

2015 Industrial Pretreatment Annual Report

**Gilbert
Glendale
Mesa
Phoenix
Scottsdale
Tempe**

ARIZONA



City of Phoenix

WATER SERVICES DEPARTMENT
Quality Reliability Value

February 26, 2016

HAND DELIVERED:

Date: _____

Received by: _____
Printed Name

Signature: _____
Signed Name

Mr. Galileo Gutierrez
State Pretreatment Coordinator
Water Quality Utility Field Service Unit
Arizona Department of Environmental Quality
1110 West Washington Street Mail Code: 5415B-1
Phoenix, Arizona 85007-2952

Dear Mr. Gutierrez:

Re: **AZPDES Permit AZ0020559 – 23rd Avenue Wastewater Treatment Plant**
NPDES Permit AZ0020524 – 91st Avenue Wastewater Treatment Plant
Industrial Pretreatment Programs Annual Report

We are pleased to submit the Industrial Pretreatment Annual Report (Report) for the 23rd Avenue and 91st Avenue Wastewater Treatment Plants. Once again we are submitting a consolidated Report for both plants. The Report covers the reporting period beginning on January 1, 2015 and ending on December 31, 2015 and includes information required by the National Pollutant Discharge Elimination System Permit, effective July 1, 2010; and the Arizona Pollutant Discharge Elimination System Permits, effective September 15, 2014.

In addition to the City of Phoenix, this Report also includes Significant Industrial User compliance information from the Cities of Glendale, Mesa, Scottsdale, Tempe, and the Town of Gilbert.

Sincerely,

Kathryn Sorensen
Water Services Department Director

Enclosure

c: Amelia Whitson, EPA
Ken Morgan, Town of Gilbert
Craig Johnson, City of Glendale
Dan Cleavenger, City of Mesa
Brian Biesemeyer, City of Scottsdale

Marilyn DeRosa, City of Tempe
Randy Gottler, City of Phoenix
Susan Kinkade, City of Phoenix
Stephen L. Wetherell, City of Phoenix
Marji Dukowitz, City of Phoenix

PRETREATMENT PROGRAM ANNUAL REPORT

For the Year Ending December 31, 2015

for the

23rd Avenue Wastewater Treatment Plant

(AZPDES Permit № AZ0020559)

the

91st Avenue Wastewater Treatment Plant

(NPDES Permit № AZ0020524)

PHOENIX, ARIZONA

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SECTION 1.1

WWTPs & SROG

Introduction

The Sub-Regional Operating Group (SROG)



The Sub-Regional Operating Group, or SROG, was formed in 1979 pursuant to a joint exercise of powers agreement (SROG Agreement) between the Cities of Glendale, Mesa, Phoenix, Scottsdale, Tempe, and the Towns of Gilbert and Youngtown to jointly own and operate the 23rd and 91st Avenue Wastewater Treatment Plants and their interceptor systems. The 23rd Avenue WWTP was part of the SROG system until it was removed in 1983 through an amendment to the SROG Agreement and currently services only the City of Phoenix. Gilbert sold its purchased capacity in the system to Mesa in 1981 and Youngtown sold its purchased capacity in the system to Phoenix in 1995. Physical changes to the system were completed in late 1995. With these changes there are now five current SROG members.

The SROG system currently consists of the 91st Avenue WWTP, Salt River Outfall (SRO) Interceptor, the Southern Avenue Interceptor (SAI), and the 99th Avenue Interceptor.

Intergovernmental agreements exist between SROG members and non-SROG jurisdictions which allow third parties to discharge to the SROG system. Agreements exist between the following jurisdictions:

- City of Phoenix - City of Mesa - Town of Gilbert
- City of Phoenix - City of Scottsdale - Town of Paradise Valley
- City of Phoenix - City of Tempe - Town of Guadalupe

In addition to the sewer service agreements above, the Cities of Glendale, Peoria, Phoenix, and Tolleson jointly own and operate the 99th Avenue Interceptor, a major trunk sewer in the west Valley serving both the 91st Avenue and Tolleson WWTPs.

Each of these agreements contains requirements for all parties to implement appropriate Industrial Pretreatment Programs within their own jurisdictions. This annual report summarizes the activities of the pretreatment programs for the Cities of Glendale, Mesa, Phoenix, Scottsdale, Tempe, and the Town of Gilbert.

91st Avenue Wastewater Treatment Plant

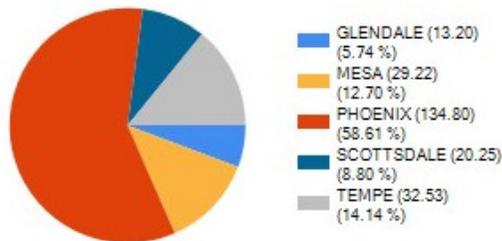
The original 91st Avenue WWTP, a 5 million gallon per day (mgd) cooperative venture between Glendale and Phoenix, was built in 1958. This plant was later replaced with a 45 mgd plant which was subsequently expanded in 1969, 1976, 1984, 1989, and 2009. Upon completion of the most recent expansion completed in 2010, the plant has a certified treatment capacity of 230 mgd, and receives an average daily flow of 137.64 million gallons.



SROG City Allocations into 91st Avenue WWTP			
City	Flow (mgd)	COD (lbs/day)	TSS (lbs/day)
Glendale	13.20	114,000	63,000
Mesa	29.22	168,000	90,000
Phoenix	134.80	708,000	356,000
Scottsdale	20.25	123,000	93,000
Tempe	32.53	233,000	96,000
SROG	230.00	1,346,000	698,000

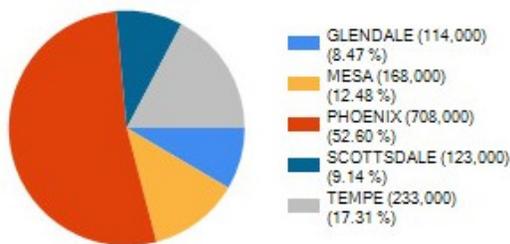
Purchased Capacity

Flow (MGD)



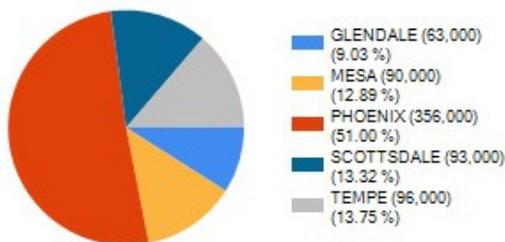
Purchased Capacity vs Monthly Flows

COD Loading (lbs/day)



View Current Loadings

TSS Loading (lbs/day)



Tres Rios Ecosystem Restoration and Flood Control Project

The 91st Avenue WWTP delivers treated wastewater to the Tres Rios Ecosystem Restoration and Flood Control Project. The wetland complex removes nutrients and metals from the treated water. Reclaimed water from the plant is also currently delivered, via the Salt and Gila rivers, to the Buckeye Irrigation Company (BIC) for agricultural use, and via pipeline to Arizona Public Service's Palo Verde Nuclear Generating Station which uses this water for cooling purposes. The 91st Avenue WWTP consistently meets or exceeds all environmental standards.

In 1994, as part of a research project to determine if wetlands could polish effluent from the 91st Avenue WWTP so it could meet upcoming wastewater treatment regulations, Phoenix, in cooperation with SROG and the U.S. Bureau of Reclamation, created the Tres Rios Constructed Wetlands Demonstration Project. Another goal of the project was to restore the natural wildlife environment of the Salt River in that area. Because of the success achieved with the demonstration wetlands, a full scale wetland was designed and construction was completed with steady wastewater flow introduced in the spring of 2010. The full scale Tres Rios Ecosystem Restoration and Flood Control Project, which was 65% funded by the US Army Corp of Engineers and 35% funded by SROG, has improved and enhanced a 7-mile long, 1500 acre section of the Salt and Gila Rivers in southwestern Phoenix. Currently the Tres Rios Wetlands is open to members of the public on a special request basis. During

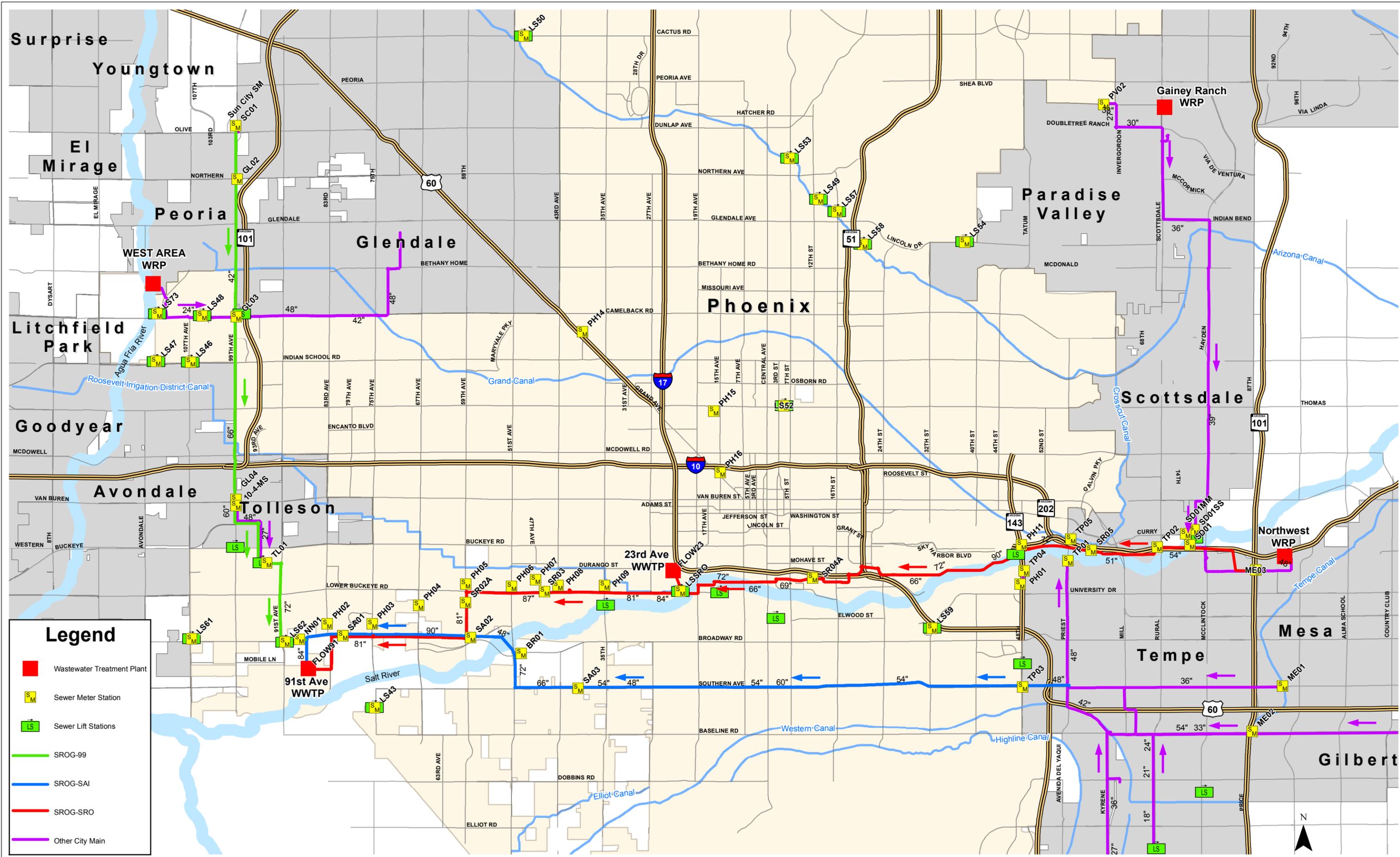
2014, portions of the constructed wetlands were opened up for limited recreational uses, such as bird watching and picnicking. For more information regarding Tres Rios please visit <https://www.phoenix.gov/waterservices/tresrios/wetlandsinfo>.

23rd Avenue Wastewater Treatment Plant

The original 10 mgd 23rd Avenue WWTP, built in 1932, was expanded in 1946, 1962, and 1994. The plant was recertified following headworks modification and influent line reconstruction from 1994 to 1996, and currently has a treatment capacity of 63 mgd. 23rd Avenue WWTP currently receives an average daily flow of 31.02 million gallons. Approximately 10 mgd of flow is diverted to the 91st Avenue WWTP. Reclaimed water from the 23rd Avenue WWTP is delivered to the Roosevelt Irrigation District (RID) for farming purposes. Although the 23rd Avenue WWTP currently services only the City of Phoenix, it was once part of the SROG system until it was removed in 1983 through an amendment to the SROG Agreement.



1947 Construction of Clarifier at 23rd Avenue WWTP



Legend

- Wastewater Treatment Plant
- S_M Sewer Meter Station
- LS Sewer Lift Stations
- SROG-99
- SROG-SAI
- SROG-SRO
- Other City Main

Created on Date: 01-14-2016
 Data Source: COP Enterprise GIS
 Created by: JDean2
 File Location: I:\Users\JDean2\SROG Lines\SROG MultiCity 2016.mxd
 Note: Protected Critical Infrastructure Information and Exempt from Public Disclosure

WWTPs and Multi-City Joint Sewage Transmission Lines



Summary of Priority Pollutant Results

23rd Avenue Wastewater Treatment Plant
91st Avenue Wastewater Treatment Plant

Part III Section F.4.a. of the 91st Avenue WWTP NPDES Permit and Part V Section A.4.b. of the 23rd Avenue WWTP AZPDES Permit require the following to be included within this annual report:

A summary of analytical results from representative, flow proportioned, 24-hour composite sampling of the POTW's influent and effluent for those pollutants identified under CWA section 307(a) which are known or suspected to be discharged by nondomestic users. This will consist of an annual full priority pollutant scan, with quarterly samples analyzed only for those pollutants detected in the full scan. Influent or effluent monitoring data shall be provided for nonpriority pollutants which the Cities believe may be causing or contributing to Interferences or Pass Through. All sampling and analysis required under this paragraph must be performed using the test methods specified under 40 CFR 136. Sampling and analysis for asbestos is not required. Sludge sampling and analyses are covered elsewhere in this permit.

As required, a summary of analytical results for influent, effluent, and biosolids samples collected from the 23rd and 91st Avenue Wastewater Treatment Plants are presented in the following pages.

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
1,1,1-Trichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,1,2-Trichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethylene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,2,4-Trichlorobenzene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	9	9	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichlorobenzene					
Influent	15	15	All Non-Detect	-	ug/L
Effluent	13	13	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloropropane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
1,2-Diphenylhydrazine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichlorobenzene					
Influent	15	15	All Non-Detect	-	ug/L
Effluent	9	9	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichloropropene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
1,4-Dichlorobenzene					
Influent	15	12	8.76	2.31	ug/L
Effluent	13	8	0.40	0.23	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4,6-Trichlorophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dichlorophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dimethylphenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrotoluene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2,6-Dinitrotoluene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Chloroethylvinyl ether					
Influent	1	1	All Non-Detect	-	ug/L
Effluent	1	1	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
2-Chloronaphthalene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Chlorophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Methyl-4,6-Dinitrophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
2-Nitrophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
3,3'-Dichlorobenzidine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDD					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDE					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDT					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Bromophenyl phenyl ether					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Chloro-3-methylphenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Chlorophenyl phenyl ether					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Nitrophenol					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
a-BHC					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Acenaphthene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Acenaphthylene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Acrolein					
Influent	1	1	All Non-Detect	-	ug/L
Effluent	1	1	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Acrylonitrile					
Influent	1	1	All Non-Detect	-	ug/L
Effluent	1	1	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Aldrin					
Influent	11	10	0.010	0.018	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Anthracene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Antimony					
Influent	11	0	0.00079	0.00095	mg/L
Effluent	4	0	0.00054	0.00056	mg/L
Digester Sludge	6	1	2.5	4.8	mg/kg Dry Wt
Arsenic					
Influent	11	0	0.0018	0.0031	mg/L
Effluent	4	0	0.0009	0.0011	mg/L
Digester Sludge	6	0	5.9	10.8	mg/kg Dry Wt
b-BHC					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Benzidine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(a)anthracene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Benzo(a)pyrene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	9	0.73	0.11	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(b)fluoranthene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(ghi)perylene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(k)fluoranthene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Beryllium					
Influent	11	11	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Digester Sludge	6	6	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethoxy)methane					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethyl)ether					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroisopropyl)ether					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-ethylhexyl)phthalate					
Influent	11	9	10.7	23.0	ug/L
Effluent	10	7	1.5	3.5	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Bromoform					
Influent	4	2	1.00	0.47	ug/L
Effluent	8	1	0.81	1.53	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Butylbenzylphthalate					
Influent	11	10	20.2	1.2	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Cadmium					
Influent	11	5	0.0005	0.0009	mg/L
Effluent	4	3	0.0003	0.0006	mg/L
Digester Sludge	6	0	1.54	2.03	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Carbon Tetrachloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Chlordane					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Chlorobenzene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Chlorodibromomethane					
Influent	4	2	1.12	1.21	ug/L
Effluent	8	0	8.0	12.0	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Chloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Chloroform					
Influent	4	0	5.6	8.0	ug/L
Effluent	8	0	24	28	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Chromium					
Influent	11	0	0.0088	0.0145	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Digester Sludge	6	0	75.9	98.0	mg/kg Dry Wt
Chrysene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Copper					
Influent	11	0	0.121	0.154	mg/L
Effluent	4	3	0.002	0.003	mg/L
Digester Sludge	6	0	814	1010	mg/kg Dry Wt
Cyanide					
Influent	1	1	All Non-Detect	-	mg/L
Effluent	1	1	All Non-Detect	-	mg/L
Digester Sludge	6	4	7.9	1.7	mg/kg Dry Wt
d-BHC					
Influent	11	6	0.056	0.098	ug/L
Effluent	5	2	0.044	0.079	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Dibenzo(a,h)anthracene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Dichlorobromomethane					
Influent	4	2	0.90	1.14	ug/L
Effluent	8	0	19	27	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Dieldrin					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Diethyl phthalate					
Influent	11	9	9.0	4.4	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Dimethyl phthalate					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Di-n-butylphthalate					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Di-n-octylphthalate					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Dioxin					
Influent	1	1	All Non-Detect	-	ug/L
Effluent	2	2	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Endosulfan I					
Influent	11	10	0.029	0.041	ug/L
Effluent	5	4	0.024	0.029	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Endosulfan II					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Endosulfan sulfate					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Endrin					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	15	15	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Endrin aldehyde					
Influent	11	10	0.019	0.071	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Ethylbenzene					
Influent	4	2	0.69	0.68	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Fluoranthene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Fluorene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
g-BHC					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	15	15	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Heptachlor					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	15	15	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Heptachlor epoxide					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	15	15	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobenzene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobutadiene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	9	9	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachlorocyclopentadiene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Hexachloroethane					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Indeno(1,2,3-cd)pyrene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Isophorone					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Lead					
Influent	11	0	0.0054	0.0086	mg/L
Effluent	5	3	0.0004	0.0005	mg/L
Digester Sludge	6	0	42.6	60.3	mg/kg Dry Wt
Mercury					
Influent	11	2	0.00018	0.00070	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Digester Sludge	6	0	1.14	1.48	mg/kg Dry Wt
Methyl bromide					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Methyl chloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Methylene chloride					
Influent	4	0	20	24	ug/L
Effluent	8	4	0.35	0.81	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Molybdenum*					
Influent	11	0	0.0120	0.0178	mg/L
Effluent	4	0	0.0097	0.0121	mg/L
Digester Sludge	6	0	23.1	35.8	mg/kg Dry Wt
Naphthalene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	9	9	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Nickel					
Influent	11	0	0.008	0.010	mg/L
Effluent	4	0	0.003	0.004	mg/L
Digester Sludge	6	0	36.2	48.2	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Nitrobenzene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodimethylamine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodi-n-propylamine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodiphenylamine					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1016					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1221					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1232					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1242					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1248					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1254					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1260					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Pentachlorophenol					
Influent	11	10	12.4	6.1	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Phenanthrene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Phenol					
Influent	11	3	54.0	102	ug/L
Effluent	5	4	1.4	4.0	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Pyrene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	5	5	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt
Selenium					
Influent	11	0	0.0010	0.0013	mg/L
Effluent	5	5	All Non-Detect	-	mg/L
Digester Sludge	6	0	4.9	5.8	mg/kg Dry Wt
Silver					
Influent	11	0	0.00204	0.00612	mg/L
Effluent	4	0	0.00062	0.00077	mg/L
Digester Sludge	6	1	6.33	8.56	mg/kg Dry Wt
Tetrachloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Tetrachloroethylene					
Influent	4	3	0.46	0.25	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Thallium					
Influent	11	10	0.00009	0.00026	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Digester Sludge	6	6	All Non-Detect	-	mg/kg Dry Wt
Toluene					
Influent	4	1	1.31	1.92	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Toxaphene					
Influent	11	11	All Non-Detect	-	ug/L
Effluent	10	10	All Non-Detect	-	ug/L
Digester Sludge	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
trans-1,2-Dichloroethene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Trichloroethylene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Vinyl chloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent	8	8	All Non-Detect	-	ug/L
Digester Sludge	3	3	All Non-Detect	-	mg/kg Dry Wt
Zinc					
Influent	11	0	0.185	0.226	mg/L
Effluent	4	0	0.046	0.055	mg/L
Digester Sludge	6	0	1227	1610	mg/kg Dry Wt

¹ Average calculations include non-detect values. Non-detect values were multiplied by 0.5. Due to varying laboratory reporting levels, the average can exceed the maximum in some cases. No average was calculated when all results were non-detects.

* Non Priority Pollutant studied for local limits monitoring.

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
1,1,1-Trichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,1,2-Trichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethylene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,2,4-Trichlorobenzene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichlorobenzene					
Influent	16	16	All Non-Detect	-	ug/L
Effluent (005)	20	20	All Non-Detect	-	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloropropane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
1,2-Diphenylhydrazine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichlorobenzene					
Influent	16	16	All Non-Detect	-	ug/L
Effluent (005)	16	15	0.37	0.17	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichloropropene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
1,4-Dichlorobenzene					
Influent	16	13	8.4	3.0	ug/L
Effluent (005)	20	17	0.48	0.29	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt
2,4,6-Trichlorophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dichlorophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dimethylphenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2,6-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Chloroethylvinyl ether					
Influent	1	1	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
2-Chloronaphthalene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Chlorophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Methyl-4,6-Dinitrophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
2-Nitrophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
3,3'-Dichlorobenzidine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDD					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	15	15	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDE					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	15	15	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4'-DDT					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	15	15	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Bromophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Chloro-3-methylphenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Chlorophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Nitrophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
a-BHC					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Acenaphthene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Acenaphthylene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Acrolein					
Influent	1	1	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Acrylonitrile					
Influent	1	1	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Aldrin					
Influent	12	10	0.13	0.35	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Anthracene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Antimony					
Influent	12	0	0.0009	0.0011	mg/L
Effluent (005)	13	0	0.0007	0.001	mg/L
Digester Sludge	4	3	2.6	6.7	mg/kg Dry Wt
Arsenic					
Influent	12	0	0.0024	0.0034	mg/L
Effluent (005)	13	0	0.0018	0.0025	mg/L
Digester Sludge	12	0	5.7	6.4	mg/kg Dry Wt
b-BHC					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Benzidine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(a)anthracene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Benzo(a)pyrene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(b)fluoranthene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(ghi)perylene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(k)fluoranthene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Beryllium					
Influent	12	11	0.0001	0.0003	mg/L
Effluent (005)	13	13	All Non-Detect	-	mg/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethoxy)methane					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethyl)ether					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroisopropyl)ether					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-ethylhexyl)phthalate					
Influent	12	9	11.1	24	ug/L
Effluent (005)	16	15	0.9	3	ug/L
Digester Sludge	4	2	22	41	mg/kg Dry Wt
Bromoform					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Butylbenzyl phthalate					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Cadmium					
Influent	12	3	0.0006	0.0009	mg/L
Effluent (005)	24	8	0.0004	0.0008	mg/L
Digester Sludge	12	6	0.9	1.62	mg/kg Dry Wt
Carbon Tetrachloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Chlordane					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Chlorobenzene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Chlorodibromomethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Chloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Chloroform					
Influent	4	0	4.7	6	ug/L
Effluent (005)	8	0	1.2	1.6	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Chromium					
Influent	12	0	0.0094	0.0199	mg/L
Effluent (005)	13	10	0.0009	0.0025	mg/L
Digester Sludge	12	0	47.0	58	mg/kg Dry Wt
Chrysene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Copper					
Influent	12	0	0.111	0.141	mg/L
Effluent (005)	13	13	All Non-Detect	-	ug/L
Digester Sludge	12	0	629	735	mg/kg Dry Wt
Cyanide²					
Influent	12	12	All Non-Detect	-	mg/L
Effluent (005)	24	24	All Non-Detect	-	mg/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
d-BHC					
Influent	12	8	0.044	0.089	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Dibenzo(a,h)anthracene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Dichlorobromomethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	2	0.2	0.3	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Dieldrin					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Diethyl phthalate					
Influent	12	10	8.1	4.1	ug/L
Effluent (005)	12	11	0.5	0.4	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Dimethyl phthalate					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Di-n-butylphthalate					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Di-n-octylphthalate					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Dioxin					
Influent	1	1	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Endosulfan I					
Influent	12	11	0.027	0.041	ug/L
Effluent (005)	12	11	0.026	0.020	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Endosulfan II					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Endosulfan sulfate					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Endrin					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	19	19	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Endrin aldehyde					
Influent	12	11	0.017	0.05	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Ethylbenzene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Fluoranthene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Fluorene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
g-BHC					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	19	19	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Heptachlor					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	19	18	0.03	0.064	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Heptachlor epoxide					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	19	19	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobenzene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobutadiene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Hexachlorocyclopentadiene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachloroethane					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Indeno(1,2,3-cd)pyrene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Isophorone					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Lead					
Influent	12	0	0.0025	0.0036	mg/L
Effluent (005)	24	20	0.0005	0.0031	mg/L
Digester Sludge	12	0	21.5	28.2	mg/kg Dry Wt
Mercury					
Influent	12	3	0.0002	0.00034	mg/L
Effluent (005) ³	27	3	0.0000045	0.0000018	mg/L
Digester Sludge	12	0	0.9	1.35	mg/kg Dry Wt
Methyl bromide					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Methyl chloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Methylene chloride					
Influent	4	0	3.6	8.5	ug/L
Effluent (005)	8	7	0.2	0.4	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Molybdenum*					
Influent	12	0	0.0112	0.0182	mg/L
Effluent (005)	13	0	0.0069	0.0098	mg/L
Digester Sludge	12	0	20.2	23.6	mg/kg Dry Wt
Naphthalene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	14	0.4	0.3	ug/L
Digester Sludge	12	12	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Nickel					
Influent	12	0	0.008	0.01	mg/L
Effluent (005)	13	0	0.004	0.006	mg/L
Digester Sludge	12	0	27.0	30.1	mg/kg Dry Wt
Nitrobenzene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodimethylamine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodi-n-propylamine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodiphenylamine					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1016					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1221					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1232					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1242					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1248					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1254					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
PCB-1260					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Pentachlorophenol					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Phenanthrene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Phenol					
Influent	12	10	18.8	31.1	ug/L
Effluent (005)	12	10	1.3	4	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Pyrene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	12	12	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Selenium					
Influent	12	0	0.0014	0.0019	mg/L
Effluent (005)	24	7	0.0004	0.00068	mg/L
Digester Sludge	12	1	6.3	8	mg/kg Dry Wt
Silver					
Influent	12	0	0.00189	0.00551	mg/L
Effluent (005)	13	0	0.00079	0.0012	mg/L
Digester Sludge	12	4	4.54	6.58	mg/kg Dry Wt
Tetrachloroethane					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	4	4	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Tetrachloroethylene					
Influent	4	2	1.5	3.2	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Thallium					
Influent	12	10	0.00009	0.00017	mg/L
Effluent (005)	13	12	0.00008	0.00019	mg/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
Toluene					
Influent	4	1	1.8	2.9	ug/L
Effluent (005)	8	5	0.11	0.15	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	Average ¹	Maximum	Unit
Toxaphene					
Influent	12	12	All Non-Detect	-	ug/L
Effluent (005)	16	16	All Non-Detect	-	ug/L
Digester Sludge	4	4	All Non-Detect	-	mg/kg Dry Wt
trans-1,2-Dichloroethene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Trichloroethylene					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Vinyl chloride					
Influent	4	4	All Non-Detect	-	ug/L
Effluent (005)	8	8	All Non-Detect	-	ug/L
Digester Sludge	8	8	All Non-Detect	-	mg/kg Dry Wt
Zinc					
Influent	12	0	0.173	0.216	mg/L
Effluent (005)	13	0	0.022	0.032	mg/L
Digester Sludge	12	0	786	878	mg/kg Dry Wt

¹ Average calculations include non-detect values. Non-detect values were multiplied by 0.5. Due to varying laboratory reporting levels, the average can exceed the maximum in some cases. No average was calculated when all results were non-detects.

² Cyanide results are grab (discrete) samples.

³ Effluent (005) mercury results are grab (discrete) samples. As of the third quarter of 2015, Effluent (005) mercury results were sampled as composites.

* Non Priority Pollutant studied for local limits monitoring.

Upset, Interference, and Pass Through

23rd Avenue Wastewater Treatment Plant
91st Avenue Wastewater Treatment Plant

The following is a discussion of Upset, Interference, or Pass-Through incidents, if any, which the Cities know or suspect, were caused by nondomestic users of the POTW system during the year ending December 31, 2015. If any incidents occurred, the reasons why, the corrective actions taken, and the nondomestic user(s) or industry sector(s) responsible are provided.

Additionally, a review of the applicable pollutant limits to determine whether any additional limitations, or changes to existing requirements may be necessary to prevent Interference, Pass Through or noncompliance with sludge disposal requirements is provided.

This information is required under Part III Section F.4.b. of the NPDES Permit and Part V Section B.4.b. of the AZPDES Permit.

Analytical results of effluent samples obtained during 2015 at the 23rd Avenue and 91st Avenue Wastewater Treatment Plants (WWTP) were compared against the federal definitions of Upset, Interference, and Pass Through.

The definition for **Upset** is found at 40 CFR 122.41(n):

"Upset" means 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 permittee. 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.

The definition for **Interference** is found at 40 CFR 403.3(i):

The term "interference" means a Discharge which, alone or in conjunction with a discharge or discharges from other sources, both:

- 1) Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and*
- 2) Therefore 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) 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 II, 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 or the SWDA), the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.*

The definition for **Pass-Through** is found at 40 CFR 403.3(n):

The term "Pass-Through" means 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).

23rd Avenue WWTP

Based upon these definitions, there were no violations due to incidents of upset, interference, or pass-through that were attributable to nondomestic users of the POTW at the 23rd Avenue WWTP during 2015.

91st Avenue WWTP

The City of Phoenix continues to expend resources to determine whether the following interferences at the 91st Avenue WWTP may be attributable to nondomestic users of the POTW:

Interferences to the nitrification process were experienced on three (3) occasions resulting in ammonia exceedances above the National Pollutant Discharge Elimination System (NPDES) permit daily maximum and/or monthly average limits at 91st Avenue WWTP Outfall 005. These interferences occurred during October and December 2015 due to an unknown substance. The City of Phoenix is conducting the following to identify the substance(s) and determine the source of the nitrification inhibition:

1. 24-hour discrete sampling at the 91st Avenue WWTP Influent.
2. Emergency sampling procedures for the collection of samples during all potential interference events.
3. Hired a consultant with expertise in plant interferences to assist in the determination of the nitrification inhibition.
4. Installed temporary sampling stations at four (4) manholes in the collection system upstream of the WWTP. Discrete samples and are being analyzed for pesticides, metals, semi-volatile organic compounds, volatile organic compounds and fuels in order to isolate the potential source of an inhibitory substance.
5. Partnered with the Industrial Pretreatment Program Coordinators in all SROG cities to assist with identifying the source of the nitrification inhibiting compounds.

The City of Phoenix continues to track this issue and is conducting additional investigations to determine the source of the nitrification inhibition.

Review of Local Limits

In 2002, the City retained a consultant to evaluate local limits. The consultant identified the pollutants of concern and the SROG cities participated in a local limits data collection sampling event in December 2002. The data was evaluated and revised local limits were established. During the local limits review process Bis-2-ethylhexylphthalate or Di-(2-ethylhexyl) phthalate (DEHP), Fluoride, Molybdenum, and Selenium were identified as candidates for control through Best Management Practices (BMPs) in lieu of a Local Limit. Each of the SROG Cities had their revised local limits approved, incorporated into the City ordinance, and accepted by City Council. The local limits changes and revised City ordinances were approved by ADEQ on December 10, 2004. The revised limits and city ordinance changes were effective January 1, 2005. Public meetings with target industries were held in March 2005 to communicate to industries and to obtain commitment from them to implement the BMPs in accordance with the May 2004 SROG Phase II Local Limits Final Report and the June 2005 SROG BMPs Technical Memorandum prepared for the SROG cities by Malcolm Pirnie (Arcadis) an engineering and consulting firm.

Permits Renewed and Amended

Since 2002 when local limits were last developed, the following permits were renewed or amended:

- NPDES permit for 91st Avenue WWTP which became effective July 1, 2010
- AZPDES permit for 23rd Avenue WWTP which became effective September 15, 2014
- Aquifer Protection Permit (APP) for the 91st Avenue WWTP became effective on October 4, 2002 and was last amended on May 6, 2011
- APP for the 23rd Avenue WWTP became effective on April 29, 1999 and was last amended on March 26, 2013

Percentage of MAHL

Pursuant to *USEPA Local Limits Development Guidance, July 2004, Chapter 7* a quick review of local limits includes a review of compliance history and comparison of current WWTP loadings with the Maximum Available Headworks Loadings (MAHLs) established for each of the pollutants of concern at the time of the last local limits study. Accordingly, the 2015 Average and Maximum loading as a percentages of the 2002 MAHL for 23rd Avenue WWTP and 91st Avenue WWTP were determined for the pollutants of concern specified in the 2002 local limits study. A table summarizing percentages of MAHL appears later in this section. A review of 2015 data results indicates that a detailed technical re-evaluation of MAHLs and/or local limits may be necessary.

BMP Target Pollutants

Evaluation of 23rd Avenue WWTP influent concentrations for BMP target pollutants DEHP, Fluoride, Molybdenum, and Selenium over a ten year period show:

- Reductions for DEHP, Fluoride, Selenium with infrequent spikes. Reduction in Fluoride is likely due to loss of several Semiconductor Manufacturing facilities in the service area.
- An initial sharp decrease in Molybdenum concentrations following the 2005 public outreach, followed by overall gradual increases likely due to an increase in the number of data centers requiring large chilling structures in the service area.

Evaluation of 91st Avenue WWTP influent concentrations for BMP target pollutants DEHP, Fluoride, Molybdenum, and Selenium over a ten year period show:

- Frequent variation in DEHP concentration from 2005 to 2012, followed by a distinct reduction and little variation. However, DEHP peak loading for 2015 as a percentage of the 2002 MAHL for 91st Avenue WWTP exceeds the EPA recommended maximum of 60 percent; whereas, DEHP average loading for 2015 is 36 percent of the 2002 MAHL.
- Little variation in Fluoride concentrations with slight overall reduction likely due to loss of several Semiconductor Manufacturing facilities in the service area.
- An initial sharp decrease in Molybdenum concentrations following the 2005 public outreach, followed by overall gradual increases likely due to an increase in the number of data centers requiring large chilling structures in the service area.
- No overall increase or decrease in Selenium concentrations and infrequent spikes.

Molybdenum BMP Outreach

During 2015 the SROG cities opted to again reach out to target permitted and non-permitted industrial users to notify them of the requirement to implement chemical substitution via use of Molybdenum-free chemicals in sterilizers, cooling towers, and closed-loop chillers. The SROG cities developed and delivered the Molybdenum P2 Fact Sheet that appears on a subsequent page in this section. The SROG cities intend to repeat this outreach targeting chemical suppliers during 2016. Molybdenum data will continue to be monitored to measure the success of this outreach effort.

Percentage of Maximum Available Headworks Loading (MAHL)

Pollutant of Concern	23rd Avenue WWTP - Local Limits Review					91st Avenue WWTP - Local Limits Review				
	2002 MAHL	2015 Avg	% of 2002	2015 Max	% of 2002	2002 MAHL	2015 Avg	% of 2002	2015 Max	% of 2002
	Lb/Day	Influent Lb/Day	MAHL	Influent Lb/Day	MAHL	Lb/Day	Influent Lb/Day	MAHL	Influent Lb/Day	MAHL
Inorganics										
Arsenic	8.1	0.4821	5.96%	0.8302	10.26%	30	2.7	9.01%	3.8	12.76%
Beryllium	1.2	0.0000	0.00%	0.0000	0.00%	73	0.1	0.16%	0.3	0.47%
Boron	418.9	85.7743	20.47%	92.6645	22.12%	1306	402	30.76%	437	33.47%
Cadmium	0.2	0.1339	75.48%	0.2410	135.86%	9	0.68	7.64%	1.02	11.45%
Chromium	206.9	2.3544	1.14%	3.8833	1.88%	866	11	1.23%	22	2.60%
Copper	57.9	32.4058	55.94%	41.2438	71.19%	206	125	60.78%	159	77.21%
Cyanide	12.7	0.0000	0.00%	0.0000	0.00%	40	0	0.00%	0	0.00%
Fluoride	1696.8	239.3306	14.11%	294.5982	17.36%	5363	1714	31.95%	2147	40.03%
Lead	22.0	1.4462	6.56%	2.3032	10.45%	89	2.8	3.19%	4.1	4.59%
Mercury	0.2	0.0482	19.61%	0.1875	76.28%	3	0.23	8.58%	0.38	14.59%
Molybdenum	18.9	3.2138	16.96%	4.7671	25.16%	77	13	16.42%	21	26.68%
Nickel	55.3	2.1425	3.88%	2.6782	4.85%	219	9	4.12%	11	5.15%
Selenium	1.4	0.2678	19.48%	0.3482	25.33%	5	1.6	34.19%	2.1	46.40%
silver	52.0	0.5463	1.05%	1.6390	3.15%	281	2	0.76%	6	2.21%
Sulfides	1332.0	Unknown		Unknown		3204	Unknown		Unknown	
Zinc	154.1	49.5461	32.15%	60.5265	39.28%	530	195	36.87%	244	46.03%
VOCs										
Benzene	203	0.0000	0.00%	0.0000	0.00%	212	0	0.00%	0	0.00%
Chlorodibromomethane	162	0.3000	0.18%	0.3241	0.20%	1082	0	0.00%	0	0.00%
Chloroform	406	1.4998	0.37%	2.1425	0.53%	129	5	4.12%	7	5.26%
Methylene Chloride	18	5.3563	29.06%	6.4276	34.87%	30	4	13.43%	10	31.70%
Tetrachloroethylene	101	0.1232	0.12%	0.0670	0.07%	49	2	3.46%	4	7.39%
Trichloroethylene	9	0.0000	0.00%	0.0000	0.00%	58	0	0.00%	0	0.00%
SVOCs										
Di (2-ethylhexyl) phthalate	81	2.8656	3.53%	6.1598	7.59%	35	13	36.14%	27	78.14%
Phenanthrene	8	0.0000	0.00%	0.0000	0.00%	802	0	0.00%	0	0.00%
Pesticides/PCBs										
4,4'-DDE	0.0006	0.0000	0.00%	0.0000	0.00%	0.0025	0.0000	0.00%	0.0000	0.00%
4,4'-DDT	0.0006	0.0000	0.00%	0.0000	0.00%	0.0019	0.0000	0.00%	0.0000	0.00%
BHC-alpha	0.008	0.0000	0.00%	0.0000	0.00%	0.055	0.000	0.00%	0.000	0.00%
BHC-beta	0.016	0.0000	0.00%	0.0000	0.00%	0.051	0.000	0.00%	0.000	0.00%
BHC-gamma (Lindane)	0.025	0.0000	0.00%	0.0000	0.00%	0.069	0.000	0.00%	0.000	0.00%

Avg Flow (mgd)

23rd Avenue WWTP 32.112
 91st Avenue WWTP 135.475

EPA recommended MAXIMUM
 percentage threshold for Heavy
 Metals and Toxic Organics: 60%



July 2, 2015

Name
Title
Company Name
Street Address
City, State, Zip + 4

Industrial use of Water Treatment Chemicals with Molybdenum

The metro-Phoenix area has been targeted for additional construction of data centers requiring cooling systems. Therefore the Multi-cities Subregional Operating Group (SROG), comprised of the Cities of Glendale, Mesa, Phoenix, Scottsdale, Tempe, and the Town of Gilbert, have chosen to be proactive in this matter and are reaching out once again to industrial users and chemical suppliers for their cooperation to assist in reducing and controlling Molybdenum loading into the WWTPs.

SROG is requesting cooperation from industrial users with regard to limiting use of Molybdenum containing water treatment products for cooling towers, chillers, and other cooling structures. Water containing these products is eventually discharged into the sanitary sewer system and ultimately into the 23rd and/or 91st Avenue Wastewater Treatment Plants (WWTPs) in Phoenix.

Background and Use of Molybdenum

In 2004, the SROG cities attempted to limit Molybdenum coming into the WWTPs through implementation of Best Management Practices (BMPs) in lieu of setting a Local Limit for Molybdenum. The SROG cities also agreed that if the implementation of BMPs fail to successfully decrease Molybdenum at the 91st and 23rd Ave WWTPs, a numerical limitation for Molybdenum would be established for industries and other discharges to the sanitary sewer system. Had a Local Limit for Molybdenum been established in lieu of BMPs, **that limit would have been set at 0.38 mg/L or ppm.** This is considered the target limit by the local regulators for approving or denying wastewater discharges.

