



2010

# FIRST SEMI-ANNUAL INDUSTRIAL USER PRETREATMENT COMPLIANCE REPORT

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## **Tributary Agencies**

Cities of:

**San Jose,  
Santa Clara  
and Milpitas**

**Cupertino  
Sanitary District**

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

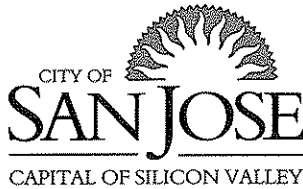
**County Sanitation  
Districts 2-3**

**Sunol and Burbank  
Sanitary Districts**

Administered by the  
Environmental Services  
Department  
City of San José

SAN JOSE  
SANTA CLARA  
WATER POLLUTION  
CONTROL PLANT

Administered by the  
Environmental Services Department  
City of San José



*Environmental Services Department*

SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT

WATERSHED PROTECTION

CONTRIBUTING AGENCIES

July 30, 2010

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

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

**SUBJECT: San Jose /Santa Clara Water Pollution Control Plant  
2010 First Semiannual Industrial User Pretreatment Report  
NPDES Permit No. CA-0037842**

Dear Mr. Wolfe:

Enclosed is the San Jose/Santa Clara Water Pollution Control Plant, 2010 First Semiannual Industrial User Pretreatment Report, which includes laboratory data on influent, effluent, and sludge monitoring results; compliance tables; and an update on our compliance with Pretreatment program requirements.

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

The Plant continues to maintain significant industrial pollutant reductions achieved over the years by enforcing stringent regulations, limiting the amount of pollutants that industries can discharge into the sanitary sewer system, and implementing aggressive pollution prevention and recycle and reuse programs. For example, the City's surveillance sampling investigation resulted in Ernest Najar, President of Express Tech, Inc., pleading no contest to criminal charges for dumping hazardous waste into the sanitary sewer system. The Superior Court of the State of California, County of Santa Clara, placed Mr. Najar on probation for three years and electronic monitoring for one year and required him to pay a civil penalty of \$113,855. Express Tech, Inc., is permitted by the City as a Zero Discharge Categorical Industrial User and is located in Santa Clara.

The annual Industrial User (IU) Academy was held on April 28, 2010. The IU Academy is a workshop designed to assist IUs in understanding their permit and sampling requirements and how to maintain compliance. Inspectors present the workshop modules, providing the IUs with their field experience and knowledge. Since the demand was very high, for the third year in a row, the City plans to conduct another IU Academy session in fall 2010.

The 2010 First Semiannual Industrial User Pretreatment Report is submitted in accordance with Provision E 5 of the Regional Board Order No. R2 2009-0038. Contained in the First Semiannual Report is a listing of all Significant Industrial Users (SIUs) that had any violation of federal or local standards during the first and second quarters of 2010. 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 2009 Annual Pretreatment Program Report. These definitions are consistent with 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 second quarter of 2010, the Plant was monitoring 317 industries, of which 163 were Significant Industrial Users and 154 were Non-Categorical Industries discharging under 25,000 gallons per day. Of the 163 Significant Industrial Users, 131 were Categorical Industrial Users, 19 were Zero Discharge Categorical Industrial Users, and the remaining 13 were classified by their quantity of discharge.

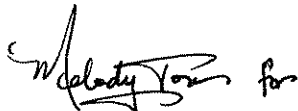
We continue to monitor all industrial dischargers and permitted commercial sources to ensure that all violations are identified and corrected as soon as possible. Appropriate enforcement actions are taken if violations persist, and additional compliance measures are pursued with all significant violators.

**Table 1: Compliance Performance of Significant Industrial Users in the SJ/SC WPCP Tributary Area**

Category	1st Quarter 2010		2nd Quarter 2010	
	Federal	Local	Federal	Local
Consistent compliance	97.5%	94.5%	99.4%	95.7%
Inconsistent compliance	2.6%	5.5%	0.6%	3.7%
Significant Non-compliance	0.0%	0.0%	0.0%	0.6%

If you have any questions on this report, please contact Heidi Geiger, P.E., Senior Environmental Inspector, at (408) 277-2755.

Sincerely,



JOHN STUFFLEBEAN  
Director Environmental Services

cc: Ken Greenberg, USEPA Region 9  
Keith Silva, USEPA Region 9  
Phil Isorena, SWRCB  
Michael Chee, RWQCB

**SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT  
2010 FIRST SEMIANNUAL INDUSTRIAL USER VIOLATION REPORT**

COVER SHEET

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

Report Date July 30, 2010

Period Covered by This Report From 01/01/2010 to 06/30/2010

Period Covered by Previous Report From 07/01/2009 to 12/31/2009

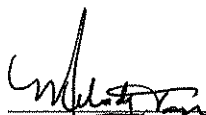
Name of Wastewater Treatment Plant San Jose/Santa Clara Water Pollution Control Plant

NPDES Permit Number CA-0037842

Person to contact concerning information contained in this report:

Name Heidi Geiger, P.E.  
Title Senior Environmental Inspector  
Mailing Address 170 W. San Carlos St.  
San Jose, CA 95134  
Telephone Number (408) 277-2755

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

  
\_\_\_\_\_  
Melody Tovar, P.E.  
Deputy Director  
Environmental Services Department  
Watershed Protection

7/21/10  
\_\_\_\_\_  
Date

# INFLUENT, EFFLUENT AND SLUDGE MONITORING

# Influent, Effluent, and Sludge Monitoring Results Pretreatment First 2010 Semi-Annual Report

## I. SAMPLING PROCEDURES

### A. SAMPLE LOCATIONS

1. **Influent** - Samples of influent are collected from the raw sewage wet well by automatic sampler and by grab sampling. This location corresponds to Station I-001 as set forth in the facility's NPDES Permit, CA-0037842.
2. **Effluent** - Samples of effluent are collected from the effluent wet well by automatic sampler and by grab sampling. This location corresponds to Station E-001 as set forth in the facility's NPDES Permit, CA-0037842.
3. **Biosolids** - Sludge samples are collected from the Sludge Management Facility's dried stockpiles during the wet weather season in March.

### B. COLLECTION TIMES

1. **Automatic Sampling** - Automated sampling is accomplished using flow-proportioned, composite samplers that operate from midnight to midnight on consecutive days. Influent and effluent samples are taken during the same 24-hour period.
2. **Grab Sampling** - Grab samples are collected at the time corresponding to maximum peak flow, 1400 hours.
3. **Biosolids Sampling** - Sludge samples are collected during March and September, generally at the time when influent and effluent samples are collected.

