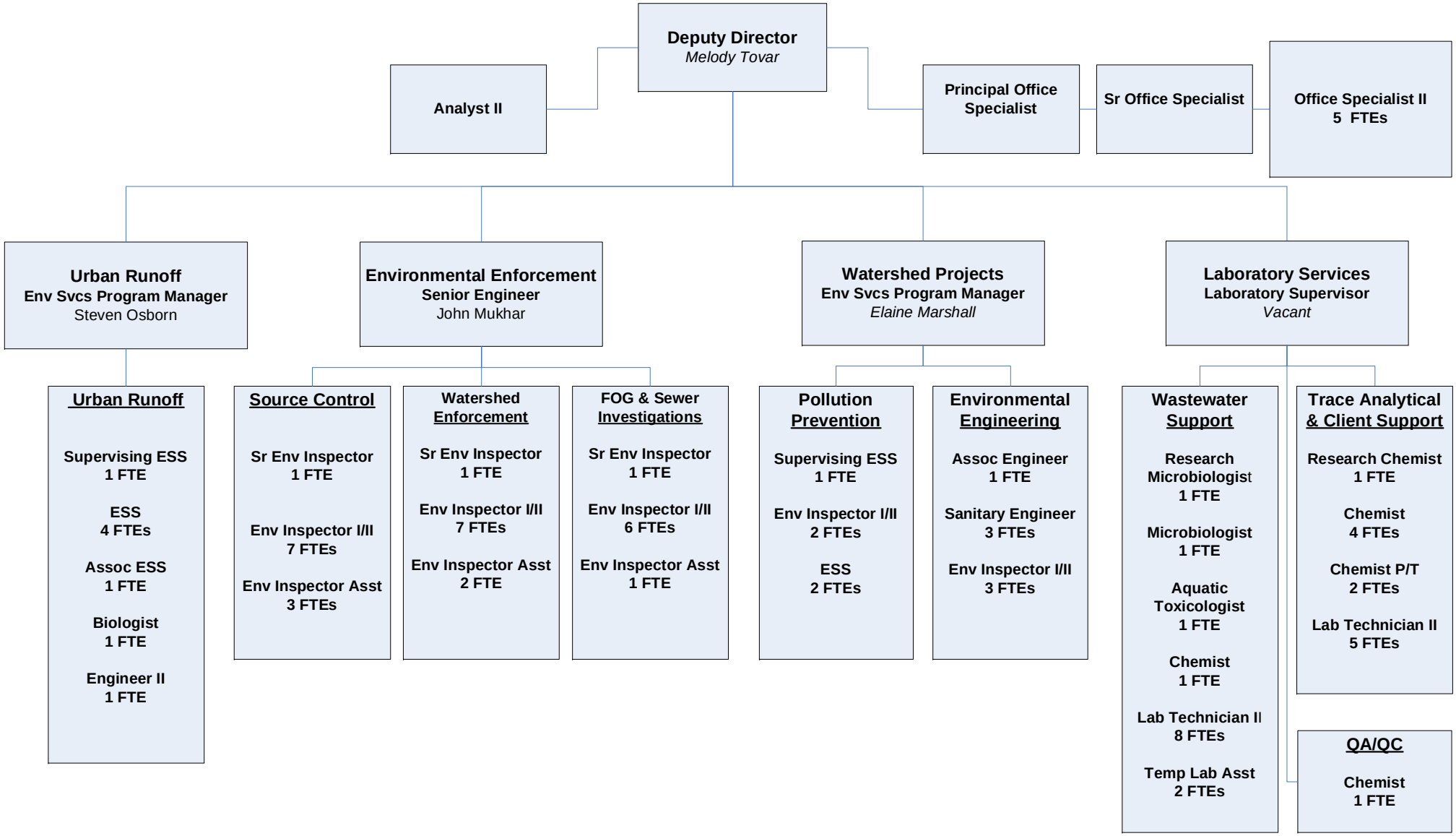
UPDATE on the ADMINISTRATIVE ORDER (AO)

EPA issued an Administrative Order to the City of San Jose's Pretreatment Program on March 17, 2005. Source Control responded to this Administrative Order in a letter dated June 30, 2005 and followed-up with a Progress Report which was submitted on October 31, 2005. A summary table on the status of the deadlines associated with this order was included with our 2006 Second Semi-Annual Pretreatment Report on January 31, 2006. A Revised Sewer Use Ordinance and multi jurisdictional agreements was submitted on January 31, 2006. The Third progress report on order deadlines was submitted on February 28, 2006. And, the technical evaluation of adequacy of local limits was submitted on June 30, 2006.

ENVIRONMENTAL ENFORCEMENT DATA MANAGEMENT SYSTEM (EEDMS)

The Final acceptance of the new database was completed January 31, 2007. We now have a three (3) year maintenance contract with the same consulting firm to provide technical and database support.

Environmental Services Department
Watershed Protection
February 2007



PRETREATMENT PROGRAM EXPENSES
For Calendar Year 2006

The total number of staff devoted to the pretreatment program is 37.2 full-time employees. Personal service expenses, including overhead allocations, were three million eight hundred seventy-eight thousand nine hundred thirty-five dollars ($3,878,935).