In 2005, the SROG Technical Advisory Committee held public meetings with various industries including chemical suppliers with regard to use of Molybdenum. The industrial users and chemical suppliers did agree to limit the use of Molybdenum and to implement the outlined BMPs including chemical substitutions. Following these public meetings, Molybdenum concentrations entering the WWTPs did decrease; however, recently Molybdenum concentrations are gradually trending upward once again.

Molybdenum Quick Facts

- 58% of Molybdenum Entering Wastewater Treatment Plants is from cooling tower & chiller water treatment chemicals.
- Closed loop chillers eventually required of water for repairs, maintenance, and/or expansion.
- The discharge to sewer target limit is 0.38 mg/L.
- Molybdenum ceiling limit for land applied biosolids in the U.S. is 75 mg/kg.
- Alternatives to enable molybdenum reduction or elimination include: Phosphates, Zinc, hydroxyethylidene diphosphonate (HEDP), Traceable Polymers, or Fluorescent Dye Monitoring Systems for Corrosion Control.
- Contact the local Pretreatment Coordinator for city-specific requirements.
- Visit www.epa.gov for more information about Molybdenum and permitting requirements.

Company Name

Date

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Why is this an issue?

The use of Molybdenum-containing water treatment chemicals in cooling towers and chillers is a concern for ALL WWTPs throughout the nation. The ceiling concentration limit for Molybdenum is 75 mg/kg in biosolids for all National Pollutant Discharge Elimination System (NPDES) permits pursuant to 40 CFR 503 – Subpart B, “Land Application.” Studies show that 58% of the Molybdenum entering U.S. WWTPs and ending up in biosolids is from commercial and industrial sources due to water treatment chemicals added to cooling towers and heating/cooling systems.

How could this impact you?

Although water from closed loop chillers is rarely discharged, chillers eventually require maintenance, repair, and/or expansion in which case draining and discharge of the chiller water is necessary. A temporary discharge permit from the municipal industrial pretreatment program is generally required for these discharges. The City of Phoenix has had several requests for discharges of this type over the last few years that were either denied, or only approved after expensive treatment to reduce high concentrations of Molybdenum in the chiller water was performed.

How can you help?

1. Use Molybdenum-free chemical alternatives for cooling and chilling structure corrosion inhibition.
2. Use fluorescent dye monitoring systems for tracing site specific corrosion control interventions.
3. Implement BMPs for cooling tower and chiller maintenance. Keep metal surfaces clean, ensure optimal water chemistry, fix leaks that disrupt or prevent control of water chemistry, and dose chemicals via scientific and mathematical methods versus “slop-and-bucket” dosing methods.
4. Include specific language into service contracts or agreements addressing the exclusive use of Molybdenum-free corrosion inhibiting chemicals.

If you have any questions or for more information about rules or regulations that may impact your city, please contact your local Industrial Pretreatment Coordinator.

Respectfully,

Industrial Pretreatment Program Coordinators

Cities of Glendale, Mesa, Phoenix, Scottsdale, Tempe, and the Town of Gilbert

SECTION 1.2 SIGNIFICANT NON-COMPLIANCE (SNC)

SNC History

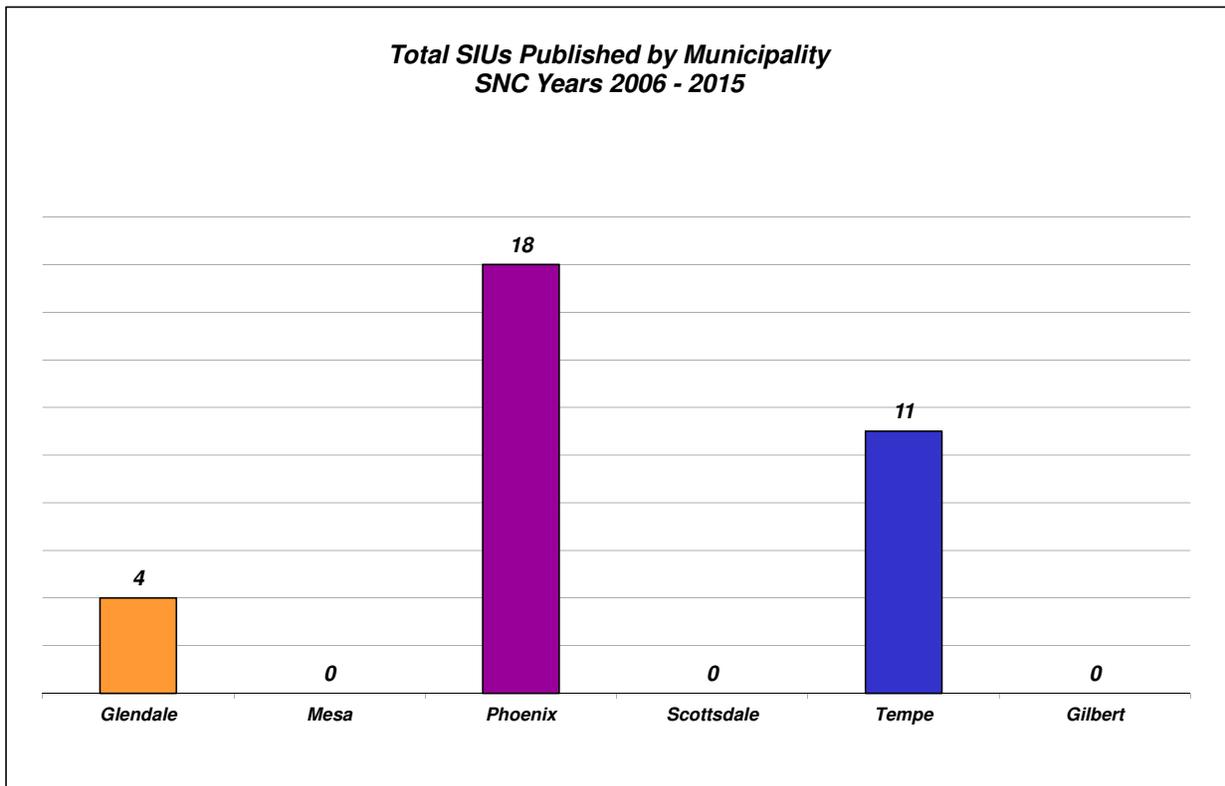
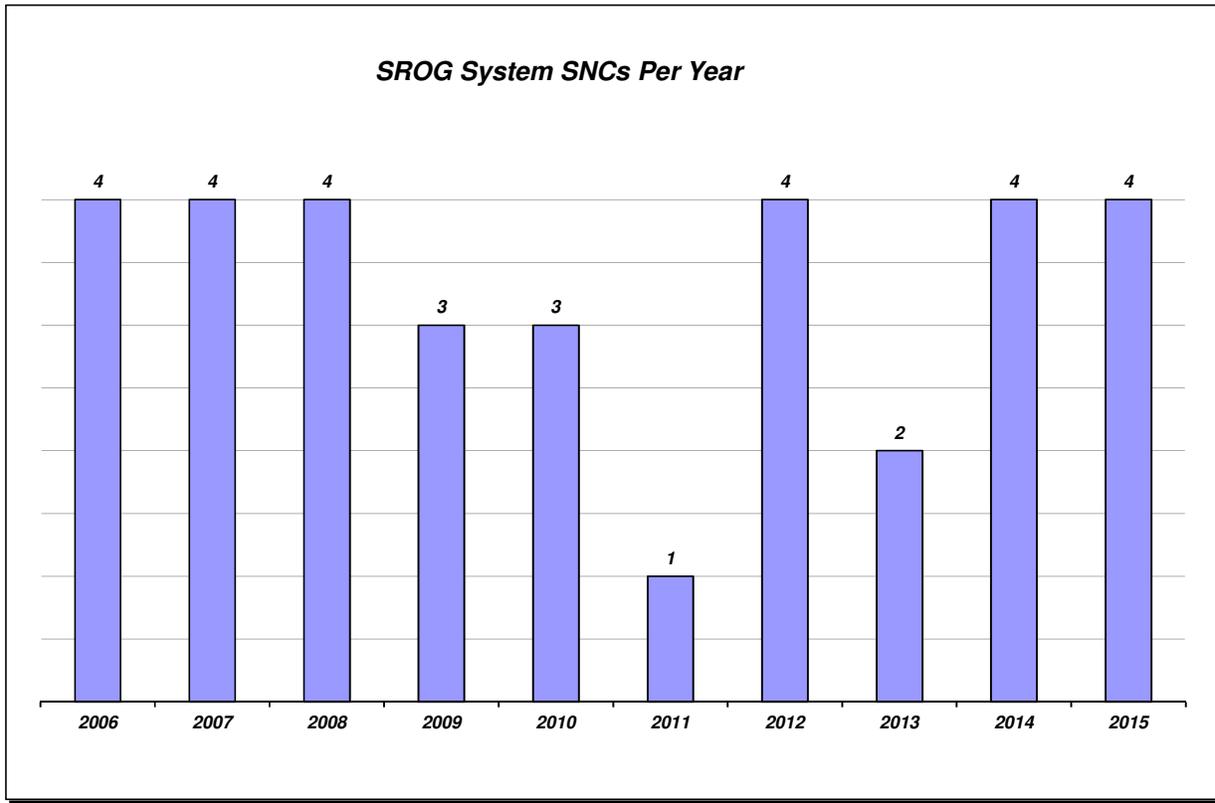
Publication of Significant Industrial Users in Significant Noncompliance (SNC)

In accordance with the Federal Clean Water Act and the public participation requirements of 40 CFR 25 pertaining to the enforcement of National Pretreatment Standards as defined by 40 CFR 403.8(f)(2)(viii), the Cities of Glendale, Mesa, Phoenix, Scottsdale, Tempe and the Town of Gilbert, Arizona annually publish in the newspaper a list of Industrial Users in Significant Noncompliance with pretreatment requirements.

A list of Industrial Users in SNC for the year ending December 31, 2015 is scheduled to appear in the Arizona Republic on Tuesday, March 15, 2016 and appears following these SNC History pages. Additionally, the March 17, 2015 Arizona Republic publication of Industrial Users in SNC for the year ending December 31, 2014 follows the 2015 SNC list. The table below and graphs on the next page illustrate a ten-year history of the number of Industrial Users in SNC for each year and for each SROG municipality.

Total SIUs Published by Municipality SNC Years 2006 - 2015											
SNC Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	10-Year Totals
Glendale	0	0	0	0	1	0	1	0	1	1	4
Mesa	0	0	0	0	0	0	0	0	0	0	0
Phoenix	2	1	2	2	2	0	2	2	2	3	18
Scottsdale	0	0	0	0	0	0	0	0	0	0	0
Tempe	2	3	2	1	0	1	1	0	1	0	11
Gilbert	0	0	0	0	0	0	0	0	0	0	0
SROG System TOTALS	4	4	4	3	3	1	4	2	4	4	34

SNC History



Industrial Users In Significant Noncompliance (SNC) with Applicable Pretreatment Requirements in 2015

The Cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe, and the Town of Gilbert, Arizona are responsible for implementing and operating industrial wastewater control (pretreatment) programs in each of their communities. Each program is designed to protect the wastewater treatment plants (POTW), the safety of personnel operating the wastewater collection system, and the environment from adverse impacts that may occur when toxic wastes are discharged into a wastewater collection system. Each municipality issues wastewater discharge permits to Industrial Users (Users) in their communities and the Users are responsible for ensuring that they comply with respective local ordinances and federal regulations.

In accordance with the Federal Clean Water Act and the public participation requirements of 40 CFR Part 25 in the enforcement of the National Pretreatment Standards as defined by 40 CFR 403.8(f)(2)(viii), the Cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe, and the Town of Gilbert, Arizona are hereby publishing the following list of Users in Significant Noncompliance(SNC) with applicable pretreatment requirements. **This notice covers the period from January 1, 2015 through December 31, 2015.**

An Industrial User is in a state of SNC when violations meet one or more of the following:

- A. Chronic violations (CSNC) of wastewater discharge limits defined here as those in which sixty-six percent or more of all of the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter.
- B. Technical Review Criteria violations (TRCSNC), defined here as those in which thirty-three percent or more of all of the measurements taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC= 1.4 for BOD, TSS, fats, oil and grease; and 1.2 for all other pollutants except pH).
- C. Any other violation of a pretreatment effluent limit (daily maximum or long term average) that the POTW determines has caused alone or in combination with other discharges interference or pass through (including endangering the health of POTW personnel or the general public);
- D. Any discharge of a pollutant that has caused imminent endangerment of human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority to halt or prevent such as discharge;
- E. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a permit or enforcement order for starting construction, completing construction, or attaining final compliance;
- F. Failure to provide within 30 days after the due date the required report such as a Baseline Monitoring Report, a 90 day compliance report, periodic self-monitoring reports, and reports on compliance with compliance schedules;
- G. Failure to accurately report noncompliance; or
- H. Any other violation or group of violations, which the POTW determines will adversely affect the operation or implementation of the local pretreatment program.

Public participation and cooperation are important to a successful industrial pretreatment program. If you have comments or witness a situation that you believe may involve an illegal discharge of pollutants or hazardous material into a municipality's sewer system, please immediately notify the appropriate municipality: Gilbert (480) 503-6411, Glendale (623) 930-4758, Mesa (480) 644-2131, Phoenix (602) 495-5926, Scottsdale (480) 391-5687, or Tempe (480) 350-2678.

Industrial User	Nature of Violation/ Type of Pollutant	Date Of Last Non-Compliance	Has User Returned to Compliant Status as of 12/31/2015?	Number of Times Published	Nature of Enforcement Action(s)	Comments
City of Glendale						
Magellan Aerospace, Glendale Inc. 5440 West Missouri Avenue Glendale, Arizona 85301-6008	TRCSNC daily maximum effluent violations for Silver in the 4 th Quarter of 2015	12/07/2015	No	2	Notice of Violation Temporary Increase in Self-Monitoring SNC Notification	IU voluntarily ceased all discharge immediately upon learning of Silver violation. IU discovered a part failure in the Silver recovery system and will be increasing the capacity of the Silver recovery system with larger canisters to prevent future violation.
City of Mesa No Users in SNC						
City of Phoenix						
Barrel O'Fun Snack Foods Southwest, Inc. 7330 West Sherman Street Phoenix, Arizona 85043-4751	Late Reporting – monthly Self-Monitoring Report submitted greater than 30-days late	09/02/2015	No	2	Notices of Violation Demand Inspections SNC Notification	Violations other than late reporting include: 6 instantaneous pH effluent violations. Show Cause Hearing imposing monetary penalties will be held during the 1 st or 2 nd Quarter of 2016
Mega Metals Unlimited Inc. 1323 North 22nd Avenue Phoenix Arizona 85009-3714	TRCSNC monthly average effluent violations for Titanium in the 3 rd Quarter of 2015	09/30//2015	Yes	1	Notices of Violation Demand Inspection SNC Notification	Violations other than late reporting include: 3 daily maximum effluent violations for Titanium. IU voluntarily ceased all discharge until upgraded wastewater pretreatment system is installed. Production-based permit limits to be recalculated. Show Cause Hearing imposing monetary penalties will be held during the 1 st or 2 nd Quarter of 2016
Abrazo Central Campus (Phoenix Baptist Hospital) 2000 West Bethany Home Road Phoenix, Arizona 85015-2443	Late Reporting - Water Balance Data Report submitted greater than 30-days late	05/18/2015	Yes	2	Notices of Violation Temporary Increase in Self-Monitoring Demand Inspection SNC Notification	Violations other than late reporting include: 8 additional late reports in response to the following effluent violations - 2 Copper, 1 Zinc, and 1 pH effluent violations occurred during chiller tube descaling by contracted servicer. Show Cause Hearing imposing monetary penalties will held during the 1 st or 2 nd Quarter of 2016
City of Scottsdale No Users in SNC						
City of Tempe No Users in SNC						
Town of Gilbert No Users in SNC						

Industrial Users In Significant Noncompliance (SNC) with Applicable Pretreatment Requirements in 2014

The Cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe, and the Town of Gilbert, Arizona are responsible for implementing and operating industrial wastewater control (pretreatment) programs in each of their communities. Each program is designed to protect the wastewater treatment plants (POTW), the safety of personnel operating the wastewater collection system, and the environment from adverse impacts that may occur when toxic wastes are discharged into a wastewater collection system. Each municipality issues wastewater discharge permits to Industrial Users (Users) in their communities and the Users are responsible for ensuring that they comply with respective local ordinances and federal regulations.

In accordance with the Federal Clean Water Act and the public participation requirements of 40 CFR Part 25 in the enforcement of the National Pretreatment Standards as defined by 40 CFR 403.8(f)(2)(viii), the Cities of Glendale, Mesa, Phoenix, Scottsdale, and Tempe, and the Town of Gilbert, Arizona are hereby publishing the following list of Users in Significant Noncompliance(SNC) with applicable pretreatment requirements. **This notice covers the period from January 1, 2014 through December 31, 2014.**

An Industrial User is in a state of SNC when violations meet one or more of the following:

- A. Chronic violations (CSNC) of wastewater discharge limits defined here as those in which sixty-six percent or more of all of the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter.
- B. Technical Review Criteria violations (TRCSNC), defined here as those in which thirty-three percent or more of all of the measurements taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC= 1.4 for BOD, TSS, fats, oil and grease; and 1.2 for all other pollutants except pH).
- C. Any other violation of a pretreatment effluent limit (daily maximum or long term average) that the POTW determines has caused alone or in combination with other discharges interference or pass through (including endangering the health of POTW personnel or the general public);
- D. Any discharge of a pollutant that has caused imminent endangerment of human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority to halt or prevent such as discharge;
- E. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a permit or enforcement order for starting construction, completing construction, or attaining final compliance;
- F. Failure to provide within 30 days after the due date the required report such as a Baseline Monitoring Report, a 90 day compliance report, periodic self-monitoring reports, and reports on compliance with compliance schedules;
- G. Failure to accurately report noncompliance; or
- H. Any other violation or group of violations, which the POTW determines will adversely affect the operation or implementation of the local pretreatment program.

Public participation and cooperation are important to a successful industrial pretreatment program. If you have comments or witness a situation that you believe may involve an illegal discharge of pollutants or hazardous material into a municipality's sewer system, please immediately notify the appropriate municipality: Gilbert (480) 503-6411, Glendale (623) 930-4758, Mesa (480) 644-2131, Phoenix (602) 495-5926, Scottsdale (480) 391-5687, or Tempe (480) 350-2678.

Industrial User	Nature of Violation/ Type of Pollutant	Date Of Last Non-Compliance	Has User Returned to Compliant Status as of 12/31/2014?	Number of Times Published	Nature of Enforcement Action(s)	Comments
City of Glendale						
Magellan Aerospace, Glendale Inc. 5440 West Missouri Avenue Glendale, Arizona 85301-6008	TRCSNC for Daily Maximum Selenium violations	03/18/2014	Yes	1	Notices of Violation	User voluntarily stopped discharging from x-ray area into the sewer system until Arsenic & Selenium contamination was resolved.
City of Mesa No Users in SNC						
City of Phoenix						
Barrel O'Fun Snack Foods Southwest, Inc. 7330 West Sherman Street Phoenix, Arizona 85043-4751	Reports greater than 30-days late: Four 24-Hr notifications of pH violations and one 30-Day automatic resample report	11/14/2014	Yes	1	Notices of Violation Compliance Review Meeting Administrative Order (AO)	As of 01/30/2015, all AO requirements were met.
MPP Group of Companies 230 South 49th Avenue Phoenix, Arizona 85043-3905	Compliance Schedule Item & Report greater than 30-days late: Certified Engineer's evaluation of chemical tank farm	08/19/2014	No	1	Notices of Violation Show Cause Hearings Civil Penalties PSAs and Compliance Schedules	Compliance Schedule items pending completion.
Vanguard Health Systems dba Paradise Valley Hospital 3929 East Bell Road Phoenix, Arizona 85032-2112	Report greater than 30-days late: Temporary Increase in Self-Monitoring (TISM) report for Daily Maximum Copper violation	12/18/2014	No	1	Notices of Violation	Show Cause Hearing to be held during the 1 st Quarter of 2015.
City of Scottsdale No Users in SNC						
City of Tempe						
Aerospace Contacts, LLC 560 West Southern Avenue Tempe, Arizona 85282-4506	CSNC for Daily Maximum and Monthly Average Copper and Lead violations. TRCSNC: for Daily Maximum and Monthly Average Zinc violations	03/07/2014	Yes	1	Notices of Violation Civil Penalties Administrative Order	User no longer discharges industrial process wastewater into the sanitary sewer system
Town of Gilbert No Users in SNC						

SECTION 1.3

DEFINITIONS, LIMITS, AND FORMS

DEFINITIONS

The following is a list of the more commonly used words and phrases used throughout this report.

Baseline Monitoring Report (BMR) - The initial Monitoring Report submitted by categorical industrial users in accordance with 40 CFR 403.12.

Bypass - The intentional diversion of wastes from any portion of a treatment facility.

Categorical Standards - (National/Federal Categorical Pretreatment Standards) - Those standards promulgated by the U.S. Environmental Protection Agency (EPA) under the authority of Section 307 (b) and (c) of the Clean Water Act (33 U.S.C. 1317) which apply to a specific category of Industrial User and which are published in 40 CFR Chapter I, Subchapter N (Parts 401-471).

Compliance Status - Is a standard established by the EPA on which to measure whether an industrial discharger is complying with the law. This standard is broken down into three parts: (1) Compliance, (2) Inconsistent compliance, and (3) Significant noncompliance. Compliance is when an industrial discharger has committed no pretreatment violations during the reporting year. Significant noncompliance is defined in the definition section. Inconsistent compliance is where there is at least one pretreatment violation, or more, but not enough to reach significant noncompliance.

Composite sample - A combination of individual samples obtained at regular intervals over a specified time period. The volume of each individual sample shall be either proportional to the flow rate during the sample period (flow composite) or constant and collected at equal time intervals during the composite period (time composite) as defined in the permit.

Industrial User

- A. A source of industrial discharge; or
- B. Any nonresidential user of the sewer system which discharges more than the equivalent strength of 25,000 gallons per day of domestic wastes;
- C. Any significant industrial user;
- D. Has control over the disposal of a waste as described in A, B, or C above; or
- E. Has the right of possession and control over any property which produces a waste as described in A, B, C, or D above.

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 operation, or its sludge processes use or disposal
- B. Therefore is a cause of a violation of any requirement of any environmentally related permit issued by a governmental entity (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 II, 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 Sanctuaries Act.

Liquid Waste Hauler (or Waste Hauler) - Any person carrying on or engaging in vehicular transport of wastewater or wastes as part of, or incidental to, any business for the purpose of discharging such waste into the City's treatment works.

NPDES Permit - A National Pollutant Discharge Elimination System Permit, issued to the City by the EPA, which imposes federal standards governing the quality of the treated effluent discharged from the POTW.

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 NPDES Permit (including an increase in the magnitude or duration of a violation) or which causes or contributes to a violation of an applicable numeric or narrative water quality standard.

Pretreatment - The physical, chemical, biological or other treatment of any industrial discharge prior to discharge to the POTW, for the purpose of:

- A. Reducing the amount or concentration of any pollutant; or
- B. Eliminating the discharge or any pollutant; or
- C. Altering the nature of any pollutant characteristic to a less harmful state.

POTW - Publicly Owned Treatment Works and connecting sewer collection system which are owned and/or operated, in whole or in part, by the City and which provide the City with wastewater collection and disposal services.

Sanitary Sewer - A sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.

Significant Industrial User - This term includes:

- A. All process wastewater discharges subject to categorical pretreatment standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N.
- B. All noncategorical dischargers that, in the opinion of the Director, have a reasonable potential to adversely affect the operation, or that contribute a process wastestream which makes up five percent or more of the average dry weather capacity of any of the POTW treatment plants or that discharges an average of 25,000 gallons per day or more of process wastewater to the POTW, or has a reasonable potential for adversely affecting the POTW operation or for violating any pretreatment standard or requirement.

Significant Noncompliance - An Industrial user is in a state of significant noncompliance (SNC) when violations meet one or more of the following criteria:

- A. Chronic violations of wastewater discharge limits, defined here as those in which 66 percent or more of all of the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter;
- B. Technical Review Criteria (TRC) violations, defined here as those in which 33 percent or more of all of the measurements for each pollutant parameter taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH);
- C. Any other violation of a pretreatment effluent limit (daily maximum or long-term average) that the POTW determines has caused, alone or in combination with other dischargers, interference or pass through (including endangering the health of POTW personnel or the general public);
- D. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under this Chapter to halt or prevent such a discharge;
- E. Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a permit or enforcement order for starting construction, completing construction, or attaining final compliance;
- F. Failure to provide within 30 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self monitoring reports, and reports on compliance with compliance schedules;
- G. Failure to accurately report noncompliance; or
- H. Any other violation or group of violations, which the POTW determines, will adversely affect the operation or implementation of the local pretreatment program.

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 permittee, excluding such factors as operational error, improperly designed or inadequate treatment facilities, or improper operation and maintenance or lack thereof.

PHRASES

Parameter Violation - A pre-established limit for a particular pollutant has been exceeded, resulting in an unlawful wastewater discharge to the sanitary sewer. For example, if Company XYZ is only regulated under the Phoenix City Code, and discharges silver, the permissible limit would be 1.2 mg/l (parts per million). If a discharge exceeds this limit, then that would be a parameter violation.

Reporting Violation - Failure of the industrial discharger to submit reports required under the law.

Limits Appendices Glendale, Mesa, Phoenix, Scottsdale, and Gilbert

The Limits Appendices on the following pages are used in the Significant Industrial User Compliance Status Reports of this annual report, and apply to the discharges from all permitted industrial users throughout the Cities of Glendale, Mesa, Phoenix, Scottsdale, and Town of Gilbert service area. The more stringent of the applicable Federal Categorical Standards and the Local Limits contained in Appendix A are applied on a parameter-by-parameter basis to the industrial users' discharges.

All limitations for each limit appendix are in concentration units of milligrams per liter (mg/L), unless noted otherwise.

APPENDIX DESCRIPTION

A	Local Limits
B	423.16 Steam Electric Power Generating PSES
C	420.106 Iron and Steel Manufacturing PSNS Concentration Equivalent Allied Tube
D	433.15 Metal Finishing PSES
E	433.17 Metal Finishing PSNS
F	469.18 Electrical and Electronic Components Subpart A PSNS
G	467.35 Aluminum Forming Subpart C PSES Concentration Equivalent Sapa Remelt
H	467.35 Aluminum Forming Subpart C PSES Concentration Equivalent Sapa Plant 1
I	467.35 Aluminum Forming Subpart C PSES Concentration Equivalent Sapa Plant 2
J	465.45.Coil Coating Subpart D PSNS Concentration Equivalent
K	439.46 Pharmaceutical Manufacturing Subpart D PSES
L	439.47 Pharmaceutical Manufacturing Subpart D PSNS
M	439.47 Pharmaceutical Manufacturing Subpart D PSNS & CWF 65% BioTech
N	437.16 Centralized Waste Treatment Subpart A PSNS
O	437.26 Centralized Waste Treatment Subpart B PSNS
P	437.36 Centralized Waste Treatment Subpart C PSNS
Q	437.46(b) Centralized Waste Treatment Subpart D Multiple Wastestreams
R	421.306 Nonferrous Metals Manufacturing Subpart AB PSNS Conc. Equivalent
S	469.18 Electrical and Electronic Components CWF 98.46% Entrepix
T	469.28 Electrical and Electronic Components CWF 66% SUMCO
U	464.36 Metal Molding and Casting Subpart C PSNS
V	PLACEHOLDER
W	433.17 Metal Finishing CWF 90.41% MPP Group of Companies
X	433.17 Metal Finishing CWF 97.2% Honeywell Sky Harbor Circle
Y	PLACEHOLDER
Z	PLACEHOLDER

APPENDIX A - Local Limits

Metals	Daily Maximum (mg/L)	Prohibited Substances (µg/L)	
Arsenic	0.13	4,4' - DDE	
Cadmium	0.047	4,4' - DDT	
Copper	1.5	Aldrin	
Lead	0.41	BHC-Alpha	
Mercury	0.0023	BHC-Beta	
Selenium	0.10	BHC-Gamma (Lindane)	
Silver	1.2	Heptachlor	
Zinc	3.5	Heptachlor Epoxide	
Anions	Daily Maximum (mg/L)	Polychlorinated Biphenyl Compounds (PCBs)	
Cyanide (T)	2.0	Pretreatment Sludges	
Other	Range	Organics	Daily Maximum (µg/L)
pH	5.0 – 10.5 SU	Benzene	35
Other	Daily Maximum	Chloroform	2000
Temperature (Max)	150°F/66°C		
Flash Point	140°F/60°C		

**APPENDIX B – Steam Electric Power Generating
Pretreatment Standards for Existing Sources
40 CFR 423.16**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	0.2	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	1.0	N/A
pH	5.0 – 10.5 SU	N/A

**APPENDIX C – Iron and Steel Manufacturing
Pretreatment Standards for New Source
40 CFR 420.106 (a)(2)**

**Concentration Equivalent
Allied Tube & Conduit Corporation
2525 North 27th Avenue
Phoenix, Arizona 85009-1710**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	7.92	3.16
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	1.19
Mercury	0.0023	N/A
Naphthalene	800 µg/L	N/A
Nickel	7.12	2.37
pH	5.0 – 10.5 SU	N/A
Selenium	0.10	N/A
Silver	1.2	0.7*
Tetrachloroethylene	530 µg/L	N/A
Zinc	2.37	0.80

**APPENDIX D – Metal Finishing
Pretreatment Standards for Existing Sources
40 CFR 433.15**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	0.26
Chromium	2.77	1.71
Copper	1.5	2.07
Cyanide (T)	1.20	0.65
Lead	0.41	0.43
Mercury	0.0023	N/A
Nickel	3.98	2.38
Selenium	0.10	N/A
Silver	0.43	0.24
TTO	2.13	N/A
Zinc	2.61	1.48
pH	5.0 – 10.5 SU	N/A

Cyanide limitations apply to cyanide bearing process wastewaters prior to combining with other process flows.

**APPENDIX E - Metal Finishing
Pretreatment Standards for New Sources
40 CFR 433.17**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	0.07
Chromium	2.77	1.71
Copper	1.5	2.07
Cyanide (T)	1.20	0.65
Lead	0.41	0.43
Mercury	0.0023	N/A
Nickel	3.98	2.38
Selenium	0.10	N/A
Silver	0.43	0.24
TTO	2.13	N/A
Zinc	2.61	1.48
pH	5.0 – 10.5 SU	N/A

Cyanide limitations apply to cyanide bearing process wastewaters prior to combining with other process flows.

**APPENDIX F – Electrical and Electronic Components
 Subpart A – Semiconductor Subcategory
 Pretreatment Standards for New Sources
 40 CFR 469.18**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	1.37	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

**APPENDIX G – Aluminum Forming
Subpart C – Extrusion Subcategory
Pretreatment Standards for Existing Sources
40 CFR 467.35**

**Concentration Equivalent
Sapa Extrusions North America, LLC - Remelt Operation
249 South 51st Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	5.50	2.25
Copper	1.5	N/A
Cyanide (T)	2.0	1.51
Lead	0.41	N/A
Mercury	0.0023	N/A
Oil & Grease	661	325
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	8.61	N/A
Zinc	3.5	7.61
pH	5.0 – 10.5 SU	N/A

These limitations were converted from the Federally promulgated mass-based standards in accordance with the Federal General Pretreatment Regulations at 40CFR 403.6(c). These limits represent the more stringent of the converted standards and local limitations.

**APPENDIX H - Aluminum Forming
Subpart C – Extrusion Subcategory
Pretreatment Standards for Existing Sources
40 CFR 467.35**

**Concentration Equivalent
Sapa Extrusions North America, LLC - Extrusion Operation Plant 1
249 South 51st Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	1.79	0.74
Copper	1.5	N/A
Cyanide (T)	1.18	0.21
Lead	0.41	N/A
Mercury	0.0023	N/A
Oil & Grease	214.48	45.40
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	2.80	N/A
Zinc	3.5	1.06
pH	5.0 – 10.5 SU	N/A

These limitations were converted from the Federally promulgated mass-based standards in accordance with the Federal General Pretreatment Regulations at 40CFR 403.6(c). These limits represent the more stringent of the converted standards and local limitations.

**APPENDIX I – Aluminum Forming
Subpart C – Extrusion Subcategory
Pretreatment Standards for Existing Sources
40 CFR 467.35**

**Concentration Equivalent
Sapa Extrusions North America, LLC - Extrusion Operation Plant 2
249 South 51st Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	0.73	0.30
Copper	1.5	N/A
Cyanide (T)	0.48	0.04
Lead	0.41	N/A
Mercury	0.0023	N/A
Oil & Grease	89.45	8.42
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	1.15	N/A
Zinc	2.42	0.20
pH	5.0 – 10.5 SU	N/A

These limitations were converted from the Federally promulgated mass-based standards in accordance with the Federal General Pretreatment Regulations at 40CFR 403.6(c). These limits represent the more stringent of the converted standards and local limitations.

**APPENDIX J – Coil Coating
Subpart D Can Making Subcategory
Pretreatment Standards for New Sources
40 CFR 465.45**

**Concentration Equivalent
Rexam Beverage Can Company
211 North 51st Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	0.69	0.28
Copper	1.5	1.56
Cyanide (T)	2.0	N/A
Fluoride	93.16	41.33
Lead	0.41	N/A
Manganese	1.06	0.46
Mercury	0.0023	N/A
Oil & Grease (SGT-HEM)	31.30	18.79
Phosphorus (T)	26.15	10.70
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	0.50	0.23
Zinc	2.29	0.96
pH	5.0 – 10.5 SU	N/A

These limitations were converted from the Federally promulgated mass-based standards in accordance with the Federal General Pretreatment Regulations at 40CFR 403.6(c). These limits represent the more stringent of the converted standards and local limitations.

**APPENDIX K – Pharmaceutical Manufacturing
Subpart D Mixing/Compounding and Formulation Subcategory
Pretreatment Standards for Existing Sources
40 CFR 439.46**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Acetone	20.7	8.2
n-Amyl Acetate	20.7	8.2
Ethyl Acetate	20.7	8.2
Isopropyl Acetate	20.7	8.2
Methylene Chloride	3.0	0.7
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

APPENDIX L - Pharmaceutical Manufacturing
Subpart D Mixing/Compounding and Formulation Subcategory
Pretreatment Standards for New Sources
40 CFR 439.47

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Acetone	20.7	8.2
n-Amyl Acetate	20.7	8.2
Ethyl Acetate	20.7	8.2
Isopropyl Acetate	20.7	8.2
Methylene Chloride	3.0	0.7
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

**APPENDIX M - Pharmaceutical Manufacturing
Subpart D Mixing/Compounding and Formulation Subcategory
Pretreatment Standards for New Sources
40 CFR 439.47**

**65% Combined Wastestream Formula
BioTech Research Laboratory
3809 East Watkins Street**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Acetone	13.6	5.3
n-Amyl Acetate	13.6	5.3
Ethyl Acetate	13.6	5.3
Isopropyl Acetate	13.6	5.3
Methylene Chloride	1.95	0.45
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

These limitations were derived by applying the Combined Wastestream Formula at 40 CFR 403.6(e) to the discharges regulated under Local Limitations and Pharmaceutical Manufacturing Point Source Standards (40 CFR 439.47).

**APPENDIX N – Centralized Waste Treatment
Subpart A – Metals Treatment and Recovery
Pretreatment Standards for New Sources
40 CFR 437.16**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Antimony	0.249	0.206
Arsenic	0.13	0.104
Cadmium	0.047	0.0962
Chromium	15.5	3.07
Cobalt	0.192	0.124
Copper	1.5	1.06
Cyanide(T)	2.0	N/A
Lead	0.41	0.283
Mercury	0.0023	0.000739
Nickel	3.95	1.45
Selenium	0.10	0.408
Silver	0.120	0.0351
Tin	0.409	0.120
Titanium	0.0947	0.0618
Vanadium	0.218	0.0662
Zinc	2.87	0.641
pH	5.0 – 10.5 SU	N/A

**APPENDIX O – Centralized Waste Treatment
Subpart B – Oils Treatment and Recovery
Pretreatment Standards for New Sources
40 CFR 437.26**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Bis(2-ethylhexylphthalate)	0.215	0.101
Cadmium	0.047	N/A
Carbazole	0.598	0.276
Chromium	0.746	0.323
Cobalt	56.4	18.8
Copper	1.5	0.242
Cyanide (T)	2.0	N/A
Fluoranthene	0.0537	0.0268
Lead	0.350	0.160
Mercury	0.0023	N/A
n-Decane	0.948	0.437
n-Octadecane	0.589	0.302
Selenium	0.10	N/A
Silver	1.2	N/A
Tin	0.335	0.165
Zinc	3.5	4.50
pH	5.0 – 10.5 SU	N/A

**APPENDIX P – Centralized Waste Treatment
Subpart C – Organics Treatment and Recovery
Pretreatment Standards for New Sources
40 CFR 437.36**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
2,4,6-Trichlorophenol	0.155	0.106
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
p-Cresol	0.698	0.205
o-Cresol	1.92	0.561
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

**APPENDIX Q – Centralized Waste Treatment
Subpart D Multiple Wastestreams
Pretreatment Standards for Existing Sources
40 CFR 437.46(b)**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
2,4,6-Trichlorophenol	0.155	0.106
Antimony	0.249	0.206
Arsenic	0.13	0.104
Bis(2-ethylhexyl)phthalate	0.267	0.158
Cadmium	0.047	0.0962
Carbazole	0.392	0.233
Chromium	0.947	0.487
Cobalt	0.192	0.124
Copper	0.405	0.301
Cyanide	2.0	N/A
Fluoranthene	0.787	0.393
Lead	0.222	0.172
Mercury	0.00234	0.000739
Molybdenum	N/A	N/A
n-Decane	5.79	3.31
Nickel	3.95	1.45
n-Octadecane	1.22	0.925
o-Cresol	1.92	0.561
p-Cresol	0.698	0.205
Selenium	0.10	N/A
Silver	0.120	0.0351
Tin	0.409	0.120
Titanium	0.0947	0.0618
Vanadium (T)	0.218	0.0662
Zinc	2.87	0.641
pH	5.0 – 10.5 SU	N/A

**APPENDIX R – Nonferrous Metals Manufacturing
Subpart AB Primary & Secondary Titanium Subcategory
Pretreatment Standards for New Sources
40 CFR 421.306**

**Concentration Equivalent
Mega Metals
Permitted 02/2015**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	2.1	0.85
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	0.74
Mercury	0.0023	N/A
Nickel	3.1	2.10
Selenium	0.10	N/A
Silver	1.2	N/A
Titanium	3.0	1.30
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

**APPENDIX S - Electrical and Electronic Components
Subpart A – Semiconductor Subcategory
Pretreatment Standards for New Sources
40 CFR 469.18**

**98.46% Combined Wastestream Formula
Entrepix, Inc.
4717 East Hilton Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	1.35	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

APPENDIX T – Electrical and Electronic Components
Subpart B – Electronic Crystals Subcategory
Pretreatment Standards for New Sources
40 CFR 469.28

66% Combined Wastestream Formula
SUMCO Southwest Corporation
19801 North Tatum Boulevard

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A*
Cadmium	0.047	N/A
Copper	1.5	N/A
Cyanide (T)	2.0	N/A
Lead	0.41	N/A
Mercury	0.0023	N/A
Selenium	0.10	N/A
Silver	1.2	N/A
TTO	1.26	N/A
Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A

* 469.28 Arsenic limitations apply only to Gallium or Indium Arsenide manufacturers

**APPENDIX U – Metal Molding and Casting
Subpart C – Ferrous Casting Subcategory
Pretreatment Standards for New Sources
40 CFR 464.36(e) Investment Casting**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	N/A
Chromium	0.2	N/A
Copper	1.5	1.76*
Cyanide (T)	2.0	N/A
Lead	0.41	4.3*
Mercury	0.0023	N/A
Oil and Grease	330*	110*
Selenium	0.10	N/A
Silver	1.2	N/A
Zinc	1.0	6.17*
TTO	13.2*	4.3*
pH	5.0 – 10.5 SU	N/A

*kg/1,000kkg (pounds per million pounds) of metal poured

APPENDIX V - PLACEHOLDER

**APPENDIX W - Metal Finishing
Pretreatment Standards for New Sources
40 CFR 433.17**

**90.41% Combined Wastestream Limits
MPP Group of Companies
230 South 49th Avenue**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	0.06
Chromium	2.50	1.55
Copper	1.5	1.90
Cyanide (T)	1.08	0.59
Lead	0.41	0.39
Mercury	0.0023	N/A
Nickel	3.60	2.15
Selenium	0.10	N/A
Silver	0.39	0.22
TTO	1.93	N/A
Zinc	2.36	1.34
pH	5.0 – 10.5 SU	N/A

These limitations were derived by applying the Combined Wastestream Formula at 40 CFR 403.6(e) to the discharges regulated under Local Limitations and Metal Finishing Standards (40 CFR 433). Cyanide limitations apply to cyanide bearing process wastewaters prior to combining with other process flows.

**APPENDIX X - Metal Finishing
Pretreatment Standards for New Sources
40 CFR 433.17**

**97.2% Combined Wastestream Limits
Honeywell Mechanical Repair and Overhaul
Phoenix Repair and Overhaul
1944 East Sky Harbor Circle**

Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium	0.047	0.068
Chromium	2.69	1.66
Copper	1.5	2.01
Cyanide (T)	1.17	0.63
Lead	0.41	0.42
Mercury	0.0023	N/A
Nickel	3.87	2.31
Selenium	0.10	N/A
Silver	0.42	0.23
TTO	2.07	N/A
Zinc	2.54	1.44
pH	5.0 – 10.5 SU	N/A

These limitations were derived by applying the Combined Wastestream Formula at 40 CFR 403.6(e) to the discharges regulated under Local Limitations and Metal Finishing Standards (40 CFR 433). Cyanide limitations apply to cyanide bearing process wastewaters prior to combining with other process flows.