### C. COLLECTION METHOD

1. **Direct Collection** - Wastewater samples used for VOC and BNA analyses are made up of a minimum of four (4) discrete grab samples collected every six hours during the 24-hour sampling event, and flow composited in the lab just prior to analysis. Samples for the analysis of Volatile Organic Compounds (VOCs) are collected directly into 40-mL glass vials with Teflon septum, screw caps. The vials are filled to overflowing before being capped to avoid any headspace. Semi-volatile organic compounds are collected directly into 1-liter amber glass bottles. Samples are refrigerated and stored in the dark after collection. Mercury samples are collected by grab sampling directly into 1-liter Teflon bottles every 6 hours utilizing clean hands techniques. These grab samples are then flow composited into one sample representing a 24 hour period.
2. **Automatic Collection** - Wastewater samples for influent and effluent metal analyses, except effluent samples for mercury analysis, are collected using automated composite samplers. Samples are collected into plastic containers contained within the refrigerated samplers. Samples are then refrigerated and stored in the dark after collection.
3. **Biosolids Collection** - Dry weather season sludge samples are collected from the drying beds while wet-weather season sludge samples are collected from the dried stockpiles. In both cases, twenty grab samples are collected and then composited into a single sample for analysis. Samples from the drying beds are collected employing a grid pattern for sample location. Samples from the stockpiles are collected at random depth and location. Sludge samples are stored in borosilicate glass after collection.

## **D. STORAGE, PRESERVATION, AND HOLDING TIMES**

1. **EPA Method 624** - Samples for Volatile Organic Compound analysis are stored in glass vials, with Teflon-lined caps or septum, at four degrees Centigrade. Sodium thiosulfate is used to remove residual chlorine when necessary. Samples are analyzed within seven days.
2. **EPA Method 625** - Samples for Semi-Volatile Organic Compound analysis are stored in amber glass containers, with Teflon-lined caps or septum, at four degrees Centigrade. Sodium thiosulfate is used to remove residual chlorine when necessary. Samples are extracted within seven days and analyzed within thirty days.
3. **Influent and Effluent Metals** - Samples for influent and effluent metal analysis, except for mercury, are stored in plastic or glass containers at four degrees Centigrade. Samples are preserved with nitric acid to a pH < 2 and analyzed within six months. Samples for mercury analysis are preserved with 5 mL/L of BrCl solution and analyzed within 90 days.

## **II. METHOD OF SAMPLE DECHLORINATION**

### **A. EFFLUENT SAMPLES**

Dechlorination of effluent samples is not required since the samples are collected downstream of the facility's dechlorination process. The treatment plant uses sulfur dioxide injection for dechlorination.

### **B. INFLUENT SAMPLES**

Influent may be pre-chlorinated at various times as an odor control measure. Sodium thiosulfate is used as a dechlorinating agent when necessary.

## **III. SAMPLE COMPOSITING**

### **A. INFLUENT AND EFFLUENT SAMPLES**

Priority Pollutant Metals - Samples for priority pollutant metals analysis, except for mercury, are flow-proportion composited by automatic samplers. Mercury samples are collected by grab sampling every six hours.

### **B. BIOSOLIDS**

Each of the twenty grab samples is hand composited, then split into appropriate fractions for each of the individual analyses required.

## **IV. DATA VALIDATION**

### **A. METHOD BLANKS**

Method blanks are routinely analyzed to demonstrate that the analytical system is interference-free and to demonstrate that contaminated glassware or reagents did not influence the analytical measurements.

### **B. TRAVEL BLANKS**

Travel blanks are routinely submitted with wastewater samples collected to demonstrate that contamination did not occur during sample collection or transport.

### C. REPLICATES

Field replicates are routinely collected and analyzed to determine the precision of the sampling process. Laboratory replicates are routinely analyzed to determine the precision for the analytical process.

### D. SPIKED SAMPLES

Laboratory samples are routinely spiked with the analyte(s) of interest to determine the accuracy of the analytical process.

### E. QA/QC CRITERIA

Acceptance criteria for the above listed chemical parameters follow protocol and/or guidelines of the EPA (40 CFR 136, EPA SW-846, EPA 600/4-79/020) and of the California Department of Health Services.

### F. ANALYTICAL METHODOLOGY

Methods and techniques used for all chemical determinations strictly adhere to procedures published by the EPA (40 CFR 136, EPA SW-846, EPA 600/4-79/020) or as published in the latest approved edition of Standard Methods for the Examination of Water and Wastewater.

### G. CERTIFICATION STATEMENT [ATTACHED]

## V. SAMPLE RESULTS

### A. WET-WEATHER SEASON SAMPLING – MARCH 1, 2010

See Appendix I - Data Tables.

## VI. DISCUSSION OF RESULTS

### A. INFLUENT DISCUSSION

**Bis(2-ethylhexyl)phthalate** is a common plasticizer for polymeric materials (plastic pipe). Bis(2-ethyl-hexyl)phthalate is used primarily as a plasticizer during polyvinyl chloride and polymer production and is likely released into wastewater after water contact with plastic materials. **Butyl Benzyl Phthalate** is a plasticizer for vinyl chloride plastics. Phthalates have a broad range of applications. Their primary use is to impart flexibility to polyvinyl chloride (PVC or vinyl). The liquid phthalates act as a softener causing the PVC, which is hard in its raw form, to become flexible. Phthalates may also be used to lubricate and/or enhance the durability and longevity of other materials. Such applications include detergents, industrial solvents, lubricating oils, and personal care products, such as lotions, nail polish, perfumes, and pharmaceuticals. **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. **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. **Phenol** is a common industrial chemical that enters wastewater during its use in resins, plastics, and adhesives. It is frequently found in wastewater from other commercial sources. **Toluene** is used as a general purpose solvent, as a fuel additive, and as a chemical manufacturing constituent. Considerable amounts are discharged during the storage, transport, and disposal of fuels and oils.

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

## B. EFFLUENT DISCUSSION

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


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.

## C. BIOSOLIDS DISCUSSION

One volatile organic compound (EPA Method 8260B) was detected in Biosolids collected on March 1, 2010. **Dichloromethane, a.k.a. methylene chloride**, is used as a solvent, degreasing agent, and 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. Semi volatile organic compounds (EPA Method 8270C) were not measured in Biosolids above respective detection limits during March 2010.