Non-personal expenses, which included new supplies, computer hardware and software, training and printing were two hundred thirty-five thousand eight hundred thirty dollars ($235, 830). Contractual service expenses were ninety-nine thousand seven hundred fifty-one dollars ($99,751). In addition, seventy-eight thousand eight hundred thirty-seven dollars ($78,837) were expended for Outreach activities.

The total program cost was four million two hundred ninety-three thousand three hundred fifty-nine ($4,293,359).

The source of funding is the sewer service and use fund (513). 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.

The following table shows the personal and non-personal expenses in the pretreatment program for calendar year 2006.

Personal and Non-Personal Expenses
for calendar year 2006

		FTE's	Salary/Fringe
Deputy Director		0.25	$ 38,461.15
Sr. Env Inspector		2.00	$ 257,691.20
Envir Inspector		11.00	$ 1,249,648.40
Asst Envir Inspector		4.00	$ 358,659.60
Asst Envir Services Spec		1.00	$ 103,888.20
Lab Tech		6.50	$ 597,761.45
Chemist		4.30	$ 442,649.74
Lab Sup		0.10	$ 14,918.02
Research Chemist		0.80	$ 95,288.96
Clerical staff		2.50	$ 156,630.50
Analyst		0.25	$ 26,186.55
Sanitary Engineer		3.00	$ 337,623.00
Senior Engineer		0.50	$ 75,414.95
Associate Engineer		1.00	$ 124,113.60
	Total FTE's	**37.2**	**$ 3,878,935.32**

Non P-S Expenses

Source Control Supplies		11,701.00
Computers/Software		2,268.00
Laboratory Supplies		216,000.00
Printing/Duplicating		1,212.00
Training (all travel expenses)		3,308.00
Dues & Subscriptions		1,341.00
	Total	**235,830.00**

Contractual Services

Lab Services (outside testing)		$33,700
Temp Sampling		$ 66,057
	Total	**$ 99,757**

Outreach Expenses

Outreach Support		$ 78,837

	Total Expenses	**$ 4,293,359**

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Memorandum

TO: Lee Price
City Clerk

FROM: John Stufflebean

SUBJECT: SEE BELOW

DATE: February 05, 2007

SUBJECT: Publication of Legal Notice for Industrial Waste Dischargers Who Were in Significant Noncompliance with EPA and Local Pretreatment Standards in 2006

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 only six industrial wastewater dischargers found to be in significant noncompliance in 2006. One discharger is in the City of San Jose, four dischargers are in the City of Santa Clara, and one discharger is in the City of Milpitas. Two 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: Les White, 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 2006.

CROWN DISC
1103 Montague Expressway, Milpitas, CA 95035
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a), (c), (d)
VIOLATION: Violated local and federal limits for nickel.
CURRENT STATUS: Company ceased discharge in the fourth quarter of 2006
QUARTERS IN SIGNIFICANT NON-COMPLIANCE: 1st, 2nd

EPZ INC
3005 Copper Road, Santa Clara, CA 95051
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a)
VIOLATION: Late submittal of a Self-Monitoring Report
CURRENT STATUS: Consistent Compliance since February 3, 2006
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 1st

HARBOR ELECTRONICS
3021 Kenneth Street, Santa Clara, CA 95054
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a), (c), (d)
VIOLATION: Late submittal of a Self-Monitoring Report
CURRENT STATUS: Consistent Compliance since May 6, 2006
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 2nd

INTEVAC, INC.
3560 Bassett Street, Santa Clara, Ca 95054-2704
APPLICABLE PRETREATMENT STANDARD: 40 CFR 469.18 Subpart A
VIOLATION: Late submittal of a Self-Monitoring Report
CURRENT STATUS: Inconsistent compliance since December 31, 2006
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 4th

EVENSTAR, INC.
809 Aldo Ave., Suite 101, Santa Clare, CA 95054
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a)
VIOLATION: Violated local and federal discharge limits for Silver and Cyanide
CURRENT STATUS: Inconsistent compliance since September 25, 2006
QUARTER IN SIGNIFICANT NON-COMPLIANCE: 3rd

J & K ANODIZE, INC.
354 Umbarger Road, Unit 11, San Jose CA 95111
APPLICABLE PRETREATMENT STANDARD: 40 CFR 433.17 (a)
VIOLATION: Violated local and federal limits for chromium, nickel, zinc, and pH
CURRENT STATUS: Significant non-compliance since March 3, 2006
QUARTERS IN SIGNIFICANT NON-COMPLIANCE: 1st, 2nd, 3rd, 4th

JOHN STUFFLEBEAN
Director
Environmental Services Department
City of San Jose

CITY OF SAN JOSE – NOTICE OF NON-COMPLIANCE

With Pretreatment Standards for Discharge of Industrial Wastewater to the Sewerage System

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JOHN STUFFLEBEAN
Director
Environmental Services Department
City of San Jose

Feb. 14, 2007

2240782

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

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

February 14, 2007

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 2006

Dear Dr. Fondahl:

This report summarizes biosolids reuse at the San Jose/Santa Clara Water Pollution Control Plant (Plant) for the year 2006. Our report includes information on landfill cover reuse and is submitted under requirements of 40 CFR Part 503, Order #R2-2003-0085, Section D.