Limits Appendices Tempe

The Limits Appendices on the following pages are used in the City of Tempe Significant Industrial User Compliance Status Reports of this annual report, and apply to the discharges from all permitted industrial users throughout the City of Tempe service area. The more stringent of applicable Federal Categorical Standards and the Local Limits contained in Appendix T-A are applied on a parameter-by-parameter basis to the industrial users' discharges.

All limitations for each limit appendix are in concentration units of milligrams per liter, unless noted otherwise.

APPENDIX DESCRIPTION

T-A	Tempe Local Limits
T-B	413.14 and 413.54 Electroplating Subparts A and E PSES < 10,000 GPD
T-C	413.84 Electroplating PSES > 10,000 GPD
T-D	433.15 Metal Finishing PSES
T-E	433.17 Metal Finishing PSNS
T-F	469.16 and 469.18 Electrical and Electronic Components Subpart A PSES and PSNS
T-G	469.26 Electrical and Electronic Components Subpart B PSES
T-H	469.34 Electrical and Electronic Components Subpart C PSES
T-I	426.136.Glass Manufacturing Subpart M (b) PSNS
T-J	461.15.Battery Manufacturing Subpart A (2) PSNS
T-K	423.16 Steam Electric Power Generating PSES
T-L	439.47 Pharmaceutical Manufacturing Subpart D PSNS
T-M	421.266 Nonferrous Metals Manufacturing Subpart X PSNS
T-N	469.28 Electrical and Electronic Components Subpart B PSNS
T-O	469.36 Electrical and Electronic Components Subpart C PSNS

**APPENDIX T-A
Tempe Local Limits**

Metals	Daily Maximum mg/l	Organics	Daily Maximum mg/l	
Arsenic	0.13	Benzene	0.035	
Cadmium	0.047	Chloroform	2.0	
Copper	1.5	Other	Daily Maximum	
Lead	0.41	pH (High)	10.5 standard units	
Mercury	0.0023	pH (Low)	5 standard units	
Selenium	0.10	Temperature (Max)	150°F/66°C	Degrees
Silver	1.2	Flash Point	140°F/60°C	Degrees
Zinc	3.5			
Anions	Daily Maximum mg/l	Prohibited Substances		
Cyanide (T)	2.00	4,4' - DDE		
		4,4' - DDT		
		Aldrin		
		BHC-Alpha		
		BHC-Beta		
		BHC-Gamma (Lindane)		
		Heptachlor		
		Heptachlor Epoxide		
		Polychlorinated Biphenyl Compounds (PCBs)		
		Pretreatment Sludges		

APPENDIX T-B

40 CFR 413 - Electroplating Point Source Category, <10,000 GPD

**40 CFR 413.14, Subpart A – Electroplating of Common Metals Subcategory,
Pretreatment Standards for Existing Sources (PSES)**

and

**40 CFR 413.54, Subpart E – Coatings Subcategory,
Pretreatment Standards for Existing Sources (PSES)**

Parameter	Daily Maximum mg/l	Four-Day Average mg/l	Sample Method
Cyanide, Amenable*	5.00	2.70	Grab
Lead, Total	0.60	0.40	Composite
Cadmium, Total	1.20	0.70	Composite
Total Toxic Organics**	4.57	N/A	Grab

* The Cyanide sample shall be taken at the end of CN destruction and before mixing with any other waste stream if process is present.

** See Attachment 1

APPENDIX T-C

40 CFR 413.84 - Electroplating Point Source Category, > 10,000 GPD Subpart H - Printed Circuit Board Subcategory, Pretreatment Standards for Existing Sources (PSES)

Parameter	Daily Maximum mg/l	Four-Day Average mg/l	Sample Method
Cyanide, Total*	1.90	1.00	Grab
Copper, Total	4.50	2.70	Composite
Nickel, Total	4.10	2.60	Composite
Chromium, Total	7.00	4.00	Composite
Zinc, Total	4.20	2.60	Composite
Lead, Total	0.60	0.40	Composite
Cadmium, Total	1.20	0.70	Composite
Total Metals**	10.50	6.80	Composite
Total Toxic Organics***	2.13	N/A	Grab

* The Cyanide sample shall be taken at the end of CN destruction and before mixing with any other waste stream if process is present.

** The term "total metals" is defined as the sum of the concentration or mass of Copper (Cu), Nickel (Ni), Chromium (Cr)(total) and Zinc (Zn).

*** See Attachment 1

APPENDIX T-D

40 CFR 433.15 - Metal Finishing Point Source Category, Subpart A – Metal Finishing Subcategory, Pretreatment Standards for Existing Sources (PSES)

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Cadmium, Total	0.69	0.26	Composite
Chromium, Total	2.77	1.71	Composite
Copper, Total	3.38	2.07	Composite
Lead, Total	0.69	0.43	Composite
Nickel, Total	3.98	2.38	Composite
Silver, Total	0.43	0.24	Composite
Zinc, Total	2.61	1.48	Composite
Cyanide, Total*	1.20	0.65	Grab
Total Toxic Organics**	2.13	N/A	Grab

* The Cyanide sample shall be taken at the end of CN destruction and before mixing with any other waste stream if process is present.

** See Attachment 1

APPENDIX T-E

40 CFR 433.17 - Metal Finishing Point Source Category, Subpart A – Metal Finishing Subcategory, Pretreatment Standards for New Sources (PSNS)

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Cadmium, Total	0.11	0.07	Composite
Chromium, Total	2.77	1.71	Composite
Copper, Total	3.38	2.07	Composite
Lead, Total	0.69	0.43	Composite
Nickel, Total	3.98	2.38	Composite
Silver, Total	0.43	0.24	Composite
Zinc, Total	2.61	1.48	Composite
Cyanide, Total*	1.20	0.65	Grab
Total Toxic Organics**	2.13	N/A	Grab

* The Cyanide sample shall be taken at the end of CN destruction and before mixing with any other waste stream if process is present.

** See Attachment 1

APPENDIX T-F

**40 CFR 469.16 – Electrical and Electronic Components Point Source Category,
Subpart A – Semiconductor Subcategory
Pretreatment Standards for Existing Sources (PSES)**

AND

**40 CFR 469.18 - Electrical and Electronic Components Point Source Category,
Subpart A - Semiconductor Subcategory,
Pretreatment Standards for New Sources (PSNS)**

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Total Toxic Organics*	1.37	N/A	Grab

* See Attachment 1

APPENDIX T-G

**40 CFR 469.26 - Electrical and Electronic Components Point Source Category,
Subpart B - Electronic Crystals Subcategory,
Pretreatment Standards for Existing Sources (PSES)**

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Total Toxic Organics*	1.37	N/A	Grab
Arsenic, Total	2.09	0.83	Composite

* See Attachment 1

APPENDIX T-H

40 CFR 469.34 - Electrical and Electronic Components Point Source Category, Subpart C - Cathode Ray Tube Subcategory, Pretreatment Standards for Existing Sources (PSES)

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Total Toxic Organics*	1.58	N/A	Grab
Cadmium, Total	0.06	0.03	Composite
Chromium, Total	0.65	0.30	Composite
Lead, Total	1.12	0.41	Composite
Zinc, Total	1.38	0.56	Composite
Fluoride, Total	35.00	18.00	Composite

* See Attachment 1

APPENDIX T-I

**40 CFR 426.136 - Glass Manufacturing Point Source Category
Subpart M (b) - Hand Pressed and Blown Glass Manufacturing Subcategory
Pretreatment Standards for New Sources (PSNS)**

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Fluoride, Total	26.00	13.00	Composite

APPENDIX T-J

**40 CFR 461.15 - Battery Manufacturing Point Source Category
Subpart A (2) - Cadmium Subcategory - Impregnated Anodes
Pretreatment Standards for New Sources (PSNS)**

Parameter	Daily Maximum mg/kg	Monthly Average mg/kg	Sample Method
Cadmium, Total	40.00	16.00	Composite
Nickel, Total	110.00	74.00	Composite
Zinc, Total	204.00	84.00	Composite
Cobalt, Total	28.00	14.00	Composite

APPENDIX T-K

40 CFR 423.16 - Steam Electric Power Generating Point Source Category Pretreatment Standards for Existing Sources (PSES)

Parameter	Chemical Metal Cleaning Wastes Daily Maximum mg/l	Cooling Tower Blowdown Maximum anytime mg/l	Sample Method
Copper, Total*	1.00	N/A	Composite
Chromium, Total	N/A	0.20	Composite
Zinc, Total	N/A	1.00	Composite
All other Priority Pollutants	N/A	No Detectable Amount	Composite

There shall be no discharge of Polychlorinated Biphenyls.

* This applies only when chemical metal cleaning waste is being discharged.

APPENDIX T-L

40 CFR 439.47 - Pharmaceutical Manufacturing Point Source Category Subpart D - Mixing/Compounding and Formulation Subcategory Pretreatment Standards for New Sources (PSNS)

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Acetone	20.70	8.20	Grab
n-Amyl acetate	20.70	8.20	Grab
Ethyl acetate	20.70	8.20	Grab
Isopropyl acetate	20.70	8.20	Grab
Methylene chloride	3.00	0.70	Grab

APPENDIX T-M

**40 CFR 421 - Nonferrous Metals Manufacturing Point Source Category
Subpart X - Secondary Precious Metals Subcategory,
§421.266 - Pretreatment Standards for New Sources (PSNS)
(c) Spent Plating Solutions**

(as amended at 55 FR 31711-31713, August 3, 1990)

Pollutant	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Copper	1.28	0.61	Composite
Cyanide (Total)	0.20	0.08	Grab
Zinc	1.02	0.42	Composite
Combined Metals (Au, Pt, Pd only)	0.30	----	Composite
Ammonia (as N)	133.30	58.60	Composite

APPENDIX T-N

**40 CFR 469.28 - Electrical and Electronic Components
Point Source Category
Subpart B - Electronic Crystals Subcategory
Pretreatment Standards for New Sources (PSNS)**

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
Total Toxic Organics*	1.37	N/A	Grab
Arsenic (T)**	2.09	.083	Composite

* See Attachment 1

** The Arsenic (T) limitation only applies to manufacturers of gallium or indium arsenide crystals.

APPENDIX T-O

**40 CFR 469.36 – Electrical and Electronic Components
Point Source Category
Subpart C – Cathode Ray Tube Subcategory
Pretreatment Standards for New Sources (PSNS)**

Parameter	Daily Maximum mg/l	Monthly Average mg/l	Sample Method
TTO*	1.58	N/A	Grab
Cadmium (T)	0.06	0.03	Composite
Chromium (T)	0.56	0.26	Composite
Lead (T)	0.72	0.27	Composite
Zinc (T)	0.80	0.33	Composite
Fluoride (T)	35.00	18.00	Composite

* See Attachment 1

GUIDE TO THE SIU COMPLIANCE STATUS REPORT FORM

In order to facilitate understanding of the information supplied on the Significant Industrial User (SIU) Compliance Status Report Form contained in this report, the following words and phrases have been defined beginning with the top left hand portion of the form and continuing through to the bottom of the reverse side (refer to sample form following this guide):

1. **NAME:** The correct legal name of the significant industrial user (SIU).
2. **REPORT PERIOD:** The report is done yearly or on a quarterly basis. The four quarters end on March 31, June 30, September 30, and December 31. The year ends on December 31. The report period including the year is shown here.
3. **SERVICE ADDRESS:** The street address of the SIU, which contains the authorized discharge point(s) to the sewer.
4. **MAILING ADDRESS:** The address where written communication is given to the SIU. This may be the same as the service address.
5. **CATEGORICAL INDUSTRIAL USER:** This is followed by a "yes" or "no". If a yes is inserted, then the appropriate 40 CFR Citation is used in 5a. For example, a company having plating operations with thermal infusion coating process would have a 40 CFR cite of 40 CFR 433.17. "CFR" stands for Code of Federal Regulations. If this is a Non-Categorical SIU, N/A would be shown in 5a.
6. **LIMITS APPENDIX:** Identifies the parameters and limits with which the SIU must comply. These limits are identified with letters of the alphabet, which in turn corresponds to the applicable limits. For example, the letter "A" contains the city code limitations. To review the actual limitations see the limits appendices found in this Report.
7. **BMR SUBMITTED:** This is the date that the Baseline Monitoring Report (BMR) was submitted. This report is a requirement for all categorical users discharging to the sewer.
8. **TTO Certification Date Submitted:** Either the date submitted or N/A should be indicated. For facilities having limits for total toxic organics (TTO), this indicates the date certification was provided.
9. **PERMIT EFFECTIVE:** This is the date that a City Permit was effective authorizing the SIU to discharge to the City sewer.
10. **PERMIT EXPIRES:** This is the date that the City Permit expires. If the date is followed by the letters "AE", this means that even though the SIU timely submitted an application for a new permit, a new permit has not been issued. However, the existing permit expiration date is automatically extended so that the existing permit remains in full force and effect until the new permit is issued.
11. **SAMPLING LOCATION VERIFIED ON:** This is the last date on which the point at which compliance samples are taken was visually viewed and verified by the City.

- 12. RCRA NOTICE:** This acronym stands for the Resource Conservation and Recovery Act (42 U.S.C. § 6901 et seq.). 40 CFR 403.8(f)(2)(iii) requires the City to notify industrial users (IUs) of any applicable requirements under Subtitles C and D of RCRA. Generally, this notice describes requirements applicable to IUs regarding the identification of hazardous wastes generated by those IUs and limitations regarding hazardous waste accumulation and storage by IUs. This notice is generally given to the IU in one of the following EPA documents: "RCRA Information on Hazardous Waste for Publicly Owned Treatment Works"; Understanding the Small Quantity Generator Hazardous Waste Rules." The RCRA Notice is the date of the letter sent to the IU.
- 13. SLUG CONTROL PLAN EVALUATION DATE:** This is the last date that the SIU was evaluated to determine the need for a plan to control slug discharges.
- 14. a. NUMBER OF INSPECTIONS:** Indicates the number of on-site inspections of the SIU during the quarter. Every inspection is followed-up with a written report. The date the inspection was actually performed determines its quarter location on the form, even though a typed report may not be finalized until a later quarter.
- b. NUMBER OF CITY SAMPLING DAYS:** Indicates the actual number of days that the City took wastewater samples during the quarter. Note: Days in which pH was the only parameter monitored are not included in this number.
- c. NUMBER OF SIU SAMPLING DAYS:** Indicates the actual number of days that the SIU took wastewater samples during the quarter. Note: Days in which pH was the only parameter monitored are not included in this number.
- d. NUMBER OF PARAMETER VIOLATIONS:** Indicates the actual number of parameters (limitations) that were violated during the quarter. As an example, if there was one copper and one silver limit exceeded on July 14, then the Arabic number two (2) would appear for this requirement in the Third Quarter box.
- e. NUMBER OF INSPECTION VIOLATIONS:** Indicates by quarter the number of pretreatment violations that were found through on-site inspections of the SIU.
- f. NUMBER OF REPORTING VIOLATIONS:** SIUs are required to submit periodic reports that include results of their sampling, as well as meeting other reporting obligations. This indicates the actual number of pretreatment violations arising from failure to meet reporting requirements.
- g. NUMBER OF PERMIT CONDITION VIOLATIONS:** Indicates by quarter the number of permit condition violations found. Examples of permit condition violations are failure to sample required parameters; using incorrect analytical methods; taking grab samples in lieu of composite when required.
- h. COMPLIANCE STATUS:** This is indicated by the letters "C", "I", and "S", which is further discussed in "Compliance codes" below.
- i. EVALUATED AS OF:** This is the actual date on which the compliance status of the SIU was determined, using data available at that time.

15. COMPLIANCE CODES:

- a. C=Compliance: This means that the SIU was in 100 percent compliance with every applicable pretreatment requirement for every day in the quarter.
- b. I=Inconsistent Compliance: This means that the SIU had at least one pretreatment violation during the quarter, but the violation(s) did not meet the definition of Significant Noncompliance (SNC).
- c. S=Significant Noncompliance (SNC): This is a term that is defined in 40 CFR 403.8(f)(2)(vii) and in City Code that requires an IU having SNC pretreatment violations to be published in the largest local daily newspaper (Arizona Republic). SNC is determined each quarter using data from the previous six months. Pretreatment Violations that meet the SNC criteria are:
 - (i) chronic violations of wastewater discharge limits are those in which 66 percent or more of all of the measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter;
 - (ii) technical review criteria (TRC) violations, are those in which 33 percent or more of all of the measurements for each pollutant parameter taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC=1.4 FOR BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);
 - (iii) any other violation of a pretreatment effluent limit (daily maximum or longer-term average) that the City determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of Publicly Owned Treatment Plant (POTW) personnel or the general public);
 - (iv) 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 to halt or prevent such a discharge;
 - (v) failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a permit or enforcement order for starting construction, completing construction, or attaining final compliance;
 - (vi) failure to provide, within 30 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self monitoring reports, and reports on compliance with compliance schedules;
 - (vii) failure to accurately report noncompliance; or
 - (viii) any other violation or group of violations, which the City determines, will adversely affect the operation or implementation of the local pretreatment program.

- 16. IF COMPANY IS IN I OR S THEN THE FOLLOWING TABLE APPLIES:** This table contains information, which clarifies the nature and degree of violation of pretreatment requirements. The Quarter indicates what time period in which the violation occurred. The type of violation tells what it is, e.g., reporting, permit condition, daily limit, monthly average, etc. This is followed by boxes labeled "date of violation", "sample composite or grab", "limit federal or city", and "monitoring city or IU", which further identify the violation and source of detection. The remaining large box identifies the parameter violated, a comparison of the violation number with the actual limitation, and the number of measurements per quarter.
- 17. ENFORCEMENT STATUS:** Is identified with letters of the alphabet by quarter. These letters are discussed in "Enforcement Status Codes," below.
- 18. ENFORCEMENT STATUS CODES:**
- A. Notice of Violation (NOV) - Written notice to the violating SIU, that a pretreatment violation had occurred and requesting information as to why it happened and what corrective measures will be taken to prevent future occurrences.
 - B. Administrative Order (AO) - A written document issued by the City ordering specified action to be taken. These generally are compliance orders instructing the SIU to install pretreatment equipment. Note: Requiring an appearance of the SIU at an administrative proceeding falls within this category.
 - C. Civil Action Filed - A lawsuit filed in Maricopa County Superior Court or U.S. District Court seeking damages, civil penalties, and/or an injunction for pretreatment violations.
 - D. Criminal Action Filed - An action taken by the City Prosecutor seeking criminal fines and/or jail time for pretreatment violations.
 - E. Pretreatment Settlement Agreement (PSA) - An out-of-court settlement addressing pretreatment violations. These agreements may provide for the payment of monetary penalties, completion of a compliance schedule, as well as stipulated civil penalties for future violations.
 - F. Assessment of Monetary Penalties - This can be done as part of an out of court settlement or included within a civil action. This is the payment of money by the SIU for pretreatment violations. The maximum civil penalty by law is \$25,000 per day for each violation.
 - G. Restriction of Flow - Reduction of the volume of industrial wastewater that can be lawfully discharged into the sanitary sewer.
 - H. Permit Revocation - A SIU can only lawfully discharge wastewater in accordance with a Permit issued by the City, which Permit can be taken away from the SIU.
 - I. Compliance Schedule Issued - Is a timetable under which specified pretreatment equipment must be installed and/or management and operation practices must be implemented. Such schedules may also be part of Administrative Orders.
 - J. Disconnection from Sewer - The actual physical blocking of the SIU from the sanitary sewer.

- K. Published in Newspaper as Significant Violator in Prior Reporting Year - Newspaper publication is required of all SNC violators during the prior reporting year. This publication is generally done in March.
- L. Temporary Increase in SIU Self Monitoring (TISM) - If an SIU has one or more violations of any effluent limit, then the IU is notified that it is required to sample for all parameters that were violated once a week for four consecutive weeks. In the event that it is not possible for an IU to increase the frequency of self monitoring, then an unannounced inspection at the IU site will be performed. The cost of this enforcement activity will be billed to the IU. This procedure would apply to those IUs who are currently sampling every day or for every batch prior to discharge.
- N. No Enforcement Action - Enforcement action is not required or necessary.
19. **ENFORCEMENT SUMMARY AND COMMENTS:** This begins the reverse portion of the form. Its purpose is to highlight and further elaborate upon violations and the appropriate enforcement action taken.
20. **COMPANY NAME:** The legal name of the SIU.
21. **PROCESS FLOW:** The calculated yearly average of wastewater that the SIU discharges to the sewer. This is usually stated in gallons per day (GPD).
22. **GENERAL INFORMATION:** This section contains a brief description of what the SIU manufactures or what their regulated processes are in addition to the type of wastewater treatment system in place.
23. **1ST QUARTER:** Provides for enforcement summary and comments for the quarter ending March 31.
24. **2ND QUARTER:** Provides for enforcement summary and comments for the quarter ending June 30.
25. **3RD QUARTER:** Provides for enforcement summary and comments for the quarter ending September 30.
26. **4TH QUARTER:** Provides for enforcement summary and comments for the quarter ending December 31.
27. **TO BE PUBLISHED THIS YEAR IN NEWSPAPER AS A SIGNIFICANT VIOLATOR:** SNC SIUs must be published in the newspaper. Whether the SIU will be published for this reporting year is indicated in this section.
28. **PENALTIES ASSESSED THIS REPORTING YEAR:** The City can seek civil penalties from SIUs for pretreatment violations. This section provides a running total of the amount of civil penalties assessed during the reporting year. If criminal monetary penalties and/or jail time is applicable, then this will be specifically stated in this section.
29. **PENALTIES COLLECTED THIS REPORTING YEAR:** This section provides a running total of the amount of all monetary penalties collected during the reporting year.

**SECTION 2.1
CITY OF GLENDALE**

POTW PRETREATMENT ANNUAL REPORT

CITY OF GLENDALE, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Glendale Information Contained in the Report:

Lee Robinson
Pretreatment Program Manager
City of Glendale
5901 North Glen Harbor Boulevard
Glendale, Arizona 85307-4502
623-930-4779

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF GLENDALE attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2-11-2016

Date:



Douglas E. Kupel, Ph.D.
Deputy Water Services Director
City of Glendale, Arizona



CITY OF GLENDALE, ARIZONA



Glendale is located in Maricopa County on the western border of Phoenix. With a water service area population of approximately 231,000 it is the fifth largest city in Arizona. The City has grown from its original one square mile to 56.5 square miles today including the Luke Air Force Base annexation. Situated at 1,100 feet above sea level, Glendale has an annual rainfall of 7 inches and an average high temperature of 85 degrees Fahrenheit with an average low of 57 degrees.

Glendale was founded in 1892 by W.J. Murphy. Incorporated as a town in 1910, agriculture and railway shipping sustained Glendale's early growth. In 2015, the City of Glendale Water Services Department celebrated its centennial, marking 100 years of providing safe, reliable, high quality water and wastewater services to the community. Although Glendale has changed significantly over the last century, one thing remains constant – the city's commitment to providing exceptional water and wastewater services. The Glendale water conservation program celebrated its 30th year of community engagement and environmental stewardship in 2015 as well. The conservation program achieves water savings by raising awareness, providing incentives, and fostering community support. Today the city's conservation program is more vibrant than ever.

Glendale has a council / manager form of government. The mayor is elected at large every four years and six council members are elected from districts to serve four year terms.

The economic base of Glendale is diversified and continues to expand. Major employers in Glendale are government, health care, general merchandisers, building component assembly, education, and aerospace component manufacturing and assembly.

Luke Air Force Base is located on the western boundary of Glendale and is the largest fighter training base in the western world. Our Loop 101 and Glendale Avenue area is home to the NHL Gila River Arena and NFL University of Phoenix Stadium. Desert Diamond Casino West Valley opened its doors in 2015. At full build-out, this facility will be the largest casino in the state.

The Glendale Pretreatment Program officially began in 1983 as a requirement of the US EPA. The basis of this requirement is the 1972 Clean Water Act and the 1978 Federal General Pretreatment Regulations. The objectives of the Pretreatment Program are to prevent interference at the 91st Avenue Publicly Owned Treatment Works, prevent pass-through of pollutants from the treatment works, prevent contamination of treatment plant sludge to allow for land application or landfilling, and to protect the health and safety of our sewer and treatment plant personnel.

City of Glendale NPDES Annual Report 2015



Pretreatment Program Changes and Other Activities

Program Changes

The pretreatment program kicked off a new “Not In My Drain Campaign” in 2015. This campaign will be an annual event held in October. The purpose of this campaign is to reduce the amount of residential **Fats, Oils, and Grease (FOG)** discharged to the Glendale wastewater collection system. Every year, a team of volunteers will hang Not In My Drain brochures in a selected area of Glendale to educate residents about the proper disposal of FOG. This year 4,195 brochures were delivered and a FOG outreach video was produced in the inaugural year of the program. The brochure is attached and displayed on the two pages following this page.

The program work force was reduced by 1 full time employee (inspector) in 2015 after administration assessed the needs of other divisions in the water services department. This reduction was used to create a full time position in the water conservation division.

The transition to conduct paperless pretreatment and storm water inspections commenced in 2015 with the purchase of 5 tablets. A remote inspector module will be added to the current pretreatment database allowing inspectors to conduct inspections electronically in real-time on tablets in early 2016.

SROG Participation

City of Glendale pretreatment personnel participate in monthly Subregional Operating Group (SROG) Technical Advisory Committee meetings held at the AMWUA offices in Phoenix. Glendale personnel also attend SROG meetings held monthly regarding the 91st Ave POTW Metering Stations Impact Study. Glendale Pretreatment personnel also attend quarterly Multi Cities FOG (fats, oil & grease) interest group meetings to discuss valley wide FOG related issues.

Training / Seminars Attended By Pretreatment Personnel

- City of Glendale Pretreatment personnel conduct most of the required Glendale training using an online safety training program.
- The annual AZ WATER conference was attended by 4 pretreatment division employees.

Public Participation / Education

As mentioned in the program changes section above, the Glendale pretreatment program will participate annually in the education of its residents on the proper disposal of FOG.

The pretreatment program manager spoke at a Water Services Advisory Commission meeting in October to educate/inform the commission about the pretreatment and FOG programs.

The City of Glendale Pretreatment Program webpage is available through the City of Glendale's Homepage at the internet address: www.glendaleaz.com/utilities/pretreatment/.

City of Glendale Pretreatment personnel routinely handout brochures during commercial inspection such as: The City of Glendale Pretreatment Program; Pollution Prevention for Automotive Maintenance and Repair Shops; Pocket guide to Grease Traps and Interceptors for Eating Establishments; Fat-Free Sewers (Published in English and Spanish); Pollution Prevention Begins With You; and the ADEQ Managing Hazardous Waste Handbook.



City of Glendale

Pretreatment Program 2015

Pollution Prevention Through Point Source Control Measures

Introduction

Section C.1 of the National Pollutant Discharge Elimination System (NPDES) Permit No. AZ0020524 requires Sub-Regional Operating Group (SROG) member cities to submit progress reports detailing efforts pertaining to pollution prevention through point source control measures. The City of Glendale's activities of January through December 2015 are summarized below.

Point Source Control Program

Pollutants of Concern:

Businesses that have the potential to discharge pollutants of concern have been found in 52 different SIC code designations within the City of Glendale. Our commercial inspection program includes all businesses with pollutants of concern including, but not limited to: laundries, dry cleaners, beauty shops, automotive repair, car washes, medical facilities, and public schools. Our revised database indicates over 2,847 such businesses in Glendale and pollution prevention inspections are performed periodically at these businesses. There were a total of 405 commercial inspections conducted in 2015. Educational materials regarding waste minimization and pollution prevention are handed out during these inspections.

Fats, Oil & Grease Program:

The City of Glendale's Pretreatment database currently identifies 622 active restaurants, taverns, and other establishments that have potential fats, oil, and grease (FOG) discharges and thus receive periodic inspections by the City. There were a total of 707 FOG related inspections performed during 2015. In August 2007, Glendale began issuing commercial discharge permits to FOG facilities with approved, in service pretreatment devices. Currently there are 475 active commercial discharge permits issued to various FOG facilities. In 2014, with the joint efforts of the pretreatment, conservation, environmental resources, and marketing divisions a new "Not in My Drain" brochure was developed. The purpose of the brochure is to educate Glendale residents about the do's and don'ts with regard to the disposal of grease.

Significant Industrial Users (SIUs):

Annual sampling is conducted at Arrowhead Hospital; Banner Thunderbird Medical Center; Corning-Gilbert; Magellan Aerospace, Glendale, Inc.; and American Pumping Company. All Significant Industrial Users are inspected on an annual basis to ensure compliance with industrial pretreatment discharge permit requirements. The City of Glendale Pretreatment Program periodically reviews tax and license records, planning department information and conduct field investigations to find other potential significant industrial users.

Other Industrial Users:

An annual inspection is also conducted at Magellan Aerospace Turbine Services, a zero discharge categorical industrial user.

Storm Water Program:

The City of Glendale was issued a new Municipal Separate Storm Sewer System (MS4) Permit in August of 2010. With this new permit, the Glendale Pretreatment Program received additional duties. Performing 100 storm water related inspections per fiscal year is a requirement of the permit assigned to Pretreatment. For the calendar year from January 1, 2015 to December 31, 2015, the City of Glendale Pretreatment Program conducted 128 storm water inspections from a prioritized list based on the 11 storm water categories outlined by the Arizona Department of Environmental Quality. A one-page best management practices guidance document for food and restaurant industries was mailed out to facilities of this type to fulfill an educational outreach requirement in 2015.

**The following information is from
the City of Glendale Water Services
Department**

For more information go to
www.glendaleaz.com/waterservices

Pretreatment Manager
623-930-4779

Water Quality Lab
623-930-3885

City of Glendale - Pretreatment Program
[www.glendaleaz.com/
Utilities/Pretreatment](http://www.glendaleaz.com/Utilities/Pretreatment)

City of Glendale - Environmental Resources
[www.glendaleaz.com/
environmentalresources](http://www.glendaleaz.com/environmentalresources)

Glendale 11 Story
Keep FO&G out of Glendale's Sewers
www.youtube.com/watch?v=HBnIPLKc5oY



"Protecting the Environment"



www.GlendaleAZ.com/WaterServices



Not In My Drain!
How to Prevent Sanitary Sewer Clogs
from Happening to You!



**Glendale Pretreatment Program
Pollution Prevention**

5901 North Glen Harbor Blvd.
Glendale, Arizona 85307



www.GlendaleAZ.com/WaterServices

How To Prevent Sanitary Sewer Clogs From Happening To You!

When fats, oils, and grease from daily kitchen use are poured into drains, either in homes or businesses, it can solidify in your pipes and cause costly sewer blockages and overflows. This can potentially damage homes, cause raw sewage to backup into city streets, threaten public health, and cause damage to the environment. The easiest way to solve the problem of grease blockage is to keep grease out of the drains in the first place.

Follow these easy steps to protect your plumbing and the environment:

1. **DO NOT** put grease down garbage disposals!



2. Scrape food scraps into a can or trash for disposal. Put baskets or strainers in sink drains to catch food scraps and other solids. Empty the drain baskets or strainers into the trash.



3. For small amounts of oil or grease pre-wipe pots and pans prior to washing them by using paper towels to soak it up. Then dispose in the trash.



4. For amounts ranging from a cup to a pint, pour the grease or oil into a container and freeze it. Put the frozen grease into the trash the day your trash is collected. Try to use a non-recyclable container if possible. If you have none available, a tin or steel can will work.



5. For moderate amounts, from a pint to a gallon, use cat litter to solidify the grease or oil. Put the cat litter in a double-lined plastic bag and pour the grease into the bag. Be sure there is no free liquid before tying the bag shut.

CITY OF GLENDALE

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

January 1, 2015 – December 31, 2015 – Total Pretreatment Expenditures \$ 371,908

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2014</u>
Pretreatment Program Manager	1.0	1.0
Senior Pretreatment Inspector	1.0	1.0
Pretreatment Inspector	3.0	4.0

PRETREATMENT PROGRAM EXPENDITURES

Computer Upgrades & Equipment	\$ 7,301
Chemicals, Sampling Supplies	\$ 700
Office Supplies	\$ 555
Laboratory Analysis	\$ 22,849
Maintenance	\$ 11,654
Personnel Expenses	\$ 328,849

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
Computers	0	9
Samplers	0	8
Flowmeters	0	3
pH Meters	0	3
Vehicles	1	6
Gas Detectors	0	19
Tablets (IPad)	5	5

**CITY OF GLENDALE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	American Pumping Company 7220 N. 65th Avenue Glendale, Arizona 85301 Signatory: Mr. Tim Dear, Owner Contact: Mr. Tim Dear Phone: 602-252-8111	91 st Avenue	7699 1711	Local Limits
2.	Arrowhead Hospital 18701 N. 67th Avenue Glendale, AZ 85308 Signatory: Mr. Tim Riley, Director Facilities Services Contact: Mr. Tim Riley Phone: 623-537-3444	91 st Avenue	8062	Local Limits
3.	Banner Thunderbird Medical Center 5555 W Thunderbird Rd. Glendale, AZ 85306 Signatory: Mr. Raul Haro, Plant Operations Manager Contact: Mr. Raul Haro Phone: 602-865-3023	91 st Avenue	8062	Local Limits
4.	Corning-Gilbert Inc. 5310 West Camelback Road Glendale, AZ 85301 Signatory: Mr. Cory Donahue, Plant Engineering Supervisor Contact: Mr. Cory Donahue Phone: 602-245-1050	91 st Avenue	3644 3471	433.15
5.	Magellan Aerospace, Glendale Inc. 5440 West Missouri Ave Glendale, AZ 85301 Signatory: Mr. Brian Achs, Environmental Program Manager Contact: Mr. Brian Achs Phone: 602-939-9441	91 st Avenue	3361 3479	433.15

CITY OF GLENDALE

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users were added in 2015:

None

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

None

City of Glendale
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information								
Control Authority Name: City of Glendale			NPDES No.: AZ0020524					
Address: 5901 N. Glen Harbor Boulevard		City: Glendale		State: Arizona		ZIP: 85307-4502		
Contact Person: Lee Robinson, Pretreatment Program Manager				Contact Telephone Number: (623) 930-4779				
Reporting Period: January 1 – December 31, 2015		Categorical IUs: 2		Significant Non-Categorical IUs: 3				
II. Significant Industrial User Compliance								
	Categorical		Non-categorical		Total SIUs			
	No	%	No	%	No	%		
1.	No. of SIUs in Full Compliance		1	50	3	100	4	80
2.	No. of SIUs in Inconsistent Compliance		0	0	0	0	0	0
3.	No. of SIUs in Significant Noncompliance		1	50	0	0	1	20
4.	No. of Parameter Violations		1		0		1	
5.	No. of Reporting Violations		0		0		0	
6.	No. of Permit Condition Violations		0		0		0	
III. Compliance Monitoring Program								
	Categorical		Non-categorical		Total SIUs			
	No	%	No	%	No	%		
1.	No. of Control Documents Issued		2		3		5	
2.	No. of Nonsampling Inspections Conducted		2		3		5	
3.	No. of Facilities Inspected (Nonsampling)		2		3		5	
4.	No. of Sampling Visits Conducted		8		8		16	
5.	No. of Facilities Sampled		2		3		5	
IV. Enforcement Actions								
	Categorical		Non-categorical		Total SIUs			
	No	%	No	%	No	%		
1.	Notices of Violations Issued to SIUs		0		0		0	
2.	Temporary Increase in IU Self Monitoring		0		0		0	
3.	Administrative Orders Issued to SIUs		0		0		0	
4.	Compliance Schedules Issued		0		0		0	
5.	Settlement Agreements		0		0		0	
6.	Other Actions		1		0		1	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)		\$ 0.00 / 0		\$ 0.00 / 0		\$ 0.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: American Pumping Service, Inc.

Process Flow: 6,561 gpd (Average)

General Information and type of wastewater treatment	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arrowhead Hospital

Process Flow: 103,947 gpd (Average)

General Information and type of wastewater treatment	
Arrowhead Hospital is a full service health care facility with medical and surgical services. Pretreatment consists of acid neutralization (tank), solids screening, and a single three stage grease interceptor that collects hospital cafeteria waste.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Banner Thunderbird Medical Center

Process Flow: 107,701 gpd (Average)

General Information and type of wastewater treatment	
Banner Thunderbird Medical Center is a full service health care facility with medical and surgical services. Pretreatment consists of solids separation/settling along with a single three stage grease interceptor which collects hospital cafeteria waste.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Corning Gilbert Incorporated

Process Flow: 49,893 gpd (Average)

General Information and type of wastewater treatment	
This facility manufactures coaxial cable connectors. Pretreatment consists of hydroxide precipitation, chemical oxidation, stream segregation, filtration, sedimentation, and pH neutralization. Corning-Gilbert monitors flow and pH on a daily basis.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF GLENDALE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Magellan Aerospace, Glendale, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 5440 West Missouri Ave Glendale Arizona 85301		MAILING ADDRESS: P.O. Box 1059 Glendale, Arizona 85311		
CATEGORICAL USER? Yes	40 CFR 433.15	LIMITS APPENDIX: D	BMR SUBMITTED: 12/29/1988	
TTO CERTIFICATION DATE SUBMITTED: 12/02/2015	PERMIT EFFECTIVE: 09/08/2012	PERMIT EXPIRES: 09/01/2016		
SAMPLING LOCATION VERIFIED ON: 12/07/2015	RCRA NOTICE: 06/08/1990			
SLUG CONTROL PLAN EVALUATION DATE: 10/22/2009				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	0	0	0	4
Number of IU Sampling Days	1	0	1	0
Number of Parameter Violations	0	0	0	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	S
Evaluated as of:	04/30/2015	07/31/2015	10/30/2015	02/02/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
4	Daily Limit	12/08/2015	Composite	City	City	Silver	1.69/1.2 mg/L	1
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Magellan Aerospace, Glendale, Inc.

Process Flow: 1,962 gpd (Average)

General Information and type of wastewater treatment	<p>Magellan Aerospace, Glendale, Inc. produces aluminum and magnesium parts by casting. Pretreatment consists of treating chrome rinse water by reducing chrome III with SO₂, neutralizing, and filter pressing of the resulting sludge. Non chrome rinse baths are batch reduced then released. There is no discharge to the sewer from their casting quench operation. Flow and pH are monitored on a continuous basis.</p>
First Quarter	<p>.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	<p>A sampling event conducted by City of Glendale staff at the 55th Avenue local limits compliance manhole on December 8, 2015 resulted in a violation of the parameter silver. The result was 1.69 mg/L. This is over the city local limit of 1.2 mg/L. A notice of violation was issued to Magellan Aerospace, Glendale, Inc. on February 5, 2016.</p> <p>Two samples were collected and analyzed for the parameter silver from the 55th Avenue local limits compliance manhole for the 6 month rolling period of July 1, 2015 to December 31, 2015. One of the two silver samples was over the city limit, as mentioned above resulting in a 50% technical review criteria value which is over the 33.33% allowable value. The outcome of the technical review criteria value resulted in the issuance of a notice of significant noncompliance February 5th and Magellan Aerospace, Glendale, Inc. will be published in the <u>Arizona Republic</u> newspaper in the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

SECTION 2.2
CITY OF MESA

POTW PRETREATMENT ANNUAL REPORT

CITY OF MESA, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Mesa Information Contained in the Report:

David Gonzales
Industrial Pretreatment Supervisor
640 North Mesa Drive
Post Office Box 1466
Mesa, Arizona 85211
480-644-2484

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF MESA attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

1/26/2016
Date:



Carlos Padilla
Assistant Water Director
Water Resources Department
City of Mesa, Arizona



Since its incorporation over 100 years ago, the City of Mesa has experienced tremendous growth. Today it remains primed for further growth in size, population, and employment. The history of Mesa extends back to the Hohokam Indians, the “Departed Ones,” who built the original canal system in the Valley. Mesa’s modern history began in 1877 when a group of Mormon colonists arrived in Lehi and built Fort Utah near the present day intersection of Lehi and Horne Roads. In 1878, a second group of Mormon colonists arrived and established what modern day Mesa became by registering the square mile bounded by the present day Mesa Drive, Country Club, University, and Broadway Roads. In 1883, the City of Mesa was officially incorporated and had an estimated 200 residents.

Almost fifty years later, in 1930, the City’s area had expanded to approximately 2.3 square miles and the population had increased to 3,711. Mesa’s area and population increased rapidly thereafter. By 1960, Mesa’s area was over 15 square miles and the population was nearly 34,000, concentrated near the historic city center. By 1980, the City boundaries had expanded significantly, increasing the City’s area to over 66 square miles, and the population had increased to over 152,000. Over these last 30 years, Mesa has continued its rapid growth and expansion to the east. By 2010, the City’s area and population had grown to 138 square miles with more than 439,000 residents and 194,822 dwellings. The Mesa Municipal Planning Area is generally bounded by the Salt River on the north, Baseline Road or Germann Road on the south, the Loop 101 Freeway on the west, and Meridian Road on the east and covers approximately 172 square miles.



The City of Mesa has an elected Mayor and six City Council members that are limited to two consecutive terms. The City operates under a charter form of government, with the Mayor and City Council setting policy. A voter initiative changed the election of the council members from an at-large system to a system of six districts. Council members serve a term of four years, with three members elected every two years. The mayor is elected at-large every four years. The Mesa City Council actively encourages citizen participation in the decision-making process. This citizen involvement is accomplished through neighborhood meetings, advisory boards and committees, and other means. Based on the citizen input, the Council sets policies

for the operation and development of the City. The appointed boards and committees play a major role in this process.

The City's leaders and staff strive to improve the quality of life and sustainability of Mesa by developing and enforcing policies related to the City's growth and development.