## QA/QC CERTIFICATION STATEMENT

Quality Assurance/Quality Control validation data was reviewed for each of the analytical measurements performed and deemed acceptable. Acceptance criteria were established using methodologies from the latest edition of Standard Methods for the Examination of Water and Wastewater, from EPA references (40 CFR 136, EPA SW-846, EPA 600/4-79/020), or as specified by the California Department of Health Services.

  
\_\_\_\_\_  
7/11/10  
Alo Kauravlla  
Environmental Laboratory Manager

## **RAW DATA**

[available upon request]

## **Appendix I**

DATE	SAMPLE TYPE	METHOD	UNITS	Dichlorodifluoro methane	Chloroethane	Vinyl Chloride	1,1-Dichloroethene	Methylene Chloride	Trichlorofluoro methane	1,1-Dichloroethane	Trans-1,2-dichloroethene	Chloroform	1,2-Dichloroethane
3/1/2010	Influent	EPA 624	µg/L	<2.5	<2.5	<2.5	<2.5	<3.0	<2.5	<2.5	<2.5	3.9	<2.5
3/1/2010	Effluent	EPA 624	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.4	<0.5
3/1/2010	Sludge	EPA 8260B	µg/Kg	<9.6	<9.6	<4.8	<4.8	11	<4.8	<4.8	<4.8	<4.8	<4.8

CTR Limit		µg/L	NA	NA	525	3.2	1600	NA	NA	140,000	470	99
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DATE	SAMPLE TYPE	METHOD	UNITS	Phenol	Bis (2-Chloroethyl) Ether	2-Chlorophenol	Bis (2-Chloroisopropyl) Ether	N-Nitrosodi-n-Propylamine	Hexachloroethane	Isophorone
3/1/2010	Influent	EPA 625	µg/L	8.2	<5.0	<10	<5.0	<5.0	<5.0	<5.0
3/1/2010	Effluent	EPA 625	µg/L	<1.0	<1.0	<2.0	<2.0	<5.0	<1.0	<1.0
3/1/2010	Sludge	EPA8270C	mg/Kg	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13

CTR Limit		µg/L	4,600,000	1.4	400	170,000	1.4	8.9	600
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NA = Not Available

SAMPLE TYPE	DATE	1,1,1-Trichloroethane	Carbon Tetrachloride	2-Chloroethyl Vinyl Ether	1,2-Dichloropropane	Cis-1,3-dichloropropene	Trans-1,3-dichloropropene	Trichloroethene	Benzene	Toluene	1,1,2-Trichloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Chlorobenzene	Ethylbenzene	Xylenes, Total
Influent	40238	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	2.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Effluent	40238	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sludge	40238	<4.8	<4.8	NA	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<9.6
CTR Limit	NA	4.4	NA	39	1700	1700	81	71	200000	42	11	8.85	21000	29000	NA	

SAMPLE TYPE	DATE	2-Nitrophenol	2,4-Dimethylphenol	Bis (2-Chloroethoxy) Methane	2,4-Dichlorophenol	1,2,4-Trichlorobenzene	Naphthalene	Hexachlorobutadiene	4-Chloro-3-Methylphenol	2,4,6-Trichlorophenol	2-Chloronaphthalene	Acenaphthylene	Dimethylphthalate	2,6-Dinitrotoluene	Acenaphthene	2,4-Dinitrophenol
Influent	40238	<10	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Effluent	40238	<5.0	<2.0	<5.0	<1.0	<5.0	<0.2	<1.0	<1.0	<5.0	<5.0	<0.2	<2.0	<5.0	<0.3	<5.0
Sludge	40238	<0.13	<0.13	<0.34	<0.66	<0.13	<0.13	<0.13	<0.34	<0.13	<0.13	<0.13	<0.34	<0.13	<0.13	<0.66
CTR Limit	NA	2300	NA	790	NA	NA	50	NA	7	4300	NA	2900000	NA	2700	14,000	

SAMPLE TYPE	DATE	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	Bromomethane	Chloromethane	Bromodichloromethane	Dibromochloromethane	Bromoform
Influent	3/1/2010	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Effluent	3/1/2010	<0.5	<0.5	<0.5	<0.5	<0.5	3.2	1.5	<0.5
Sludge	3/1/2010	<4.8	<4.8	<4.8	<9.6	<9.6	<4.8	<4.8	<4.8
CTR Limit		2,600	17,000	2,600	4,000	NA	46	34	360

SAMPLE TYPE	DATE	4-Nitrophenol	2,4-Dinitrotoluene	Fluorene	Diethyl Phthalate	4-Chlorophenyl Phenyl Ether	4,6-Dinitro-2-Methylphenol	4-Bromophenyl Phenyl Ether	Hexachlorobenzene	Pentachlorophenol	Phenanthrene	Anthracene	Di-n-Butyl Phthalate	Fluoranthene	Pyrene
Influent	3/1/2010	<5.0	<5.0	<5.0	5.7	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Effluent	3/1/2010	<5.0	<5.0	<0.1	<2.0	<5.0	<5.0	<5.0	<1.0	<1.0	<0.05	<0.3	<5.0	<0.05	<0.05
Sludge	3/1/2010	<0.66	<0.13	<0.13	<0.34	<0.34	<0.66	<0.34	<0.13	<0.66	<0.13	<0.13	<0.34	<0.13	<0.13
CTR Limit		NA	9.1	14,000	120,000	NA	765	NA	0.00077	8.2	NA	110,000	12,000	370	11,000

<i>SAMPLE TYPE</i>	<i>DATE</i>	<i>Butyl Benzyl Phthalate</i>	<i>Benzo[a]anthracene</i>	<i>Hexachlorocyclopentadiene</i>	<i>Chrysene</i>	<i>Bis(2-Ethylhexyl)Phthalate</i>	<i>Di-n-Octyl Phthalate</i>	<i>Benzo[b]fluoranthene</i>	<i>Benzo[k]fluoranthene</i>	<i>Benzo[a]pyrene</i>	<i>Indeno[1,2,3-cd]pyrene</i>	<i>Dibenz[a,h]anthracene</i>	<i>Benzo[ghi]perylene</i>
Influent	3/1/2010	11	<5.0	<5.0	<5.0	52	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Effluent	3/1/2010	<5.0	<0.3	<1.0	<0.3	<3.0	<5.0	<0.3	<0.3	<0.3	<0.05	<0.1	<0.1
Sludge	3/1/2010	<0.34	<0.66	<0.34	<0.13	<0.66	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
<b>CTR Limit</b>		<b>5,200</b>	<b>0.049</b>	<b>17000</b>	<b>0.049</b>	<b>5.9</b>	<b>NA</b>	<b>0.049</b>	<b>0.049</b>	<b>0.049</b>	<b>0.049</b>	<b>0.049</b>	<b>NA</b>