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 nutrient removal, 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 have always satisfied the analytical criteria for designation as Class A material, even though they were produced using treatment processes that are not specifically acknowledged as "Process to Further Reduce Pathogens" (PFRP). The Plant uses anaerobic digestion, long-term lagoon stabilization, and solar drying to significantly reduce pathogens (40 CFR Part 503, Appendix B, Nos. 2 & 3) to levels meeting the Class A designation. Vector attraction reduction on all stockpiles was achieved through the anaerobic digestion process to reduce volatile solids by a minimum of 38% (40 CFR Part 503.33(b)(1)).

During calendar year 2006, a portion of Stockpile A-2004, 36,853 dry tons or 33,432 dry metric tons of biosolids, as well as the entire Windrows 2006, 48,759 dry tons or 44,233 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 85,600 dry tons or 77,700 dry metric tons were beneficially reused in 2006. A portion of classified Windrow 2005 biosolids is still stockpiled on-site (see attached map).

The Plant continues its effort to pursue appropriate method to dispose of its historical biosolids generated during the pre-Clean Water Act era.

History of recent stockpiles at the San José/Santa Clara Water Pollution Control Plant is:

Stockpile *	Year Stockpiled	Year Sampled and Classified	Year Reused
DB-9	1994/1995	1996	1998
B-1	1996	1997	1999
A-1	1997	1998	2000
A-2	1998	1999	2000
B-1-B	1999	2000	2001
B-2000	2000	2001	2001/2002
A-2001	2001	2002	2002
B-2002	2002	2003	2003/2004
B-2003	2003	2004	2004
A-2004	2004	2005	2005/2006/2007
Windrow 2005	2005	2005	2005/2007
Windrow 2006	-	2006	2006

* All stockpiles were classified as Class A.

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 W. Ihrke, P.E.
Deputy Director,
Water Pollution Control,
Environmental Services Department

Attachments (3)
cc: Dr. Tong Yin, 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:	Dr. 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
2006	JAN	01	2006	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 Ihrke Deputy Director, Environmental Services Department	(408) 945-5198
Signature	**Date Signed**
Dale W. Ihrke	2-14-07

Description of Biosolids Handling Processes:

The City of San Jose's biosolids handling processes include anaerobic digestion, lagoon thickening, and solar drying. The entire process up to stockpiling occurs within two to three years. Biosolids produced this year are still undergoing treatment in the storage lagoons. The City's biosolids met Class A pathogen reduction requirements. The City of San Jose hired a contractor - International Disposal Corporation (IDC), a subsidiary of Browning Ferris Industries (BFI), to beneficially reuse the biosolids from Windrow 2006 and part of Stockpile A-2004 as ADC at their landfill.

Name and Address of person land filling 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	Phone: (408) 945-2802	

Certification for Vector Attraction Reduction	
I certify, under penalty of law, that the vector attraction requirement for Stockpile A-2004 and Windrows 2006 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 Deputy Director, Environmental Services Department	**Area Code and Phone** (408) 945-5316
Signature Dale W. Ihrke	**Date Signed** 2-14-07

Certification for Pathogen Reduction

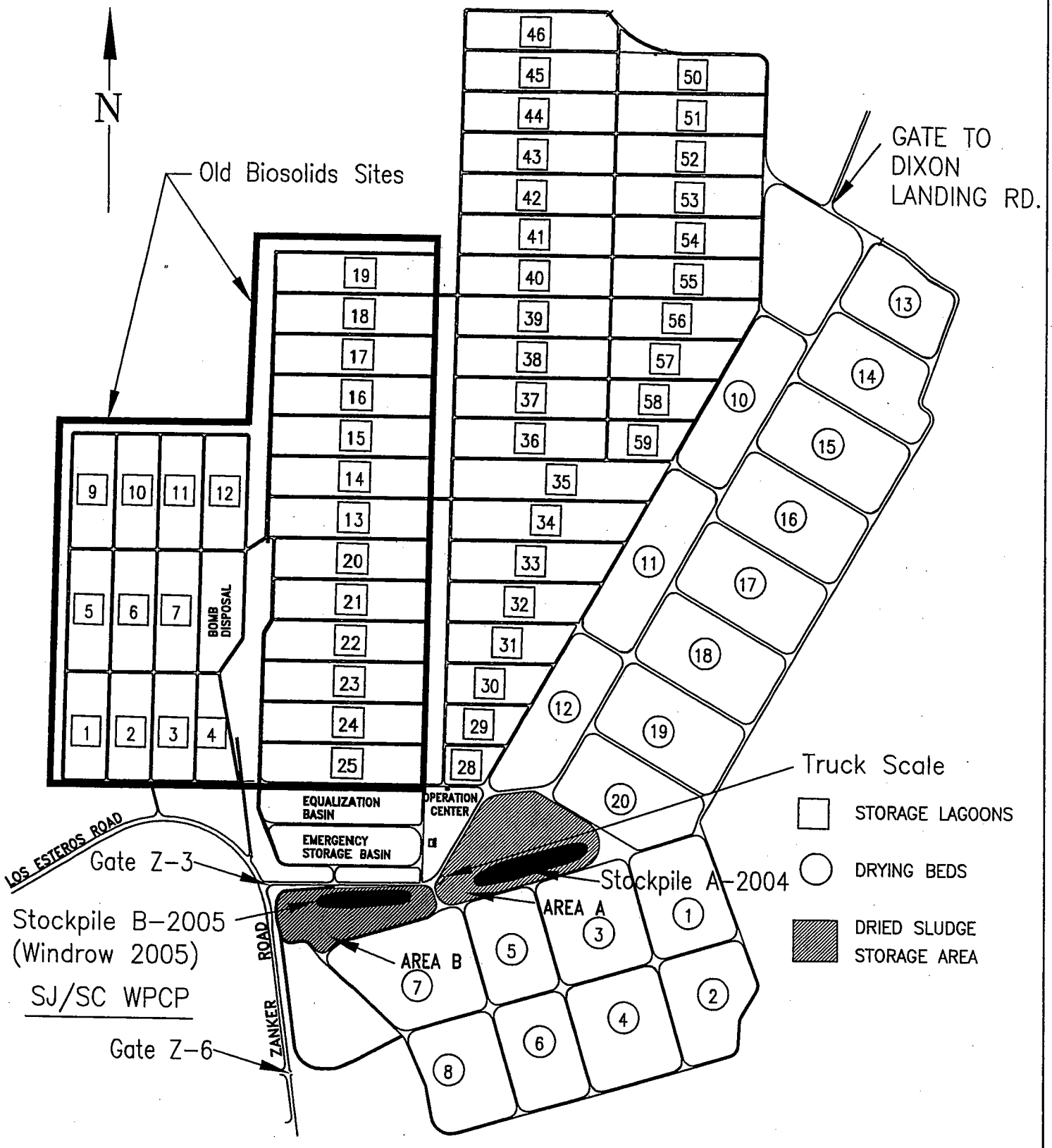
I certify, under penalty of law, that the Class A pathogen reduction requirement in 503.32 for Stockpile A-2004 and Windrows 2006 have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel gather and evaluate 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 Deputy Director, Environmental Services Department	(408) 945-5198