The City of Mesa provides a wide range of services to meet the needs of the citizens and businesses located in Mesa, including roadways; gas, water, and electric utilities; police; fire and medical services; courts; libraries; solid waste disposal; parks and recreation facilities; arts and cultural programs; and transit. These services significantly improve the quality of life for residents and competitiveness for businesses.

Furthermore, they are not generally provided by the private sector, making it incumbent upon the City to ensure their safe and efficient availability. To provide these services, the City of Mesa draws upon a wide array of revenue sources and makes numerous expenditures. While most of this revenue is from local sources, such as sales taxes, utility charges, and user fees, a proportion also comes from external sources, such as intergovernmental transfers from the State of Arizona. It is critical to the economic well-being of the community that the City's revenues and expenditures are kept in balance.

The mission of the Water Resources Department is to plan, maintain, and protect the City's water supplies in the most efficient and effective manner possible to ensure superior water services to its current and future customers, to improve the quality of life for residents and visitors, and to ensure economic stability and prosperity for Mesa's businesses and industries. The Department consistently improves the efficient use and reuse of current water supplies, secures new and diverse water supplies, and enhances the protection of its water supplies. Over the past few decades the department has developed water sustainability policies that were supported by the City Councils that allowed the City to not only diversify its water resources portfolio but become increasingly drought proof.

The City owns and operates the Southeast Water Reclamation Plant (WRP) and the Northwest WRP. The Southeast WRP currently has an approximate treatment capacity of 9,000 acre-feet per year, while the Northwest WRP has an approximate treatment capacity of 20,000 acre-feet per year.

Mesa is also a partial owner of the 91st Avenue WRP with 38,000 acre-feet per year of capacity and part owner and operator at the Greenfield WRP with another 4,500 acre-feet per year. The City owns 24.86% of recharge capacity at the Granite Reef Underground Storage Project (GRUSP). This project was re-permitted in 2012 at 93,000 acre-feet per year.

Mesa currently produces approximately 40,000 acre-feet of reclaimed water every year. In recent years, public interest in reclaimed water has grown substantially as reclamation and wastewater treatment technologies have continually improved. Mesa's reclaimed water reuse has evolved from only providing direct water supplies to water intensive turf facilities and filling artificial lakes, to now generating power at the Palo Verde Nuclear Power generating station and providing stored supplies for indirect potable reuse. One way stored water supplies are created is when reclaimed water is recharged artificially into the aquifer and recovered as

groundwater for later use. Mesa has approximately 92,000 acre-feet of Reclaimed Water Long Term Storage Credits. Mesa also has a water exchange agreement with the Gila River Indian Community (GRIC) through which Mesa will ultimately deliver 29,400 acre-feet per year of reclaimed water to the GRIC and receive in exchange 23,530 acre-feet per year of the Community's CAP water. This agreement allows Mesa to exchange what is essentially a non-potable water supply for a potable supply that can be used for domestic purposes.

The Departments goal is to maintain a water resource program that ensures an adequate, reliable supply of water delivered efficiently to customers to help create and maintain great neighborhoods, grow and maintain diverse and stable jobs, and provide rich, high quality public spaces and cultural amenities.

CITY OF MESA POLLUTION PREVENTION PROGRAM SUMMARY

Introduction

The provisions set forth in the Arizona Pollutant Discharge Elimination System (AZPDES) Permit, requires the City of Mesa to develop and implement a Pretreatment Program. This Program shall conduct many functions as defined in the Permit and 40-CFR-403. One of the functions identified is the development and implementation of a Pollution Prevention/Source Reduction Program. The activities of the program for the period of January 1, 2015 through December 31, 2015, are briefly described below.

Commercial/Industrial Source Control Program

The City of Mesa's Industrial Pretreatment Program established a Commercial Users Program to target the facilities that are not identified as SIU's and that could introduce measurable/controllable amounts of pollutants to the collection system. Using various sources of information, facilities are identified and surveyed for pollutants of concern (POC's). The focus of the program is to reduce these pollutants of concern through educational information and on-site evaluations. These activities were developed to promote the proper maintenance of pretreatment devices and the uses of alternative process chemicals. Emphasis is placed on educating these users and encouraging their compliance through self-regulation rather than City enforcement.

The scope of the commercial program was to identify facilities that cause blockages by the discharge of grease, oils, or other viscous materials. Other pollutants of concern were researched per the results of the influent and effluent samples at the Water Reclamation Plants (WRP). The following support activities for this program were conducted during the year:

1. The Industrial Users Database continued to be updated every year identifying new and existing industrial and commercial establishments in the City of Mesa. This database is used to identify high-density industrial, commercial and rural areas for monitoring activities. During this reporting period there were 2,439 new and existing facilities in the database and 740 were inspected and entered or updated. All these facilities were identified to have the potential to discharge Pollutant of Concern (POC) to the collection system.
2. The City of Mesa partnered with Rev-Biodiesel and has provided 4 locations around the City to better assist residents in the disposal of turkey fryer grease. Due to the overwhelming response Mesa's decided to provide this service year round. The goal is to keep the grease out of the municipal sewer system preventing costly Sanitary Sewer Overflows (SSO) and in turn the grease would be processed into biodiesel reducing the amount of CO2 emissions.
3. The City of Mesa continues to work with the surrounding City Governments in implementing the Arizona Fats, Oils & Grease (AZFOG) program. This program's main emphasis was focused on finding ways to reduce the amount of fats, oils, and grease building up within

the infrastructure. The program is designed to educate grease haulers and restaurant personnel on proper cleaning procedures of interceptors and grease traps set forth by the local city governments. Mesa continues to work closely with surrounding cities to create a uniformed cleaning and hauling procedures.

4. The City of Mesa has modified existing hospital permits requiring pollution prevention and/or source reduction plans for used and unused pharmaceuticals. This requirement also addresses current disposal practices for controlled substances. The intent of the requirement is to reduce and/or eliminate the amount of pharmaceuticals entering the sanitary sewer system.

Educational Source Control Program

The City of Mesa Pretreatment Section continues community outreach with pharmaceutical disposal practices. Mesa's currently distributing Prescription Drug Disposal guidelines "Pain in the Drain" created through ADEQ. The flyers are distributed at the Household Hazardous Waste collection events and at Mesa's public libraries. It is the intent of the educational information to reduce the unused prescription and over the counter medication disposed in household drains.

In addition, the Industrial Pretreatment Section continues to modify the existing multifunctional brochure distributed to the food preparation establishments. This brochure was printed in English and Spanish to reach our diverse community. The information provided focuses on minimizing disposal of grease to sewer.

Household Hazardous Waste (HHW) Collection Event

The City of Mesa continues to promote the proper disposal of regulated and/or hazardous materials. The Household Hazardous Waste Collection event is conducted on a quarterly basis. Two sites are utilized; the Center Street Center located at 2540 North Center Street and the East Mesa Service Center located at 6935 E. Decatur, Mesa. The City of Mesa continues to accept prescription and non-prescription drugs and in 2015, the City of Mesa collected 400 pounds of prescription/non-prescription drugs. Reducing the amount of drugs land- filled and/or discharged to the Water Reclamation Plants.

CITY OF MESA
SUMMARY OF SIGNIFICANT CHANGES AND ANNUAL PRETREATMENT BUDGET

The Pretreatment Section continues to oversee all sampling of the industries, collection system and wastewater treatment plants. As well as reviewing and reporting the flows that are conveyed to the 91st Avenue Treatment Plant. This diversity will enable this section to foresee and validate problems in the system. This ability will assist the capacity studies that this section conducts for engineering.

Staff Attendance and Participation in Seminars, Workshops and Training

The Industrial Pretreatment staff has attended or completed the following:

David Gonzales - Supervisor

- Annual Hazardous Waste Refresher
- Annual Hazardous Communications
- Counter Terrorism

Eddie Cortinas - Inspector

- Annual Hazardous Waste Refresher
- Annual Hazardous Communications
- Counter Terrorism
- Traffic Control

Jim Lagrou -- Inspector

- Annual Hazardous Waste Refresher
- Annual Hazardous Communications
- Counter Terrorism
- Traffic Control

Gene Gonzales – Inspector

- Annual Hazardous Waste Refresher
- Annual Hazardous Communications
- Counter Terrorism
- Traffic Control

Vince Jordan – Inspector

- Annual Hazardous Waste Refresher
- Annual Hazardous Communications
- Counter Terrorism
- Traffic Control

CITY OF MESA

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

January 1, 2015 – December 31, 2015 – Total Pretreatment Expenditures

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2014</u>	<u>FTEs 2015</u>
Regulatory Compliance Manager	0.5	0.5
Industrial Pretreatment Supervisor	1.0	1.0
Industrial Pretreatment Inspectors	4.0	4.0
Administrative Aide	0.5	0.5

PRETREATMENT PROGRAM EXPENDITURES

Personnel	256,820.00
Laboratory Services	15,300.00
Training	4,500.00
Other Services	<u>78,455.00</u>
Total	355,075.00

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
Autosamplers	0	14
Flow Meters	0	4
pH Meters	4	6
Vehicles	2	6
Computers	0	8
Air Monitors	0	2
Cameras	0	5

CITY OF MESA
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	Arizona Cast Turbine 3110 N Oakland Mesa, Arizona 85215	91 st Avenue	331512	**464
2.	Infineon Technologies EPI (formerly International Rectifier EPI) 550 W Juanita Ave Mesa, Arizona 85210	91st Avenue	334413	469
3.	The Boeing Company 5000 East McDowell Road Mesa, Arizona 85215	91st Avenue	336411	**433

** These SIU's will also be reported in the Annual Reports submitted for the Northwest Wastewater Treatment Plant Wastewater Treatment Plant on behalf of the City of Mesa per their NPDES Permits.

CITY OF MESA

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users were added in 2015:

Arizona Cast Turbines
3110 N Oakland
Mesa, Arizona 85215

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

NONE

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

NONE

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

International Rectifier EPI
Services Inc.
550 W Juanita Ave
Mesa, Arizona 85210

IS NOW

Infineon Technologies EPI
Services Inc.
550 W Juanita Ave
Mesa, Arizona 85210

City of Mesa
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information						
Control Authority Name: City of Mesa			NPDES No.: AZ0020524			
Address: P.O. Box 1466		City: Mesa		State: Arizona		ZIP: 85211-1466
Contact Person: David Gonzales				Contact Telephone Number: 480-644-2484		
Reporting Period: January 1 – December 31, 2015		Categorical IUs: 3		Significant Non-Categorical IUs: 0		
II. Significant Industrial User Compliance						
	Categorical		Non-categorical		Total SIUs	
	No.	%	No.	%	No.	%
1. No. of SIUs in Full Compliance	3	100	0	0	3	100
2. No. of SIUs in Inconsistent Compliance	0	0	0	0	0	0
3. No. of SIUs in Significant Noncompliance	0	0	0	0	0	0
4. No. of Parameter Violations	0		0		0	
5. No. of Reporting Violations	0		0		0	
6. No. of Permit Condition Violations	0		0		0	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
1. No. of Control Documents Issued	3		0		3	
2. No. of Non-sampling Inspections Conducted	3		0		1	
3. No. of Facilities Inspected (Non-sampling)	3		0		3	
4. No. of Sampling Visits Conducted	29		0		3	
5. No. of Facilities Sampled	3		0		3	
IV. Enforcement Actions						
	Categorical		Non-categorical		Total SIUs	
1. Notices of Violations Issued to SIUs	0		0		0	
2. Temporary Increase in IU Self Monitoring	0		0		0	
3. Administrative Orders Issued to SIUs	0		0		0	
4. Compliance Schedules Issued	0		0		0	
5. Settlement Agreements	0		0		0	
6. Other Actions	0		0		0	
7. Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 0.00 / 0		\$ 0.00 / 0		\$ 0.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Cast Turbines

Process Flow: 1000 GPD

General Information and type of wastewater treatment	<p>Manufactures a variety of metal parts for gas turbine engines and other applications using the lost wax precision investment casting process. Replicas of the parts are made in wax by injection into complex metal tooling. The wax replicas are then assembled into "clusters" or "trees" containing one or more parts. The wax trees are coated with ceramic, the wax is melted out, and the resulting hollow ceramic vessel is fired and filled with molten metal of the desired composition. After cooling, the cast metal parts are separated from the trees and subjected to various mechanical finishing processes (turning, milling, brazing, sandblasting, grinding, etc.) to produce the desired finished part. Arizona Cast Turbine is regulated under Title 40-CFR-464.36 and Mesa City Code.</p>
First Quarter	<p>On January 8, 2015, the City of Mesa issued Arizona Cast Turbine a Class I Industrial Wastewater Discharge Permit No. M-6567-0117. No process water was discharged in the first quarter.</p>
Second Quarter	<p>On April 8, 2015, the City of Mesa conducted a site visit and checked on the process water treatment system. No process water is being discharged at this time. On May 8, 2015, the City of Mesa conducted 1-day of compliance sampling at Outfall 002. On June 15, 2015, Arizona Cast Turbine submitted the June PRC with no deficiencies noted.</p>
Third Quarter	<p>On August 8, 2015, the City of Mesa Conducted 4-days of compliance sampling at Outfall 002. On August 8, 2015, the City of Mesa conducted an unannounced Annual Compliance Inspection.</p>
Fourth Quarter	<p>On September 2, 2015, the City of Mesa conducted 4-days of compliance sampling at Outfall 002. On December 15, 2015, Arizona Cast Turbine submitted the December PRC with no deficiencies noted.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Infineon Technologies EPI Services Inc.

Process Flow: 174,000 GPD

General Information and type of wastewater treatment	<p>This facility is a custom manufacturer of silicone and/or germanium epitaxy, using vapor deposition on silicon or sapphire substrates. The deposition of an epitaxial silicon layer upon a substrate is a semiconductor manufacturing operation regulated under Title 40-CFR-469(A)(469.18).</p> <p>All categorical process wastewater transferred to the pretreatment system. Pretreatment consists of a three-stage pH neutralization system. Discharges from this system are continuously monitored for flow and pH (Outfall 001). Controls on the system are designed to cease discharges if pH parameters are exceeded. TTO compliance is achieved by not using or storing any regulated TTO's on-site.</p> <p>All non-process and pretreated wastewater discharge to Outfall 002.</p>
First Quarter	<p>On January 14, 2015, the City of Mesa conducted 1-day of compliance sampling at Outfall 001 and two days of compliance sampling at Outfall 002 and no violations were found. On January 14, 2015, reviewed and filed IU's December PRC.</p>
Second Quarter	<p>On June 15, 2015, the IU submitted their June 2015 PRC with no deficiencies.</p>
Third Quarter	<p>On August 12, 2015, the IU submitted a Permit Application indicating that they are changing ownership. The application indicated that International Rectifier, EPI Services was purchased by Infineon Technologies EPI Services Inc. On August 25, 2015, the City of Mesa performed 1-day of compliance sampling at Outfall 001 and two days of compliance sampling at Outfall 002 and no violations were detected. On August 5, 2015, the City of Mesa performed a Pre-Permit Inspection. On September 25, 2015, Industrial Wastewater Discharge Permit M-3120-1020 was issued.</p>
Fourth Quarter	<p>On November 5, 2015, the City of Mesa sent Moly rules and regulations to the IU. On December 28, 2015, reviewed and filed IU's December PRC.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: The Being Company

Process Flow: 7,500 GPD

General Information and type of wastewater treatment	<p>Assembles military helicopters and ordinance delivery systems for military applications. Activities conducted on-site consist of assembly, painting, flight testing, and research/development. Major components of the helicopters (e.g., airframes, engines, transmissions, etc.) are manufactured off-site and delivered to The Boeing Company for assembly. Several operations are conducted on-site that are regulated by Title 40-CFR-433. Processes include anodizing, chem-filming, coating, painting, abrasive jet machining, burnishing and the washing of aircraft and aircraft parts. The total process flow regulated by Title 40-CFR-433 averages 7,500 gallons per day.</p>
First Quarter	<p>On January 27, 2015, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On February 18, 2015, the City Mesa conducted a non-sampling site visit of Bld. 536 vacuum oven area due to an accidental spill of cooling water to the underground storage tank. On February 24, 2015, a discharge request letter from the IU was submitted for review. On February 26, 2015, the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On March 02, 2015, a discharge approval letter was sent to Boeing to discharge the underground storage tank to sewer.</p>
Second Quarter	<p>On May 3, 2015, the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On May 8, 2015, the City of Mesa conducted an announced Annual Compliance Inspection. On May 13, 2015, the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On May 29, 2015, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On June 9, 2015, IU submitted June's 2015 PRC with no deficiencies. On June 26, 2015, IU submitted an updated (P2) Plan.</p>
Third Quarter	<p>On July 28, 2015, the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On August 17, 2015, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On September 9, 2015 IU submitted an updated P2 Plan.</p>
Fourth Quarter	<p>On October 13, 2015, the City of Mesa performed 1 day local limit compliance monitoring at Outfall 001. On October 28, 2015, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On November 24, 2015, IU submitted a Permit Application. On November 30, 2015 the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On December 14, 2015, IU submitted December's 2015 PRC with no deficiencies.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

SECTION 2.3
CITY OF PHOENIX

POTW PRETREATMENT ANNUAL REPORT

CITY OF PHOENIX, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 23rd Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020559

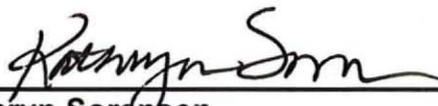
Person to Contact Concerning City of Phoenix Information Contained in the Report:

Marji Dukowitz, Chief Water Quality Inspector
Industrial Pretreatment Program
2474 South 22nd Avenue, Building 31
Phoenix, Arizona 85009
602-495-5926

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF PHOENIX attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2/5/16
Date:


Kathryn Sorensen
Water Services Department Director
City of Phoenix, Arizona

POTW PRETREATMENT ANNUAL REPORT

CITY OF PHOENIX, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Phoenix Information Contained in the Report:

Marji Dukowitz, Chief Water Quality Inspector
Industrial Pretreatment Program
2474 South 22nd Avenue, Building 31
Phoenix, Arizona 85009
602-495-5926

As required by 40 C.F.R. Section 122.22(b)(2):

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2/5/16
Date:

Kathryn Sorensen
Kathryn Sorensen
Water Services Department Director
City of Phoenix, Arizona



City of Phoenix
WATER SERVICES DEPARTMENT
Quality Reliability Value

Phoenix is located in the Sonoran Desert, which is one of the wettest and greenest deserts in North America, thanks to 3-15 inches of annual rainfall. According to data compiled by the National Climatic Data Center, Phoenix basks in sunshine more often than any other major metropolitan area in the U.S. Phoenix experiences sunny days 85 percent of the time.

Historic Phoenix



*An 1885 lithograph of a bird's-eye view of the city of Phoenix, Arizona
Created by C. J. Dyer and published by Schmidt Label & Lithograph Company*

After the Civil War, stories of gold in Central Arizona attracted fortune hunters to the Wild West. In 1865, the army built Camp McDowell to protect the settlers, and ranchers and businessmen soon followed.

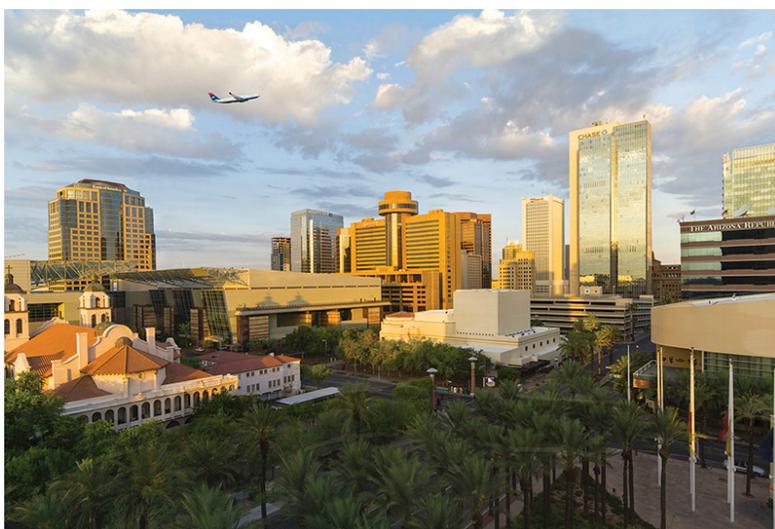
In 1867 Jack Swilling, then a resident of Wickenburg, realized that the valley around the Salt River could be excellent land for farming if there was water. He organized the Swilling Irrigation Canal Company and, using some of the ancient canals built by the Hohokam Indians around 1500 A.D., brought water from the Salt River to irrigate the land. A small community, Swilling's Mill, formed about four miles east of the current downtown Phoenix. In 1868, Darrell Dupa suggested the name of Phoenix, and the town was recognized on May 4, 1868, when Yavapai County formed an election

precinct for Phoenix. A Post Office was established on June 15, 1868, and Phoenix began its rise from the ashes of the ancient Indian civilization, just as the Phoenix bird rose from the ashes of its nest. On October 20, 1870, an official town site of 320 acres was chosen and the first survey was completed the next month. On November 19, 1873 the official entry in the Florence Land Office listed the total cost of the Phoenix Town site as \$550.00. Phoenix was incorporated in 1881, 31 years before the Arizona Territory became a state.

Phoenix, already established as a political, business, and agricultural center for the territory, claimed the Territorial Capitol from Prescott in 1889. Arizona was granted Statehood in 1912, at which time Phoenix became the State Capitol. By this time Phoenix had a newspaper, an electric power station, electric trolley cars, a public library, and a railroad station. The 1900 census recorded Phoenix's population at 5,544. The City Charter under which Phoenix is presently governed was initially adopted in 1913.

Modern Day Phoenix

With a water supply secured by completion of the Roosevelt Dam in 1911, and home air conditioning in the early 1950's, tremendous growth has come to Phoenix and the surrounding cities. Phoenix itself had grown from the 99th largest city with a population of 105,000 in 1950 to the 5th or 6th largest city with a current population over 1.5 million.



Phoenix is the center of the metropolitan area encompassed by Maricopa County and is situated 1,117 feet above sea level in the semi-arid Salt River Valley. The area is well known for its mild, sunny winters and hot summers, and receives average rainfall of seven inches annually. Phoenix is a premier destination, with more than 300 sun-filled days a year and average temperature of 74.2 degrees. Most of the rivers in the surrounding area are dry year round, the result of upstream dams, which supply a large portion of the Valley's drinking water.

Greater Phoenix has consistently outpaced the U.S. population growth over the last 18 years. Projections show the region is expected to grow by nearly 60 percent by 2030, bringing the population to more than 6 million people.

Greater Phoenix is a \$181 billion marketplace that serves as a hub for innovation and entrepreneurs by providing international access for aerospace, high-technology, bioscience, advanced business services and sustainable technologies companies. Global companies such as Honeywell Aerospace, Freeport McMoran, Avnet, and Republic Services call Phoenix home, while companies such as American Express, USAA, SUMCO Phoenix Corporation, Charles Schwab, and Mayo Clinic have major operations here. With an average age of 34, greater Phoenix is the fifth youngest metro region in the country with a diverse, well-educated labor force of over 2 million people.

Located in the heart of downtown Phoenix's Copper Square, the Phoenix Convention Center hosts a myriad of international, national, and regional conventions, trade shows, corporate meetings, and consumer events, welcoming more than 1,050,000 guests annually. The convention center is within walking distance to a variety of downtown's exciting restaurants, top hotels, retail shops, and museums, the US Airways Center home of the Phoenix Suns and Phoenix Mercury, and Chase Field Ballpark home of the Arizona Diamondbacks. The convention center is less than seven miles from

Phoenix Sky Harbor International Airport. The city's light rail system, which opened in December 2008, offers a fast and convenient transportation link from the airport to downtown Phoenix, with stops at the convention center and several downtown hotels.

Arts and cultural activities abound in Phoenix, with more than 20 museums in the metro area and numerous performing arts groups. A sampling of museums include the newly renovated and expanded Phoenix Art Museum, with more than 13,000 works of art including an impressive collection of Western art, a Chinese art selection and an extensive collection of contemporary work; the internationally renowned Heard Museum of Anthropology and Primitive Arts, which houses more than 75,000 artifacts of Southwestern Indian culture; and the Arizona Science Center, with 350 hands-on exhibits, giant-screen theater and state-of-the-art planetarium.



*Free concerts at the **AT&T Playoff Playlist Live!** stage brought thousands of people downtown during the 2016 College Football Playoff Event.*

Two City owned facilities, Phoenix Symphony Hall and Orpheum Theater are located in the heart of downtown Phoenix. In addition to hosting a robust schedule of traveling Broadway productions, world-renowned speakers, musical groups and corporate functions, these venues are home to several resident companies including Ballet Arizona, Phoenix Symphony, and Arizona Opera. These venues create a positive economic impact for the city, support community efforts, and maximize activity for patrons and visitors in downtown Phoenix.

Phoenix, Arizona continues to be one of the fastest growing cities and metropolitan areas in the United States and now covers 540 square miles with water and sewer services for over 400,000 homes, apartment complexes, large employers and industrial facilities and Phoenix Sky Harbor International Airport. Phoenix produces 109 billion gallons of potable water annually from six Water Treatment Plants and its two Wastewater Treatment Plants have the capacity to treat over 290 million gallons of wastewater per day from Phoenix and surrounding areas.

Water and Wastewater Facts

- Phoenix, Arizona is the nation's fifth or sixth largest city, encompassing about 540 square miles and serving 1.5 million people.
- Almost all of Phoenix's tap water starts as snow far north of the city and is transported via the Colorado, Salt and Verde Rivers, then to canals into to the city's five water treatment plants.
- At an average monthly cost of about \$57 for water and wastewater, a Phoenix resident receives about 2.5 gallons of tap water for a penny.
- Phoenix Water Services produces about 100 billion gallons of tap water annually that is delivered to more than 400,000 accounts.
- More than five million water quality tests and measurements are performed annually in the treatment and distribution systems.
- Despite being in the desert, Phoenix's water supply is in very good shape due to decades of planning and multiple water sources. We have the water we need, but let's not waste it.
- Phoenix Water Services' annual operating budget is approximately \$278 million and its five-year Capital Improvement Plan totals about \$1.6 billion.
- The demand for tap water in Phoenix ranges from highs over 400 million gallons per day in summer to lows under 175 million in winter.
- Phoenix's residential gallons per capita per day (GPCD) use of water has fallen roughly 30% over the last twenty years, despite adding 360,000 residents.
- Phoenix has had a water conservation office since 1986, nearly 20 years.
- Water Services maintains about 7,000 miles of water mains, 50,000 fire hydrants, and 40 reservoirs.
- Phoenix tap water is fluoridated at a level of 0.7 parts per million. That's equivalent to about one drop in a swimming pool.
- Phoenix has one of the most aggressive infrastructure leak repair programs in the country.
- Less than one percent of Phoenix's tap water is used for drinking.
- The wastewater system includes two wastewater plants, almost 5,000 miles of sewer mains and 78,000 manholes.
- Approximately 165 million gallons of wastewater is treated each day, servicing about 2.5 million customers. The two Wastewater Treatment Plants have the capacity to treat over 290 million gallons of wastewater per day.
- More than 90 percent of Phoenix's wastewater is highly treated and reused for crops, power generation, and turf irrigation.
- Phoenix uses cameras and high tech equipment to clean grease, roots and other debris from about a third of its sewer lines each year.
- Numerous award-winning videos and public service announcements have been produced featuring actor Leslie Nielsen.
- The City of Phoenix Water Services Department is more than 100 years old.

Pretreatment Program Changes

There have been no significant changes to the City of Phoenix Industrial Pretreatment Program (Program) during 2015. However, the Program had again experienced high levels of field staff turnover and reassignment within division sections during the year. The industrial pretreatment plans examination function for the program had historically been performed by a Senior Water Quality Inspector. During 2015 the position was reclassified to a Mechanical Plans Examiner I; however, no field inspector positions were lost in this reclassification.

The Environmental Services Division within the Water Services Department is responsible for implementing the Program for the City of Phoenix. The Program continues to be organized into three sections: Wastewater Monitoring, Commercial Inspections/FOG, and Industrial Pretreatment. An organizational chart is included in this report and appears on a page just after the Summary of Pretreatment Program Expenditures.

▪ **Wastewater Monitoring Section**

The Wastewater Monitoring Section collects wastewater, groundwater, and biosolids samples to support the following:

- NPDES and AZPDES Permit compliance for the City of Phoenix wastewater treatment plants
- Aquifer Protection Permit compliance for the City of Phoenix wastewater treatment plants and recharge facilities
- Industrial user permit compliance determination and enforcement
- Industrial user sewer rate recalculation (sewer billings)
- SROG Cities' sewer charges and compliance determination
- Special projects, studies, and emergency response

Sampling crews frequently conduct sampling operations in hazardous locations such as confined spaces, streets where traffic conditions must be considered, and in the Salt and Gila Rivers. Sophisticated, computerized sampling and measuring equipment in addition to manual sample collection techniques are used to collect samples, which are then analyzed by the City's Water Services Laboratory.

▪ **Commercial Inspections / FOG Section**

The Commercial Inspections / Fats, Oils and Grease (FOG) Section inspects and enforces the City's sewer use ordinance at commercial/industrial facilities to support the following:

- Routine/educational inspections of pretreatment devices and systems to prevent POTW infrastructure damages; obstructions; Sanitary Sewer Overflows (SSOs); and WWTP upset, interference, and passthrough
- Complaint inspections
- Routine/educational stormwater inspections (in support of the City stormwater program)
- Construction inspections of pretreatment devices and compliance sampling points
- Investigation of potential illegal discharges
- Investigation of SSOs and sewer blockages
- FOG Pollution Prevention (P2) outreach to domestic users following SSOs in residential areas
- Issuance of Temporary Discharge/Manhole Entry Permits
- Referral of industries for permitting evaluation to the Industrial Pretreatment Section

Additionally, the section is responsible for examination of new and remodel commercial construction plans to determine the need for wastewater pretreatment and/or wastewater discharge permitting. A database is used by staff to systematically target geographic areas for preventative inspections, as well as to track pretreatment devices and enforcement history for a given facility.

Commercial Inspections / FOG Section Metrics

Routine/Educational Inspections	1,737
Construction Inspections	100
SSO Investigations - Residential Areas	18
SSO Investigations -Commercial/Industrial Areas	29
Routine/Educational Stormwater Inspections	1,251
Notices of Violation	16
Back Billing for Damages	\$ 0.00
Plans Reviewed for Pretreatment	1,180

▪ **Industrial Pretreatment Section**

The Industrial Pretreatment Section is responsible for the following:

- Inspections of permitted industrial users and potential permittees
- Routine/educational stormwater inspections (in support of the City stormwater program)
- Examination of industrial user construction plans with regard to industrial processes, pretreatment systems, and compliance sampling points
- Issuance of Wastewater Discharge Permits
- Issuance of Temporary Discharge/Manhole Entry Permits
- Evaluation of permitted industrial user compliance and file management
- Records retention
- Enforcement of permitted industrial users
- Periodic recalculation of industrial user sewer rates based on flow and loading
- Periodic revision of sewer use ordinances, standard operating procedures (SOPs), Civil Penalty Policy, and Enforcement Response Plan
- Pollution Prevention (P2) outreach to industrial and residential users
- Publication of industrial user escalated enforcement actions to enable public participation
- Annual publication of Significant Noncompliant
- Coordination and writing of the Annual Report on behalf of the SROG cities

Pollution Prevention Program

Section F.4.e. of the National Pollutant Discharge Elimination System (NPDES) Permit № AZ0020524 and AZPDES Permit № AZ0020559 requires the City of Phoenix (City) to develop and implement, through its Industrial Pretreatment Program (Program), a Pollution Prevention (P2) Program for controllable sources of pollutants within the service area of the 23rd and 91st Avenue Wastewater Treatment Plants (WWTPs). In accordance with the City's "Implementation of Best Management Practices in the Service Area of the 23rd and 91st Avenue WWTPs Project Schedule", as revised on March 22, 1996, the City's efforts for the period January 1, 2015 through December 31, 2015 are summarized below.

▪ **General Community Outreach / Education**

- This year, the Commercial Inspections/FOG Section distributed literature which was developed in partnership with the Stormwater Management Section. The literature targets restaurants and highlights the importance of properly handling FOG, cleaning agents, food waste, trash and garbage to reduce pollution directed to the sanitary sewer and to prevent overflow into the stormwater system.
- Near the end of year holiday season, the Commercial Inspections/FOG Section also added a timely segment regarding the proper disposal of fryer oil to the monthly utility bill insert, Phoenix at your Service.
- The Industrial Pretreatment Section and Commercial Inspections/FOG Section conduct educational/outreach by educating industry and the public about the impacts that can result when FOG, oil, antifreeze, pesticides, herbicides, paints, solvents, pharmaceuticals, detergents, or other potentially harmful chemicals are dumped into drains. Materials such as brochures, flyers, posters, P2 promotional items, and graphics are used to support the educational/outreach program. P2 games and materials are taken to environmental conferences, trade shows, various community events, and public schools where information is distributed and visitors can test their pollution prevention knowledge.

Community Outreach Events			
Event	Sponsor	Date	Attendees
Tres Rios Nature & Earth Festival at Estrella Mountain Regional Park	General Public	03/07/2015 03/08/2015	7,000
School Presentation at ASU Preparatory Academy 735 East Fillmore Street Phoenix, Arizona 85006	ASU Preparatory Academy	04/09/2015	53
City of Phoenix Earth Day	City of Phoenix	04/22/2015	100
School Presentation at Sunland Elementary School 5401 South 7th Avenue Phoenix, Arizona 85041	Sunland Elementary School	06/09/2015	46
Arizona Forward Educator's Night at the Phoenix Zoo	Arizona Forward	10/28/2015	140

Community Outreach Events			
School Presentation at St. John Bosco Catholic School 16035 South 48th Street Phoenix, Arizona 85048	St. John Bosco Catholic School	11/15/2015	124

▪ **Industrial Education and Outreach**

The Industrial Pretreatment Section continues to deliver the Industrial Pretreatment Compliance Academy it developed in 1995 to support a P2 education/outreach program directed at industrial and commercial facilities located in Phoenix. The Compliance Academy classes include a PowerPoint presentation, a reference handbook, and sometimes hands-on activities or a laboratory tour. The presentation and handbook includes P2 information and demonstrates ideas to specific industry sectors including metal finishers, hospitals, industrial laundries, etc. During 2015, class participation and materials were used at the following forums:

Industrial Outreach Events: Industrial Pretreatment Compliance Academy:			
Class Name	Place & Date	Attendee Types	No of Attendees
Wastewater Discharge Permit	Water Services Building January 28, 2015	<ul style="list-style-type: none"> ▪ Permitted Industrial Users ▪ Pretreatment Staff from other Municipalities ▪ Staff from Arizona Department of Environmental Quality ▪ Staff from Border Environment Cooperation Commission 	55
Wastewater Compliance Sampling	Water Services Building March 25, 2015		63
Laboratory Analytical Issues	Water Services Building May 21, 2015		48
Enforcement	Water Services Building July 29, 2015		57
Pollution Prevention (P2)	Water Services Building September 30, 2015		53
Stormwater Compliance Overview	Water Services Building November 19, 2015		51

▪ **Point Source Control**

- The Industrial Pretreatment Section actively identifies, by SIC code, those businesses located in Phoenix that were likely to use the pollutants so that onsite inspections and wastestream sampling could be conducted to determine (1) whether or not they actually used the pollutants; (2) whether or not the pollutants are actually discharged to the WWTPs and at what levels and (3) the feasibility and benefit of implementing BMPs at businesses which discharge measurable levels of pollutants of concern. Meetings with the industrial groups and annual site inspections continue to reinforce BMP practices.
- Best Management Practices (BMPs) continue to be implemented on four pollutants. These pollutants are Fluoride, Molybdenum, Selenium, and DEHP. On January 1, 2005, the SROG cities adopted and implemented revised local limits. During the local limits review process, these four pollutants were identified as candidates for BMPs. The City determined the target industries which discharge these pollutants and identified opportunities for their reduction through the control document (Permit), inspections, and the IPP Compliance Academy. During 2015, the City of Phoenix spearheaded the development and delivery of a SROG Cities Molybdenum P2 Fact Sheet to industrial users with chilled water structures.

- Class B Wastewater Discharge Permits continue to be issued for special dischargers and zero categorical wastewater dischargers. Industrial users performing manufacturing or service processes from one of the federal point source categories but discharging zero wastewater generated from those processes are issued a Class B Zero Categorical Wastewater Discharge Permit. Industrial users that do not meet the definition of an SIU, but discharging high strength BOD/TSS wastewater, remediated groundwater, or pollutants of concern are issued Class B Wastewater Discharge Permits. Through the end of 2015, the Industrial Pretreatment Section inspected 56 Class B Permittees.

Class B ZERO Categorical Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
1.	Aero Spring & Manufacturing Co.	3335 East Wier Avenue	Metal Finishing
2.	American Aerospace Technical Castings, Inc.	2950 West Catalina Drive	Metal Finishing
3.	Arizona Hard Chrome, Inc.	2609 West Cypress Street	Metal Finishing
4.	Bergmann Group	3730 East Southern Avenue	Metal Finishing
5.	CMR Manufacturing, Inc.	2421 East Jackson Street	Metal Finishing
6.	Coating Technologies, Inc	21438 North 7th Avenue	Metal Finishing
7.	Collins Metal Finishing	3536 East Illini Street	Metal Finishing
8.	Concours Metal Finishing, Inc.	9845 North 21st Avenue	Metal Finishing
9.	Controlled Coatings, Inc.	1801 West Rose Garden Lane, Suite #6	Metal Finishing
10.	Controlled Thermal Technology	2617 West Cypress Street	Metal Finishing
11.	Diversified Metals, Inc.	9849 North 19th Drive	Metal Finishing
12.	Ducommun Technologies	1601 East Broadway Road	Metal Finishing
13.	Environmental Management Systems, Inc.	2132 South 5th Avenue	Centralized Waste Treatment
14.	Gannon & Scott Phoenix, Inc.	2113 East Sky Harbor Circle South	Centralized Waste Treatment
15.	Helio's Designer Hardware	2645 East Adams Street	Metal Finishing
16.	Kemp Rubber Company, Inc.	3226 West Sherman Street	Rubber Manufacturing
17.	L.A. Specialties, Inc.	4223 North 40th Avenue	Metal Finishing
18.	L.B.O. Plating	2008 West Jackson Street	Metal Finishing
19.	Lincoln Laser Company	234 East Mohave Street	Metal Finishing
20.	Mega Metals Unlimited Inc. RECLASSIFIED CLASS A – 02/2015	1323 North 22nd Avenue	Nonferrous Metals Manufacturing
21.	Noranco Jet Processing	2660 West Quail Avenue	Metal Finishing
22.	Ohlinger Industries, Inc.	1211 West Melinda Lane	Metal Finishing
23.	Osborn Products, Inc.	1127 West Melinda Way	Metal Finishing
24.	Papago Plating	2312 East Washington	Metal Finishing
25.	Perma-Finish, Inc.	74 North 45th Avenue	Metal Finishing
26.	Pewter Enterprises, LLC dba New World Pewter TERMINATED 01/2015	2225 West Mountain View Road #12	Metal Finishing
27.	Phoenix Metalcraft, Inc.	3845 North 29th Avenue	Metal Finishing
28.	Phoenix Tool & Gage, Inc.	2612 West Encanto Boulevard	Metal Finishing
29.	PMA Photometals of Arizona	3040 North 27th Avenue	Metal Finishing
30.	Precise Metal Products Company	3839 North 39th Avenue	Metal Finishing
31.	Precision Industrial Painting, Inc	1139 West Hilton Avenue	Metal Finishing

Class B ZERO Categorical Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
32.	Profile Precision Extrusion	7225 West Sherman Street	Metal Finishing
33.	Purcell Tire Company	420 South 35th Avenue	Rubber Manufacturing
34.	R.B. Machine Company, Inc.	3729 West Buchanan Street	Metal Finishing
35.	Royal Sign Company, Inc.	2631 North 31st Avenue	Metal Finishing
36.	Southwest Powder Coating, Inc.	116 North 59th Avenue	Metal Finishing
37.	Sun West Engineering, Inc.	3802 West Broadway Road	Metal Finishing
38.	The Trendsetters	2204 East Magnolia Street	Metal Finishing
39.	Thermo Fluids, Inc.	4301 West Jefferson Street	Centralized Waste Treatment
40.	Total Seal Piston Rings, Inc.	22642 North 15th Avenue	Metal Finishing
41.	Triumph Air Repair	4010 South 43rd Place	Metal Finishing
42.	Troy Corporation Arizona	113 South 47th Avenue	Pesticides
43.	Veolia ES Technical Solutions, LLC	5736 West Jefferson Street	Centralized Waste Treatment
44.	Verco Decking, Inc.	4340 North 42nd Avenue	Coil Coating-Canmaking

Class B Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
1.	Elite Waste Services	2412 West Sherman Avenue	Hauled Portable Toilet
2.	Freescale Semiconductor, Inc. 52nd ST Superfund Site - OU 2	12 South 20th Street	Groundwater Remediation
3.	Kinder Morgan SFPP, L.P. Phoenix Terminal	49 North 53rd Avenue	Fuel Tank Farm
4.	Kinder Morgan SFPP, Rack 11 TERMINATED 12/31/2015	5110 West Madison Street	Fuel Tank Farm
5.	La Canasta Mexican Food Products, Inc.	3101 West Jackson Street	Food Manufacturing
6.	Leclerc Foods Nutrition Arizona, LLC	440 South 51st Avenue	Food Manufacturing
7.	National Construction Rentals	2131 West Roosevelt Street	Hauled Portable Toilet
8.	Phillips 66 Company Circle K Store № 02891	5146 East McDowell Road	Groundwater Remediation
9.	Sunbelt Investment Holdings, Inc. - No. 206 Grand	3010 Northwest Grand Avenue	Groundwater Remediation
10.	Swissport Fueling Services	4200 East Airline Drive	Fuel Tank Farm
11.	Swissport Fueling, Inc.	Sky Harbor International Airport 3737 East Bonanza Way	Aviation Dump Station
12.	Waste Management Phoenix Hauling South	1580 East Elwood Street	Hauled Portable Toilet

Training and Participation in Conferences and Workshops

▪ **Individual Training:**

Staff members continue to actively take both personal growth and productivity courses from various educational and training resources. To broaden their education, some inspectors take self-study courses (developed by California State University, Sacramento) for wastewater or water treatment operations certification.