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)	Cyanide (influent)	Cyanide (effluent)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1/5/2010	1.88	1.09	<0.40	<0.10	4.08	0.43	141	3.10	3.34	0.26	0.170	0.00178	23.6	5.47	1.86	0.445	1.83	<0.10	167	22.0	<3.0	<3.0
2/3/2010	2.19	0.99	<0.40	<0.10	6.96	0.54	152	3.42	4.62	0.25	0.183	0.00156	13.6	9.17	2.78	0.523	2.10	<0.10	197	22.7	<3.0	<3.0
2/21/2010	n.a.	0.98	n.a.	<0.10	n.a.	0.45	n.a.	3.75	n.a.	0.15	n.a.	n.a.	n.a.	6.39	n.a.	0.520	n.a.	<0.10	n.a.	21.5	n.a.	n.a.
2/22/2010	n.a.	0.91	n.a.	<0.10	n.a.	0.51	n.a.	3.41	n.a.	0.15	n.a.	n.a.	n.a.	6.21	n.a.	0.497	n.a.	<0.10	n.a.	20.9	n.a.	n.a.
2/23/2010	n.a.	1.24	n.a.	<0.10	n.a.	0.55	n.a.	4.01	n.a.	0.62	n.a.	n.a.	n.a.	6.77	n.a.	0.600	n.a.	<0.10	n.a.	26.8	n.a.	n.a.
2/24/2010	n.a.	1.68	n.a.	<0.10	n.a.	0.57	n.a.	4.76	n.a.	0.45	n.a.	n.a.	n.a.	6.73	n.a.	0.602	n.a.	<0.10	n.a.	33.7	n.a.	n.a.
2/25/2010	n.a.	1.78	n.a.	<0.10	n.a.	0.57	n.a.	3.69	n.a.	0.29	n.a.	n.a.	n.a.	7.02	n.a.	0.610	n.a.	<0.10	n.a.	33.5	n.a.	n.a.
2/26/2010	n.a.	1.62	n.a.	<0.10	n.a.	0.59	n.a.	3.85	n.a.	0.22	n.a.	n.a.	n.a.	7.14	n.a.	0.621	n.a.	<0.10	n.a.	34.2	n.a.	n.a.
2/27/2010	n.a.	1.26	n.a.	<0.10	n.a.	0.50	n.a.	3.51	n.a.	0.20	n.a.	n.a.	n.a.	6.14	n.a.	0.578	n.a.	<0.10	n.a.	30.1	n.a.	n.a.
3/1/2010	2.54	1.25	<0.40	<0.10	6.49	0.59	178	3.22	3.68	0.23	0.250	0.00159	13.4	6.43	2.28	0.646	1.33	<0.10	217	29.0	<3.0	<3.0
4/5/2010	2.30	0.80	<0.40	<0.10	4.32	0.40	234	4.11	4.37	0.13	0.120	0.00270	12.3	5.11	2.79	0.657	1.03	<0.10	161	16.7	<3.0	3.2
5/6/2010	2.55	1.07	<0.40	<0.10	5.05	0.36	167.0	2.32	12.1	0.20	0.190	0.00200	10.6	5.98	2.22	0.440	0.89	<0.10	199	22.8	<3.0	<3.0
6/2/2010	2.55	1.18	<0.40	<0.10	4.74	0.52	108	2.58	4.45	0.40	0.212	0.00146	32.6	7.77	2.42	0.470	0.81	<0.10	157	16.9	<3.0	<3.0

n.a. = not available

ESD Laboratory MDLs

Analyte	Method	MDL	Analyte	Method	MDL
		µg/L			µg/L
As(influent)	EPA 200.8	0.019	Ni(influent)	EPA 200.8	0.006
As(effluent)	EPA 200.8	0.019	Ni(effluent)	EPA 200.8	0.006
Cd(influent)	EPA 200.8	0.004	Se(influent)	EPA 270.2	0.0037
Cd(effluent)	EPA 200.8	0.004	Se(effluent)	EPA 270.2	0.0037
Cr(influent)	EPA 200.8	0.014	Ag(influent)	EPA 200.8	0.006
Cr(effluent)	EPA 200.8	0.014	Ag(effluent)	EPA 200.8	0.006
Cu(influent)	EPA 200.8	0.008	Zn(influent)	EPA 200.8	0.103
Cu(effluent)	EPA 200.8	0.008	Zn(effluent)	EPA 200.8	0.103
Pb(influent)	EPA 200.8	0.007	Cyanide(influent)	SM4500-CN E	0.4
Pb(effluent)	EPA 200.8	0.007	Cyanide(effluent)	SM4500-CN E	0.4
Hg(influent)	EPA 1631	0.000022			
Hg(effluent)	EPA 1631	0.000022			

MDL = Method Detection Limit

# INDUSTRIAL USER COMPLIANCE STATUS

# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

### INDUSTRIAL CATEGORY: ALL OTHER IUs NONCATEGORICAL

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max Fed Local Avg	Federal Max Avg	Local Max Avg			
<b>Diana Fruit Company</b>  651 Mathew St Santa Clara, CA 95050 SC-002C  Flow = 60,267 GPD	CC	CC	CC	CC	4/21/2010	POTW	pH	5.6 (min)	6.0 (min)	VW	The violation was for failing to meet the local pH limit. The IU was unable to determine the source of the violation. The IU responded to the violation by recalibrating the pH meter, as verified during 5/3/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 4/30/2010 and collected by the City on 5/13/2010 were in compliance.		
<b>Mohawk Packing, Div. of John Morrell</b>  1660 Old Bayshore Hwy San Jose, CA 95106 SJ-373C  Flow = 31,408 GPD	CC	CC	CC	CC	3/26/2010	POTW	pH	5.8 (min)	6.0 (min)	VW	The violation was for failing to meet the local pH limit. The cause of the violation was a clogged line. The IU responded to the violation by removing the clog and increasing flushing frequencies, as verified during 3/29/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 4/11/2010 and collected by the City on 4/8/2010 were in compliance.		