Signature	**Date Signed**
Dale W. Ihrke	2-14-07



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

SCALE: 1" = APPROX. 1000 FT.

Windrow 2006

San Jose/ Santa Clara Water Pollution Control Plant

Biosolids Laboratory Analysis Results

BioVir Laboratories, Inc.

NELAC #05234CA
EPA ID #01401, CA-ELAP # 1795

685 Stone Road, Unit 6 · Benicia, CA 94510 · (707) 747-5906 · 1-800-GIARDIA · FAX (707) 747-1751 · WEB: www.biovir.com

REPORT OF SAMPLE EVALUATION

REPORT NO.: 061897-1 through 061897-4

PAGE NO.: 1 of 1

CLIENT ADDRESS: City of San Jose
700 Los Esteros Road
San Jose, CA 95134

CLIENT NO.: SAN017A

ASSAY RESULTS:

1. Helminth Ova Assay: (EPA 600/1-87/014)
   Analysis Begun Date: 10/31/06 Time: 11:20 Analyst Initials: SM
2. Enteric Virus Assay: (ASTM D 4994-89)
   Analysis Begun Date: 10/31/06 Time: 11:20 Analyst Initials: VAL
3. Total Solids Assay: (SM 2540B):
   Analysis Begun Date: 10/30/06 Time: 16:00 Analyst Initials: KB

SAMPLER: Dave Wilson SAMPLE SOURCE: Biosolids Drying Beds, Composites SAMPLE DATE: 10/30/06
SAMPLE RECEIVED DATE/TIME: 10/30/06 15:20 TEMPERATURE RECEIVED: 4.0 C

BIOVIR ID	CLIENT ID	SAMPLE TIME	SAMPLE WET WT. (g)	VIABLE HELMINTH OVA PER 4 g TS	ENTERIC VIRUS PFU / 4 g TS	% TOTAL SOLIDS (TS)
061897-1	DB8-1	11:09	1531	<1	<1	94.8
	DB8-2	11:13				
	DB8-3	11:17				
	DB8-4	11:19				
061897-2	DB17-1	11:50	1034	<1	<1	92.2
	DB17-2	11:52				
	DB17-3	11:54				
	DB17-4	11:55				
061897-3	DB18-1	11:38	1163	<1	<1	91.8
	DB18-2	11:40				
	DB18-3	11:42				
	DB18-4	11:44				
061897-4	DB20-1	11:23	1332	<1	<1	93.4
	DB20-2	11:28				
	DB20-3	11:32				
	DB20-4	11:36				

"Less than" results represent the lowest detection limit for this assay.

SAMPLE EVALUATION PERFORMANCE CRITERIA: The precise rates of recovery of organisms from environmental samples cannot be determined. BioVir Laboratories has analyzed your sample(s) in accordance with the method described with each analyte above, however, due to inherent limitations of these methods organisms may avoid detection. For additional information regarding the limitations of the method(s) referred to above please call us at 1-800-GIARDIA.
COMPANY IS NOT AN INSURER: BioVir Laboratories is not an insurer or guarantor of the quality and/or purity of water, wastewater, biosolid or other material from which the sample was taken. BioVir offers no express or implied warranties whatsoever concerning the quality or purity of any water, wastewater, biosolid or other material which is ultimately consumed, distributed, applied or otherwise disposed.
MAINTENANCE OF RECORDS: BioVir Laboratories, Inc. shall maintain records pertaining to the historical reconstruction of client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that date unless a written client's request for records transfer is received by BioVir which requests otherwise. Records transfer or storage charges may apply after the 5 year period.