▪ **Group Training:**

Program staff regularly participates in the USEPA Pretreatment 101 Series Webcasts, In-House Inspector Training, and AZ Water Conferences and Workshops as they are offered.

The entire division participates in Training Briefs, such as Hazard Communication, Heat Stress, Security Threat Levels, Emergency Response Plan, Fire Prevention, Bomb Threats, Reporting Suspicious Incidents, Information Technology Security, Sexual Harassment, Workplace Violence Prevention, and Prescription Safety Eye Protection.

▪ **NEFAP Accreditation Progress and Training:**

The City of Phoenix Environmental Services Division continues to work towards attaining the field sampling accreditation with National Environmental Field Activities Program (NEFAP). Staff writes and reviews standard operating procedures (SOPs) for sampling and pretreatment program protocols and use of equipment. Documented SOP training is provided followed by periodic demonstration of proficiency.

▪ **Workshop Participation and Presentation:**

In November 2015, staff attended and participated in the AZ Water Industrial Pretreatment Sampling Workshop, which was held at the City of Tempe Environmental Services Section. This workshop provided focused training on sampling industrial facilities, types of sampling applications, appropriate field and analytical methods, quality assurance, and chain of custody documentation. The format for the workshop was one half day in the classroom and one half day with hands-on field activities and sampling demonstrations.

Other Activities

▪ **Coordination with Other Pretreatment Programs**

Phoenix continued to provide counsel and guidance to the Pretreatment Programs of the contributing jurisdictions and Programs throughout the state during 2015. Multi-city coordination for purposes of encouraging compliance with federal requirements and consistency of implementation was accomplished through monthly multi-city meetings attended by representatives from each Program, as well as through periodic meetings with individual Program staff.

Phoenix personnel along with members from the other SROG cities continue the monthly sampling program at all 14 Metering Stations. This sampling program provides representative information about the quality of wastewater discharged to the 91st Avenue WWTP.

▪ **Enforcement Activities to Involve and Inform the Public**

In addition to publication of Industrial Users having a status of Significant Noncompliance during the reporting year, the City used several types of legal instruments designed to bring Significant Industrial Users back into compliance. The City continued to conduct Show Cause Hearings and to collect monetary penalties from permittees which violated pretreatment requirements during the year. A summary of these enforcement activities which identify the permittees, the nature of the violations, published Pretreatment Settlement Agreements, and any monetary penalties associated with those actions follows on the next page.

**City of Phoenix
2015 Published Pretreatment Enforcement Actions**

Permittee Name	SNC?	40 CFR	Violations	Show Cause Hearing Date	Penalty Collected	Newspaper Publication Fee	PSA/CD
1 Paradise Valley Hospital	Yes	Local Limits	1 Copper Violation and 2 Late Reporting Violations and Significant Non-Compliance Status for Late Reporting for 4 th Quarter 2014.	03/11/2015	\$ 4,561	\$ 663	140751-0

2015 TOTAL \$ 4,561

The Industrial Pretreatment Sampling Workshop

Introduction

The AZ Water Pretreatment Committee is pleased to announce the 1st Industrial Pretreatment Sampling Workshop. This workshop is intended to provide more specific and targeted training to pretreatment sampling. Training will be centered on the purpose of an industrial sampling program as well as the type of sampling applications, appropriate field and analytical methods, chain of custody documents, quality assurance, safety, and the different types of flow control technologies associated with industrial sampling. The format for this workshop will be a half of a day in classroom and the other half-day will be hands-on field activities and sampling demonstrations to provide attendees the opportunity to operate field sampling equipment at a dedicated training site constructed by the City of Tempe.

PDHs

8 PDHs will be offered for completion of the Industrial Pretreatment Sampling Workshop. Agenda items and total number of PDH's offered may change without notice.

Date, Location and Food

The workshop will be offered at the **City of Tempe Environmental Services Section (6600 South Price Road Tempe, AZ, 8528), see attached map.** The date of this event is November 5, 2015. There is no cost for registration, and includes continental breakfast and lunch.

The Advanced Pretreatment Training Workshop

Agenda: Thursday November 05, 2015 – 8:00 a.m. to 4:30 p.m.

Time	Topic
8:00 AM 9:00 AM	Module 1 – Richard Dalton (City of Tempe) Industrial Sampling
9:00 AM 10:00 AM	Module 2 – Richard Dalton (City of Tempe) Industrial Sampling (Cont'd)
	10:00 AM 10:15 AM BREAK
10:15 AM 11:00 AM	Module 3 – John Watson (JW Environmental Consulting) Quality Assurance/Quality Control
11:00 AM 12:00 PM	Module 4 – Amy Gamache (MCESD) Flow Monitoring Equipment and Technology
	12:00 PM 1:00 PM LUNCH
1:00 PM 4:30 PM	Module 5 – Andrea Cooper (City of Phoenix) Sampling Technique & Field Monitoring Equipment
1:30 PM 4:30 PM	Module 6 – Amy Gamache (WEECI)/Christopher Garcia (City of Tempe) Flowing Monitoring and Auto Sampling Equipment
	Modules 5 & 6 will be hands on demonstrations that the class will be broken into 2 groups to participate

CITY OF PHOENIX

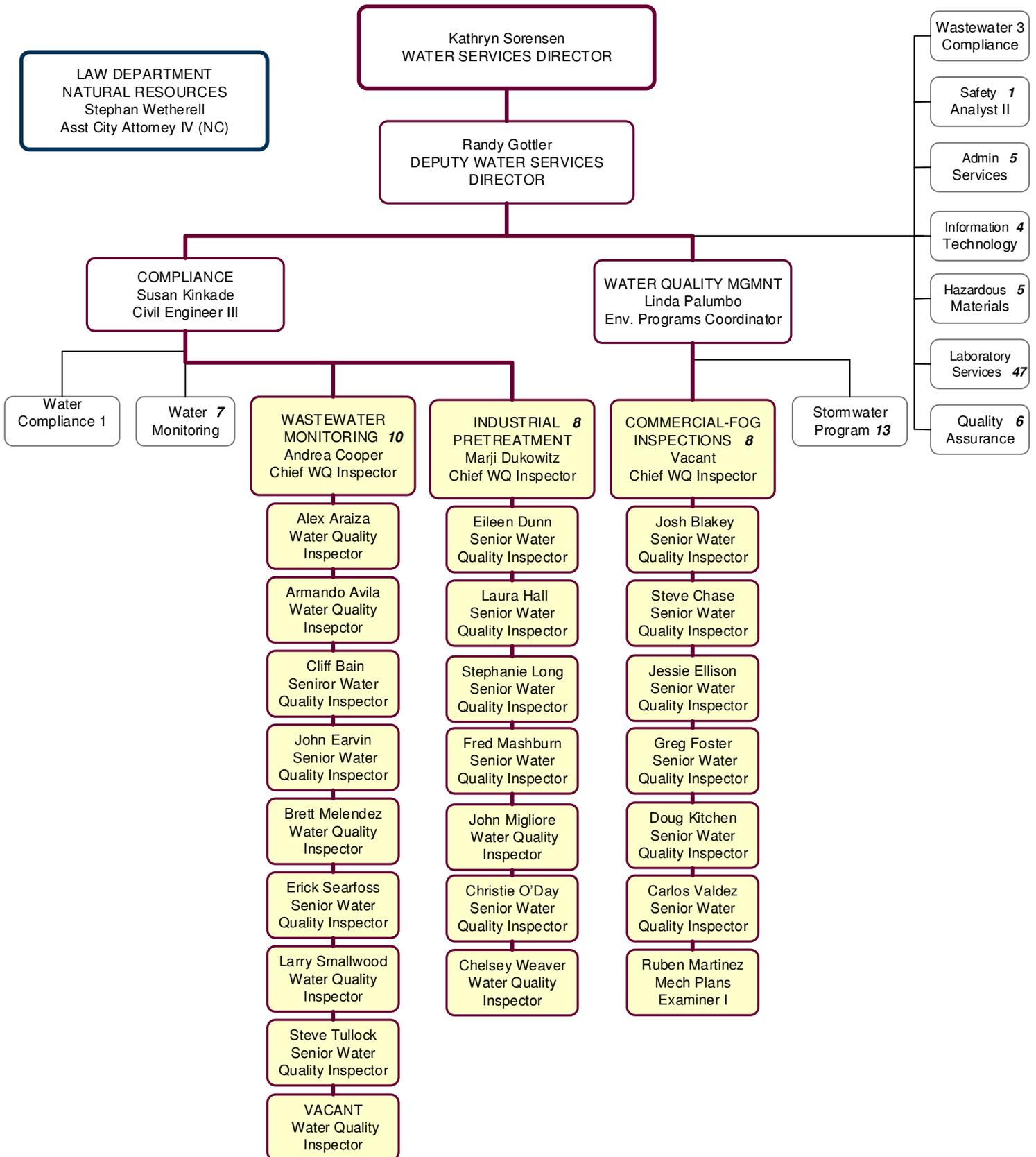
SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES		
January 1, 2015 – December 31, 2015 – Total Pretreatment Expenditures \$ 4,130,247		
PRETREATMENT PROGRAM EXPENDITURES		
Personnel		\$ 1,966,119
Operations & Maintenance		\$ 273,963
Laboratory		\$ 1,755,077
Equipment		\$ 10,088
Vehicles		\$ 125,000
PRETREATMENT PROGRAM EQUIPMENT INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
Photo Ionization Detector	0	1
Flow Meters	0	26
Auto Samplers	6	26
Turbidimeters	0	3
pH/DO/Conductivity Meters	0	5
Chlorine Colorimeters	0	3
Air Movers	1	4
Confined Space Harnesses	2	8
Air/Gas Detectors	2	8
Cameras	2	13
Pole Cameras	0	2
CCTV Sewer Camera	0	1
Computer Monitors	0	32
Computers	0	28
Printers	0	8
PRETREATMENT PROGRAM VEHICLE INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
Sampling Passenger Vans	0	1
Sampling 4WD Pickups	0	1
Inspector Pickups	0	6
Sampling Vans	1	4
Vehicle Pool Sedans	0	5 (Pool) ¹
¹ Sedans which are used for inspections of industrial facilities are part of a pool shared by all staff located on the 23rd Avenue WWTP.		

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2014</u>	<u>FTEs 2015</u>
Deputy Water Services Director	1.0 ²	1.0 ²
Civil Engineer III	0.5 ²	0.5 ²
Environmental Programs Coordinator	0.5 ²	0.5 ²
Assistant City Attorney IV	0.25 ²	0.25 ²
Mechanical Plans Examiner I	0.0	1.0
Environmental Quality Specialist	0.5	0.5
Chief Water Quality Inspectors	3.0	3.0
Senior Water Quality Inspectors	14.5	13.5
Water Quality Inspectors	6.0	9.0
Inspector Vacancies	3.0	1.0
Information Technology Application Programmer III	0.25 ²	0.25 ²
Information Technology Application Programmer I	0.5 ²	0.5 ²
Computer Operator	0.5 ²	0.5 ²
Secretary II	0.25 ²	0.25 ²

² These positions dedicate time to other Water Department functions.

CITY OF PHOENIX PRETREATMENT PROGRAM ORGANIZATION CHART



**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	A-1 Restaurant Services 1095 West Magnolia Street Phoenix, Arizona 85007	91st Avenue	4953	City Code
2.	AAA Ajax Pumping Service, Inc. 2433 South 7th Avenue Phoenix, Arizona 85007-4302	91st Avenue	4953	City Code
3.	Abrazo Central Campus 2000 West Bethany Home Road Phoenix, Arizona 85015	23rd Avenue	8062	City Code
4.	Abrazo Maryvale Campus 5102 West Campbell Avenue Phoenix, Arizona 85031	91st Avenue	8062	City Code
5.	Abrazo Scottsdale Campus 3929 East Bell Road Phoenix, Arizona 85032-2112	91st Avenue	8062	City Code
6.	Allied Tube & Conduit Corporation 2525 North 27th Avenue Phoenix, Arizona 85009-1710	23rd Avenue	3317	420.106(a)(2)
7.	AlSCO, Inc. 4707 West Camelback Road Phoenix, Arizona 85031	91st Avenue	7218	City Code
8.	Ameripride Services Inc. 6025 West Van Buren Street Phoenix, Arizona 85043-3509	91st Avenue	7213	City Code
9.	Angelica Textile Services 4410 West Mohave Avenue Phoenix, Arizona 85043-8304	91st Avenue	7218	City Code
10.	APS West Phoenix Power Plant 4606 West Hadley Street Phoenix, Arizona 85043-3933	91st Avenue	4911	423.16
11.	Aramark Uniform and Career Apparel, Inc. 3836 West Buckeye Road # F Phoenix, Arizona 85009	91st Avenue	7218	City Code
12.	Arizona Foods Group 2517 East Chambers Street Phoenix, Arizona 85040-3640	91st Avenue	3674	City Code
13.	Arizona Fueling Facilities Corporation 4000 East Sky Harbor Boulevard Phoenix, Arizona 85034	91st Avenue	9999	City Code
14.	Arizona Precision Sheet Metal, Inc. 2140 West Pinnacle Peak Road Phoenix, Arizona 85027-1200	91st Avenue	3444	433.17
15.	ASM America Inc.-University Drive Plant 3440 East University Drive Phoenix, Arizona 85034-7200	91st Avenue	3674	469.18
16.	Avanti Circuits, Inc. 17650 North 25th Avenue - Suite #5 Phoenix, Arizona 85023	91st Avenue	3672	433.17
17.	Baker Commodities, Inc. (Elwood) 3602 West Elwood Street Phoenix, Arizona 85009	91st Avenue	2077	City Code
18.	Banner Estrella Medical Center 9201 West Thomas Road Phoenix, Arizona 85035	91st Avenue	8062	City Code

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
19.	Banner Good Samaritan Medical Center 1111 East McDowell Road Phoenix, Arizona 85006-2612	23rd Avenue	8062	City Code
20.	Barrel O'Fun Snack Foods Southwest, Inc. 7330 West Sherman Street Phoenix, Arizona 85043-4751	91st Avenue	2096	City Code
21.	BioTech Research Labs, Inc. 3809 East Watkins Street Phoenix, Arizona 85034	91st Avenue	2833	439.46
22.	Café Valley, Inc. 7000 West Buckeye Road Phoenix, Arizona 85043-4306	91st Avenue	2050	City Code
23.	Carl T. Hayden Medical Center 650 East Indian School Road Phoenix, Arizona 85012-1892	23rd Avenue	8062	City Code
24.	Celgene Corporation 620 North 51 st Avenue Phoenix, Arizona 85043-2702	91st Avenue	2834	439.47
25.	Certified Inspection Service Company, Inc. 21 South 41 st Street Phoenix, Arizona 85034	23rd Avenue	3479	433.17
26.	ChemResearch Co., Inc. 1130 West Hilton Avenue Phoenix, Arizona 85007-4306	23rd Avenue	3471	433.17
27.	Chromalloy Arizona 5161 West Polk Street Phoenix, Arizona 85043	91st Avenue	7699	433.17
28.	Cintas Corporation 5501 West Hadley Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
29.	CleanPart Southwest LLC 3844 East University Drive Phoenix, Arizona 85034-7221	91st Avenue	3479	433.17
30.	Crothall Laundry Services Inc.- The Commercial Linen Exchange 4445 South 36 th Street Phoenix, Arizona 85040	91st Avenue	7213	City Code
31.	Dignity Health –St. Joseph's Hospital & Medical Center 350 West Thomas Road Phoenix, Arizona 85013-4409	23rd	8062	City Code
32.	District Photo, Inc. 2500 East Chamber Street Phoenix, Arizona 85040-3639	91st Avenue	7384	City Code
33.	DS Services of America, Inc. 3302 West Earll Drive Phoenix, Arizona 85017	91st Avenue	2086	City Code
34.	Entrepix, Inc. 4717 East Hilton Avenue Phoenix, Arizona 85034-6404	91st Avenue	3674	469.18
35.	FlipChip International, LLC 3701 East University Drive Phoenix, Arizona 85034	91st Avenue	3674	469.18
36.	FM Industries, Inc. Building "D" 2104 West Roosevelt Street Phoenix, Arizona 85009-3703	23rd Avenue	3471	433.17

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
37.	Freescale Semiconductor, Inc. 52nd ST Superfund Site OU 1 5005 East McDowell Road Phoenix, Arizona 85008	91st Avenue	9999	City Code
38.	Futureweld Company, Inc. 3518 East Wood Street Phoenix, Arizona 85040	91st Avenue	3471	433.17
39.	G&K Services, Inc. 4804 West Roosevelt Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
40.	GE Parallel Design, Inc. 4313 East Cotton Center Boulevard Phoenix, Arizona 85040	91st Avenue	3674	469.18
41.	Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc. 401 South 36th Street Phoenix, Arizona 85034	23rd Avenue	3599	433.17
42.	Heligear Acquisition Co.- Northstar Aerospace (Phoenix) 300 South 23 rd Street Phoenix, Arizona 85034	23rd Avenue	3599	433.17
43.	Holsum Bakery, Inc. 2322 West Lincoln Street Phoenix, Arizona 85009	23rd Avenue	2051	City Code
44.	Honeywell International Inc. Former Peoria Avenue Facility/EW-1 2305 West Mercer Lane Phoenix, Arizona 85051	91st Avenue	9999	City Code
45.	Honeywell International, Inc. Former Peoria Avenue Facility/MW-10 2251 West Sierra Street Phoenix, Arizona 85029	91st Avenue	9999	City Code
46.	Honeywell International, Inc. Honeywell Aerospace – Deer Valley 21111 North 19 th Avenue Phoenix, Arizona 85027-2708	91st Avenue	3812	469.18
47.	Honeywell International, Inc. Honeywell Aerospace – Phoenix R&O 1944 East Sky Harbor Circle Northwest Phoenix, Arizona 85034	23rd Avenue	3728	433.17
48.	Honeywell International, Inc. Honeywell Engines Product Center 111 South 34 th Street Phoenix, Arizona 85034-2802	23rd Avenue	3471	433.17
49.	IASIS Health Care - Saint Luke's Medical Center 1800 East Van Buren Street Phoenix, Arizona 85006-3742	23rd Avenue	8062	City Code
50.	John C. Lincoln Hospital -Deer Valley 19829 North 27 th Avenue Phoenix, Arizona 85027-4001	91st Avenue	8062	City Code
51.	John C. Lincoln Hospital -North Mountain 250 East Dunlap Avenue Phoenix, Arizona 85020-2825	23rd Avenue	8062	City Code
52.	Kerr West Plating, Inc. 4737 North 43rd Avenue – Suite # 3 Phoenix, Arizona 85031	91st Avenue	3695	433.17

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
53.	Layne Christensen Company – Water Technologies Division 3804 East Watkins Street Phoenix, Arizona 85034	91st Avenue	1623	437.16
	TERMINATED			
54.	Liquid Environmental Solutions of Arizona, LLC 5159 West Van Buren Street Phoenix, Arizona 85043	91st Avenue	4953	437.46
55.	Maricopa Integrated Health System 2601 East Roosevelt Street Phoenix, Arizona 85008	23rd	8062	City Code
56.	Marlyn Nutraceuticals - Naturally Vitamins 4404 East Elwood Street Phoenix, Arizona 85040	91st Avenue	2834	439.47
57.	Mastel Linen, Inc. 2940 West Virginia Ave Phoenix, Arizona 85009-1607	23rd Avenue	7218	City Code
58.	Mayo Clinic Arizona – Mayo Clinic Hospital 5777 East Mayo Boulevard Phoenix, Arizona 85024	91st Avenue	8062	City Code
59.	Mega Metals Unlimited, Inc. 1323 North 22 nd Avenue Phoenix, Arizona 85009	23rd Avenue	5093	421.306
60.	Metco Metal Finishing, Inc. 3508 East Corona Avenue Phoenix, Arizona 85040	91st Avenue	3471	433.17
	TERMINATED			
61.	Metco Metal Finishing, LLC 3508 East Corona Avenue Phoenix, Arizona 85040	91st Avenue	3471	433.17
62.	Milum Textile Services 333 North 7 th Avenue Phoenix, Arizona 85007-2533	23rd Avenue	7218	City Code
63.	Mission Linen Supply, Inc. 2652 South 16 th Street Phoenix, Arizona 85034	23rd Avenue	7213	City Code
64.	Modern Industries, Inc. 4755 East Beautiful Lane Phoenix, Arizona 85044	91st Avenue	3471	433.17
65.	MPP Group of Companies 230 South 49th Avenue Phoenix, Arizona 85043-3905	91st Avenue	3471	433.17
66.	Niagara Bottling, LLC 275 South 67th Avenue Phoenix, Arizona 85043	91st Avenue	2086	City Code
67.	One Camelback Inc. 1 East Camelback Road Phoenix, Arizona 85043-1668	23rd Avenue	9999	City Code
68.	PAS Technologies, Incorporated 1021 North 22 nd Avenue Phoenix, Arizona 85009	23rd Avenue	3471	433.17
69.	PepsiCo - Bottling Group, LLC 4242 East Raymond Street Phoenix, Arizona 85040	91st Avenue	2086	City Code
70.	Phoenix Children's Hospital 1919 East Thomas Road Phoenix, Arizona 85016	23rd Avenue	8062	City Code

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
71.	Phoenix Heat Treating, Inc. 2405 West Mohave Street Phoenix, Arizona 85009-6413	91st Avenue	3398	433.17
72.	Phoenix Indian Medical Center 4212 North 16 th Street Phoenix, Arizona 85016-5319	23rd Avenue	8062	City Code
73.	Phoenix Manufacturing, Inc. 3655 East Roeser Road Phoenix, Arizona 85040-3968	91st Avenue	3585	433.15
74.	Prudential Overall Supply 5102 West Roosevelt Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
75.	Quantum Global Technologies, LLC 2101 West Roosevelt Street Phoenix, Arizona 85009	23rd Avenue	7699	433.17
76.	Quantum Global Technologies, LLC dba Quantum Clean 3925 East Watkins Street, Suite 100 Phoenix, Arizona 85034	91st Avenue	3479	433.17
77.	Rexam Beverage Can Company 211 North 51 st Avenue Phoenix, Arizona 85043	91st Avenue	3411	465.45
78.	Safeway Phoenix Ice Cream Plant 2434 East Pecan Road Phoenix, Arizona 85040	91st Avenue	3674	City Code
79.	Sapa Extrusions North America – Extrusion Operation, Plant 1 249 South 51 st Avenue Phoenix Arizona 85043-3715	91st Avenue	3354	467.35
80.	Sapa Extrusions North America – Extrusion Operation, Plant 2 50 South 49 th Avenue Phoenix Arizona 85043	91st Avenue	3354	467.35
81.	Sapa Extrusions North America – Remelt Operation 249 South 51 st Avenue Phoenix Arizona 85043-3715	91st Avenue	3354	467.35
82.	Sav-On Plating, Inc. 17 West Watkins Street Phoenix, Arizona 85003-2824	23rd Avenue	3471	433.17
83.	Semi Ray Inspection Services, Inc. Semiray Special Process Division 3027 East Washington Street Phoenix, Arizona 85034-1517	23rd Avenue	3764	433.17
84.	Shamrock Foods Company – Dairy Division 2228 North Black Canyon Highway Phoenix, Arizona 85009-2707	23rd Avenue	2026	City Code
85.	Signetix, Inc. 2611 South 7 th Street, Suite 101 Phoenix, Arizona 85034-6523	91st Avenue	3479	433.17
86.	SkyChefs-Inc. – LSG SkyChefs 1451 South 23 rd Street Phoenix, Arizona 85034	23rd Avenue	5812	City Code
87.	Specialty Textile Services 720 West Buchanan Street Phoenix, Arizona 85007-3405	23rd Avenue	7218	City Code

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
88.	SUMCO Southwest Corporation 19801 North Tatum Boulevard Phoenix, Arizona 85050	91st Avenue	3674	469.28
89.	Sumika Electronic Materials 3832 East Watkins Street Phoenix, Arizona 85034	91st Avenue	3674	469.18
90.	The Proctor & Gamble Company 2050 South 35 th Avenue Phoenix, Arizona 85009	91st Avenue	2834	439.46
91.	U-Systems Inc. TERMINATED 10027 South 51 st Street Phoenix, Arizona 85044	91st Avenue	3845	433.17
92.	UniFirst Corporation 104 North 14 th Street Phoenix, Arizona 85034-1114	23rd Avenue	7218	City Code
93.	Valkyrie Industries, Inc. 6033 West Sherman Street Phoenix, Arizona 85043	91st Avenue	3471	433.17
94.	Western Digital Technologies. TERMINATED 1000 East Bell Road Phoenix, Arizona 85022-2549	91st Avenue	9999	City Code
95.	World Resources Company 8113 West Sherman Street Phoenix, Arizona 85353-4025	91st Avenue	3399	City Code

CITY OF PHOENIX

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users were added in 2015:

Metco Metal Finishing, LLC. – NEW OWNERSHIP
3508 East Corona Avenue
Phoenix, Arizona 85040

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

Layne Christensen Company –
Water Technologies Division
3804 East Watkins Street
Phoenix, Arizona 85034

Metco Metal Finishing, Inc.
3508 East Corona Avenue
Phoenix, Arizona 85040

U-Systems Inc.
10027 South 51st Street
Phoenix, Arizona 85044

Western Digital Technologies
1000 East Bell Road
Phoenix, Arizona 85022-2549

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

Mega Metals Unlimited, Inc. 1323 North 22 nd Avenue Phoenix, Arizona 85009	Reclassified to Class A Categorical SIU from Class B Zero Categorical Discharge IU
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CITY OF PHOENIX

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

Honeywell Engines Product Center 111 South 34th Street Phoenix, Arizona 85034-2802	IS NOW	Honeywell International, Inc.- Honeywell Engines Product Center 111 South 34th Street Phoenix, Arizona 85034-2802
Maryvale Hospital and Medical Center 5102 West Campbell Avenue Phoenix, Arizona 85031	IS NOW	Abrazo Maryvale Campus 5102 West Campbell Avenue Phoenix, Arizona 85031
Phoenix Baptist Hospital & Medical Center, Inc. 2000 West Bethany Home Road Phoenix, Arizona 85015-2443	IS NOW	Abrazo Central Campus 2000 West Bethany Home Road Phoenix, Arizona 85015-2443
Vanguard Health Systems dba Paradise Valley Hospital 3929 East Bell Road Phoenix, Arizona 85032-2112	IS NOW	Abrazo Scottsdale Campus 3929 East Bell Road Phoenix, Arizona 85032-2112

City of Phoenix
PRETREATMENT PERFORMANCE SUMMARY
23rd Avenue Wastewater Treatment Plant

I. General Information							
Control Authority Name: City of Phoenix			NPDES No: AZ0020559				
Address: 2474 South 22 nd Avenue		City: Phoenix		State: Arizona		ZIP: 85009	
Contact Person: Marji Dukowitz				Contact Telephone Number: (602) 495-5926			
Reporting Period: January 1 – December 31, 2015		Categorical IUs: 12		Significant Non-Categorical IUs: 19			
II. Significant Industrial User Compliance							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	No. of SIUs in Full Compliance	10	83.3%	11	58%	21	68%
2.	No. of SIUs in Inconsistent Compliance	1	8.3%	7	37%	8	26%
3.	No. of SIUs in Significant Noncompliance	1	8.3%	1	5%	2	6%
4.	No. of Parameter Violations	6		14		20	
5.	No. of Reporting Violations	0		18		18	
6.	No. of Permit Condition Violations	1		6		7	
III. Compliance Monitoring Program							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	No. of Control Documents Issued	12		19		31	
2.	No. of Nonsampling Inspections Conducted	13		23		36	
3.	No. of Facilities Inspected (Nonsampling)	12		19		31	
4.	No. of Sampling Visits Conducted	92		168		260	
5.	No. of Facilities Sampled	12		19		31	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	Notices of Violations Issued to SIUs	3		22		25	
2.	Temporary Increase in IU Self Monitoring	1		10		11	
3.	Administrative Orders Issued to SIUs	0		0		0	
4.	Compliance Schedules Issued	0		0		0	
5.	Settlement Agreements	0		1		1	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 0.00 / 0		\$ 0.00 / 0		\$ 0.00 / 0	

City of Phoenix
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information						
Control Authority Name: City of Phoenix			NPDES No.: AZ0020524			
Address: 2474 South 22 nd Avenue		City: Phoenix		State: Arizona		ZIP: 85009
Contact Person: Marji Dukowitz				Contact Telephone Number: (602) 495-5926		
Reporting Period: January 1 – December 31, 2015			Categorical IUs: 46		Significant Non-Categorical IUs: 49	
II. Significant Industrial User Compliance						
	Categorical		Non-categorical		Total SIUs	
	No	%	No	%	No	%
1. No. of SIUs in Full Compliance	40	87%	34	69%	74	78%
2. No. of SIUs in Inconsistent Compliance	5	11%	13	27%	18	19%
3. No. of SIUs in Significant Noncompliance	1	2%	2	4%	3	3%
4. No. of Parameter Violations	11		28		39	
5. No. of Reporting Violations	3		20		23	
6. No. of Permit Condition Violations	5		11		16	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
1. No. of Control Documents Issued	46		49		95	
2. No. of Nonsampling Inspections Conducted	57		58		105	
3. No. of Facilities Inspected (Nonsampling)	46		49		95	
4. No. of Sampling Visits Conducted	322		421		743	
5. No. of Facilities Sampled	45		47		92	
IV. Enforcement Actions						
	Categorical		Non-categorical		Total SIUs	
1. Notices of Violations Issued to SIUs	10		42		52	
2. Temporary Increase in IU Self Monitoring	2		14		16	
3. Administrative Orders Issued to SIUs	0		0		0	
4. Compliance Schedules Issued	0		0		0	
5. Settlement Agreements	0		1		1	
6. Other Actions	0		0		0	
7. Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 7,482.00 / 1		\$ 4,561.00 / 1		\$ 12,043.00 / 2	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: AAA Ajax Pumping Service, Inc.

Process Flow: 19,894 GPD (Average)

General Information and type of wastewater treatment	<p>This facility primarily accepts and de-waters septage and grease trap waste and other wastewaters approved by the City of Phoenix. Treatment consists of a grinder pump, polymer dosing system, sludge dewatering tank and solids extruder. The dewatering tank discharges to a centrifugal rotary fan for further dewatering.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>During the 2014 and 2015 annual compliance inspections, City of Phoenix staff observed that AAA Ajax Pumping Service, Inc. (AAA) off-loads oily wastewater from pumped automotive/industrial interceptors onsite, temporarily stores the waste, and hauls the waste to a landfill once the container is full; a zero discharge operation. However, the Special Conditions section of the permit specifically prohibits the Permittee from receiving any wastewater applicable to the Federal Centralized Waste Treatment Point Source Category pursuant to 40 CFR 437, i.e., industrial metal-bearing wastes, oily wastes, and organic-bearing wastes from off-site. Revision of the permit during the 1st quarter of 2016 is pending.</p> <p>On 12/31/2015, an NOV was issued for a permit condition violation that occurred on 12/22/2015. AAA failed to correctly sample parameters, and the City became aware of the violation on 12/22/2015. The NOV was later rescinded on 01/20/2016; further review of Method 624 and Method 1664A revealed that sample collection and preservation was adequate.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Abrazo Central Campus (Phoenix Baptist Hospital)		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 2000 West Bethany Home Road Phoenix, Arizona 85015-2443		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 12/28/1990	
TTO CERTIFICATION DATE SUBMITTED: NA	PERMIT EFFECTIVE: 07/01/2012	PERMIT EXPIRES: 06/30/2017		
SAMPLING LOCATION VERIFIED ON: 11/24/2015		RCRA NOTICE: 12/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 11/24/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	5	2	0	4
Number of IU Sampling Days	6	6	6	6
Number of Parameter Violations	4	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	2	7	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	S	I	C	C
Evaluated as of:	04/27/2015	07/23/2015	10/22/2015	01/21/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Effluent	03/20/2015	Grab	City	City	pH	<2.0	6
1 st	Effluent	03/20/2015	Composite	City and Federal	City	Cu	13.5 mg/L	4
1 st	Effluent	03/20/2015	Grab	City and Federal	City	Cu	5.44 mg/L	1
1 st	Effluent	03/20/2015	Composite	City and Federal	City	Zn	5.99 mg/L	4
1 st	Reporting	03/31/2015	NA	NA	NA	Late NOV response, pH, 11 days		
1 st	Reporting	03/31/2015	NA	NA	NA	Late Water Balance response, 38 days		
2 nd	Reporting	04/27/2015	NA	NA	NA	Late pH TISM, 9 days		
2 nd	Reporting	05/06/2015	NA	NA	NA	Late NOV response, Cu & Zn, 1 day		
2 nd	Reporting	05/18/2015	NA	NA	NA	Late pH TISM, 5 days		
2 nd	Reporting	05/18/2015	NA	NA	NA	Late Cu & Zn TISM, 14 days		
2 nd	Reporting	05/18/2015	NA	NA	NA	Late Cu & Zn TISM, 5 days		
2 nd	Reporting	05/18/2015	NA	NA	NA	Late Cu & Zn TISM, 8 days		
2 nd	Reporting	05/18/2015	NA	NA	NA	Late Cu & Zn TISM, 8 days		
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A	A(4), L(2)	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Abrazo Central Campus (Phoenix Baptist Hospital)

Process Flow: 29,995 (GPD) Average

General Information and type of wastewater treatment	<p>This facility is a 216 bed hospital that provides cardiovascular care, orthopedics, women's services, radiology, 24-hour emergency services, outpatient surgery, laboratories and on-site food services. The major sources of discharge are from patient rooms, cafeteria, surgical suites, and laboratories. The pretreatment system consists of a 25/50 grease trap for a 3 compartment sink in the kitchen and a 15/30 grease trap for a drain in the tallow bin area. Waste oils, acids and caustics, waste laboratory chemicals and biohazard wastes are collected in containment drums and shipped off site by a contractor for proper disposal.</p>
First Quarter	<p>On 03/20/2015 a field NOV was issued for a pH violation of 2.0 S.U. observed during City sampling. City inspectors required the SIU to cease discharging since wastewater <2.0 is considered hazardous waste. Both composite and grab samples were collected for metals analysis at the time. The facility representative indicated that the sources of the low pH water may have been generated from descaling chiller tubes by contractors. The facility representative stopped them immediately. Inspectors verified that the pH returned to normal before leaving the site.</p>
Second Quarter	<p>On 04/08/2015 a TISM was issued for the pH effluent violation that occurred on 03/20/2015 during City Monitoring. On 04/21/2015 an NOV and TISM were issued for two Copper and one Zinc effluent violations that occurred on 03/20/2015 during City Monitoring. On 04/21/2015 an NOV was issued for a late NOV Response to the 03/20/2015 - pH violation and a late Water Balance Data Form, due 03/31/2015. The Water Balance Data form was received on 05/07/2015, 38 days late which puts the facility into SNC. On 05/07/2015 an NOV was issued for late reporting of NOV Responses to the 04/21/2015 NOVs for Cu & Zn violations, late Water Balance Data Form & pH violation response. On 06/30/2015 an NOV was issued for late reporting of pH TISM results and late Cu & Zn TISM results.</p> <p>All NOV requirements were met. A Show Cause Hearing and applicable Civil Penalties will occur during the first quarter of 2016; IPP staffing changes have contributed to delay in scheduling a Show Cause Hearing.</p>
Third Quarter	
Fourth Quarter	<p>SNC notification for late reporting – Water Balance Data Form, 38 days – was issued 02/16/2016 and will be published in the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Abrazo Maryvale Campus
Process Flow: 15,621 GPD (Average)

General Information and type of wastewater treatment	<p>This is a full service hospital licensed for 248 beds. The facility provides community patient health care including emergency services, surgical operations, laboratory processes, dry (digital) x-ray services, general patient healthcare and onsite food services. The only pretreatment devices are the lime-acid neutralization canisters under the sinks in the laboratory, the grease traps in the food preparation areas and the lift station in the boiler room.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 07/01/2015, a revised permit was issued because Maryvale Hospital and Medical Center changed its name to Abrazo Maryvale Campus.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Abrazo Scottsdale Campus

Process Flow: 27,818 (GPD) Average

General Information and type of wastewater treatment
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The facility is a community hospital.

Pretreatment consists of a 3,000-gallon three compartment grease interceptor for the kitchen and implementation of BMPS in key areas of the hospital.

First Quarter

On 02/12/2015, an NOV was issued for submitting a late Temporary Increase in Self-Monitoring (TISM) which was due on 12/17/2014. The TISM was received on 01/29/2015; 42 days late. All the requirements of the NOV were met as of 03/02/2015.

On 03/04/2015, an NOV was issued for submitting a late TISM which was due on 12/09/2015. The TISM was received on 01/29/2015; 51 days late. All the requirements of the NOV were met as of 03/02/2015.

On 03/11/2015 a Show Cause Hearing was conducted to settle violations occurring during the enforcement period 10/1/2014 through 12/31/2014 which included monetary penalties of \$4,561.00 and a compliance schedule. Monetary penalties have been collected and the requirements of the compliance schedule are being met.

The IU was found to be in Significant Non-Compliance status for the 4th Quarter of 2014 for submitting two reports 30 days or more past the due date. SNC notifications were sent on 02/12/2015 and 03/04/2015. The IU was published in the Arizona Republic Newspaper for 2014 SNC on 03/17/2015. The IU has returned to compliance.

On 03/18/2015 the facility abandoned a 350-gallon grease interceptor and installed a 3,000-gallon, 3-compartment grease interceptor and connected all grease-bearing hospital kitchen drains to it.

Second Quarter

A PSA was finalized on 06/27/2015 after a public comment period started 05/01/2015 and ended 06/01/2015. The PSA required the hospital to:

1. Attend and complete the six part Water Services Department, Environmental Services Division Industrial Pretreatment Compliance Academy series of courses within two years of the date of the PSA for the Facilities Manager and Facilities Coordinator, and within three years of the date of this Agreement for the Associate Administrator.
2. Pay a Civil Penalty in the amount of \$4,561.00.
3. Pay the fee for public notice newspaper publication.

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 4,561.00 Collected \$ 4,561.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Allied Tube & Conduit Corporation

Process Flow: 2,547 (GPD) Average

General Information and type of wastewater treatment	<p>Allied Tube & Conduit Corporation (Allied Tube) manufactures mechanical tubing, fire sprinkler pipe, electrical conduit, as well as struts, piping and tubing used in construction and other industries. The products may be galvanized or uncoated.</p> <p>The pretreatment system consists of a series of tanks (or stages) wherein chemicals are added to the wastewater to cause precipitation, flocculation, coagulation, clarification, and pH adjustment. After pH adjustment, the wastewater is routed through a filter press to capture solids, then to the final holding tank before discharge to the sanitary sewer system via the compliance sampling point.</p> <p>The pretreatment protocol is to perform quality in-house assurance tests of the pretreatment system at two points upstream of the compliance sampling point. Allied Tube operates a batch-discharge-system which, in conjunction with the two-point quality assurance protocol performed on each batch, minimizes the probability of an exceedance.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Alco Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 4704 West Camelback Road Phoenix, Arizona 85031		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 11/29/2010 09/30/2015	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 12/10/2010		PERMIT EXPIRES: AE	
SAMPLING LOCATION VERIFIED ON: 07/09/2015		RCRA NOTICE: 12/10/2010		
SLUG CONTROL PLAN EVALUATION DATE: 11/03/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	1	1
Number of City Sampling Days	4	3	4	0
Number of IU Sampling Days	6	8	7	6
Number of Parameter Violations	0	0	0	2
Number of Inspection Violations	0	1	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	I	I	I
Evaluated as of:	05/21/2015	07/24/2015	11/09/2015	02/01/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2 nd	Inspection	06/22/2015	N/A	N/A	N/A	Failure to install pH probe and monitor pH continuously		
4 th	Instantaneous	12/09/2015	Grab	City	IU	pH	10.58/10.5 SU	Continuous
4 th	Instantaneous	12/28/2015	Grab	City	IU	pH	10.7/10.5 SU	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A(2)		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: AlSCO Inc
 Process Flow: 54,403 GPD (Average)

General Information and type of wastewater treatment	<p>This facility is an industrial laundry service provider without any dry cleaning operations. Wastewater treatment consists of stream segregation, screening, pH neutralization, physical separation, and sedimentation.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 07/09/2015, the City became aware of an inspection requirement violation that occurred on 06/22/2015. The pH probe was not installed within the compliance sampling point and pH was not continuously monitored by the required 06/22/2015 deadline. An NOV was issued on 10/06/2015. On 10/30/2015 AlSCO provided an insufficient response to the NOV. The City notified AlSCO on 11/09/2015 to make corrections to the response. On 11/19/2015 AlSCO provided another insufficient response to the NOV. The City notified AlSCO on 11/23/2015 to make corrections to the response. On 11/30/2015 AlSCO provided sufficient response to NOV and satisfied requirements of the NOV.</p> <p>On 12/10/2015 the City became aware of a pH exceedance that occurred on 12/09/2015. An NOV was issued on 12/30/2015. Additional sampling was not required because AlSCO performs continuous monitoring; an unannounced inspection will be performed to meet the requirement. Completion of the NOV requirements is pending.</p> <p>On 12/29/2015 the City became aware of a pH exceedance that occurred on 12/28/2015. An NOV was issued on 01/04/2016. Additional sampling was not required because AlSCO performs continuous monitoring; an unannounced inspection will be performed to meet the requirement. Completion of the NOV requirements is pending.</p> <p>Four pH waivers were issued for pH excursions that occurred on 10/21/2015, 11/6/2015, 11/19/2015 and 11/23/2015 through 11/24/2015. The maximum values and times out of compliance were, respectively, 11.16 and 40 minutes; 12.04 and 31 minutes; 11.05 and 31 minutes; and 11.4 and 31 minutes.</p> <p>Until the renewed permit is issued in the 1st Quarter of 2016, the current permit is administratively continued.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: AmeriPride Services, Inc.