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#### Enforcement Action Key

WN - Warning Notice  
 VW - Verbal Warning  
 SC - Sewer Surcharge  
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 CM - Compliance Meeting

# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

**INDUSTRIAL CATEGORY: ALL OTHER IUs NONCATEGORICAL**

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max Fed Avg	Local Avg	Federal Max	Local Max		
<b>WD Media, Inc.</b>  1710 Automation Pkwy San Jose, CA 95131 SJ-551A  <b>Flow = 73,146 GPD</b>	IL	CC	CC	CC	6/22/2010	OTHER	pH	13 5.8(min)	6.0-12.5	NV	The approximately 70 and 15 minute pH violations were reported by the IU on 6/22/2010. The causes of the violations were a stuck solenoid valve and over correction. The IU responded to the violations by cleaning the stuck solenoid valve, as verified during 6/30/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 7/1/2010 and collected by the City on 6/30/2010 were in compliance.		

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San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

**INDUSTRIAL CATEGORY: ALL OTHER IUs NONCATEGORICAL**

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>WD Media, Inc.</b>  1710 Automation Pkwy San Jose, CA 95131 SJ-551A  Flow = 73,146 GPD	IL	CC	CC	CC	6/25/2010	OTHER					WN	The IU failed to report within 24 hours the pH excursion. The 30 minute pH violation was identified on the facility's pH chart recorder during 6/30/2010 inspection. The IU was unable to determine the cause of the violation. The IU responded to the violation by stating they will continue to monitor the pH. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 7/1/2010 and collected by the City on 6/30/2010 were in compliance.	

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# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

**INDUSTRIAL CATEGORY: ALL OTHER IUs NONCATEGORICAL**

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>WD Media, Inc.</b>  1710 Automation Pkwy San Jose, CA 95131 SJ-551A  Flow = 73,146 GPD	IL	CC	CC	CC	6/25/2010	OTHER	pH	13.6		12.5		The IU failed to report within 24 hours the pH excursion. The 30 minute pH violation was identified on the facility's pH chart recorder during 6/30/2010 inspection. The IU was unable to determine the cause of the violation. The IU responded to the violation by stating they will continue to monitor the pH. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 7/1/2010 and collected by the City on 6/30/2010 were in compliance.	

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# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max Fed Local Avg	Federal Max	Avg	Local Max		
<b>Cobham Defense Electronic Systems M/A - COM Inc.</b>  5300 Hellyer Ave San Jose, CA 95138-1003 SJ-591B  Flow = 2,280 GPD	NS	CC	NS	CC	3/26/2010	OTHER	pH	5.5 (min)	6.0 (min)	6.0 (min)	6.0 (min)	VW	The 12 minute pH violation was reported by the IU on 3/26/2010. The cause of the violation was operator error. The IU responded to the violation by shutting off the system and manually adjusting the pH, as verified during 3/29/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted.
<b>Micrel, Inc.</b>  1849 Fortune Dr San Jose, CA 95131 SJ-258A  Flow = 162,012 GPD	CC	IF/IL	CC	IF/IL	3/26/2010	OTHER	pH	2.9 (min)	5.0 (min)	6.0 (min)	6.0 (min)	NV	The 80 minute pH violation was reported by the IU on 3/26/2010. The cause of the violation was determined to be clogged calcium hydroxide injection pumps. The IU responded to the violation by using a new blend of calcium hydroxide, as verified during 3/29/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 3/29/2010 and collected by the City on 4/1/2010 were in compliance.
												AC	\$500 fine issued for Corrosive Matter per San Jose Municipal Code 15.14.575.

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max Fed Local Avg	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Avg	Local Max		
<b>Silicon Microstructures</b>  1701 McCarthy Blvd Milpitas, CA 95035 MI-108B  Flow = 1,050 GPD	IL	CC	CC	CC	4/5/2010	OTHER						VW	Late submittal of SMR that was due on 3/31/2010, but was not received until 4/6/2010. The IU has committed to timely submittal of reports in the future.
<b>Solexel Inc.</b>  1532 McCarthy Blvd Milpitas, CA 95035 MI-128B  Flow = 46,528 GPD	CC	IF/IL	CC	CC	2/19/2010	OTHER	pH	2.5 (min)	5.0 (min)	6.0 (min)		WN	The 60 minute pH violation was reported by the IU on 2/19/2010. The cause of the violation was a malfunction of the acid waste neutralization system due to startup issues with the newly upgraded neutralization system. The IU responded to the violation by increasing testing and gaining operation experience with the newer system, as verified during 2/26/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 3/23/2010 and collected by the City on 2/26/2010 were in compliance.

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By <small>POTW/ IU/ OTHER</small>	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) <small>Max</small>	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>THAT Corporation</b>  505 Fairview Way Milpitas, CA 95035 MI-078B  Flow = 3,025 GPD	CC	IF/IL	CC	CC	3/11/2010	OTHER	pH	4.0 (min)	5.0 (min)	6.0 (min)	NV	The 120 minute pH violation was reported by the IU on 3/30/2010. The cause of the violation was a malfunctioning solenoid valve. The IU responded to the violation by repairing the solenoid valve, recalibrating the pH meter on 4/5/2010, and cross training staff to review pH chart regularly, as verified during 4/7/2010 inspection. The IU also installed an audible alarm, as verified during 4/26/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted. The results of subsequent sampling collected by the IU on 4/27/2010, 5/6/2010, and 6/2/2010 and collected by the City on 4/26/2010, 6/1/2010, and 6/10/2010 were in compliance.	

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max Fed Avg	Federal Max	Avg Local	Max Local Avg		
<b>THAT Corporation</b>  505 Fairview Way Milpitas, CA 95035 MI-078B  Flow = 3,025 GPD	CC	IF/IL	CC	CC	3/12/2010	OTHER	pH	4.0 (min)	5.0 (min)	6.0 (min)	NV	The 90 minute pH violation was reported by the IU on 3/30/2010. The violation was caused by a malfunctioning solenoid valve and failure to monitor pH records. See 4/29/2010 compliance meeting for additional details.	