11·28·2006
COMPLETION DATE

Richard E Daniel
SIGNATURE/DATE 11·30·2006

CITY SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

Login Batch ID: _____

COPY

CHAIN OF CUSTODY

2006

_____
Lab Supervisor / Designee

Date Requested/Submitted: 10/30/06	Send Report To: Dave Wilson
Project ID/Sample Source / Authorized by:	
Sample Collector: DAVE WILSON / Originator: BSM	

Date & Time Collected	Labworks ID	Sample Description	Customer ID	Containers	Analysis Requested	Preservation
10/30 1142		DB 18-3	WILSON	PLASTIC 3A cc	HELMINTH OVA	ICE
10/30 1144		DB 18-4			ENTERIC VIRUSES	
10/30 1123		DB 20-1			% TS FECAL COLIFORM	
10/30 1127		DB 20-2				
10/30 1132		DB 20-3				
10/30 1136		DB 20-4				

Relinquished by:

Signature/Date:

Released by: DAVE WILSON

Signature/Date: 10/30/06

Received by: BORGES/AVARIMAN

Signature/Date: 10/30/06 1130

Received By:

Signature/Date:

Expenditure Code:

Analyzed in-house: ☐

Contract Lab: BIOVIR

Cost:

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

Login Batch ID: _____

CHAIN OF CUSTODY

2006

_____
Lab Supervisor / Designee

Date Requested/Submitted: 10/30/06		Send Report To: Dave Wilson COPY
Project ID/Sample Source	Authorized by:	
Sample Collector: DAVE WILSON	Originator: DSM	

Date & Time Collected	Labworks ID	Sample Description	Customer ID	Containers	Analysis Requested	Preservation
10/30 1109		DB8-1	WILSON	PLASTIC BAG	~~HELMINTH OVA~~ ENTERIC VIRUSE O/G'S FECAL COLIFORM	ICE
10/30 1113		DB8-2				
10/30 1117		DB8-3				
10/30 1119		DB8-4				
10/30 1150		DB17-1				
10/30 1152		DB17-2				
10/30 1154		DB17-3				
10/30 1155		DB17-4				
10/30 1138		DB18-1				
10/30 1140		DB18-2	↓	↓	↓	↓

Relinquished by:	Received by: BORGES, WAURIMAN	Expenditure Code:
Signature/Date:	Signature/Date: 10/30/06 1530	Analyzed in-house: ☐
Released by: DAVE WILSON	Received By:	Contract Lab: BIOVIR
Signature/Date: 10/30/06	Signature/Date:	Cost:

BioVir Laboratories, Inc.

NELAC #05234CA
EPA ID #01401, CA-ELAP # 1795

685 Stone Road, Unit 6 · Benicia, CA 94510 · (707) 747-5906 · 1-800-GIARDIA · FAX (707) 747-1751 · WEB: www.biovir.com

REPORT OF SAMPLE EVALUATION

REPORT NO.: 061428-1 through 061428-24

PAGE NO.: 1 of 1

CLIENT ADDRESS: City of San Jose
700 Los Esteros Road
San Jose, CA 95134

CLIENT NO.: SAN017A

ASSAY RESULTS:

1. Helminth Ova Assay: (EPA 600/1-87/014)
   Analysis Begun Date: 08/18/06 Time: 14:40 Analyst Initials: DG
2. Enteric Virus Assay: (ASTM D 4994-89)
   Analysis Begun Date: 08/22/06 Time: 13:55 Analyst Initials: VAL
3. Fecal Coliform Assay: (EPA 1681)
   Class A Analysis Begun Date: 08/16/06 Time: 11:15 Analyst Initials: JR
4. Total Solids Assay: (SM 2540B):
   Analysis Begun Date: 08/16/06 Time: 15:00 Analyst Initials: KB / MP

SAMPLER: Dave Wilson
P. O. Number: OP36925
SAMPLE SOURCE: Biosolids Drying Beds, Composites
SAMPLE RECEIVED DATE/TIME: 08/16/06 11:00
SAMPLE DATE: 08/16/06
CHECK-IN TEMP: 5.0 C

BIOVIR ID	CLIENT ID	SAMPLE TIME	SAMPLE WET WT. (g)	FECAL COLIFORM MPN / g TS	% TOTAL SOLIDS (TS)	BIOVIR ID (COMP)	% TOTAL SOLIDS (TS)	VIABLE HELMINTH OVA PER 4 g TS	ENTERIC VIRUS PFU / 4 g TS
061428-1	DB5-1	06:50	312	3.7	89.9	061428-17 and 061428-18	89.5	<1	<1
1428-2	DB5-2	06:55	269	5.0	91.4				
061428-3	DB5-3	06:58	241	2.7	89.4	Composite of DB5-1 thru -4	89.6	<1	<1
061428-4	DB5-4	07:03	255	0.5	90.2				
061428-5	DB10-1	07:08	369	2.6	92.9	061428-19 and 061428-20	90.4	<1	<1
061428-6	DB10-2	07:15	255	<0.2	89.3				
061428-7	DB10-3	07:21	241	6.1×10^2	89.0	Composite of DB10-1 thru-4	91.0	<1	<1
061428-8	DB10-4	07:25	312	0.2	90.3				
061428-9	DB11-1	07:28	275	<0.2	90.7	061428-21 and 061428-22	88.4	<1	<1
061428-10	DB11-2	07:32	238	0.5	84.4				
061428-11	DB11-3	07:35	238	5.8	84.8	Composite of DB11-1 thru-4	89.4	<1	<1
061428-12	DB11-4	07:41	383	1.8	92.9				
061428-13	DB14-1	08:01	400	0.2	94.4	061428-23 and 061428-24	94.2	<1	<1
061428-14	DB14-2	08:04	340	<0.2	94.5				
061428-15	DB14-3	08:08	298	0.2	93.2	Composite of DB14-1 thru-4	95.1	<1	<1
061428-16	DB14-4	08:13	369	<0.2	93.6				

"Less than" results represent the lowest detection limit for this assay.