Process Flow: 88,464 (GPD) Average

General Information and type of wastewater treatment	This facility is an industrial laundry. The facility launders uniforms, linens, shop towels and various textiles. Wastewater treatment consists of coagulant/polymer addition, mixing, flocculation, settling, filter press (solids separation/disposal), and pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Angelica Corporation
Process Flow: 107584 (GPD) Average

General Information and type of wastewater treatment	
<p>Angelica Corporation is an industrial laundry that supplies clean linens and garments to hospitals, restaurants and the hospitality industry.</p> <p>The pretreatment system has a series of three points, each with an associated monitoring probe and injection pump, where the pH of the wastestream is monitored. The three monitoring points have different set points. The monitoring points are designated M1, M2 and M3 with corresponding set points approximately 10.0-SU, 9.7-SU and 9.0-SU. They are arranged where M1 with set point 10.0-SU is furthest from the discharge point and M3 with set point 9-SU is closest to the discharge point.</p>	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: APS West Phoenix Power Plant

Process Flow: 96, 101 (GPD) Average

General Information and type of wastewater treatment

APS-West Phoenix Power Plant operates a natural gas-fueled steam electric power plant which is considered a peaking facility based on system demand for electricity. Discharge to City of Phoenix Sanitary Sewer is limited to the blowdown from cooling towers 1-2-3 and 4. There is no pretreatment of cooling tower blowdown wastewater prior to discharge; however, there is water treatment including pH neutralization of the cooling tower basin water as it circulates.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Aramark Uniform and Career Apparel, Inc.				REPORT PERIOD: 01/01/2015 through 12/31/2015				
SERVICE ADDRESS: 3836 West Buckeye Road, Bldg F Phoenix, AZ 85009-5421				MAILING ADDRESS: Same				
CATEGORICAL USER? No		40 CFR Local limits		LIMITS APPENDIX: A		BMR SUBMITTED: 02/28/1990		
TTO CERTIFICATION DATE SUBMITTED: N/A				PERMIT EFFECTIVE: 10/01/2011		PERMIT EXPIRES: 09/30/2016		
SAMPLING LOCATION VERIFIED ON: 10/09/2015				RCRA NOTICE: 02/28/1990				
SLUG CONTROL PLAN EVALUATION DATE: 10/09/2015								
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0		0		1		0	
Number of City Sampling Days	4		2		3		3	
Number of IU Sampling Days	3		3		3		3	
Number of Parameter Violations	0		0		0		0	
Number of Inspection Violations	0		0		0		0	
Number of Reporting Violations	0		0		0		0	
Number of Permit Cond. Violations	0		0		0		1	
Compliance Status	C		C		C		I	
Evaluated as of:	04/28/2015		07/22/2015		10/28/2015		02/03/2016	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
4th	Permit Conditions	10/2015	N/A	N/A	N/A	Failure to Measure Flow		
Enforcement Status			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Aramark Uniform and Career Apparel, Inc.

Process Flow: 73,158 GPD (Average)

General Information and type of wastewater treatment	This is a large industrial laundry. Wastewater treatment consists of pH neutralization and diffused air flotation
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>During the 10/09/2015 annual compliance inspection, staff discovered that there is no secondary flow measurement device (flow meter) installed at the primary flow measurement device (2 inch Parshall Flume) for Aramark Uniform Service. Instead, flows have been estimated by subtracting the water used in process from incoming water meter readings.</p> <p>An NOV will be issued to Aramark Uniform Service during the first quarter of 2016 for failure to meet method criteria for flow measurement (not measuring flow).</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Foods Group, Inc.
 Process Flow: 44,362 (GPD) Average

General Information and type of wastewater treatment	This facility is a dairy and non-dairy manufacturer of half and half, smoothie mixes, frozen yogurt, non-dairy toppings and dessert mixes. Sodium Hydroxide or Sulfuric Acid is used to neutralize the process wastes that are pumped into the pH neutralization tank before the waste is discharged to the flume. There is a 3 stage 1800 gallon oil/grease interceptor installed upstream of the compliance sampling point 5325.02.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? X Yes No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Fueling Facility Corporation

Process Flow: 0 (GPD) Average

General Information and type of wastewater treatment	<p>Arizona Fueling Facilities Corporation (AFFC) was formed in 1979 to manage the fuel storage and distribution system at Phoenix Sky Harbor International Airport. AFFC currently owns a storage facility and pipeline connected to a tank farm and hydrant system at the airport terminals under a long-term lease agreement with the airport. The permitted AFFC facility consists of two groundwater remediation sites. No manufacturing processes exist and no chemicals are stored on site. The groundwater remediation wells began operations on August 26, 2001 to clean up Jet-A fuel groundwater contamination at the Sky Harbor Airport.</p> <p>All pumping operations ceased on August 31, 2005 after the pumping had lowered the water table level to such an extent that the gel-like Jet-A fuel, which had been floating on the water, had adhered to the soil above the water. The pipes, which once connected the sites to the sanitary sewer system, were severed and capped. Since August 31, 2005 the remediation activities have been restricted to biological only (bacteria that feeds on the Jet-A fuel) with no discharge to the City sewer. AFFC wishes to maintain the Wastewater Discharge Permit as an option in the event that the water table level rises to such an extent that it reaches the contamination.</p> <p>The current Wastewater Discharge Permit stipulates that AFFC must notify the City of Phoenix at least 90-days prior to resuming operations that would result in a discharge to the sanitary sewer system. AFFC is required to file a monthly Self-Monitoring Report; a zero discharge certification statement each month that no discharge occurs. Since AFFC has not discharged in more than six years, no City or IU sampling has been performed in that time.</p>
First Quarter	<p>Zero wastewater was discharged during this quarter.</p>
Second Quarter	<p>Zero wastewater was discharged during this quarter.</p>
Third Quarter	<p>Zero wastewater was discharged during this quarter.</p>
Fourth Quarter	<p>Zero wastewater was discharged during this quarter.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

For the Year Ending December 31, 2015

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Precision Sheet Metal, Inc. (dba APSM Systems)
 Process Flow: 2,179 (GPD) Average

General Information and type of wastewater treatment	<p>APSM Systems manufactures sheet metal enclosures for electric panel boxes, electric switchgear, slot machines, and also assembles printed circuit boards. The facility has three process areas; the chromate conversion coating process line (called the ChemLine) is one of the six core metal finishing processes. The other two process lines perform processes which are "ancillary" to the metal finishing category.</p> <p>The pretreatment system consists of a series of tanks (or stages) wherein chemicals are added to the wastewater to cause precipitation, flocculation, coagulation, clarification, and pH adjustment. The system "batch discharges" via the compliance sampling point (a V-Notch Weir).</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>Permit 1001-5309 which expired on 12/31/2014 has been administratively extended due to IPP staffing changes which contributed to delay to permit renewal.. The permit is currently being reviewed and will be renewed during the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: ASM America, Inc. University Drive Plant

Process Flow: 71,408 (GPD) Average

General Information and type of wastewater treatment

ASM America, Inc. University Drive Plant (ASM) designs and builds machines (tools) used to manufacture semiconductors. ASM receives specifications for a layer of a wafer from a semiconductor manufacturer. ASM in turn designs a recipe for the manufacture of a wafer layer with the desired specifications. The recipe may consist of chemical constituents, temperature, pressure, deposition method and deposition rate. The recipe is tested and altered until the recipe is perfected. ASM "manufactures" semiconductors or rather layers of semiconductors but not finished semiconductor devices for production or sale.

ASM demonstrates the recipes and tools that it develops.

ASM utilizes pH neutralization for the pretreatment process. Regulated process flows are routed to a pH adjust tank (approximately 1,300 gallons). Doses of sodium hydroxide are fed/dispensed to the pH adjust tank from a 375 gallon tank to neutralize the wastewater before discharge to the sewer. The pH Monitoring/Adjust System is configured such that it has a "set point" to trigger a dose of sodium hydroxide to raise the pH of wastewater when needed. The system also has "alert points" that will cause an audible alarm if the pH of wastewater in the tank varies outside of a specified range.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Avanti Circuits, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 17650 North 25 th Avenue, Suite 5 Phoenix Arizona 85023-2115		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 10/27/1983	
TTO CERTIFICATION DATE SUBMITTED: 01/28/2016		PERMIT EFFECTIVE: 12/01/2014	PERMIT EXPIRES: 09/30/2019	
SAMPLING LOCATION VERIFIED ON: 05/20/2015		RCRA NOTICE: 12/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 06/16/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	0	0
Number of City Sampling Days	4	0	5	2
Number of IU Sampling Days	12	13	14	14
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	1	1	1	1
Compliance Status	I	I	I	I
Evaluated as of:	03/28/2015	07/16/2015	10/22/2015	02/10/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Permit Condition	01/03/15	N/A	N/A	N/A	Failure to Sample		
2 nd	Permit Condition	05/30/15	N/A	N/A	N/A	Failure to Sample		
3 rd	Permit Condition	08/01/15	N/A	N/A	N/A	Failure to Sample		
4 th	Permit Condition	10/31/15	N/A	N/A	N/A	Failure to Sample		
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Avanti Circuits, Inc.

Process Flow: 19,572 (GPD) Average

General Information and type of wastewater treatment	<p>The facility manufactures printed circuits boards. Wastewater treatment consists of: stream segregation, ion exchange, metals precipitation, flocculation, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 02/10/2016, the City became aware of four Permit Conditions violations. The IU failed to sample pH weekly as required in the first week of 01/2015, the last week of 05/2015, the first week of 08/2015, and the last week of 10/2015. NOV's will be issued in the 1st Quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Baker Commodities, Inc. (Elwood)				REPORT PERIOD: 01/01/2015 through 12/31/2015				
SERVICE ADDRESS: 3602 West Elwood Street Phoenix, Arizona 85009-6737				MAILING ADDRESS: Same				
CATEGORICAL USER? No		40 CFR Local Limits		LIMITS APPENDIX: A		BMR SUBMITTED: 03/20/1998		
TTO CERTIFICATION DATE SUBMITTED: NA				PERMIT EFFECTIVE: 01/01/2013		PERMIT EXPIRES: 12/31/2017		
SAMPLING LOCATION VERIFIED ON: 06/10/2015				RCRA NOTICE: 03/20/1998				
SLUG CONTROL PLAN EVALUATION DATE: 06/10/2015								
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0		1		0		0	
Number of City Sampling Days	3		5		2		0	
Number of IU Sampling Days	1		1		1		1	
Number of Parameter Violations	0		1		0		0	
Number of Inspection Violations	0		0		0		0	
Number of Reporting Violations	0		0		0		0	
Number of Permit Cond. Violations	0		0		0		0	
Compliance Status	C		I		C		C	
Evaluated as of:	04/23/2015		07/24/2015		10/26/2015		01/25/2016	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2 nd	Effluent	06/22/2015	Grab	City	City	pH	4.5 S.U./5.0 S.U	15
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	A,L	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Baker Commodities, Inc. (Elwood)

Process Flow: 113,481 (GPD) Average

General Information and type of wastewater treatment	<p>The facility renders animal fat from dead animals and separates grease from wastewater for reuse in animal feed. The wastewater treatment consists of stream segregation, emulsion breaking, pH neutralization, physical separation, and sedimentation.</p>
First Quarter	
Second Quarter	<p>On 06/22/2015 the City became aware of a daily pH exceedance. A TISM was issued on 06/30/2015. The IU met all requirements.</p>
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Banner Estrella Medical Center

Process Flow: 101,235 (GPD) Average

General Information and type of wastewater treatment	This facility conducts normal hospital operations. Wastewater treatment consists of stream segregation and physical separation.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	A renewed permit was issued 01/08/2016 and became effective 02/01/2016.

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Banner Good Samaritan Medical Center				REPORT PERIOD: 01/01/2015 through 12/31/2015				
SERVICE ADDRESS: 1111 East McDowell Road Phoenix, Arizona 85006				MAILING ADDRESS: 1021 East Willetta Street Phoenix Arizona 85006-2770				
CATEGORICAL USER?	No	40 CFR	Local Limits	LIMITS APPENDIX:	A	BMR SUBMITTED:	12/28/1990	
TTO CERTIFICATION DATE SUBMITTED:				N/A		PERMIT EFFECTIVE:	11/10/2014	
PERMIT EXPIRES:				10/31/2019				
SAMPLING LOCATION VERIFIED ON:				05/07/2015 05/11/2015				
RCRA NOTICE:				12/28/1990				
SLUG CONTROL PLAN EVALUATION DATE:				06/03/2015				
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0		1		0		0	
Number of City Sampling Days	4		3		4		1	
Number of IU Sampling Days	2		4		4		4	
Number of Parameter Violations	0		0		1		0	
Number of Inspection Violations	0		0		0		0	
Number of Reporting Violations	0		1		1		0	
Number of Permit Cond. Violations	1		0		1		0	
Compliance Status	I		I		I		C	
Evaluated as of:	02/18/2016		02/18/2016		02/18/2016		02/18/2016	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Permit Condition	03/11/2015	N/A	N/A	N/A	PCC 28-8(c)	Discharge of Solid Pollutants	N/A
2 nd	Reporting	04/07/2015	N/A	N/A	N/A	BMP Commitment	20 Days Late	N/A
3 rd	Instantaneous	07/20/2015	Grab	Federal & City	IU	pH	4.8/5.0 SU	21
3 rd	Reporting	07/22/2015	N/A	N/A	N/A	24-Hour Notification		N/A
3 rd	Permit Condition	07/31/2015	N/A	N/A	N/A	Failure to Sample		N/A
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Enforcement Status	A		N		A (3), L		N	

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N - No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Banner Good Samaritan Medical Center

Process Flow: 124,586(GPD) Average

General Information and type of wastewater treatment	<p>Banner Good Samaritan Medical Center (Banner) is a Level One trauma hospital that provides emergency services and advanced heart and cardiovascular care. Services include: the Cavanagh Heart Center, Stroke Center and the Transplant Services Team. Banner is known for its success in handling high-risk obstetrics.</p> <p>Banner is a teaching hospital.</p> <p>The wastewater treatment consists of wastestream segregation and physical separation.</p>
First Quarter	<p>During an inspection on 03/11/2015, City of Phoenix staff observed that the IU failed to limit the discharge of solid or viscous pollutants, fats, oils, and grease (FOG) into the City of Phoenix sanitary sewer system (City Sewer); a violation of Phoenix City Code 28-8(c), and Title 40 Code of Federal Regulations Part 403.5(b)(3). An NOV was issued on 03/24/2015, which required the facility to immediately cease the discharge practice, implement Kitchen Best Management Practices (BMPs), submit a letter stating commitment to the implemented BMPs, and to submit an NOV Response Report detailing the IU's investigation of the violation with corrective actions due 04/06/2015. A letter committing to implementation of Kitchen BMPs commitment was received on 04/27/2015, 20 days late. The facility will be issued an NOV for the late reporting violation during the first quarter of 2016.</p>
Second Quarter	
Third Quarter	<p>On 07/22/2015, the City became aware of an instantaneous pH excursion that occurred on 07/20/2015. An NOV, 30-Day Resample, and TISM were issued on 09/18/2015. The IU met all requirements.</p> <p>On 07/22/2015, the City became aware of Late 24-Hour Notification Report for the pH excursion. An NOV was issued on 09/18/2015. The IU met all requirements.</p> <p>On 08/18/2015, the City became aware of a Failure to Sample pH to fulfill the July 2015 Self-Monitoring permit requirements. An NOV was issued on 09/21/2015. The IU met all requirements.</p>
Fourth Quarter	<p>A letter committing to implementation of Kitchen BMPs commitment was received on 04/27/2015, 20 days late. The facility will be issued an NOV for the late reporting violation during the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Barrel O' Fun Snack Foods Southwest, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 7330 West Sherman Street Phoenix Arizona 85043-4751		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 11/06/2009	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 10/01/2015	PERMIT EXPIRES: 09/30/2020	
SAMPLING LOCATION VERIFIED ON: 09/15/2015		RCRA NOTICE: 12/01/2009		
SLUG CONTROL PLAN EVALUATION DATE: 10/05/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	1	1
Number of City Sampling Days	4	2	5	1
Number of IU Sampling Days	1	1	1	1
Number of Parameter Violations	1	3	2	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	1	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	S	I	I	C
Evaluated as of:	04/26/2015	07/28/2015	10/23/2015	02/10/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Instantaneous	03/16/2015	Grab	City	IU	pH	11.1/10.5 SU	Continuous
1 st	Reporting	03/29/2015	N/A	N/A	N/A	SMR 32-Days Late		
2 nd	Instantaneous	04/06/2015	Grab	City	IU	pH	4.4/5.0 SU	Continuous
2 nd	Instantaneous	04/13/2015	Grab	City	IU	pH	4.7/5.0 SU	Continuous
2 nd	Instantaneous	06/02/2015	Grab	City	IU	pH	11.08/10.5 SU	Continuous
3 rd	Instantaneous	07/30/2015	Grab	City	IU	pH	10.61/10.5 SU	Continuous
3 rd	Instantaneous	09/02/2015	Grab	City	IU	pH	4.07/5.0 SU	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	A(4)	A(3)	N		

Enforcement Status Codes

A - Notice of Violation (NOV)	F - Assessment of Monetary Penalties	K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year
B - Administrative Order (AO)	G - Restriction of Flow	L - Temporary Increase in IU Self-Monitoring (TISM)
C - Civil Action Filed	H - Permit Revocation	
D - Criminal Action Filed	I - Compliance Schedule Issued	
E - Pretreatment Settlement Agreement (PSA)	J - Disconnection from Sewer	N- No Enforcement Action

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Barrel O' Fun Snack Foods Southwest, Inc.

Process Flow: 160,454 (GPD) Average

General Information and type of wastewater treatment	<p>This facility manufactures potato chips, kettle corn, popcorn, carmel corn, kettle corn, and cheese puff snacks.</p> <p>The wastewater treatment consists of equalization, pH adjustment, coagulation, floatation, physical separation, and solids dewatering.</p>
First Quarter	<p>The IU was published in the Arizona Republic Newspaper for 2014 SNC on 03/17/2015. The IU has not yet returned to compliance.</p>
Second Quarter	<p>On 03/17/2015 the City became aware of a pH exceedance violation that occurred on 03/16/2015. An NOV was issued on 04/08/2015. IU met all requirements as of 04/22/2015.</p> <p>On 04/28/2015 the City became aware of a reporting violation that occurred on 03/29/2015. The 02/2015 SMR did not contain results of quarterly compliance samples; results were received on 04/29/2015 (32 days late). An NOV was issued on 04/30/2015. Following submittal of the sampling results, the IU met all requirements as of 06/16/2015.</p> <p>On 04/06/2015 the City became aware of a pH exceedance violation that occurred on 04/06/2015. An NOV was issued on 04/08/2015. IU met all requirements as of 04/22/2015.</p> <p>On 04/14/2015 the City became aware of a pH exceedance violation that occurred on 04/13/2015. An NOV was issued on 04/21/2015. IU met all requirements as of 05/05/2015.</p>
Third Quarter	<p>On 06/03/2015 the City became aware of a pH exceedance violation that occurred on 06/02/2015. An NOV was issued on 08/21/2015. IU met all requirements as of 09/21/2015.</p> <p>On 07/31/2015 the City became aware of a pH exceedance violation that occurred on 07/30/2015. An NOV was issued on 08/21/2015. IU met all requirements as of 09/21/2015.</p> <p>On 09/02/2015 the City became aware of a pH exceedance violation that occurred on 09/02/2015. An NOV was issued on 09/10/2015. IU met all requirements as of 10/06/2015.</p>
Fourth Quarter	<p>Due to a change in staff, the IU will not be notified of 1st Quarter of 2015 Significant Non-Compliance (SNC) until the 1st Quarter of 2016 for submitting a report 30 days of more past the due date; SMR quarterly sampling results for 02/2015 were submitted 32 days late.</p> <p>A Notice to Show Cause will be issued in the 1st Quarter of 2016 as a result of SNC due to late reporting in the 1st Quarter of 2015 and four pH violations that occurred within a 90 day period.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: BioTech Research Labs, Inc.				REPORT PERIOD: 01/01/2015 through 12/31/2015			
SERVICE ADDRESS: 3809 East Watkins Street Phoenix, Arizona 85034-7264				MAILING ADDRESS: Same			
CATEGORICAL USER?	Yes	40 CFR	439.47	LIMITS APPENDIX:	M	BMR SUBMITTED:	04/14/2011
TTO CERTIFICATION DATE SUBMITTED: N/A				PERMIT EFFECTIVE: 12/01/2012		PERMIT EXPIRES: 12/31/2016	
SAMPLING LOCATION VERIFIED ON: 07/17/2015				RCRA NOTICE: 01/03/2012			
SLUG CONTROL PLAN EVALUATION DATE: 07/17/2015							
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0		0		1		0
Number of City Sampling Days	3		2		0		3
Number of IU Sampling Days	1		1		2		2
Number of Parameter Violations	0		2		0		1
Number of Inspection Violations	0		0		0		0
Number of Reporting Violations	0		1		0		1
Number of Permit Cond. Violations	0		0		0		0
Compliance Status	C		I		C		I
Evaluated as of:	04/22/2015		07/20/2015		10/26/2015		01/28/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter	
2 nd	Effluent	04/30/2015	Grab	City	IU	pH	4.70 S.U./5.0 S.U.	Continuous	
2 nd	Reporting	05/02/2015	N/A	N/A	N/A	24 Hour Notification			
2 nd	Effluent	05/29/2015	Grab	City	IU	pH	3.14 S.U./5.0 S.U.	Continuous	
4 th	Effluent	10/16/2015	Grab	City	IU	pH	3.63 S.U./5.0 S.U.	Continuous	
4 th	Reporting	11/29/2015	N/A	N/A	N/A	SMR 2-days Late			
			1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)
Enforcement Status			N		A (3)		N		A

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: BioTech Research Labs, Inc.

Process Flow: 13,487 (GPD) Average

General Information and type of wastewater treatment	<p>This facility mixes, compounds, and formulates shampoos, hand creams, and face washes. This facility manufactures products containing FDA active ingredients resulting in categorization under 40 CFR 439.47 Pharmaceutical Manufacturing. The wastewater treatment consists of pH neutralization and settling through a 3000 gallon interceptor.</p> <p>BioTech ceased process discharge during the 4th quarter of 2015. This facility will be re-locating to the East Coast by the beginning of the 2nd quarter of 2016.</p>
First Quarter	
Second Quarter	<p>On 06/05/2015, an NOV was issued for submitting a late 24 hour notification report which was due on 05/01/2015. On 04/30/2015 BioTech exceeded the allowable limit for pH. The 24 hour notification report was due to ESD by 05/01/2015. The 24 hour notification report was received on 05/27/2015; 26 days late. All requirements of the NOV were met.</p> <p>On 06/29/2015 an NOV was issued for a daily pH exceedance that occurred on 04/30/2015. All requirements for the NOV were met.</p> <p>On 06/29/2015 an NOV was issued for a daily pH exceedance that occurred on 05/29/2015. All requirements for the NOV were met.</p>
Third Quarter	<p>On 09/14/2015, BioTech attended a Compliance Review Meeting to discuss the circumstances surrounding the effluent and reporting violations that occurred during the 2nd quarter of 2015.</p>
Fourth Quarter	<p>On 12/21/2015, an NOV was issued for submitting a late self-monitoring report which was due on 11/28/2015. The SMR was received on 11/30/2015; 2 days late. All requirements of the NOV were met.</p> <p>A daily pH exceedance occurred on 10/16/2015. The NOV was mailed during the first quarter of 2016. A Show Cause Hearing will also be scheduled during the second quarter of 2016 to settle 2015 violations.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Café Valley Bakery, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 7000 W. Buckeye Rd. Phoenix, AZ 85043-4306		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local limits	LIMITS APPENDIX: A	BMR SUBMITTED: 02/06/2013	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 03/01/2013		PERMIT EXPIRES: 02/28/2018	
SAMPLING LOCATION VERIFIED ON: 04/09/2015		RCRA NOTICE: 02/28/2013		
SLUG CONTROL PLAN EVALUATION DATE: 04/08/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	1	0
Number of City Sampling Days	3	3	2	1
Number of IU Sampling Days	4	3	3	3
Number of Parameter Violations	0	0	0	3
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	1	0
Compliance Status	C	C	I	I
Evaluated as of:	04/30/2015	08/06/2015	10/27/2015	02/04/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3 rd	Permit Conditions	03/04/2014 through 08/06/2015	N/A	N/A	N/A	Failure to continuously measure pH		
4 th	Instantaneous	11/20/2015	Grab	City	IU	pH	4.1/5.0 SU	Continuous
4 th	Instantaneous	11/23/2015	Grab	City	IU	pH	4.6/5.0 SU	Continuous
4 th	Instantaneous	11/27/2015	Grab	City	IU	pH	4.9/5.0 SU	Continuous
		1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)			
Enforcement Status		N	N	A	N			

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Café Valley Bakery, Inc.

Process Flow: 22,768 (GPD) Average

General Information and type of wastewater treatment	<p>The facility receives raw bulk ingredients and mixes, bakes, packages and delivers bakery products to customers. The clean-in-place system used to clean some piping and mixing vats generates wastewater as a batch discharge whenever it is used.</p> <p>Café Valley uses a 3,200 gallon, 3 compartment underground oil and solids interceptor to remove solids from the effluent from this facility. This interceptor discharges to a 7,500 gallon flow equalization tank. The 7,500 gallon flow equalization tank discharges to a pH adjustment system. The pH adjustment system consists of the 7500 gallon flow equalization tank, a sodium hydroxide injection system, a sulfuric acid injection system, a mechanical mixing tank, and a continuous pH monitor.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>During a demand inspection conducted on 07/27/2015, City staff discovered that the pH probe mount location(s) in the compliance sampling point for Café Valley, Inc did not meet the method criteria for pH continuous monitoring (probes not centrally located in the middle of the flume flow channel), nullifying all pH results submitted during the period 03/04/2014 through 08/07/2015.</p> <p>City staff conducted a Compliance Review Meeting with the IU on 08/06/2015 to clarify compliance and monitoring requirements. During this meeting, the IU was issued an NOV for failure to continuously measure pH, a violation of permit conditions.</p> <p>An acceptable NOV response report was submitted on 08/06/2015; all conditions of the NOV were met before 08/24/2015.</p>
Fourth Quarter	<p>Café Valley staff notified City staff of suspected pH violation for 11/27/2015 during continuous pH monitoring which measured 4.9 SU for 30 minutes. During review of continuous pH monitoring data during 01/2016, City staff discovered two additional pH violations which also occurred during 11/2015. On 11/20/2015, continuous pH monitoring results show a pH of 4.1 SU for 6 minutes. On 11/23/2015 continuous pH monitoring results show a pH of 4.6 SU for 40 minutes. An NOV for these violations will be issued during the first quarter of 2016.</p> <p>A Show Cause Hearing to settle violations for 2013-2015 will be conducted in the second quarter of 2016. Changes in IPP staff and continued difficulty troubleshooting of the pH neutralization system at Café Valley have contributed to delays in enforcement.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Carl T. Hayden Medical Center			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 650 East Indian School Road Phoenix, Arizona 85012-1839		MAILING ADDRESS: Same		
CATEGORICAL USER?	NO	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: N/A
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 08/01/2015		PERMIT EXPIRES: 12/31/2016
SAMPLING LOCATION VERIFIED ON: 11/05/2015		RCRA NOTICE: 12/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 11/05/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	4	0	0	7
Number of IU Sampling Days	4	6	3	3
Number of Parameter Violations	1	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	2	1	0
Number of Permit Cond. Violations	0	0	1	0
Compliance Status	I	I	I	C
Evaluated as of:	05/18/2015	07/20/2015	10/22/2015	02/08/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Effluent	02/12/2015	Composite	City	IU	Copper	1.71/1.5 mg/L	6
2 nd	Reporting	04/07/2015	N/A	N/A	N/A	Late Water Balance		
2 nd	Reporting	05/30/2015	N/A	N/A	N/A	Late Response to NOV		
3 rd	Permit Condition	09/24/2015	N/A	N/A	N/A	Monitoring of flows at each compliance sampling point		
3 rd	Reporting	09/24/2015	N/A	N/A	N/A	Flow weighted average requirements		
		1st Quarter (Jan 1 – Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 – Sep 30)		4th Quarter (Oct 1 - Dec 31)
Enforcement Status		A, L		A, E		A		N

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Carl T. Hayden Medical Center

Process Flow: 142,192 GPD (Average)

General Information and type of wastewater treatment	<p>The facility conducts normal hospital operations. The wastewater treatment consists of stream segregation and physical separation.</p>
First Quarter	<p>On 03/10/2015, an NOV and a TISM were issued for exceedance of the daily maximum limit for Copper (Cu) that occurred during a self-monitoring sampling event on 01/22/2015. The City became aware of the violation 02/12/2015, and the violation was reported by Carl T. Hayden on 02/12/2015 after receipt of analytical results. The requirements of the NOV and TISM were met.</p>
Second Quarter	<p>On 04/28/2015, an NOV was issued for late reporting of the water balance diagram that was due on 04/01/2015. The City became aware of the violation on 04/02/2015. The Excel file was received on 04/06/2015 and the hard copy was received on 04/02/2015; respectively 5 days late and 1 day late. All NOV requirements were met.</p>
Third Quarter	<p>On 07/08/2015, an NOV was issued for late reporting due to a late NOV response that was due on 05/29/2015. The City became aware of the violation on 06/01/2015. The NOV response report was received 07/24/2014. All NOV requirements were met.</p> <p>On 07/30/2015, a revised permit was issued following the permit appeal. On 01/30/2015, the Water Services Director granted the hospital's appeal requesting revision of the permit with regard to flow weighted averages for select metals; however, the violations and enforcement actions remain in effect because the hospital was in violation of the permit in effect at the time of the violations. A PSA was reached on 06/22/2015 after a public comment period started 04/23/2015 and ended 05/26/2015. The PSA required the hospital to:</p> <ol style="list-style-type: none"> 1. Install cathodic protection for piping of dissimilar metals throughout Building 21 (a) to reduce or eliminate pipe corrosion, (b) as a pollution prevention measure, and (c) to reduce the amount of copper and zinc leached from pipes and subsequently discharged into the City of Phoenix sanitary sewer; 2. Prepare a written procedure identifying the steps, processes, chain of command, redundancy of responsibilities, and control measures it will utilize to ensure compliance with reporting requirements; 3. Modify content of the written training module delivered to the construction project coordinators and contractors working at the facility to include (a) information regarding prohibited and allowable wastewater discharges, (b) requirements for project coordinators and contractors to notify the Green Environmental Management System (GEMS) Coordinator of activities having any potential to impact wastewater discharged from the hospital, and (c) logs of project coordinator and contractor training; and 4. Pay for a public notice newspaper publication fee.
Fourth Quarter	<p>On 01/05/2016, an NOV was issued for a permit condition violation that occurred on 09/24/2015. The City became aware of the violation of monitoring flows at each compliance sampling point on 09/24/2015. Completion of the NOV requirements is pending.</p> <p>On 01/05/2016, an NOV was issued for a reporting violation that occurred on 09/24/2015. The City became aware of the violation of flow weighted average (FWA) requirements on 09/24/2015. Completion of the NOV requirements is pending.</p> <p>A Compliance Review Meeting was held on 01/22/2016 in order to discuss several violations and the potential for more to occur. Staff met with three representatives from Carl T. Hayden to discuss the violations, flow meter status, FWA calculations, flow measurement requirements, and overall expectations of monthly Self-Monitoring Report (SMR) information and data. Corrective actions were issued as a result of the Compliance Review Meeting discussion.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Celgene Corporation
 Process Flow: 44,233 (GPD) Average

General Information and type of wastewater treatment	<p>Celgene Corporation operations involve the compounding, filling, labeling, packaging, warehousing and shipping of branded and generic sterile pharmaceutical injectables.</p> <p>Celgene Corporation has two process lines and two compliance sampling points; each line has a pH neutralization tank/station prior to the compliance sampling point.</p> <p>Pretreatment consists of waste stream segregation, physical separation and pH adjustment.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>Permit 1010-27278 which expired on 09/30/2015 has been administratively extended. The permit is currently being reviewed and will be renewed during the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Certified Inspection Service Company Inc.

Process Flow: 2,987 (GPD) Average

General Information and type of wastewater treatment	
This facility performs penetrant dye, magnetic particle, and x-ray inspections. This facility also performs aqueous cleaning, chemical film coating and passivation of machine parts for the aerospace industry. Wastewater pretreatment consists of electrolytic recovery and pH neutralization.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: ChemResearch Co., Inc.

Process Flow: 55,907 (GPD) Average

General Information and type of wastewater treatment	<p>ChemResearch Company, Inc., is a metal finisher that performs Type I chromic-acid anodizing, Type II and III sulfuric-acid anodizing, manganese and zinc phosphating, hard chrome, electroless nickel, nickel, silver, gold, copper, chem-film chromium conversion coating, passivation, zincate coating, aluminum coloring, grinding, painting, and non-destructive testing, caustic fume scrubber bleed-off, and laboratory operations.</p> <p>Cyanide-bearing wastewaters are treated through two-stage alkaline chlorination followed by a holding tank. Chromium-bearing wastewaters collect into equalization Tank 1 for pumped feed through two-stage chromium reduction. General wastewaters collect into equalization Tank 2 for pumped feed through two-stage metal precipitation, along with the pre-treated cyanide-bearing and chromium-bearing wastewaters, to a lift station. The treated wastewaters are pumped through chemical-aided Lamella clarification, final pH adjustment and discharge to the sewers. The cyanide destruction, chromium reduction, metals precipitation, and final pH adjustment steps are all outfitted with process monitoring meters for pH, ORP, or both. The precipitate solids removed by the Lamella clarifier are dewatered through sludge decanting and filter pressing. Nickel-bearing spents are batch treated for solids removal through the filter press. Chrome plating baths are treated by in-line ion exchange for reuse.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Chromalloy Arizona

Process Flow: 1,446 (GPD) Average

General Information and type of wastewater treatment	
<p>Processes consist of Platinum, Rhodium, and Nickel-plating operations associated with the thermal infusion coating process.</p> <p>Pretreatment processes include flocculation followed by pH adjustment to achieve precipitation of metals, followed by clarification and filtering before discharge. X-ray fixer is treated with an electrolytic silver recovery unit followed by a metal exchange filter to recover remaining silver.</p>	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Cintas Corporation

Process Flow: 63,596 (GPD) Average

General Information and type of wastewater treatment	
The facility is a commercial laundry. The wastewater treatment consists of a screen filter, three-compartment interceptor and pH adjustment.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Cleanpart Southwest LLC

Process Flow: 1,391 (GPD) Average

General Information and type of wastewater treatment	<p>CleanPart Southwest LLC cleans equipment used in the semiconductor manufacturing industry by removing deposited materials by abrasive blasting or chemically using acids or caustic solutions. The parts are then rinsed with D I water, dried with compressed air, and then blasted with CO2 ice particles. Finally, the parts are packaged for shipment in a clean room environment.</p> <p>The pretreatment system consists of a series of tanks (or stages) wherein chemicals are added to the wastewater to cause precipitation, flocculation, coagulation, clarification, and pH adjustment, then batch discharged via a spigot compliance sampling point.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Crothall Laundry Services Inc. – The Commercial Linen Exchange			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 4445 South 36 th Street Phoenix, Arizona 85040			MAILING ADDRESS: Same	
CATEGORICAL USER?	No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 03/28/2014
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 04/01/2014		PERMIT EXPIRES: 03/31/2019
SAMPLING LOCATION VERIFIED ON: 10/16/2015		RCRA NOTICE: 04/02/2014		
SLUG CONTROL PLAN EVALUATION DATE: 10/16/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	6	4	3	3
Number of IU Sampling Days	1	1	1	1
Number of Parameter Violations	1	0	0	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	1	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	C	C	I
Evaluated as of:	04/27/2015	07/23/2015	10/22/2015	01/21/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Effluent	02/04/2015	Grab	City and Federal	IU	pH	1.57	8
1 st	Reporting	02/24/2015	NA	NA	NA	Late TISM Report		
4 th	Effluent	11/23/2015	Grab	City	IU	pH	10.93	8
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A(2),L	N	N	A,L		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Crothall Laundry Services Inc.- The Commercial Linen Exchange

Process Flow: 150,636 (GPD) Average

General Information and type of wastewater treatment	<p>This facility is an industrial laundry which launders hospital linens, uniforms and floor mops; operations exclude dry cleaning processes. Wastewater treatment consists of pH neutralization.</p>
First Quarter	<p>On 02/05/2015 an NOV and TISM were issued for a self-monitoring pH violation. The IU met all of the requirements with the exception of a late TISM.</p> <p>On 02/25/2015 an NOV was issued for submitting a late TISM report, due 02/23/2015. All requirements of the NOV were met.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 11/30/2015 an NOV and TISM were issued for a self-monitoring pH violation. The IU met all of the requirements.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Dignity Health - St. Joseph's Hospital & Medical Center

Process Flow: 67,589 (GPD) Average

General Information and type of wastewater treatment	<p>This facility is a large full service hospital and neurological research center.</p> <p>Wastewater treatment consists of physical separation and stream segregation.</p>
First Quarter	
Second Quarter	<p>On 04/23/2015, City staff met with designers, construction contractors, and representatives from the facility to discuss feasibility of upgrading pretreatment devices for the hospital kitchen. City and Dignity Health agreed to a full engineering study which was received on 07/27/2015. The facility proposed installation of a 4,500 gallon, traditional concrete interceptor and flume in the parking lot along Thomas Road, next to the old main entrance (currently the OB entry). Kitchen fixtures would be re-routed south, to a new gravity interceptor. Installation of a new compliance sampling point would also be required.</p>
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: District Photo, Inc.

Process Flow: 6165 GPD

General Information and type of wastewater treatment	<p>This facility produces photographic prints from digital images: 5333sq/ft of paper per hour and digital printing – 5 million sheets per year. Pretreatment consists of silver recovery and pH neutralization discharged in batches.</p>
First Quarter	<p>On 02/03/2015 the City became aware of a daily Silver exceedance that occurred on 12/30/2014. The IU discharged wastewater having a silver concentration of 7.03 mg/L; whereas the daily maximum limit is 1.2 mg/L. An NOV and TISM were issued on 02/03/2015. The IU met all requirements.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: DS Services of America, Inc.			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 3302 West Earll Drive Phoenix, Arizona 85017-5242			MAILING ADDRESS: Same	
CATEGORICAL USER?	No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 07/01/1992
TTO CERTIFICATION DATE SUBMITTED: NA			PERMIT EFFECTIVE: 10/05/2015	PERMIT EXPIRES: 06/30/2019
SAMPLING LOCATION VERIFIED ON: 05/20/2015			RCRA NOTICE: 07/01/1992	
SLUG CONTROL PLAN EVALUATION DATE: 05/20/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	0	0
Number of City Sampling Days	0	3	0	3
Number of IU Sampling Days	1	1	1	1
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	1	1	0	0
Compliance Status	I	I	C	C
Evaluated as of:	04/21/2015	07/28/2015	10/13/2015	01/26/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1	Permit Condition	03/11/2015	NA	NA	NA	Flow Rate Exceedance		
1	Permit Condition	03/30/2015	NA	NA	NA	Flow Rate Exceedance		
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A(2)	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: DS Services of America, Inc.

Process Flow: 105,018 (GPD) Average

General Information and type of wastewater treatment	DS Services of America, Inc. bottles water for resale. Pretreatment consists of pH Neutralization.
First Quarter	On 03/11/2015 DS Services of America exceeded the permitted flow rate limit of 277 GPM. On 03/19/2015 an NOV was issued for Permit Condition-Flow Rate Exceedance violations. All requirements of the NOV have been met. On 03/30/2015 DS Services of America exceeded the permitted flow rate limit of 277 GPM. On 04/18/2015 an NOV was issued for Permit Condition-Flow Rate Exceedance violations. All requirements of the NOV have been met.
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Entrepix, Inc.

Process Flow: 7,876 (GPD) Average

General Information and type of wastewater treatment	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: FlipChip International, LLC

Process Flow: 47,199.5 GPD (Average)

General Information and type of wastewater treatment	This facility processes silicon wafers by utilizing photoresist, etching, sputtering, and cleaning operations. Pretreatment consists of ion exchange and pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: FM Industries, Inc.

Process Flow: 7885.62 (GPD) Average

General Information and type of wastewater treatment	
FM Industries, Inc. (FM Industries Inc.) performs anodizing and nickel seal on aluminum parts. Pretreatment consists of segregation and pH neutralization.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Freescale Semiconductor, Inc. 52nd ST Superfund Site - OU 1

Process Flow: 229,872 (GPD) Average

General Information and type of wastewater treatment	<p>52nd Street Superfund Site Operable Unit 1 (OU-1) is a groundwater remediation site. The groundwater is treated by two volatile organic compound air strippers, then run through four liquid phase granular activated carbon (GAC) filters before being discharged. This facility has completed construction of a new discharge pipeline to the SRP Old Cross Cut Canal. As of the fourth quarter of 2015, this pipeline is used as the primary discharge option for the treated water from the Integrated groundwater treatment plant. During the times that SRP will not allow discharge to the canal, the facility will discharge the treated groundwater to the City of Phoenix Sewer system.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Futureweld Company Inc.

Process Flow: 9,244 (GPD) Average

General Information and type of wastewater treatment	
Futureweld performs metal finishing operations for commercial and aerospace applications. Pretreatment consists of stream segregation, precipitation, solids dewatering, filtration and pH neutralization.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: G & K Services, Inc.