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Fed Max	Local Avg	Local Max		
												CM	At the 4/29/2010 compliance meeting, the violations and Compliance Agreement were discussed. The IU responded to the violation by repairing a nonfunctioning solenoid valve on a caustic feed pump, recalibrating the pH meter, cross training staff, installing an audible alarm, submitting a letter on 4/29/2010, and resampling monthly for three months. In addition to these requirements, the IU will be required to attend the City's fall 2010 IU Academy. Inspections on 4/7/2010 and 4/26/2010 verified the responses described had been implemented, and verified no further pH excursions had occurred. The results of subsequent sampling collected by the IU on 4/27/2010, 5/6/2010, and 6/2/2010 and collected by the City on 4/26/2010, 6/1/2010, and 6/10/2010 were in compliance.

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken	
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg			Federal Max
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Fed Avg	Local Max				
<b>Advanced Surface Finishing Inc.</b>  1181 N 4th St, Suite 50 San Jose, CA 95112 SJ-514B  Flow = 1,034 GPD	IL	IL	SNL	NS	3/9/2010	OTHER					VW	Late submittal of SMR that was due on 2/28/2010, but was not received until 3/9/2010. The IU has committed to timely submittal of reports in the future.		
					4/2/2010	OTHER					WN	Violations were for failing to comply with permit condition - failure to sample with the appropriate sample frequency and late submittal of SMR. The SMR was due on 3/31/2010, but was not received until 4/30/2010. The cause of the violation was a damaged sample. The IU responded to the violation by collecting an additional sample on 4/2/2010 and reporting the results on 4/30/2010. The sample results were in compliance.		

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# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max	Fed Avg	Local Max	Local Avg		
<b>Advanced Surface Finishing Inc.</b>  1181 N 4th St, Suite 50 San Jose, CA 95112 SJ-514B  Flow = 1,034 GPD	IL	IL	SNL	NS	4/30/2010	OTHER					WN	Violations were for failing to comply with permit condition - failure to sample with the appropriate sample frequency and late submittal of SMR. The SMR was due on 3/31/2010, but was not received until 4/30/2010. The cause of the violation was a damaged sample. The IU responded to the violation by collecting an additional sample on 4/2/2010 and reporting the results on 4/30/2010. The sample results were in compliance.  AC \$250 fine issued for Discharge Reports Late (16-30 days late) per San Jose Municipal Code 15.14.695.  NV Late submittal of SMR that was due on 4/30/2010, but was not received until 5/13/2010. The IU has committed to timely submittal of reports in the future and the 5/30/2010 and 6/30/2010 SMRs were submitted on time.  AC \$125 fine issued for Discharge Reports Late (5-15 days late) per San Jose Municipal Code 15.14.695.	
				5/13/2010	OTHER					AC			
										AC			

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Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Fed Avg	Local Max	Local Avg		
<b>APCT, Inc.</b>  3495 De La Cruz Blvd Santa Clara, CA 95054 SC-400A  <b>Flow = 85,556 GPD</b>	IL	CC	CC	CC	6/8/2010	OTHER					VW	This violation was for failing to comply with permit condition - maintaining continuous pH recorder. The cause of the violation was a broken pin. The IU responded to the violation by documenting pH meter readings hourly, and by replacing the pH chart recorder, as verified during 6/8/2010 inspection.	
<b>Arnold's Metal Finishing</b>  805 Aldo Ave, Unit 104 Santa Clara, CA 95054 SC-369B  <b>Flow = 1,626 GPD</b>	CC	IL	IL	IL	2/2/2010	IU	Ni	1.26		0.5	NV	Violations were for failure to report violation within 24 hours and exceeding the local maximum allowable nickel concentration limit. The IU was unable to determine the source of the violation. The IU responded to the violation by evaluating pretreatment equipment and retraining personnel. Inspections on 3/10/2010 and 3/11/2010 verified compliance. The results of subsequent sampling collected by the IU on 3/8/2010 and collected by the City on 4/6/2010 were in compliance.	

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WN - Warning Notice  
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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken	
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Federal Max			Local Avg
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Fed Avg	Local Max				
<b>Arnold's Metal Finishing</b>  805 Aldo Ave, Unit 104 Santa Clara, CA 95054 SC-369B  Flow = 1,626 GPD	CC	IL	IL	IL	3/1/2010	OTHER						NV	Violations were for failure to report violation within 24 hours and exceeding the local maximum allowable nickel concentration limit. The IU was unable to determine the source of the violation. The IU responded to the violation by evaluating pretreatment equipment and retraining personnel. Inspections on 3/10/2010 and 3/11/2010 verified compliance. The results of subsequent sampling collected by the IU on 3/8/2010 and collected by the City on 4/6/2010 were in compliance.	

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Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Avg	Local Max		
<b>Beam On Technology</b>  2318 Calle de Luna Santa Clara, CA 95054 SC-355B  Flow = 4 GPD	SNL	NS	CC	CC	6/11/2010	POTW	Ag	3.0		0.7	NV	The violation was for exceeding the local maximum allowable silver concentration limit. The cause of the violation was failure to treat with metallic exchange cartridges following the electrolytic recovery process. The IU responded to the violation by correctly positioning a valve and is planning to install a lock out at the end of July to ensure the system is used as designed. A sample collected during 7/9/2010 inspection was also in violation of the local maximum allowable limit for silver. The violation and enforcement action will be reported in 2010 2nd Semi-Annual Pretreatment Compliance Report.	
<b>Coatek</b>  2272 Calle de Luna Santa Clara, CA 95054 SC-026B  Flow = 1,848 GPD	NS	IL	IL	NS	1/14/2010	OTHER					VW	Late submittal of SMR that was due on 12/31/2009, but was not received until 1/14/2010. The IU has committed to timely submittal of reports in the future.	

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Max Fed Avg	Local Max Avg			
<b>Cobham Defense Electronic Systems M/A - COM Inc.</b>  5300 Hellyer Ave San Jose, CA 95138-1003 SJ-591B  Flow = 2,280 GPD	NS	CC	NS	CC	3/26/2010	OTHER	pH	5.5 (min)		6.0 (min)	VW	The 12 minute pH violation was reported by the IU on 3/26/2010. The cause of the violation was operator error. The IU responded to the violation by shutting off the system and manually adjusting the pH, as verified during 3/29/2010 inspection. The pH chart recorder was also reviewed and there were no further excursions noted.	
<b>Crain Cutter Co. Inc.</b>  1155 Wrigley Way Milpitas, CA 95035 MI-070C  Flow = 171 GPD	CC	IL	CC	CC	3/11/2010	OTHER					VW	This violation was for failing to comply with permit condition - maintaining pH monitoring equipment. The cause of the violation was failing to maintain the calibration of the pH meter. The IU responded to the violation by calibrating pH meter and initiating updated pH monitoring procedures, as verified during 3/29/2010 inspection.	