SAMPLE EVALUATION PERFORMANCE CRITERIA: The precise rates of recovery of organisms from environmental samples cannot be determined. BioVir Laboratories has analyzed your sample(s) in accordance with the method described with each analyte above, however, due to inherent limitations of these methods organisms may avoid detection. For additional information regarding the limitations of the method(s) referred to above please call us at 1-800-GIARDIA.

COMPANY IS NOT AN INSURER: BioVir Laboratories is not an insurer or guarantor of the quality and/or purity of water, wastewater, biosolid or other material from which the sample was taken. BioVir offers no express or implied warranties whatsoever concerning the quality or purity of any water, wastewater, biosolid or other material which is ultimately consumed, distributed, applied or otherwise disposed.

MAINTENANCE OF RECORDS: BioVir Laboratories, Inc. shall maintain records pertaining to the historical reconstruction of client's data for a minimum of five years from the date of issuance final report. Records may be destroyed after that date unless a written client's request for records transfer is received by BioVir which requests otherwise. Records transfer or storage (es may apply after the 5 year period.

09-23-2006
COMPLETION DATE

Richard E Deniel
SIGNATURE/DATE 09.25.2006

F:\WP\REPDIR\San017A-SanJose Biosolids\2006 Reports\061428-1-24.wpd

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

061428 1-8

Login Batch ID: _____

CHAIN OF CUSTODY

2006

16 "A" TS

Lab Supervisor / Designee

Date Requested/Submitted: 8/16/06		Send Report To: Kevin Mahng, Dave Wilson, Kim Nguyen
Project ID/Sample Source	Authorized by:	
Sample Collector: DAVE WILSON	Originator:	

COPY

Date & Time Collected	Labworks ID	Sample Description	Customer ID	Containers	Analysis Requested	Preservation
8/16/06 0650		DB5-1	D WILSON	1 BAG	HELMOTH OVA	ICE 312g
8/16/06 0655		DB5-2	D WILSON	1 BAG	HELMOTH OVA	ICE 269g
8/16/06 0658		DB5-3	D WILSON	1 BAG	HELMOTH OVA	ICE 241g
8/16/06 0703		DB5-4	D WILSON	1 BAG	HELMOTH OVA	ICE 255g
8/16/06 0708		DB10-1	D WILSON	1 BAG	HELMOTH OVA	ICE 369g
8/16/06 0715		DB10-2	D WILSON	1 BAG	HELMOTH OVA	ICE 255g
8/16/06 0721		DB10-3	D WILSON	1 BAG	HELMOTH OVA	ICE 241g
8/16/06 0725		DB10-4	D WILSON	1 BAG	HELMOTH OVA	ICE 312g
						ICE
						ICE

2EA EV H2O TS%

Relinquished by:		Received by: CGrove 8/16/6 900	Expenditure Code:
Signature/Date: CGrove 8/16/6 925		Signature/Date: Jesus Casas 8/16	Analyzed in-house: ☐
Released by:		Received By: Mary A. Rankin	Contract Lab: BIOVIR
Signature/Date:		Signature/Date: Mary Randolph 8/16/06 1000hrs	Cost:

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Watershed Protection Division
Environmental Services Department

Login Batch ID: _____

CHAIN OF CUSTODY

2006

Lab Supervisor / Designee

Date Requested/Submitted: 8/16/06		Send Report To: Kevin Maung, Dave Wilson, Kim Nguyen
Project ID/Sample Source	Authorized by:	
Sample Collector: DAVE WILSON	Originator:	

COPY

Date & Time Collected	Labworks ID	Sample Description	Customer ID	Containers	Analysis Requested	Preservation
8/16/06 0720		DB 11-1 (2 EA. EV AO TS)	D WILSON	1 BAG	HELMOTH OVA	ICE 275g
8/16/06 0732		DB 11-2	D WILSON	1 BAG	HELMOTH OVA	ICE 238g
8/16/06 0735		DB 11-3	D WILSON	1 BAG	HELMOTH OVA	ICE 238g
8/16/06 0741		DB 11-4	D WILSON	1 BAG	HELMOTH OVA	ICE 383g
8/16/06 0801		DB 14-1	D WILSON	1 BAG	HELMOTH OVA	ICE 400g
8/16/06 0804		DB 14-2	D WILSON	1 BAG	HELMOTH OVA	ICE 340g
8/16/06 0807		DB 14-3	D WILSON	1 BAG	HELMOTH OVA	ICE 298g
8/16/06 0813		DB 14-4	D WILSON	1 BAG	HELMOTH OVA	ICE 369g

Relinquished by:		Received by: CGrover 8/16/6 900	Expenditure Code:
Signature/Date: CGrover 8/16/6 925		Signature/Date: Jesus Casas	Analyzed in-house: ☐
Released by:		Received By: Mary A. Reyes	Contract Lab: BIOVIR
Signature/Date:		Signature/Date: 8/16/06 1100 hrs	Cost:

2006 PRETREATMENT ANNUAL REPORT

PCS Data Entry Form

POTW Name: **San Jose/Santa Clara Water Pollution Control Plant**

NPDES Permit Number: **CA-0037842**

Period Covered By this Report: 01/01/2006 (PSSD) 12/31/2006 (PSED)
Start Date 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:	6	(SVPU)
Number of Industrial Users from Which Penalties Have Been Collected:	20	(IUPN)

PCS DATA ENTRY FORM

Documentation of Figures

- Number of NOVs and Admin. Orders Issued: The Enforcement Summary for SIUs Table, in the Compliance Activities section shows 40 NVs or AOs issued.
- The Public Participation Summary section lists the IUs that were published, which had significant violations
- The number of IUs from which penalties were collected was calculated as follows: 16 IUs had Administrative Citations issued and 4 IUs had surcharges applied.

OTHER SUBJECTS IN 2006

SEPTIC HAULERS MONITORING PROGRAM

In order to protect the sewage treatment 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 results outside of the expected range. Inspections are performed on these loads to verify that the source of the load is domestic waste and that the loads originated inside of the tributary area. In 2006, five hundred ninety-seven (597) samples were analyzed. After screening these results, ten follow-up inspections were performed and two enforcement actions were taken for septic sources originating outside of the tributary area.

PLAN CHECK PROGRAM

In order to protect the collection system, and ultimately the treatment plant, from oil and grease and other pollutants, new businesses, primarily food related (restaurants, fast food, groceries, ect.), must have their plans reviewed and stamped by our department. This includes the sizing of grease removal devices and in some cases addition of pretreatment equipment and the implementing of best management practices. In 2006, two hundred and fifty five (255) plan checks were performed. Of these plan checks two hundred and thirteen (213) were food service facilities, and forty-two (42) were other industrial users.

TEMPORARY DISCHARGE PERMIT PROGRAM

Temporary discharge permits are issued primarily for ground water and construction water discharges and for cleanups associated with facility closures. Applicants must submit flow documentation, along with an analysis of water to be discharged. There were twenty-six (26) temporary discharge permits issued in 2006.

ZERO DISCHARGE PERMIT PROGRAM

If a potential Industrial User (IUs) 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 recertified twice per year. In 2006, forty-seven (47) inspections were performed and forty-six (46) certificates of zero discharge were submitted. At the end of 2006 there are twenty-four (24) zero discharge categorical being inspected and certified. The City of San Jose (City) is in the process of developing a permit for the zero discharge facilities. This will require changes to the sewer use ordinances.

DISCHARGER IDENTIFICATION PROGRAM

There are several methods the City is using 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, inspections or follow-up phone calls are placed to each one. During 2006, a total of one hundred and forty eight (148) potential IUs were identified and investigated. One IU was required to apply for a permit, and two IUs were added to the categorical zero discharge program.

IU ACADEMY

The City continues to offer the IU Academy classes to assist IUs in understanding their permit requirements and maintain compliance. An IU Academy class was held on April 19-20, 2006 with thirty-two (32) participants attending representing twenty-five (25) IUs and two attendees from government agencies.

RESTAURANT INSPECTIONS

There were twenty-one (21) restaurants inspected related to grease blockages and odor complaints received from sewer crews and the public in the tributary area in 2006. In all reported blockages or odor complaints at least one restaurant in the area was identified as a probable cause of the problem with corrective actions including installation or repair of grease removal devices, increased frequency of maintenance on the removal device, or institution of best management practices to prevent grease from entering the collection system. All restaurants in the affected area were also required to maintain records of cleaning of grease removal devices and hauling of all grease waste for a period of at least three years as required by municipal code. Additionally the Watershed Enforcement Section of ESD is in the fifth 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. In 2006 the City approved additional staffing to focus on restaurant and food service facilities. New inspectors were assigned to this newly created section. This section will be performing inspections with emphasis on stormwater issues and additional emphasis on generated grease and removal devices to the sanitary sewers. A work plan is being developed and additional staff members are being hired and trained.

CYANIDE INVESTIGATION

Elevated cyanide levels were detected from samples collected at the San Jose/ Santa Clara Water Pollution Control Plant in May and November of 2004 during the Cyanide

Attenuation Study. After the May report of elevated cyanide levels, a review of the Industrial Users (IUs) records identified a total of fifty-four (54) facilities that have cyanide as part of their manufacturing process. Of the fifty-four (54) IUs, two (2) companies had closed, seventeen (17) had discontinued the use of cyanide, and twenty-three (23) had only gold cyanide as their source of cyanide. The gold cyanide group was not considered a likely source of cyanide because of the relative small volumes of these baths, and because of the economic loss of discharging a gold bath or rinse. The remaining twelve (12) IUs were inspected with attention paid to treatment and hauling records of cyanide bearing waste. In November of 2004 another incident of elevated cyanide level was reported at the POTW. The inspection frequency of the twelve (12) companies was increased to monthly, and a surveillance monitoring program was initiated on the top five (5) potential cyanide contributors from the list. Preliminary results from this surveillance monitoring indicate signs of illegal discharge from one (1) of the potential contributors. The City of San Jose and the Santa Clara County District Attorneys offices were contacted and the investigation continued. In 2005 the list of potential cyanide sources was expanded from twelve (12) to eighteen (18) IUs after further review of files and process changes noted during inspections. By the end of 2005, surveillance monitoring had been completed on fourteen (14) of these IUs. In 2006 surveillance monitoring was completed, with seventeen (17) of the eighteen (18) IUs having been monitored and one of the IUs going out of business. Monitoring continues on the one (1) IU from which violations were detected. The City and District Attorneys Offices are jointly taking legal actions against this IU.