Process Flow: 88,246 GPD (Average)

General Information and type of wastewater treatment

This facility is a commercial laundry. Wastewater treatment consists of equalization, diffused air floatation, coagulation and flocculation.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: GE Parallel Design, Inc.
Process Flow: 0 GPD (Average)

General Information and type of wastewater treatment	<p>This facility manufactures and repairs ultrasonic transducers for the medical imaging field. Treatment consists of stream segregation, ion exchange, and pH neutralization. The facility has chosen to temporarily ship generated wastewater offsite for treatment and disposal; therefore, the facility did not discharge.</p>
First Quarter	<p>GE Parallel Design, Inc. had zero categorical wastewater discharge during this quarter.</p>
Second Quarter	<p>GE Parallel Design, Inc. had zero categorical wastewater discharge during this quarter. GE Parallel Designs, Inc. acquired the manufacturing processes from U-Systems on 05/09/2015.</p>
Third Quarter	<p>GE Parallel Design, Inc. had zero categorical wastewater discharge during this quarter.</p>
Fourth Quarter	<p>GE Parallel Design, Inc. had zero categorical wastewater discharge during this quarter. GE Parallel Design, Inc. will be reclassified to a Class B Zero Categorical Wastewater Discharge Permit during the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Heligear Acquisition Co. - D-Velco Manufacturing of Arizona, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 401 South 36th Street Phoenix Arizona 85034		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 09/06/2012	
TTO CERTIFICATION DATE SUBMITTED: 12/04/2015	PERMIT EFFECTIVE: 10/01/2012	PERMIT EXPIRES: 09/30/2017		
SAMPLING LOCATION VERIFIED ON: 10/01/2015	RCRA NOTICE: 10/01/2012			
SLUG CONTROL PLAN EVALUATION DATE: 10/01/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	3	0	4	0
Number of IU Sampling Days	6	5	4	6
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	1	0
Compliance Status	C	C	I	C
Evaluated as of:	04/27/2015	07/27/2015	10/28/2015	02/02/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3rd	Permit Conditions	09/2015	N/A	N/A	N/A	Failure to Measure Flow		
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc.
 Process Flow: 13,063 GPD (Average)

General Information and type of wastewater treatment	<p>This facility performs chemical etching and chrome conversion coating on aluminum, stainless steel, steel, titanium, and other exotic metals. Radiographic film processing is conducted on some parts as a quality control test.</p> <p>The wastewater treatment consists of electrolytic recovery, ion exchange, recycling, interceptor, evaporation, and stream segregation</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>During evaluation of the 09/2015 Self Monitoring Report for Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc., City staff discovered that flow data for the month had not been measured. As a result, Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc. violated Wastewater Discharge Permit (Permit) № 1210-30339 , Section D.1.</p> <p>A Notice of Violation (NOV) will be sent to Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc. during the first quarter of 2016 for this violation.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Heligear Acquisition Co. – Northstar Aerospace (Phoenix)

Process Flow: 122 GPD (Average)

General Information and type of wastewater treatment	This facility performs alkaline cleaning, acid etching, non-destructive penetrant testing, cadmium and nickel brush plating on aluminum, steel, and titanium aerospace parts. The wastewater treatment consists of ion exchange, followed by pH adjustment.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	On 02/12/2015 the City became aware that as of 12/31/2014 no result for Selenium (Se) had been submitted, therefore the IU is violation of their permit conditions - failure to sample once per quarter as required in the Permit. An NOV will be issued during the first quarter of 2016 for this violation; the NOV was not issued during the first quarter of 2015 due to IPP staff changes.

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Holsum Bakery, Inc.				REPORT PERIOD: 01/01/2015 through 12/31/2015				
SERVICE ADDRESS: 2322 West Lincoln Street Phoenix, Arizona 85009-5827				MAILING ADDRESS: Same				
CATEGORICAL USER? No		40 CFR Local Limits		LIMITS APPENDIX: A		BMR SUBMITTED: 10/01/1995		
TTO CERTIFICATION DATE SUBMITTED: NA				PERMIT EFFECTIVE: 10/01/2015		PERMIT EXPIRES: 06/30/2019		
SAMPLING LOCATION VERIFIED ON: 05/20/2015				RCRA NOTICE: 08/21/1995				
SLUG CONTROL PLAN EVALUATION DATE: 05/20/2015								
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0		1		0		0	
Number of City Sampling Days	0		2		3		0	
Number of IU Sampling Days	1		1		1		1	
Number of Parameter Violations	4		0		0		2	
Number of Inspection Violations	0		0		0		0	
Number of Reporting Violations	3		0		0		0	
Number of Permit Cond. Violations	0		0		1		0	
Compliance Status	I		C		I		I	
Evaluated as of:	04/28/2015		07/22/2015		10/24/2015		01/27/2015	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Effluent	01/26/2015	Grab	City	IU	pH	4.36/5.0 SU	13
1 st	Effluent	03/25/2015	Grab	City	IU	pH	3.78/5.0 SU	13
1 st	Effluent	03/26/2015	Grab	City	IU	pH	3.91/5.0 SU	13
1 st	Effluent	03/27/2015	Grab	City	IU	pH	2.05/5.0 SU	13
1 st	Reporting	03/27/2015	Grab	City	IU	pH	5.0/10.5 SU	
1 st	Reporting	03/28/2015	Grab	City	IU	pH	5.0/10.5 SU	
1 st	Reporting	03/29/2015	Grab	City	IU	pH	5.0/10.5 SU	
3 rd	Permit Condition	07/31/2015	Grab	City	IU	pH	5.0-10.5 SU	13
4 th	Effluent	10/26/2015	Grab	City	IU	pH	10.94/10.5 SU	13
4 th	Effluent	12/14/2015	Grab	City	IU	pH	11.89/10.5 SU	13
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A,L	N	A(3),L	A(2),L(2)		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N - No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Holsum Bakery, Inc.

Process Flow: 30,983 (GPD) Average

General Information and type of wastewater treatment	<p>This facility is an industrial bakery that mixes, bakes, and packages bread and bakery products from raw bulk ingredients. Wastewater treatment consists of pH neutralization and gravity separation via grease interceptor.</p>
First Quarter	<p>On 03/10/2015, an NOV and TISM were issued for a pH violation that occurred on 01/26/2015. All requirements of the NOV were met.</p>
Second Quarter	
Third Quarter	<p>On 09/08/2015 a corrected NOV was issued for pH exceedances that occurred on 3/25/2015, 3/26/2015, 3/27/2015 during TISM sampling. Holsum Bakery, Inc. was not required to collect additional TISM samples or another 30 day sample. The IU met all requirements. The additional pH effluent violations will be addressed during a forthcoming Show Cause Hearing to be scheduled during the first quarter of 2016.</p> <p>On 09/06/2015 the City became aware of a violation for failure to sample that occurred on 07/31/2015. An NOV, 30-day Resample, and TISM were issued on 09/08/2015. The IU met all requirements.</p>
Fourth Quarter	<p>On 10/28/2015, an NOV, 30-day Resample, and TISM was issued for a pH violation that occurred on 10/26/2015. The IU met all requirements.</p> <p>On 12/14/2015 the City became aware of a pH violation exceedance. An NOV, 30-day Resample, and TISM were issued on 12/16/2015. The IU met all requirements.</p> <p>A Show Cause Hearing to resolve 2015 violations will be held during the first or second quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International Inc.
Former Peoria Avenue Facility/EW-1
Process Flow: 32,166 GPD (Average)

General Information and type of wastewater treatment	This is a groundwater extraction site with no pretreatment or manufacturing processes.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International Inc.
Former Peoria Avenue Facility/MW-10
Process Flow: 39,191 GPD (Average)

General Information and type of wastewater treatment	This is a groundwater extraction site with no pretreatment or manufacturing processes.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International Inc.
Honeywell Aerospace - Deer Valley

Process Flow: 1115 (GPD) Average

General Information and type of wastewater treatment	<p>This facility assembles flight instruments, tests, evaluates, and designs components and assemblies. Process operations which result in wastewater discharge to sewer include semiconductor fabrication and glass wafer dicing. Pretreatment is limited to pH neutralization. Discharges from the metal finishing operations including Machine Shop EDM area, the torrid room, circuit board washing, and testing operations for Fuel Quantity Indication System (FQIS) capacitance indicators result in zero discharge and are specifically prohibited from discharge in the permit.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International, Inc. Honeywell Aerospace – Phoenix R & O
Process Flow: 14,462 (GPD) Average

General Information and type of wastewater treatment	This facility repairs and overhauls turbine engines using steam cleaning, caustic and acid cleaning, chromate conversion coating and associated operations. The wastewater treatment consists of stream segregation, chemical reduction, precipitation, flocculation sedimentation and pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No
Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International, Inc.- Honeywell Engines Product Center

Process Flow: 32,637 (GPD) Average

General Information and type of wastewater treatment	<p>Manufacturer of turbine engines that performs caustic and acid cleaning, electrolytic and electroless plating, which includes the use of Cadmium, Copper, Nickel, and Chromium plating and anodizing.</p> <p>The wastewater treatment consists of stream segregation, chemical oxidation, chemical reduction, hydroxide precipitation, pH neutralization, physical separation and sedimentation.</p>
First Quarter	Empty space for First Quarter data
Second Quarter	Empty space for Second Quarter data
Third Quarter	Empty space for Third Quarter data
Fourth Quarter	Empty space for Fourth Quarter data

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: IASIS Healthcare - St. Luke's Medical Center

Process Flow: 29,393 (GPD) Average

General Information and type of wastewater treatment	
The facility conducts normal hospital operations with digital X-ray. The wastewater pretreatment consists of physical separation of food grease for the kitchen.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: John C. Lincoln Hospital – Deer Valley

Process Flow: 48,908 (GPD) Average

General Information and type of wastewater treatment	<p>John C. Lincoln Hospital – Deer Valley is a 203-bed, not-for-profit, full service hospital. Services include an emergency department, cardiac care, inpatient and outpatient surgery, oncology, an orthopedic unit, medical imaging and pediatrics.</p> <p>The wastewater treatment consists of wastestream segregation and physical separation. A three compartment Grease Interceptor pre-treats the discharge from the kitchen.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: John C. Lincoln Hospital – North Mountain

Process Flow: 60,286 (GPD) Average

General Information and type of wastewater treatment

John C. Lincoln Hospital North Mountain is a 262-bed, acute care hospital. It is the first hospital in the Phoenix area to be designated a Magnet Hospital. Services include an Emergency and Level I Trauma Center, critical care, inpatient and outpatient surgery, oncology, an orthopedic unit, diagnostic imaging and outpatient therapy.

The wastewater pretreatment consists of wastestream segregation and physical separation. A 3-compartment grease interceptor pretreats wastewater from the kitchen.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Kerr West Plating, Inc.

Process Flow: 1,129 (GPD) Average

General Information and type of wastewater treatment	<p>This facility performs silver, nickel, copper and chrome plating of various metals and plastics. Pretreatment consists of process controls including the use of dead rinse tanks following plating baths and timed spray rinsing.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>The permit for Kerr West Plating, Inc., is administratively extended, due to missing and incorrect information in permit application documents. A new permit will be issued in the first quarter of 2016, provided the permit application is re-submitted.</p> <p>Changes in IPP staffing have contributed to delays in assisting the facility with application corrections.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Layne Christensen Company
Water Technologies Division

Process Flow: 0 (GPD) Average

General Information and type of wastewater treatment	Layne Christensen is a centralized waste treatment facility that performs regeneration of arsenic laden media. Pretreatment consists of pH adjustment, precipitation and adsorption with ferric chloride. Wastewater is then circulated through a disc filter to remove arsenic and other solids.
First Quarter	
Second Quarter	On 02/09/2015, Layne Christiansen Company notified the City that it had ceased operations and would be vacating the facility. Following an inspection 05/11/2015 to ensure proper removal of all process chemicals, waste treatment tanks, and wastewater treatment equipment had been disconnected and removed, Permit №1204-27337 was terminated as of 06/19//2015. The final May 2015 SMR and a final zero discharge certification statement for 06/2015 were received by 06/28/2015 as required.
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Liquid Environmental Solutions of Arizona LLC			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 5159 West Van Buren Street Phoenix Arizona 85043		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 437.46	LIMITS APPENDIX: Q	BMR SUBMITTED: 11/01/2003 01/31/2015	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 01/15/2014		PERMIT EXPIRES: AE	
SAMPLING LOCATION VERIFIED ON: 12/19/2015		RCRA NOTICE: 06/06/1996		
SLUG CONTROL PLAN EVALUATION DATE: 12/19/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	5	3	6	0
Number of IU Sampling Days	13	6	9	13
Number of Parameter Violations	0	2	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	I	C	C
Evaluated as of:	04/28/2015	07/22/2015	10/27/2015	02/04/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3 rd	Daily Effluent	03/19/2015	Composite	Federal	City	Zinc	3.35/2.87 mg/L	6
3 rd	Daily Effluent	03/19/2015	Composite	Federal	City	Copper	1.64/0.405 mg/L	6
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Liquid Environmental Solutions of Arizona LLC

Process Flow: 71,408 (GPD) Average

General Information and type of wastewater treatment	Liquid Environmental Solutions of Arizona LLC is a Centralized Waste Treatment facility receiving and treating non-hazardous liquid waste. Treatment includes wastestream segregation, physical separation, emulsion breaking, dissolved air flotation, chemical precipitation, pH adjustment, biologically active aerated treatment, and a lamella clarifier.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>During a monitoring data review, City staff discovered that Liquid Environmental Solutions of Arizona LLC had exceeded daily Zinc and Copper limits in samples taken by city sampling staff on 03/19/2015. On 10/15/15 City staff issued an NOV for effluent violations for exceeding daily Zinc and Copper limits.</p> <p>Because the City had already taken addition samples for the violated parameters on 05/05/2015-05/07/2015 Liquid Environmental Solutions was not required to do so. An acceptable NOV response report was submitted on 10/30/2015; all conditions of the NOV were met on 10/30/2015.</p> <p>The Permit for Liquid Environmental Solutions is administratively extended, due to multiple pretreatment train and compliance sampling point proposals throughout 2015, to separate wastestreams in accordance with subparts A, B, and C of 40 CFR 437.46. A new permit will be issued for Liquid Environmental Solutions of Arizona LLC during the first quarter of 2016, under subpart D of 40 CFR 437.46 with a Compliance Schedule for Subpart D recertification.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

For the Year Ending December 31, 2015

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Maricopa Integrated Health System			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 2601 East Roosevelt Street Phoenix, Arizona 85008-4973			MAILING ADDRESS: Same	
CATEGORICAL USER?	No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 12/28/1990
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 04/01/2012		PERMIT EXPIRES: 12/31/2016
SAMPLING LOCATION VERIFIED ON: 11/06/2015		RCRA NOTICE: 12/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 11/06/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	4	0	2	0
Number of IU Sampling Days	3	3	3	3
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	1	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	04/22/2015	07/17/2015	10/22/2015	01/13/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Reporting	03/01/2015	NA	NA	NA	Late January SMR		
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Maricopa Integrated Health System

Process Flow: 122,874 (GPD) Average

General Information and type of wastewater treatment	<p>This is a large, full service hospital and medical complex. Wastewater treatment is a three stage interceptor after the cafeteria and physical separation.</p>
First Quarter	<p>On 03/06/2015 an NOV was issued for submitting a late self-monitoring report which was due on 02/28/2015. The SMR was received on 03/03/2015, three days late. All requirements of the NOV were met.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Marlyn Nutraceuticals Inc. - Naturally Vitamins, Inc.			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 4404 East Elwood Street Phoenix Arizona 85040-1909		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 439.47	LIMITS APPENDIX: L	BMR SUBMITTED: 01/2001	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 12/01/2013	PERMIT EXPIRES: 03/31/2016		
SAMPLING LOCATION VERIFIED ON: 11/10/2015	RCRA NOTICE: 04/12/2001			
SLUG CONTROL PLAN EVALUATION DATE: 11/10/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	1	0
Number of City Sampling Days	3	0	0	2
Number of IU Sampling Days	1	1	1	1
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	1	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	04/15/2015	07/27/2015	10/26/2015	01/26/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Reporting	03/29/2015	N/A	N/A	N/A	SMR18-days Late		
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A	N	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | N- No Enforcement Action |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Marlyn Nutraceuticals Inc. - Naturally Vitamins, Inc.

Process Flow: 2,907 (GPD) Average

General Information and type of wastewater treatment	<p>This Facility mixes and packages vitamins and supplements.</p> <p>No wastewater treatment is performed prior to discharge.</p>
First Quarter	
Second Quarter	<p>On 04/16/2015, an NOV was issued for submitting a late self-monitoring report which was due on 03/28/2015. The SMR was received on 04/15/2015; 18 days late. All requirements of the NOV were met.</p>
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mastel Linen, Inc.

Process Flow: 38,494 (GPD) Average

General Information and type of wastewater treatment	<p>Mastel Linen, Inc. is an industrial laundry facility that launders linens from various high end resorts and doctors' offices. All of the washer units are plumbed to drain to a trench drain leading to a pH neutralization process, lint shaker, and then to the compliance sample point. Lint screens are placed within the trench drain to prevent excess lint from entering the pretreatment system.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mayo Clinic Arizona- Mayo Clinic Hospital

Process Flow: 79,763 (GPD) Average

General Information and type of wastewater treatment

This is a large full service hospital. Wastewater treatment consists of physical separation and stream segregation. Acids that are used in the laboratory are pH neutralized prior to discharge.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Mega Metals Unlimited Inc.			REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 1323 North 22nd Avenue Phoenix Arizona 85009-3714			MAILING ADDRESS: Same	
CATEGORICAL USER?	40 CFR	421.306	LIMITS APPENDIX:	R
TTO CERTIFICATION DATE SUBMITTED: N/A			PERMIT EFFECTIVE:	02/01/2015
SAMPLING LOCATION VERIFIED ON: 10/21/2015			PERMIT EXPIRES: 01/31/2020	
SLUG CONTROL PLAN EVALUATION DATE: 10/21/2015			RCRA NOTICE: 03/20/2012	
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	1
Number of City Sampling Days	0	3	1	0
Number of IU Sampling Days	8	3	6	0
Number of Parameter Violations	0	0	6	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	S	C
Evaluated as of:	04/28/2015	07/28/2015	10/28/2015	02/10/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3rd	Daily Max	08/28/2015	Composite	Federal	IU	Titanium	6.65 / 3.0	7
3rd	Monthly Average	08/31/2015	Composite	Federal	IU	Titanium	3.29 / 1.30	3
3rd	Daily Max	09/04/2015	Composite	Federal	City	Titanium	16.5 / 3.0	7
3rd	Monthly Average	09/30/2015	Composite	Federal	City	Titanium	16.5 / 1.30	3
3rd	Daily Max	09/17/2015	Composite	Federal	IU	Titanium	8.05 / 3.0	7
3rd	Monthly Average	09/30/2015	Composite	Federal	IU	Titanium	5.00 / 1.30	3
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A, L	A(2)		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mega Metals Unlimited Inc.

Process Flow: 5,817

General Information and type of wastewater treatment	<p>The facility performs crushes and washes titanium turnings for recycle. Pretreatment consists of wastestream segregation, gravity separation of oils, equalization, clay polymer adsorption and clarification, fabric filtration, pH neutralization, and canister filtration.</p>
First Quarter	<p>Mega Metals Unlimited was reclassified at their request to a Class A SIU from a Class B Zero Categorical IU on 02/01/2015 when Permit № 1502-27341 became effective.</p>
Second Quarter	
Third Quarter	<p>On 09/17/2015, an NOV and TISM were issued for daily maximum and monthly average Titanium violations resulting from Self-monitoring during 08/2015.</p>
Fourth Quarter	<p>On 10/28/2015, an NOV was issued for daily maximum and monthly average Titanium violations resulting from City-monitoring during 09/2015. Mega Metals Unlimited, Inc. voluntarily suspended discharge of process wastewater on 09/24/2015; therefore, the SIU was unable to fulfill the 30-day resample requirement.</p> <p>On 10/28/2015, an NOV was issued for daily maximum and monthly average Titanium violations resulting from Self-monitoring during 09/2015. Mega Metals Unlimited, Inc. voluntarily suspended discharge of process wastewater on 09/24/2015; therefore, the SIU was unable to fulfill the 30-day resample requirement.</p> <p>On 10/28/2015, Mega Metals Unlimited was notified of its SNC status for the 3rd quarter of 2015 due to Monthly Average Technical Review Criteria for Titanium violations. The facility will be published as SNC in the Arizona Republic Newspaper during the first quarter of 2016. A Show Cause Hearing will be held during the first or second quarter of 2016 to settle 2015 violations.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Metco Metal Finishing, Inc.

Process Flow: 10,402 (GPD) Average

General Information and type of wastewater treatment	The facility performs caustic cleaning, aluminum anodizing, chromate conversion coating, electroless nickel plating and electroplating of copper, tin, and zinc. Pretreatment consists of stream segregation, metals precipitation, filtration and pH neutralization.
First Quarter	
Second Quarter	On 06/28/2015, Metco Metal Finishing, Inc., was purchased by a new owner. As a result, the company was renamed to Metco Metal Finishing, LLC, and a new discharge permit, Permit # 1507-32746 was issued to Metco Metal Finishing, LLC with an effective date of 07/28/2015. The permit for Metco Metal Finishing, Inc, Permit # 1007-2950, which had been administratively extended, was terminated on 06/30/2015.
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Metco Metal Finishing, LLC.

Process Flow: 14,143 (GPD) Average

General Information and type of wastewater treatment	<p>The facility performs caustic cleaning, aluminum anodizing, chromate conversion coating, electroless nickel plating and electroplating of copper, tin, and zinc. Pretreatment consists of stream segregation, metals precipitation, filtration and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 06/28/2015, Metco Metal Finishing, Inc., was purchased by a new owner. As a result, the company was renamed to Metco Metal Finishing, LLC, and a new discharge permit, Permit # 1507-32746 was issued to Metco Metal Finishing, LLC with an effective date of 07/28/2015. The permit for Metco Metal Finishing, Inc, Permit # 1007-2950, which had been administratively extended, was terminated on 06/30/2015.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Milum Textile Services
Process Flow: 21,019 (GPD) Average

General Information and type of wastewater treatment	Milum Textile Services is an industrial laundry that supplies clean linens and floor mats to hospitals, restaurants and the hospitality industry. The wastewater treatment consists of pH neutralization and physical separation.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mission Linen Supply, Inc.

Process Flow: 138,826 (GPD) Average

General Information and type of wastewater treatment	<p>The facility is a commercial laundry. The facility launders uniforms, linens and various textiles.</p> <p>Wastewater pretreatment consists of hydroxide precipitation, filtration, oil floatation, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Modern Industries, Inc.

Process Flow: 13,012 (GPD) Average

General Information and type of wastewater treatment	Modern Industries performs electropolishing and cleaning of stainless steel parts for the semiconductor industry. Pretreatment consists of precipitation, settling, dewatering, filtration and pH adjustment.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: MPP Group of Companies

Process Flow: 23,249 (GPD) Average

General Information and type of wastewater treatment	<p>The facility performs anodizing, dyeing, and nickel seal on aluminum parts. The wastewater treatment consists of pH neutralization, collection tanks, clarifier, filter press and an interceptor.</p>
First Quarter	<p>MPP Group of Companies was published for 2014 SNC in the Arizona Republic newspaper on 03/17/2015. The facility was determined to be in SNC during the 3rd Quarter of 2014 for submittal of a Compliance Schedule and an Engineering report greater than 30-days late. A PSA was agreed to during a Show Cause hearing held on 12/17/2014 and included a civil penalty of \$7,482.00; a compliance schedule including entering into a contract with an engineer to evaluate and propose alternatives to MPP's current pretreatment system. The 30-Day Public Comment Period ended on 02/20/2015, at which time the assessed monetary penalty of \$7,482.00 was collected.</p> <p>Under the terms of the PSA, MPP Group of Companies was required to submit documentation demonstrating that it entered into a contract with a licensed wastewater process engineer for an evaluation of, proposed design alternatives to, and an engineering report of MPPGC's overall wastewater pretreatment system no later than February 16, 2015. This compliance requirement was adequately met on 02/13/2015.</p> <p>Under the terms of the PSA, MPP Group of Companies was required to submit a signed and stamped engineering report which included thorough evaluation of, and proposed design alternatives to MPP Group's overall wastewater pretreatment system no later than 90 days from contract signature date. MPP Group requested (and was granted) an extension of the deadline for this compliance requirement until 09/01/2015.</p>
Second Quarter	
Third Quarter	<p>On 09/19/2015, a signed and stamped engineering report which included thorough evaluation of, and proposed design alternatives to MPP Group's overall wastewater pretreatment system was submitted to the City. A Compliance Status Review Meeting was held on 01/14/2016, to discuss the findings of this report, and to make compliance recommendations to MPP Group.</p>
Fourth Quarter	<p>To date MPP Group of Companies has not yet returned to full compliance.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 7,482.00**

For the Year Ending December 31, 2015

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Niagara Bottling, LLC

Process Flow: 164,853 (GPD) Average

General Information and type of wastewater treatment	<p>The facility manufactures bottled drinking water using microfiltration, granulated activated carbon, reverse osmosis and mineral addition. Wastewater treatment consists of pH neutralization.</p>
First Quarter	
Second Quarter	<p>Niagara completed the all requirements of the 10/02/2013 and the 04/01/2014 - PSAs in 05/2015 with regard to payment of civil penalties, installation of a lift station and modification of the pH neutralization system, and Niagara staff completion of the City of Phoenix Industrial Pretreatment Compliance Academy. Niagara returned to full compliance in 05/2015 with regard to its 1st, 2nd, and 4th Quarter 2013 – SNC status for late reporting.</p>
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: One Camelback Inc.

Process Flow: 21,876 (GPD) Average

General Information and type of wastewater treatment	<p>A dewatering system is continuously operated to ensure proper management of the 5-level subsurface parking garage as rising groundwater elevations intersect the parking levels. Fuel contaminated groundwater from the dewatering wells, combined with accumulated stormwater, and hand sinks are treated with aeration via a shallow tray air stripper. Vapor is captured and treated through Granular Activated Carbon unit prior to release to ambient air.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: PAS Technologies, Incorporated

Process Flow: 15,132 (GPD) Average

General Information and type of wastewater treatment
This facility performs chrome electroplating, sulfuric acid anodize, nickel seal, chrome conversion coating, passivation and electroless nickel plating of aerospace and commercial market metal components. Pretreatment consists of stream segregation, hydroxide precipitation, chemical reduction, sedimentation, filtration and pH neutralization.
First Quarter
Second Quarter
Third Quarter
Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: PepsiCo – Bottling Group, LLC

Process Flow: 124,702 (GPD) Average

General Information and type of wastewater treatment	
This facility manufactures carbonated and non-carbonated soft drinks. Wastewater consists of pH neutralization.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Phoenix Children's Hospital		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 1919 East Thomas Road Phoenix, Arizona 85016		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 08/28/2002	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 07/01/2012		PERMIT EXPIRES: 06/30/2017	
SAMPLING LOCATION VERIFIED ON: 11/12/2015		RCRA NOTICE: 02/28/1996		
SLUG CONTROL PLAN EVALUATION DATE: 11/12/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	4	1	0	4
Number of IU Sampling Days	3	3	3	7
Number of Parameter Violations	1	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	1
Compliance Status	I	C	C	I
Evaluated as of:	04/22/2015	07/27/2015	10/25/2015	01/22/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1 st	Effluent	03/04/2015	Composite	City	City	Mercury	0.157/0.0023 mg/L	4
4 th	Permit Condition	12/24/2015	N/A	N/A	N/A	Monitoring		
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A, L	A		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |
- For the Year Ending December 31, 2015 E&M\FORMS\SIUCSR 3/16/99

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Phoenix Children's Hospital

Process Flow: 111,912 GPD (Average)

General Information and type of wastewater treatment	<p>This facility is a 360 bed full service hospital specializing in complete care for children to include medical and surgical operations. The wastewater pretreatment consists of two three stage interceptors which collect hospital cafeteria food wastes. There is a sand/oil interceptor for the helipad. Regulated biohazard wastes are contained and shipped off-site for disposal.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 04/23/2015 the City became aware of a Mercury violation during City monitoring on 03/04/2015 at compliance sampling point 21169.01. The NOV and TISM were not issued until 09/03/2015 due to a change in IPP staff. All NOV requirements were met.</p>
Fourth Quarter	<p>On 11/24/2015 the City became aware of a monitoring permit condition violation that occurred from 10/08/2015 through 10/31/2015 due to a flow meter failure that was not discovered by the IU until the City notified them on 11/24/2015. The NOV was issued on 12/31/2015. IU completion of NOV requirements are still pending.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Phoenix Heat Treating, Inc.
 Process Flow: 1,006 (GPD) Average

General Information and type of wastewater treatment	Phoenix Heat Treating, Inc. performs commercial and aerospace heat-treating, electro-polishing, brightening, black oxide coating, and acid / caustic cleaning. Phoenix Heat Treating, Inc. has nine (9) process lines (regulated wawtestreams); only the Aluminum line is discharged to the sanitary sewer system. The wastewater treatment consists of segregation and process control.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Phoenix Indian Medical Center

Process Flow: 140,222 (GPD) Average

General Information and type of wastewater treatment	
This facility is a full service hospital with medical, dental, and surgical operations. Wastewater treatment consists of solids separation, amalgam filtering, and settling.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Phoenix Manufacturing, Inc.

Process Flow: 4,178 (GPD) Average

General Information and type of wastewater treatment	<p>Phoenix Manufacturing, Inc. receives raw material in the form of rolls of sheet metal and manufactures evaporative coolers and electrical wiring boxes. The fabrication of the product consists in the rolls being cut, punched, and bent, to form components. The components are spot welded then put through a zinc phosphating process, powder coated and assembled for shipment. The zinc phosphating process is regulated under 40 CFR 433.15.</p> <p>The wastewater pretreatment consists of hydroxide precipitation and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Prudential Overall Supply

Process Flow: 52,408 (GPD) Average

General Information and type of wastewater treatment

The facility is an industrial laundry and launders a variety of articles including shop towels, bar mops, napkins, grill pads, floor mats and industrial uniforms. The wastewater treatment consists of filtration, hydroxide precipitation, flocculation, sedimentation, and pH neutralization.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Quantum Global Technologies, LLC

Process Flow: (GPD) Average

General Information and type of wastewater treatment	<p>This facility performs semiconductor and aerospace equipment / parts cleaning using abrasive blasting and chemical cleaning consisting of acid and caustic solutions. Pretreatment consists of precipitation, settling, dewatering, filtration and pH adjustment.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Quantum Global Technology, LLC dba Quantum Clean

Process Flow: 1,350 (GPD) Average

General Information and type of wastewater treatment	<p>Quantum Clean performs chemical cleaning and metallic coating of semiconductor manufacturing components. Wastewater treatment consists of precious metals recovery, flocculation and pH adjust.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Rexam Beverage Can Company

Process Flow: 66,654 (GPD) Average

General Information and type of wastewater treatment	<p>Rexam Beverage Can Americas manufactures two-piece beverage cans from aluminum coil stock. In lieu of sampling for TTO's, the facility monitors for 1664A - SGT-HEM, as delineated in 40 CFR 465.03(c). They also submit a signed "No Solvent Dumping and TOMP Implementation Certification" on a monthly schedule with their Self Monitoring Reports. The wastewater treatment consists of stream segregation, lime addition, hydroxide precipitation, filtration, dewatering, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Safeway, Inc. Phoenix Ice Cream Plant

Process Flow: 64,055 GPD (Average)

General Information and type of wastewater treatment	<p>This facility manufactures and packages ice cream from raw bulk products. Wastewater pretreatment consists of physical separation and pH adjustment. Waste product is shipped off-site for animal (hog) feed.</p>
First Quarter	<p>On 10/24/2014 Safeway, Inc.-Phoenix Ice Cream reported a pH violation of 11.23 SU for seven minutes and approximately 360 gallons that occurred at 3pm on 10/23/2014. An NOV was not issued until 02/12/2015; however, the IU had responded to the violation in writing on 10/24/2014. All NOV requirements were met.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sapa Extrusions North America, LLC - Plant 1 Extrusion Operation

Process Flow: 3,251 (GPD) Average

General Information and type of wastewater treatment	<p>Sapa Extrusions North America, LLC - Plant 1 Extrusion Operation, manufactures parts and tubing via an aluminum ingot extrusion forming press.</p> <p>The facility samples for Oil and Grease in lieu of Total Toxic Organics.</p> <p>Pretreatment consists of physical separation, filtration and pH adjustment.</p>
First Quarter	<p>On 12/23/2014 the IU notified the City of an exceedance for the daily maximum limit for Oil & Grease for a sample collected on 12/04/2014, and for the potential exceedance of the monthly average limit. The IU collected additional Oil & Grease samples to fulfill the Automatic Resampling (30-Day Resample) and TISM requirements of the Permit's Standard Conditions.</p> <p>On 01/15/2015 the IU informed the City that it had collected samples each day from 12/26/2014 to 12/31/2014 (6 days) to fulfill the TISM and 30-Day Resample requirements; however, the average of all samples collected during the month still exceeded the monthly average limit (45.4 mg/L) with a result of 46.0 mg/L.</p> <p>On 01/21/2015 an NOV was issued for both the daily maximum and monthly average exceedances. The NOV included the acknowledgement that the IU had already completed the Automatic Resampling TISM requirements. All requirements of the NOV were met.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sapa Extrusions North America, LLC - Plant 2 Extrusion Operation

Process Flow: 1249.2 (GPD) Average

General Information and type of wastewater treatment	
<p>Sapa Extrusions North America, LLC - Plant 2 Extrusion Operation manufactures aluminum parts and tubing via extrusion press forming.</p> <p>Pretreatment consists of wastestream segregation, physical separation, filtration and pH adjustment, a compliance sampling point as well as an evaporator.</p> <p>The facility samples for Oil and Grease in lieu of Total Toxic Organics.</p>	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sapa Extrusions North America, LLC - Remelt Operation

Process Flow: 6296 (GPD) Average

General Information and type of wastewater treatment	
<p>Sapa Extrusions North America, LLC - Remelt Operation is a foundry/cast house that performs direct chill casting and homogenizing of aluminum billets The pretreatment consists of physical separation, emulsion breaking and filtration. The facility samples for Oil and Grease in lieu of Total Toxic Organics.</p>	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sav-On Plating, Inc.

Process Flow: 21,041 (GPD) Average

General Information and type of wastewater treatment	Sav-On Plating performs chromate conversion coating, alkaline zinc and cadmium plating using barrel and rack plating methods. Pretreatment processes consist of stream segregation, chemical reduction, hydroxide precipitation, dewatering, and pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	Permit 1004-5300 which expired on 09/30/2013 has been administratively extended. Sav-On Plating made plans to expand their plating process, upgrade the pH neutralization system, and install a new compliance sampling point. Funding complications and finding the correct connection to the city the sewer system have delayed this process; therefore, the permit will be renewed during the first quarter of 2016.

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Semi Ray Inspection Services, Inc.
Semiray Special Process Division
Process Flow: 5,044 (GPD) Average

General Information and type of wastewater treatment	This facility conducts chromate conversion coating, chromic and nitric acid passivation, anodizing, chemical etching, dye penetrant testing, masking, and X-ray testing. Pretreatment consists of stream segregation, hydroxide precipitation, sedimentation, filtration, and pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Shamrock Foods Company-Dairy Division				REPORT PERIOD: 01/01/2015 through 12/31/2015			
SERVICE ADDRESS: 2228 North Black Canyon Highway Phoenix, Arizona 85009-2707				MAILING ADDRESS: Same			
CATEGORICAL USER?	NO	40 CFR	Local Limits	LIMITS APPENDIX:	A	BMR SUBMITTED: NA	
TTO CERTIFICATION DATE SUBMITTED: NA				PERMIT EFFECTIVE: 10/01/2013		PERMIT EXPIRES: 06/30/2018	
SAMPLING LOCATION VERIFIED ON: 04/07/2015				RCRA NOTICE: 02/28/1990			
SLUG CONTROL PLAN EVALUATION DATE: 04/07/2015							
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0		2		0		0
Number of City Sampling Days	4		3		7		2
Number of IU Sampling Days	6		6		6		6
Number of Parameter Violations	0		0		0		0
Number of Inspection Violations	0		0		0		0
Number of Reporting Violations	0		0		0		0
Number of Permit Cond. Violations	0		1		0		0
Compliance Status	C		I		C		C
Evaluated as of:	04/10/2015		07/17/2015		10/16/2015		01/13/2016

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2 nd	Permit Condition	06/22/2015	N/A	N/A	N/A	Improper Discharge of Process Wastewater	N/A	N/A
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Enforcement Status	N		A		N		N	

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Shamrock Foods Company-Dairy Division

Process Flow: 514,698 (GPD) Average

General Information and type of wastewater treatment	<p>The facility processes milk into sour cream, cottage cheese, skim milk, 2% milk, and whole milk. The facility also makes orange juice from concentrate and bottles one gallon jugs of filtered water. Products are packaged on site. Wastewater pretreatment consists of gravity separation, Dissolved Air Floatation (DAF) and pH adjustment.</p>
First Quarter	
Second Quarter	<p>On 06/22/2015, the City became aware of an eroded berm around truck loading area which created the potential for the improper discharge of process wastewater into the stormdrain. A NOV was issued on 06/22/2015. All requirements of the NOV were met.</p>
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Signetix, Inc.

Process Flow: 4,074 (GPD) Average

General Information and type of wastewater treatment	
<p>The facility process consists of immersing a substratum metal into a phosphate cleaning solution, rinsing the metal and applying a powder coating.</p> <p>Rinsate wastewater generated from the cleaning process is pH neutralized prior to discharge.</p>	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: SkyChefs, Inc. – LSG SkyChefs

Process Flow: 94,721 (GPD) Average

General Information and type of wastewater treatment	<p>The facility prepares and processes food for commercial airlines.</p> <p>Pretreatment consists of physical separation and a pH mixing tank.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>Monetary penalties and a Pretreatment Settlement Agreement are pending the results of Show Cause Hearing for the enforcement period 03/01/2014 through 07/31/2014 scheduled for the 1st or 2nd Quarter of 2016. IPP staff changes have contributed to the delay in enforcement action.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$0.00 Collected \$0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Specialty Textile Services

Process Flow: 81,176.3 (GPD) Average

General Information and type of wastewater treatment	
Specialty Textile is a commercial laundry which launders linens from resort hotels and restaurants. Pretreatment consists of gravity separation for lint and pH neutralization.	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: SUMCO Southwest Corporation

Process Flow: 498,459 (GPD) Average

General Information and type of wastewater treatment	<p>The facility grows, cuts, etches, and polishes silicon crystals. SUMCO treats three separate waste streams:</p> <ol style="list-style-type: none"> 1. All etchants which include fluoride, peroxide and silicon dioxide/cleaning wastes discharge continuously and flow through a series of equalization and pH adjustment tanks called the Acid Waste Neutralization (AWN) system which then flows to the compliance sample point. 2. Chromium bearing wastes are treated in batches and are gravity fed to a series of tanks which include equalization tank, metals precipitation tank, pH adjustment and a filter press. The liquids from the filter press are sent to the AWN system and then flows to the compliance sample point. The settled solids from the filter press are stored in a drum for shipment to an off-site disposal/recycling facility. 3. Water is used to cool vacuum pumps during the silicon growing process and act as a water curtain to remove particulates from the airstream which protect the pumps. These wastewaters are collected in a holding tank and treated for arsenic. Wastewaters are pumped to a series of tanks which include coagulation, pH adjustment, clarification and dewatering. The settled solids from the dewatering are stored in a drum for disposal off site.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sumika Electronic Materials

Process Flow: 424 GPD (Average)

General Information and type of wastewater treatment	<p>Sumika is a custom Gallium Arsenide epitaxial wafer manufacturing facility. The III-V Division in Phoenix, AZ provides GaAs, AlGaAs, InGaP, InGaAs, InAIAs, and InP epitaxial services for fiber optic. Digital communication and wireless applications. Sumika manufactures custom wafers for the compound semiconductor market. Compound semiconductor epitaxial wafers are used in a variety of commercial applications including: wireless communications, LED manufacturing, and solar energy conversion. Sumika uses Metalorganic Chemical Vapor Deposition (MOCVD) to apply epitaxial layers onto gallium arsenide wafers.</p> <p>Wastewater from Arsenic contaminated metal parts cleaning, process area containment sumps, and bleed-off from wet air scrubbers for Arsenic process and Metal Organic Chemical Vapor Deposition process are conveyed to a batch pretreatment system consisting of an equalization tank, metal hydroxide reaction and precipitation tank, sludge tank, filter press, arsenic ion exchange adsorption system, and pH neutralization before discharging to sewer at compliance sampling point.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: The Proctor & Gamble Manufacturing Company

Process Flow: 20,800 (GPD) Average

General Information and type of wastewater treatment

This facility manufactures a natural fiber laxative (Metamucil). Pretreatment consists of pH neutralization and physical separation.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: U – Systems, Inc..