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Max	Fed Avg	Local Max		
<b>ENS Technology</b>  3165 Molinaro St Santa Clara, CA 95054 SC-252A  Flow = 6,471 GPD	CC	CC	CC	CC	5/19/2010	POTW	Ni	0.60		0.5	VW	The violation was for exceeding the local maximum allowable nickel concentration limit. The IU was unable to determine the source of the violation. The IU responded to the violation by reviewing treatment protocol and continuing to test each batch to confirm compliance before discharging, as verified during the 6/8/2010 inspection. The results of subsequent sampling collected by the IU on 6/4/2010, 6/11/2010, and 6/15/2010 and collected by the City on 6/11/2010 were in compliance.	
<b>Evenstar</b>  809 Aldo Ave Santa Clara, CA 95054 SC-034B  Flow = 13,279 GPD	IL	CC	CC	IL	5/25/2010	POTW	Ni	1.68		0.5	WN	The violation was for exceeding the local maximum allowable nickel concentration limit. The cause of the violation was operator error while transferring a tank to batch treatment. The IU responded to the violation by reviewing procedures and retraining employees. An inspection on 7/8/2010 verified compliance. The results of subsequent sampling collected by the IU on 7/7/2010 and collected by the City on 6/22/2010 were in compliance.	

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San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>Evenstar</b>  809 Aldo Ave Santa Clara, CA 95054 SC-034B  Flow = 13,279 GPD	IL	CC	CC	IL	6/10/2010	OTHER					VW	Late submittal of SMR that was due on 5/31/2010, but was not received until 6/10/2010. The IU has committed to timely submittal of reports in the future.	

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Reporting Period 1/1/2010 to 6/30/2010

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>Infiniti Circuits Manufacturing</b>  1565 Mabury Rd, Suite A San Jose, CA 95133 SJ-020A  Flow = 14,812 GPD	CC	CC	CC	CC	1/22/2010	POTW	Pb	0.49	0.4	VW	The violation was for exceeding the local maximum allowable lead concentration limit. The violation resulted from surveillance monitoring sampling from a manhole outside the facility. Since samples were collected in the manhole, only local limits apply. The sample was collected from 12:00 AM on 1/22/2010 to 11:45 PM on 1/22/2010. The IU was unable to determine the source of the violation. The IU responded to the violation by stating that they do not have lead at their location. An inspection on 2/4/2010 verified that the IU does not have lead on site. The results of subsequent sampling collected by the IU on 2/10/2010 and collected by the City on 2/11/2010 were in compliance.		

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Federal Max			Local Avg
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Local Avg				
<b>J.K. Plating</b>  354 Umbarger Rd, Suite 11 San Jose, CA 95111 SJ-581B  Flow = Unknown	NS	IL	IL	UN	2/16/2010	OTHER					WN	This violation was for failing to comply with permit condition - use of required sample collection method. The cause of the violation was not following proper chain of custody procedures for self monitoring report sampling event. See 4/21/2010 Compliance Meeting for additional details.		

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>J.K. Plating</b>  354 Umbarger Rd, Suite 11 San Jose, CA 95111 SJ-581B  Flow = Unknown	NS	IL	IL	UN	3/9/2010	OTHER					WN	This violation was for failing to comply with permit condition - use of required sample collection method. The cause of the violation was not following proper chain of custody procedures for self monitoring report sampling event. See 4/21/2010 Compliance Meeting for additional details.	

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Reporting Period 1/1/2010 to 6/30/2010

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

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Fed Max	Local Avg	Local Max		
												CM At 4/21/2010 compliance meeting, the violations and Compliance Agreement were discussed. The City required that the IU verify ownership by obtaining a business license from San Jose, obtaining State of California registration from the Secretary of State, and submitting a permit application and fee with corrected ownership and legal names. The IU responded to the violation by complying with corrective actions established in the compliance meeting, and submitting a letter of all action items due by 4/30/2010. The IU is also required to obtain a City Department of Planning, Building, and Code Enforcement permit, to obtain a Santa Clara County Onsite Hazardous Waste Treatment permit prior resuming discharge, and to attend the City's fall 2010 IU Academy. An inspection on 5/14/2010 verified the IU is not currently in operation. The IU will be submitting a letter requesting to discharge after submitting all of the required documents.	

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	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max	Fed Avg	Local Max	Local Avg		
<b>S.J. Valley Plating, Inc.</b>  491 Perry Ct Santa Clara, CA 95054 SC-017B  Flow = 4,797 GPD	CC	IL	CC	SNF/ SNL	3/1/2010	OTHER					VW	This violation was for failing to comply with permit condition - maintaining pH monitoring equipment. The cause of the violation was a malfunctioning pH chart recorder. The IU responded to the violation by manually monitoring and logging hourly pH readings while awaiting a replacement pH recorder. The pH meter was then replaced, as verified during 3/9/2010 inspection.	
<b>Sanmina Corp Plant I</b>  2101 O'Toole Ave San Jose, CA 95131 SJ-022A  Flow = 26,498 GPD	CC	CC	CC	CC	1/14/2010	POTW	Cu	2.58		2.3	VW	Violations were for exceeding the federal monthly average and local maximum allowable copper concentration limits. The federal monthly average concentration limit violation was an average of one sample. The IU was unable to determine the cause of the violation. An inspection on 3/19/2010 verified compliance. The results of subsequent sampling collected by the IU on 3/11/2010 and collected by the City on 3/16/2010 were in compliance.	

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	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max	Fed Avg	Local Max	Local Avg		
<b>Sanmina Corp Plant I</b>  2101 O'Toole Ave San Jose, CA 95131 SJ-022A  <b>Flow = 26,498 GPD</b>	CC	CC	CC	CC	1/31/2010	OTHER	Cu	2.58	2.07	VW	Violations were for exceeding the federal monthly average and local maximum allowable copper concentration limits. The federal monthly average concentration limit violation was an average of one sample. The IU was unable to determine the cause of the violation. An inspection on 3/19/2010 verified compliance. The results of subsequent sampling collected by the IU on 3/11/2010 and collected by the City on 3/16/2010 were in compliance.		