SAFE MEDICINE DISPOSAL DAYS

In May 2006, the Bay Area Pollution Prevention Group (BAPPG) piloted a regional collection project for residential pharmaceutical waste. Throughout the Bay Area, more than one thousand five hundred (1,500) residents disposed of over Three thousand (3,000) lbs of pharmaceutical waste at thirty-nine (39) locations. BAPPG coordinated this pilot program with seventeen (17) local agencies (including the Plant) that managed locations, local outreach, staffing, police presence, and documentation of controlled substances.

BAPPG and its partner agencies conducted outreach to the press, garnering five television clips, nine print articles, and four radio spots. In addition to participating in the regional advertising campaign, the Plant used newspaper ads & partnered with pharmacies & community centers to reach our residents. The numbers of participants in this pilot project were small compared to the seven million people who live in the Bay Area; however, the public outreach and press coverage increased awareness of safe disposal of pharmaceuticals for a wider audience.

Approximately two lbs of pharmaceuticals were collected from each resident who participated in the pilot. This amount suggests for the value of wastewater and solid waste agencies working together to find a long-term disposal solution. Residents were also asked to participate in a survey at each collection event. The survey found that one quarter of participants had previously disposed of medication down the sanitary sewer, while close to half previously disposed of medication in the trash. Feedback from surveys and anecdotal experiences (such as public demand on what to do with pharmaceutical

waste in the future) suggest that the public is receptive to alternative means of disposal for pharmaceuticals.
The Plant held three disposal locations for the project. Within San José, more than three hundred (300) residents disposed of over eight hundred (800) lbs of pharmaceutical waste over a one-week period. Experienced solid waste professionals considered that level of participation to be extremely successful. Widespread collection methods are complicated for pharmaceuticals by the need for strict oversight and handling of controlled substances. The City is exploring grant opportunities to provide drop-off locations through partnerships with local businesses, clinics and, law enforcement and fire departments. The City also participates on the California Product Stewardship Council in promoting possible producer responsibility legislation for pharmaceuticals at the state level.

INSPECTOR TRAINING

On October 17, 2006, the Watershed Protection Division hosted an all day Grease Interceptor Inspector Training Workshop, for its Environmental Inspectors as well as inspectors from Santa Clara County, local cities and agencies. Approximately forty-five (45) inspectors attended this workshop, which focused on both the sanitary sewer and stormwater issues associated with food service establishment inspections. Funding for this workshop was provided through a grant program offered by the Santa Clara County District Attorney's Office.
On December 7, 2006 inspectors received training on traffic control and flagger safety presented by Du-All Safety. Approximately twenty-five (25) inspectors attended the training and were certified for flaggy safety.

SURVEILLANCE MONITORING PROGRAM

Source Control continues to conduct discreet monitoring on targeted industries identified as either having pollutants of concern or that have a potential for by-pass. In 2006 surveillance monitoring was conducted at seven sites targeting nine IUs. During this monitoring two IUs were identified to have illegal discharge of metal waste to the sanitary sewer. In one case a compliance meeting has been held, a compliance schedule has been established, and corrective actions are on going. In the second case, the source of the violation has been traced to a company upstream of the monitored IU and enforcement actions are being processed. For 2007 the surveillance monitoring has been initiated with a minimum of eight (8) targeted IUs to be monitored during the year.

The sampling for metals and cyanide in the trunklines coming into the Plant ended in January of 2006. The trunk line monitoring was being performed as part of cyanide investigation that was completed in 2006.

OTHER SEWER INVESTIGATIONS

There were five (5) instances of reported incidents in sewer lines that were investigated in 2006.

- A report of a chlorine gas smell from the sanitary sewers in an industrial complex was investigated. Twelve (12) IUs were inspected and two possible sources were identified, but no one source was confirmed. The odors have since ceased. A follow up inspection of a fire at an unpermitted IU showed no signs of discharge to the sanitary sewer.
- A report of illegal discharge from an IU with multiple sites was received from a citizen. Follow up to this report involved the inspection of twenty-seven (27) buildings on twenty-two (22) sites. No evidence of illegal discharge was found.
- The City of Santa Clara Fire Department reported an anonymous tip of illegal discharge of machine oil to the sanitary sewer. Samples collected in the sanitary sewer by surveillance monitoring were in violation and identified an illegal discharge. San Jose is working with the City of Santa Clara and the Santa Clara District Attorney to resolve this.
- The City of Santa Clara Fire Department reported an anonymous tip of illegal discharge of metal bearing waste to the sanitary sewer. Samples collected in the sanitary sewer by surveillance monitoring have shown that the IU was not in violation. Samples collected did indicate that an IU upstream of the reported IU was in violation of local discharge limits. Thirteen (13) IUs were inspected and dye tests were performed in order to locate the violator. A compliance meeting has been held, a compliance schedule was established and corrective actions are on going.

2006 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

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