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Federal Avg			
<b>Sanmina Corp Plant I</b>  2101 O'Toole Ave San Jose, CA 95131 SJ-022A  <b>Flow = 26,498 GPD</b>	CC	CC	CC	CC	4/23/2010	POTW	Cu	2.31	2.3	WN	Violations were for exceeding the federal monthly average and local maximum allowable copper concentration limits. The federal monthly average concentration limit violation was an average of one sample. The IU responded to the violation by re-training wastewater treatment personnel and continuing in-house monitoring using a copper Hach test kit. An inspection on 6/1/2010 verified compliance. The results of subsequent sampling collected by the IU on 6/10/2010 and by the City on 7/12/2010 were in compliance.		

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	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)		Local Avg		
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Local Avg			
<b>Sanmina Corp Plant I</b>  2101 O'Toole Ave San Jose, CA 95131 SJ-022A  <b>Flow = 26,498 GPD</b>	CC	CC	CC	CC	4/30/2010	OTHER	Cu	2.31	2.07	WN	Violations were for exceeding the federal monthly average and local maximum allowable copper concentration limits. The federal monthly average concentration limit violation was an average of one sample. The IU responded to the violation by re-training wastewater treatment personnel and continuing in-house monitoring using a copper Hach test kit. An inspection on 6/1/2010 verified compliance. The results of subsequent sampling collected by the IU on 6/10/2010 and by the City on 7/12/2010 were in compliance.		

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	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Max	Fed Avg	Local Avg		
<b>Swift Metal Finishing</b>  1161 Richard Ave Santa Clara, CA 95050 SC-035B  Flow = 1,106 GPD	IL	CC	CC	CC	3/4/2010	POTW	Ni	0.89		0.5		VW	The violation was for exceeding the local maximum allowable nickel limit. The cause of the violation was determined to be a leaking nickel tank. The IU responded to the violation by temporarily removing the leaking nickel tank from operation and repairing the leak, as verified during 3/30/2010 inspection. The results of subsequent sampling collected by the IU on 3/30/2010 and collected by the City on 6/21/2010 were in compliance.  The violation was for exceeding the local maximum allowable nickel limit. The cause of the violation was discharging floor spill water into the rinse tanks. The IU responded to the violation by batch treating vacuumed spill water before discharging to the rinse tanks, as verified during 4/30/2010 inspection. The results of subsequent sampling collected by the City on 6/11/2010 and collected by the IU on 6/21/2010 were in compliance.
					4/6/2010	POTW	Ni	0.65		0.5		WN	

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 NS - Not scheduled to be Sampled

\* - On Time Schedule (Dates)  
 CC - Consistent Compliance

**Enforcement Action Key**

WN - Warning Notice  
 VW - Verbal Warning  
 SC - Sewer Surcharge  
 NV - Notice of Violation  
 AC - Administrative Citation  
 CM - Compliance Meeting

# Semi-Annual Industrial User Violation Report

## San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L)	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max	Fed Avg	Local Max	Local Avg		
<b>Swift Metal Finishing</b>  1161 Richard Ave Santa Clara, CA 95050 SC-035B  <b>Flow = 1,106 GPD</b>	IL	CC	CC	CC	5/13/2010	POTW	Ni	0.92	0.5	NV	The violation was for exceeding the local maximum allowable nickel concentration limit. The cause of the violation was a faulty pH sensor in the metals treatment tank. The IU responded to the violation by replacing the faulty sensor, as verified during 6/23/2010 inspection. The results of subsequent sampling collected by the City on 6/11/2010 and collected by the IU on 6/21/2010 were in compliance.		

### Compliance Status Key

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	Current		Previous					Reported Level (mg/L)		Discharge Limit (mg/L)			
	Q2 2010	Q1 2010	Q4 2009	Q3 2009				Max	Fed Avg	Local Max	Local Avg		
<b>Variety Metal Finishing</b>  1166 Campbell Ave San Jose, CA 95126 SJ-111B  Flow = 1,666 GPD	CC	IF	CC	CC	2/8/2010	POTW	CN-T	18.0	18.0	1.2	AO	The IU was referred to the City Attorney's Office for Administrative Order. The violations were for failing to report within 24 hours and exceeding the federal monthly average and daily maximum cyanide concentration limits. The federal monthly average limit violation was an average of one sample. The cause of the violation was determined to be a faulty calcium hypochlorite pump. The IU responded to the violation by replacing the faulty pump, as verified by 3/19/2010 inspection. The results of subsequent sampling collected by the IU on 3/15/2010 and 3/17/2010 and collected by the City on 3/15/2010 were in compliance.	

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# Semi-Annual Industrial User Violation Report

San Jose/Santa Clara Water Pollution Control Plant

Reporting Period 1/1/2010 to 6/30/2010

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

FACILITY NAME AND ADDRESS	Semi-Annual Compliance Status				Date Violation occurred	Taken By POTW/ IU/ OTHER	Para- meter	Samples in Violation				ENF ACT	Comments on Follow up, Corrective, or Enforcement Action Taken
	Current		Previous					Reported Level (mg/L) Max	Discharge Limit (mg/L)				
	Q2 2010	Q1 2010	Q4 2009	Q3 2009					Federal Max	Local Avg	Local Max		
<b>Variety Metal Finishing</b>  1166 Campbell Ave San Jose, CA 95126 SJ-111B  Flow = 1,666 GPD	CC	IF	CC	CC	2/28/2010	OTHER	CN-T	18.0	0.65			The IU was referred to the City Attorney's Office for Administrative Order. The violations were for failing to report within 24 hours and exceeding the federal monthly average and daily maximum cyanide concentration limits. The federal monthly average limit violation was an average of one sample. The cause of the violation was determined to be a faulty calcium hypochlorite pump. The IU responded to the violation by replacing the faulty pump, as verified by 3/19/2010 inspection. The results of subsequent sampling collected by the IU on 3/15/2010 and 3/17/2010 and collected by the City on 3/15/2010 were in compliance.	

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POTW'S COMPLIANCE WITH  
PRETREATMENT PROGRAM  
REQUIREMENT

# **COMPLIANCE WITH PRETREATMENT PROGRAM REQUIREMENTS**

## **I. October 28, 2009 Pretreatment Compliance Audit**

A Pretreatment Compliance Audit was conducted on October 28-29, 2009, by a contractor Tetra Tech, as representatives of the San Francisco Bay Regional Water Quality Control Board and the United States Environmental Protection Agency Region IX. The audit report is pending as of this writing.