Process Flow: 129 (GPD) Average

General Information and type of wastewater treatment	<p>The facility manufactures ultrasonic imaging system components and is regulated for electro-less nickel, gold plating, and lead crystal shearing.</p> <p>Pretreatment consists of stream segregation, filtration, ion exchange, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>U-Systems' Class A Wastewater Discharge Permit 1107-20543 was terminated on 07/14/2015. Manufacturing has been completely transferred to GE Parallel Designs.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**CITY OF PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Unifirst Corporation			REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 104 North 14th Street Phoenix, Arizona 85034-1114		MAILING ADDRESS: Same			
CATEGORICAL USER?	No	40 CFR	Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: NA
TTO CERTIFICATION DATE SUBMITTED: NA		PERMIT EFFECTIVE: 01/01/2013		PERMIT EXPIRES: 12/31/2017	
SAMPLING LOCATION VERIFIED ON: 04/03/2015		RCRA NOTICE: 01/03/1992			
SLUG CONTROL PLAN EVALUATION DATE: 04/03/2015					
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0	1	0	0	
Number of City Sampling Days	3	3	3	0	
Number of IU Sampling Days	1	1	1	2	
Number of Parameter Violations	0	0	1	0	
Number of Inspection Violations	0	0	0	0	
Number of Reporting Violations	0	0	0	0	
Number of Permit Cond. Violations	0	0	0	0	
Compliance Status	C	C	I	C	
Evaluated as of:	04/03/2015	07/16/2015	10/12/2015	01/12/2016	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3 rd	Effluent	09/16/2015	Grab	City	City	pH	10.77 S.U./10.5 S.U	11
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A,L	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Unifirst Corporation
 Process Flow: 71,432 (GPD) Average

General Information and type of wastewater treatment	<p>The facility is an industrial laundry. They launder uniforms and various textiles. Wastewater pretreatment consists of segregation of wastestreams, oily waste removal, flocculation, dissolved air flotation, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 09/16/2015 the City became aware of a daily pH exceedance during City monitoring and a field NOV was issued. A TISM was issued on 09/21/2015. The IU met all requirements</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Valkyrie Industries, Inc.
Process Flow: 7,090 GPD (average)

General Information and type of wastewater treatment
This facility performs anodizing, electro/electroless plating of nickel, tin, and copper cyanide, and chromium passivation. Wastewater treatment consists of stream segregation, chemical reduction, electrolytic recovery, hydroxide precipitation, filtration, and pH neutralization.
First Quarter
Second Quarter
Third Quarter
Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Western Digital Technologies

Process Flow: 0 (GPD) Average

General Information and type of wastewater treatment	<p>The facility processes city water through the Ultra-Pure Water system which includes temperature control, water softeners, degasification, reverse osmosis, electrodeionization, primary mixed beds, polishing mixed beds, and ultrafiltration.</p> <p>The plant is a former semiconductor manufacturing facility which is currently in idle mode.</p>
First Quarter	<p>The property and buildings for the former Western Digital Technologies facility were sold to Evergreen Development Company in 12/2014. Following an inspection 01/26/2015 to ensure proper removal of all semiconductor chemicals and water treatment chemicals, Permit №1303-27316 was terminated as of 01/22/2015. The final zero discharge certification statement for January 2015 was received in 02/2015 as required. The buildings on the property were demolished and redeveloped as mixed use residential / commercial properties.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: World Resources Company

Process Flow: 43126 (GPD) Average

General Information and type of wastewater treatment	<p>The facility receives metal-laden waste sludges from off site and performs material blending and compounding, solar, and thermal drying, and product formulating.</p> <p>The pretreatment process consists of hydroxide precipitation, flocculation, sedimentation, ion exchange and pH adjustment.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

SECTION 2.4
CITY OF SCOTTSDALE

POTW PRETREATMENT ANNUAL REPORT

CITY OF SCOTTSDALE, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Scottsdale Information Contained in the Report:

Zoli Dregely
Water Quality Coordinator
8787 East Hualapai Drive, PO Box 25089
Scottsdale, Arizona 85255-0176
480-312-8709

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF SCOTTSDALE attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2-10-16
Date:

David B. Petty

David B. Petty
Acting Water Resources Director
Water Resources Division, City of Scottsdale, Arizona



WATER RESOURCES DIVISION INTEROFFICE MEMORANDUM

TO: WATER RESOURCES STAFF

FROM: BRIAN K. BIESEMAYER, ACTING CITY MANAGER

SUBJECT: SIGNATURE AUTHORITY

DATE: FEBRUARY 1, 2016

David B. Petty, Water Resources Administrator, will have signature authority on my behalf from February 1, 2016 through February 29, 2016 while I continue my duties as Acting City Manager.

Thank You,

Brian K. Biesemeyer
Water Resources Director



INTRODUCTION

2015 Annual Report

City of Scottsdale Water Resources – Industrial Pretreatment

Scottsdale's 185 square miles is located in the Salt River Valley in central Arizona. It is known for its extensive list of art galleries, specialty shops, golf courses, restaurants, resorts, and nightlife. It is also a popular retirement and tourist community featuring numerous cultural activities throughout the year.

In 1888, U.S. Army Chaplain Winfield Scott visited the Salt River Valley, was impressed with its potential, and subsequently made a down payment on 640 acres to start a farming operation at \$3.50 per acre. Scott's purchase, near the heart of present-day downtown Scottsdale, would be the impetus for the development of the city that bears his name.

On June 25, 1951, with a population of about 2,000 living within an area of less than a square mile, the town incorporated. Malcolm White was appointed its first mayor, and Scottsdale adopted "The West's Most Western Town" as its official motto. The following decades brought even more growth in population and land area, as the city pushed northward into the high Sonoran Desert and experienced several building booms. By 1980, its population of more than 88,000 covered 88.6 square miles. By 1990, it had reached more than 130,000 in population and expanded to roughly its present size – about 185 square miles. By 2000, the city was home to more than 202,000. As of July 2014, the estimated population was 224,800.

Scottsdale's 314 average sunny days is a great factor with its appeal drawing tourists from all over the world. The tourism industry is Scottsdale's primary employer, accounting for 39% of the workforce. Scottsdale also boasts the highest number of resort spas per capita of any city in the US, earning the city a national recognition as an ideal destination for relaxation.

Scottsdale has also received recognition for being among the best cities for an active lifestyle in the US, and ranked 2nd as best place to retire (Walltenub.com, 2016).

The city is governed by a mayor and a city council, all of whom are elected "at large" to represent the entire city. A city manager is responsible for the executive leadership of the city staff, as well as implementing council policies, developing programs and budgets to respond to council goals, and ensuring the citizens receive effective and efficient services.

Scottsdale's Industrial Pretreatment Program, was approved by the US Environmental Protection Agency in 1983, and presently holds permits with six significant industrial users (SIUs) that are sampled every quarter. In 2015 the Pretreatment Program completed 2568 inspections of food service establishments (FSE), automotive service and repair facilities, dry cleaners, and industrial waste surveys to ensure compliance with local and federal regulations.



POLLUTION PREVENTION PROGRAM SUMMARY

2015 Annual Report

City of Scottsdale Water Resources – Industrial Pretreatment

INTRODUCTION

Through its Industrial Pretreatment Program, the City of Scottsdale works to reduce or eliminate pollution at its source by implementing a Pollution Prevention Program. Reducing the amount of pollution that enters the collections system causes less waste to control, treat, or dispose of at the treatment plant, resulting in less hazards posed to public health and the environment. The City of Scottsdale continues to participate with the Sub-Regional Operating Group (SROG) cities on a cooperative basis to study and implement Pollution Prevention and Best Management Practice (BMP) procedures and techniques.

POINT SOURCE CONTROL PROGRAMS

LOCAL LIMITS

The City of Scottsdale participated with the (SROG) cities in sampling events during the year. Monthly wastewater samples were collected at the Scottsdale meter station and split with the City of Phoenix as a quality assurance check. Similarly, split samples are taken on a quarterly basis in cooperation with Liberty Utilities at the Dove Valley meter station, located at the most northern wastewater service boundary of Scottsdale.

Data collected during these sampling events was used in the determination of allowable discharge limitations of process wastewater from industrial and commercial users that make use of the municipal sanitary system. The City's Industrial Pretreatment Program regulates permitted industrial user facilities based upon the local limits established by SROG.

PERMITTED SIU PROGRAM

The City of Scottsdale samples the wastestream(s) of all permitted Significant Industrial Users (SIU) each quarter. Under their industrial wastewater permit, all SIUs must sample, analyze, and submit quarterly self-monitoring reports to the City. Lab data from these quarterly sample events are used to determine whether a facility meets compliance within federal, categorical, and/or local limits standards. At a minimum each facility is inspected annually by City industrial pretreatment staff.

INDUSTRIAL WASTE SURVEYS

The Industrial Pretreatment group identifies key sites within its conveyance system and samples the wastewater for pollutants of concern when necessary. Based upon sample analysis and continuous Industrial/Commercial surveys and inspections, sources for potential pollutant discharges can more effectively be recognized and monitored by the City. In 2015, the Pretreatment group inspected 34 commercial facilities and entered each into a database for future tracking and inspection scheduling.

FOOD SERVICE ESTABLISHMENTS (FOG PROGRAM)

The Pretreatment group operates a Fats, Oils, and Grease (FOG) reduction program that monitors grease traps and interceptors at 1027 food service establishments (FSE) to ensure that adequate pumping frequencies are met. In the last year several FSEs were issued correction notices to comply with city code by installing grease capturing devices in their kitchen. Overall, 2093 inspections were performed at bars, restaurants, hotels, night clubs, and golf courses in 2015. Inspection procedures include a visual check of the grease capturing device, a review of recent pumping manifests, and verbal review of BMPs that should be utilized in the kitchen to reduce waste.

AUTOMOTIVE SERVICE & REPAIR FACILITIES (POG PROGRAM)

In Scottsdale there are 149 automotive service and/or repair shops that have sand/oil interceptors, and each facility is inspected on at least an annual basis. Pretreatment staff visually inspected 180 Petroleum, Oils, and Grease (POG) devices and review pumping records at each inspection. Automotive shops BMPs are reviewed, and where appropriate, educational materials are dispersed.

EDUCATIONAL SOURCE CONTROL PROGRAMS

The City of Scottsdale currently promotes educational source control through the City's Pollution Prevention Program, which includes the Household Hazardous Waste Program, Electronic Recycling Waste Collection Program, Waste Minimization Program, and the Curbside Recycling Program: Large amounts of poisons, toxic chemicals and materials have been diverted from the normal waste streams. Previous to these programs, these toxics would have simply been discharged to the municipal sewer or ended up in the landfill. All disposal and recycling is handled by licensed contractors and facilities.

COMMUNITY OUTREACH/EDUCATION

The Pretreatment group participated in several community outreach events in the past year in an effort to reduce Fats, Oils, and Grease that enter the POTW from domestic users.

ENVIRONMENTAL QUALITY ADVISORY BOARD

A City Council appointed citizen board, the Environmental Quality Advisory Board (EQAB) advises Council on issues related to environmental quality. The City of Scottsdale has taken every opportunity to establish community participation programs in which citizens can become involved. Boards, commissions, and committees in various area of interest have been organized for residents to take an active role in their City government. The EQAB provides guidance on the prioritization of future environmental activities and recommends environmental policies to the City.

EDUCATIONAL PUBLICATIONS AND WEBSITES

The City publishes several magazines and newsletters to help educate citizens and employees on environmental issues. The City also makes available departmental websites with topics pertaining to Pollution Prevention and related information.

Pollution Prevention Educational Publications		
Publication	Format	Distribution
The Scottsdale Citizen	Quarterly magazine	Mailed to Scottsdale residences
The City Line	Weekly Newsletter	E-Mailed to Scottsdale employees
Water Resources	Departmental Website	www.scottsdaleaz.gov/water
Revised Scottsdale Code	Departmental Website	https://www.municode.com/library/az/scottsdale/codes/code_of_ordinances

CITY OF SCOTTSDALE

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

January 1, 2015 – December 31, 2015 – Total Pretreatment Expenditures **\$ 485,217.00**

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2014</u>	<u>FTEs 2015</u>
Regulatory Compliance Manager	0.2	0.2
Water Quality Coordinator	1.0	1.0
Water Quality Specialists	4.0	*5.0
*employees shares other responsibilities in different programs within Water Quality		

PRETREATMENT PROGRAM EXPENDITURES

Laboratory Services	\$ 43,683
Operating Supplies and Expenses	\$ 441,534.00

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
pH Meter	0	3
Gas Detectors	0	2
Portable Auto-Sampler	0	6
Vehicles	0	4
Computers / Software	0	4
Area Velocity Probes	0	3
Samplers / pH	0	1

**CITY OF SCOTTSDALE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	General Dynamics C4 Systems 8201 East McDowell Road MD H2308 Scottsdale, Arizona 85252-3812	91 st Ave	3661 3663	Local Limits
2.	Henkel Consumer Goods Inc. 7201 E Henkel Way Scottsdale, Arizona 85255-9678	91 st Ave	8730 2841	Local Limits
3.	Mayo Clinic Scottsdale 13400 East Shea Boulevard Scottsdale Arizona 85259-5499	91 st Ave	8062	Local Limits
4.	Scottsdale HealthCare Osborn 7400 East Osborn Road Scottsdale, Arizona 85251-6432	91 st Ave	8062	Local Limits
5.	Scottsdale HealthCare Shea 9003 East Shea Boulevard Scottsdale, Arizona 85260-6709	91 st Ave	8062	Local Limits
6.	Scottsdale HealthCare Thompson Peak Pkwy 7400 East Thompson Peak Parkway Scottsdale, Arizona 85255-4109	91 st Ave	8062	Local Limits

CITY OF SCOTTSDALE

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users were added in 2015:

None

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

None

City of Scottsdale
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information							
Control Authority Name: City of Scottsdale			NPDES No.: AZ0020524				
Address: 8787 East Hualapai Drive		City: Scottsdale		State: Arizona		ZIP: 85255	
Contact Person: Zoli Dregely				Contact Telephone Number: (480) 312-8709			
Reporting Period: January 1 – December 31, 2015			Categorical IUs: 0		Significant Non-Categorical IUs: 6		
II. Significant Industrial User Compliance							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of SIUs in Full Compliance	0	0%	5	83%	5	83%
2.	No. of SIUs in Inconsistent Compliance	0	0%	1	17%	1	17%
3.	No. of SIUs in Significant Noncompliance	0	0%	0	0%	0	%
4.	No. of Parameter Violations	0		7		7	
5.	No. of Reporting Violations	0		0		0	
6.	No. of Permit Condition Violations	0		0		0	
III. Compliance Monitoring Program							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of Control Documents Issued	0		6		6	
2.	No. of Non sampling Inspections Conducted	0		7		7	
3.	No. of Facilities Inspected (Non sampling)	0		6		6	
4.	No. of Sampling Visits Conducted	0		83		83	
5.	No. of Facilities Sampled	0		6		6	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	Notices of Violations Issued to SIUs	0		1		1	
2.	Temporary Increase in IU Self Monitoring	0		1		1	
3.	Administrative Orders Issued to SIUs	0		0		0	
4.	Compliance Schedules Issued	0		1		1	
5.	Settlement Agreements	0		0		0	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 0.00 / 0		\$ 0.00 / 0		\$ 0.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: General Dynamics C4 Systems

Process Flow: Batch Discharge-30,000 per discharge-average

General Information and type of wastewater treatment	<p>General Dynamics C4 S facility design, manufactures and integrates electronic hardware, software and complex electronic systems including radio, telephone, telemetry and command data equipment. Manufacturing involves assembly of parts with minimal chemical usage.</p> <p>The C4S WWTP operates on an as needed basis. When sufficient wastewater has been collected to warrant several hours of operation, the WWTP is operated. In general this turns out to be about once per calendar quarter. Waste water generated during plant shutdown periods is stored in a collection tank called the equalization tank (ET) and in four (4) 15,000 gallon auxiliary storage tanks. A bromine sanitizing agent and gypsum buffering agent are added to stored wastewater to prevent bacteria formation and to stabilize pH respectively. The WWTP will operate in recirculation mode occasionally to mix and aerate the water. Recirculation mode recirculates wastewater from the ET tank through the bromine and gypsum tanks back to the ET tank. During plant operation, stored wastewater is pumped through a series of filtration devices designed to remove any regulated impurities. After filtration, the water is discharged to the City's sewer system. Valves, pumps and flows are computer controlled and monitored via a programmable logic controller. pH is also monitored by the same system. The PLC will shut down if the pH exceeds permit limits.</p>
First Quarter	<p>General Dynamics did not discharge process wastewater for this quarter.</p>
Second Quarter	<p>City of Scottsdale and General Dynamics separately conducted quarterly sample monitoring of the facility.</p>
Third Quarter	<p>General Dynamics did not discharge process wastewater for this quarter.</p>
Fourth Quarter	<p>General Dynamics did not discharge process wastewater for this quarter. City staff conducted one inspection of the facility during this quarter.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF SCOTTSDALE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Henkel Consumer Goods Inc.				REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 19001 North Scottsdale Road Scottsdale, Arizona 85254-9679			MAILING ADDRESS: Same		
CATEGORICAL USER?	No	40 CFR Local Limits	LIMITS APPENDIX:	A	BMR SUBMITTED: 06/04/2010
TTO CERTIFICATION DATE SUBMITTED: N/A			PERMIT EFFECTIVE: 08/01/2015		PERMIT EXPIRES: 07/31/2020
SAMPLING LOCATION VERIFIED ON: 12/23/2015			RCRA NOTICE: 08/01/2010		
SLUG CONTROL PLAN EVALUATION DATE: 01/21/2016					
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	0	0	1	1	
Number of City Sampling Days	2	6	2	8	
Number of IU Sampling Days	2	4	4	3	
Number of Parameter Violations	1	2	2	2	
Number of Inspection Violations	0	0	0	0	
Number of Reporting Violations	0	0	0	0	
Number of Permit Cond. Violations	0	0	0	0	
Compliance Status	I	I	I	I	
Evaluated as of:	04/27/2015	07/20/2015	10/27/2015	01/27/2016	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1st	Parameter	01/28/15	Composite	Federal	City	Heptachlor	Prohibited	1
2nd	Parameter	04/16/15	Composite	Federal	City	Heptachlor	Prohibited	2
2nd	Parameter	05/22/15	Composite	Federal	IU	Heptachlor	Prohibited	2
3rd	Parameter	07/24/15	Composite	Federal	City	Heptachlor	Prohibited	2
3rd	Parameter	08/12/15	Composite	Federal	IU	Heptachlor	Prohibited	2
4th	Parameter	11/17/15	Composite	Federal	City	Heptachlor	Prohibited	2
4th	Parameter	11/17/15	Composite	Federal	IU	Heptachlor	Prohibited	2
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	AL	L	L		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Henkel Consumer Goods Inc.

Process Flow: 39,486 (GPD) Average

General Information and type of wastewater treatment	<p>Henkel Consumer Goods Inc. is the North American company headquarters for research and development. The 350,000 square foot LEED Certified building contains laboratories and pilot plants designed to run small batch-type scale samples that support research and development of the Home, Laundry, Personal Care, and Hair Care products. Product development labs include Personal, Home, and Laundry Care. Additionally, there are two pilot plants, one for Personal Care and one for Laundry/Home Care. Smaller support labs for analytical, microbiology, and package testing are also on site. Henkel is a non-categorical significant industrial user. Henkel implements a barcoding system with a full-time staff member to track accumulated hazardous waste, which is collected and hauled off site for treatment and disposal.</p>
First Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 01/28/2015 City sample with TTO's. 02/20/2015 IU sample without TTO's.</p>
Second Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 04/08/2015 City sample data reviewed Heptachlor present. 04/14/2015-04/16/2015 City samples 04/16/2015 samples were split and send to 2 outside labs both came back with Heptachlor present. 05/23/2015 IU Sample Heptachlor present. 06/23/2015 IU Sample No Violations.</p>
Third Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 07/24/2015 City Sample Heptachlor present. 08/12/2015 IU Sample Heptachlor present. 08/18/2015 IU Sample No Violations.</p>
Fourth Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 10/06/2015 NOV was issued for the Heptachlor violations. This is still pending and will go to Show Cause Hearing early 2016. 10/28/2015 IU Sampling No Violations. 11/17/2015 -11/20/2015 City Sampled split 11/17/2015 sample with IU both samples Heptachlor present. 12/09/2015 City Sample No Violations. 12/16/2015 IU Sample split sample with city No Violations.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mayo Clinic Scottsdale

Process Flow: 75,000 (GPD) Average

General Information and type of wastewater treatment	<p>Mayo Clinic Scottsdale is a multi-specialty outpatient treatment clinic located on a 250 acre campus. Mayo Clinic Scottsdale also conducts medical research related activities at their multiple research laboratories located at the SC Johnson research facility. This Industrial User is a non-categorical significant industrial user. Mayo Clinic utilizes pH neutralization treatment and best management practices at all of their analytical, research laboratories and ancillary operations.</p>
First Quarter	<p>City of Scottsdale and Mayo clinic separately conducted quarterly sample monitoring of the facility.</p>
Second Quarter	<p>City of Scottsdale and Mayo clinic separately conducted quarterly sample monitoring of the facility.</p>
Third Quarter	<p>City of Scottsdale and Mayo clinic separately conducted quarterly sample monitoring of the facility.</p>
Fourth Quarter	<p>City of Scottsdale and Mayo clinic separately conducted quarterly sample monitoring of the facility. City staff conducted two inspections of the facility during this quarter.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Scottsdale Healthcare – Osborn

Process Flow: 122,000 (GPD) Average

General Information and type of wastewater treatment

Scottsdale Healthcare Osborn is a full service hospital health care facility (SIC 8062). Scottsdale Healthcare Osborn is a non-categorical significant industrial user. Scottsdale Healthcare Osborn utilizes Best Management Practices as their primary treatment of process wastewater.

First Quarter

City of Scottsdale and Scottsdale Osborn separately conducted quarterly sample monitoring of the facility.

Second Quarter

City of Scottsdale and Scottsdale Osborn separately conducted quarterly sample monitoring of the facility.

Third Quarter

City of Scottsdale and Scottsdale Osborn separately conducted quarterly sample monitoring of the facility.

Fourth Quarter

City of Scottsdale and Scottsdale Osborn separately conducted quarterly sample monitoring of the facility.
City staff conducted one inspection of the facility during this quarter.

To be published for this year in newspaper for Significant Non-Compliance?

 Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Scottsdale Healthcare – Shea

Process Flow: 154,000 (GPD) Average

General Information and type of wastewater treatment

Scottsdale Healthcare Shea, formerly Scottsdale Memorial Hospital North is a full service hospital health-care facility (SIC 8062). Scottsdale Healthcare Shea is a non-categorical significant industrial user. Scottsdale Healthcare Shea utilizes pH neutralization and Best Management Practices as their primary treatment of process wastewater.

First Quarter

City of Scottsdale and Scottsdale Health Care Shea separately conducted quarterly sample monitoring of the facility.

Second Quarter

City of Scottsdale and Scottsdale Health Care Shea separately conducted quarterly sample monitoring of the facility.

Third Quarter

City of Scottsdale and Scottsdale Health Care Shea separately conducted quarterly sample monitoring of the facility.

Fourth Quarter

City of Scottsdale and Scottsdale Health Care Shea separately conducted quarterly sample monitoring of the facility.
City staff conducted one inspection of the facility during this quarter.

To be published for this year in newspaper for Significant Non-Compliance?

 Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Scottsdale Healthcare – Thompson Peak Parkway

Process Flow: 33,724 (GPD) Average

General Information and type of wastewater treatment

The Thompson Peak Parkway location is a part of the Scottsdale Healthcare network of hospitals. The facility is a full service hospital with a certified Chest Pain Center, emergency department, and inpatient/outpatient surgery center. Scottsdale Healthcare-Thompson Peak Parkway is a non-categorical Significant Industrial User (SIU) and utilizes pH neutralization in its laboratory sinks and implements Best Management Practices (BMPs). There is no physical pretreatment system in place.

First Quarter

The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.

Second Quarter

The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.

Third Quarter

The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.

Fourth Quarter

The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring. City staff conducted one inspection of the facility during this quarter.

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

SECTION 2.5
CITY OF TEMPE

POTW PRETREATMENT ANNUAL REPORT

CITY OF TEMPE, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Phoenix Information Contained in the Report:

David McNeil
Environmental Services Manager
Post Office Box 5002
Tempe, Arizona 85280
480-350-2844

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all CITY OF TEMPE attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

11-Feb-16

Date:



Marilyn DeRosa
Deputy Director of Public Works
Water Utilities Division City of Tempe, Arizona



INTRODUCTION

Tempe, pronounced “Tem-pee”, with a population of greater than 172,000 is the seventh largest city in the State of Arizona. Tempe is located in the heart of the Phoenix metropolitan area and is bordered by the cities of Scottsdale, Mesa, Phoenix and Chandler. The average annual rainfall is 7 inches, the average high temperature is 85 degrees and the average low is 51 degrees.

The City was founded in 1872 by Charles Trumbull Hayden when he established Hayden Milling and Farming Ditch Company (at one time Hayden Flour Mills was the oldest continuously operating business in the State). Tempe, at an elevation of 1,105 feet, was incorporated in 1894 and presently encompasses approximately 40 square miles. Town of Guadalupe is also a part of the Tempe service area, with a land area of 0.667 square miles.

One of the major cities in the Metro Phoenix area, Tempe has a diversified economic base. It is primarily a manufacturing city, with firms including producers of electronics, propulsion equipment, pre-fabricated housing, machine products and mobile homes. In addition, there are commercial services, shopping centers, banking, developers, lodging and the spectrum of services necessary to support manufacturing, residences and employment. Tempe has industrial parks, which house heavy, medium, and light industrial activities. The industrial sector is the largest work sector in Tempe, employing approximately 33 percent of Tempe’s work force.

Tempe is home to Arizona State University’s main campus. ASU is one of the five largest public universities in the nation, with an enrollment of approximately 50,000 students at Tempe’s 700 acre main campus. Tempe is also home to the 323-acre Arizona State University Research Park.

EPA approved the Industrial Waste Pretreatment Program for Tempe in 1983. The objectives of this program are to regulate discharges primarily from non-domestic users (commercial and industrial facilities) which discharge toxic wastes or unusually strong conventional wastes that must be treated by the POTW (Publicly Owned Treatment Works). Discharges from these facilities are regulated by enforcing federal standards prohibiting certain discharges, enforcing national categorical standards, and enforcing local discharge limits.



Summary of Pretreatment Program Changes

January 1, 2015, through December 31, 2015

Tempe's philosophy of encouraging industrial user ("IU") compliance continues to strengthen through use of the 2012 Enforcement Response Plan ("ERP"), which utilizes a point system and review criteria similar to SNC methodology. Two Consent Orders ("CO") were issued in 2015 calendar year. The results of the CO's have demonstrated an increase in compliance for each of the IUs. The ERP and approval documents can be reviewed at: <http://www.tempe.gov/home/showdocument?id=2932> .

The Environmental Compliance Inspection staff remains at full staffing level of seven inspectors. Inspections are being conducted in a multi-media fashion. Each Inspector is responsible for pretreatment (SIU, IU, and commercial), stormwater compliance (MSGP and City Code), backflow, and air quality concerns.

Development and use of a compliance data system (CDS) continues for the Pretreatment, Backflow, Stormwater, and Air Quality programs. The backflow module is operational, while the pretreatment and commercial inspection compliance data systems are currently under reconsideration. A solution is expected to be fully operational by December 31, 2016.

Environmental Services continues to support the Tempe Grease Cooperative ("TGC"). Membership has expanded outside of the downtown service area, and in 2015 TGC won the Arizona Department of Environmental Quality. Voluntary Environmental Stewardship Program's Cooper Award, and was showcased at the Water and Environment Federation's ("WEF") 2015 FOG Seminar in Washington D.C.

As of December 31, 2015, 100 FSEs and five permitted IUs including, Arizona State University, are TGC members. More information about the Tempe Grease Cooperative can be obtained at <http://www.tempe.gov/grease> .

Environmental Services updated the Rules and Procedures for Traps and Interceptor in 2015. Significant changes include right sizing cleaning frequencies for schools, and addressing the use of grease protection devices as a disposal commissaries. The revisions are set to go to council in 2016.

Tempe's investigation into the S::CAN "spectrometer probe" at Tempe's TP-01 is still ongoing. Currently, the S::CAN technology is being studied through a 3rd party vendor under the guidance of the SROG Technical Advisory Committee. A calibration, cleaning, and standardizing procedure is being developed and tested and is scheduled for an April 2016 completion date. The goal is to establish "real time" monitoring in Tempe meter stations to serve as an early warning for the SROG owned wastewater treatment plant and to reduce the need to enter spaces for the purpose of collecting samples.

CITY OF TEMPE

Annual Best Management Practices Report

**Pollution Prevention through Point Source Control Measures
&
Educational Outreach Program Efforts
for January 1, 2015 through December 31, 2015**

CITY OF TEMPE

2015 ANNUAL BEST MANAGEMENT PRACTICES REPORT OF POLLUTION PREVENTION THROUGH POINT SOURCE CONTROL MEASURES & EDUCATIONAL OUTREACH PROGRAM EFFORTS

POLLUTION PREVENTION THROUGH POINT SOURCE CONTROL PROGRAMS

Information shown constitutes continuous and ongoing efforts by the City of Tempe Environmental Services Division staff to prevent, reduce, and/or eliminate pollutants from entering the sewer collection system.

POINT SOURCE CONTROL PROGRAM

The City of Tempe continues its efforts to identify controllable sources of pollutants that are discharged to the City of Phoenix 91st Avenue Wastewater Treatment Plant. The City continues to monitor commercial and industrial discharge sources to identify possible sources of beryllium, chromium, copper, cyanide, lead, nickel, selenium, and thallium as well as Total Toxic Organic Compounds (“TTO”), and other prohibited materials in addition to those identified at industrial facilities currently under permit with the City of Tempe.

The City continues its efforts in meeting the requirements of the Storm Water Discharge National Pollution Discharge Elimination System (NPDES) Permit. The Environmental Services Division continues to develop the Annual Storm Sewer Discharge Report for the City of Tempe for each fiscal year in accordance with AZPDES permit AZS000005-2010. Staff members continue to gather information required by the permit.

City of Tempe Permanent Household Products Collection Center (HPCC)

The City of Tempe is committed to responding to the needs of its citizens and protecting the environment. The establishment of the permanent Household Products Collection Center enables the City of Tempe to:

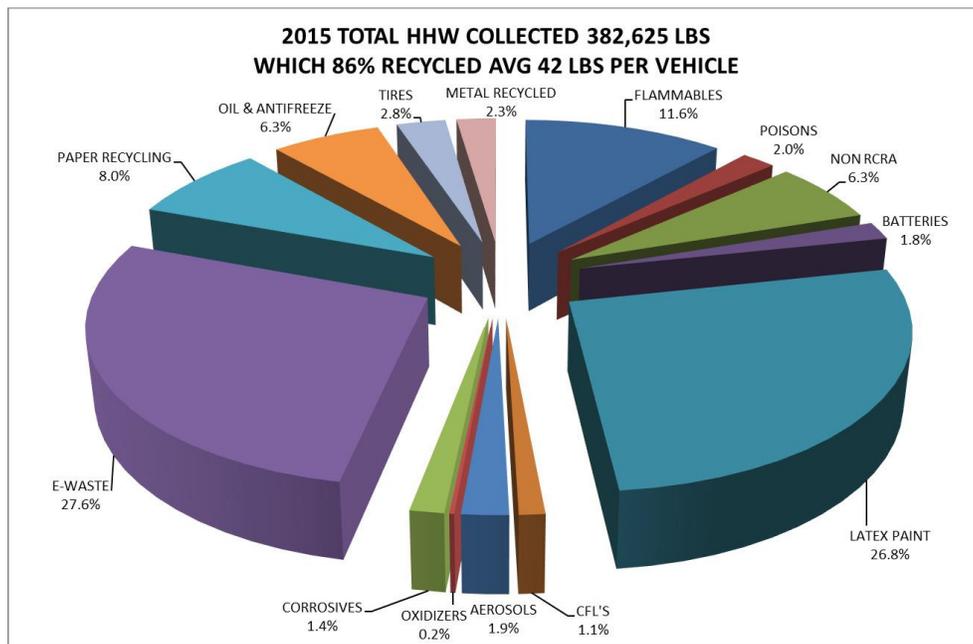
- Provide for the safe and convenient disposal of most common household products on a continuous basis;
- Enhance recycling of collected materials;
- Protect the environment and public health and safety by reducing the amount of illegal dumping; and to
- Provide public education on the proper management of household chemicals.

Participation at the facility has increased by 41 percent in 2015 with a total of 12,726 visitors that resulted in the diversion of 382,625 pounds of waste that

could have otherwise been disposed of in a landfill or sanitary sewer system. The HPCC has had monthly shipments of waste leave the site during 2015. The permanent facility is not able to accept radioactive materials, medical waste, ammunition, or explosive materials. However, information on proper disposal options is provided.

The establishment of the Swap Area, which enables residents to reuse virgin or near-virgin household materials, is one of the many source reduction activities the City is utilizing at the Collection Center. Others include the:

- Evacuation of aerosol cans and bulking the waste propellant and product;
- Recycling of metal containers and cardboard;
- Bulking common materials instead of lab packing them for disposal;
- Bulking latex paint, which is then provided “free-of-charge” to various organizations for graffiti removal or is used in the construction of new roadways; and
- Recycling used motor oil and antifreeze for post-consumer use.



The facility is staffed, managed and funded by the City’s Hazardous Materials and Safety/Household Products Collection Center. Responsibility for funding and staffing was transferred to the Solid Waste Division of the Public Works Department with the start of fiscal year 2009 -10 on July 1, 2009.

A complete report produced by the Household Products Collection Center staff is available on their website at: <http://www.tempe.gov/householdproducts>.

Environmental Services Section Home Page on the Internet

The City's Environmental Services Section continues to revise and update its Internet website within the City's home page on the World Wide Web Internet system.

The City's Internet system provides information on various Departments throughout the City, including the Environmental Services Section. This site includes information on staffing, information request forms, City activities, weather, job openings, and an array of other City business, including compliance and enforcement actions within the Environmental Services Section.

The Environmental Services Section has developed a documents and information section on its website. This allows a permitted industry to complete both the semiannual and/or annual reports "online," save, and print for submittal.

RESIDENTIAL COMMUNITY OUTREACH

A newsletter of events and activities, as well as an informational insert, is provided to the residents of Tempe in the monthly water bills. Environmental Services contributed to the articles listed below. All newsletters and inserts can be viewed at <http://www.tempe.gov/tempetoday>.

January, 2015, included an article with the title, "City launches new green organics-to-compost program." Clean, uncontaminated green organic material isn't taken to the landfill. Instead, it goes to a city facility where it is turned into compost. The green waste goes through a grinder and then "cooks" for up to nine months outdoors as water, air and heat break it down even further. Through this process, microbes stimulate decomposition, creating nutrient-rich compost. Once cooked, the material is sent to a lab for testing before being distributed to schools, city parks and at community events.

February, 2015 included an article with title, "New lab to make more efficient work of making healthy water." Tempe recently completed construction an 11,000-square-foot laboratory at the city's south water treatment plant that is expected to better enable Tempe's chemists and water sampling team to sample, test and analyze the water supply.

March 2015, included an article with the title "Earth Day Green Expo." Tempe held its first green expo on Earth Day to celebrate the city's eco-friendly successes and to rally residents around future goals. Several city departments and local businesses were on hand to show off all that's being done to make Tempe an even more sustainable place to live, work and play.

April, 2015 included an article with the title, “Tempe Grease Cooperative is keeping city sewers clean.” Since its launch in 2014, the Grease Coop has added more than 100 restaurants and removed more than 150,000 pounds of grease and grease-saturated wastewater from the city’s sewer infrastructure. The program continues to grow – interns from ASU’s School of Sustainability are employed as “program ambassadors” to reach out to local restaurants and assist with marketing and new memberships. Tempe has partnered with ASU to study the food waste stream citywide and determine the feasibility of turning it into renewable energy. For more information, visit www.tempe.gov/grease .

July, 2015 included an article with the title “Stormwater Tips.” Since this water drains directly into our lakes and rivers, it’s important to keep it free of pollutants. Water that washes over the ground during a rainstorm can pick up materials like pet waste, car oil, fertilizers and chemicals. Large quantities of these pollutants can have a serious effect on water quality. That’s why the City of Tempe encourages residents to be stormwater smart and help make sure only water enters the storm drains when it’s raining.

September, 2015 included an article with the title, “Safely dispose of expired drugs.” The City of Tempe Police and Drug Enforcement Agency sponsored an anonymous disposal event for unneeded and expired prescription and over-the-counter medications at an event September 26, 2015. This event encourages community members not to dispose of these types of medications by flushing down toilets.

In October, 2015 Tempe Environmental Service’s staff attended a “GAIN” Getting Arizona Involved in Neighborhoods event. Staff distributed educational material and were on-hand to discuss Tempe’s environmental programs with residents and neighborhood leaders.

Additional outreach flyers were given to individuals attending events such as the Zero Waste Day (April 18, 2015) & (November 14, 2015) and the Tempe Arts Festival (March 27-29, 2015) & (December 6-8, 2015) as well as other outreach events that will best reach residential customers.

INDUSTRIAL AND COMMERCIAL COMMUNITY OUTREACH

The City of Tempe continues its public education outreach program by placing articles on pollution prevention, household recycling, and Best Management Practices (BMPs) in the *Tempe Today* newsletter. In addition, the publication of the *Tempe Environmental Bulletin*, a quarterly newsletter in electronic format, is issued to Tempe Industrial users and contained articles on pollution prevention.

Best Management Practices (BMPs) brochures including: “Fats, Oils and Grease (FOG) Management for the Food Service Industry”, and “Why Does the City of Tempe Perform Industrial/Commercial Facility Inspections?” and additional relevant documents are given to industrial facilities during site inspections. These documents are posted with other Best Management Practices brochures on the City’s website at: <http://www.tempe.gov/stormwatertips>.

Members of the City's Environmental Services Section are actively involved in various environmental, health and safety organizations such as the Arizona Water Pollution Control Association and the Water Environment Federation.

As reported in the Pretreatment Performance Summary, 45 inspections were conducted at the Significant Industrial Users (SIUs). Environmental staff conducted an additional eight (8) inspections at Industrial Users who are permitted with either a Class II or III discharge permit during the period of January 1, 2015, through December 31, 2015.

A total of 111 calls were responded to during the 2015 calendar year. Environmental staff works closely with other sections within the Water Utilities Division as well as other City Departments to prevent discharges to both the sanitary and storm sewers that could adversely impact both systems. The responses to the calls are summarized in the following manner:

Type of Call/Complaint	Count
Illegal Discharge (all types of waste)	12
Interceptor/Traps	1
Odor	5
Other (Dust, Illegal Disposal)	59
SSO (Private)	6
Storm water	28

The City of Tempe Storm Water hotline number is (480) 350-2811. Complaints may also be filed online at: <http://www.tempe.gov/stormwater> .

During 2015, 791 sampling inspections were completed, 408 at categorical facilities and 383 at non-categorical facilities. Approximately 105 walk-through inspections were completed, and 100 inspections were completed at commercial food establishments beyond the permitted pretreatment facilities. Additionally, the City is provided with a device condition inspection form after every service performed under the Tempe Grease Cooperative, and maintains a constant dialogue with our contracted hauler4.

Tempe Grease Cooperative

The City of Tempe offers Food Service Establishments (FSEs), including schools, restaurants, and production facilities the opportunity to participate in an innovative “green partnership” to better manage fats, oils and grease (FOG) by joining together to procure quality service at a lower cost. After almost six years of research and development made possible by a U.S. Department of Energy grant, the City launched the Tempe Grease Cooperative (TGC) in March 2014, a voluntary program that:

- Reduces odors and plumbing backups by providing high quality service for Tempe’s restaurants,
- Creates more sustainable plumbing and municipal sewer infrastructure, and
- Explores the use of trap and interceptor waste as a renewable energy supply.

As the administrative arm of the cooperative, the City has collectively purchased grease trap and interceptor maintenance services, line-jetting, minor plumbing repairs, and yellow grease services on behalf of member FSEs. The City manages the contracts on behalf of member FSEs, with no added cost for administration. The City’s Grease Cooperative provides additional no-cost expert services such as plumbing and odor diagnostics to ensure traps and interceptors are performing as designed, and provides advocacy to ensure that members’ needs are met and concerns are addressed. Required cleaning and maintenance activities are performed under the City’s administration, eliminating members’ compliance risk for those activities.

The program is voluntary, and FSEs can choose to join or withdraw at any time. Prior to enrollment, prospective members receive detailed information about terms and benefits, including pricing. The City is committed to ensuring that TGC membership provides value to Tempe’s restaurants and the community as a whole. This is first step in the city’s plan to transform collected waste grease into renewable energy. As of December 31, 2015 there are 105 members in the Tempe Grease Cooperative.

In 2015, TGC received the Arizona Department Environmental Quality’s Voluntary Environmental Stewardship Program’s Cooper Award for it’s commitment to environmental stewardship.

The TGC has the support of the Arizona Department of Environmental Quality, Arizona State University, and local Tempe restaurateurs who believe in doing the right thing for their business and the community. For more information about the grease cooperative visit: <http://www.tempe.gov/grease>.

The City of Tempe participates in the AZ FOG Group (formerly the Multi-City FOG Group), an association of municipal pretreatment agencies, public and private sewer districts, non-hazardous liquid waste haulers, treatment facilities and manufacturers of treatment devices, Maricopa County, and the State of

Arizona Pretreatment Coordinator. Each member deals with specific sanitary sewer regulations that are in place to control discharges from commercial food establishments. The goal of the Multi-city FOG Group is to reduce the amount of fats, oils, and grease that enter the sanitary sewer systems by adhering to four concepts: inclusion, commonality, consistency, and education.

CITY OF TEMPE

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

January 1, 2015 – December 31, 2015– Total Pretreatment Expenditures

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2014</u>	<u>FTEs 2015</u>
Deputy Director Public Works – Water Utilities	1.0	1.0
Environmental Services Manager	1.0	1.0
Environmental Compliance Supervisor	1.0	1.0
Environmental Compliance Inspector	7.0	7.0
Water Quality Specialist	5.0	4.0
Administrative Assistant II	2.0	2.0

PRETREATMENT PROGRAM EXPENDITURES

Personnel	*\$1,386,527.06
Equipment Operation & Maintenance	\$220,468.35
Laboratory	\$174,686
Pollution Prevention	**\$1309

*Based on Fiscal Year 15/16 **Estimated

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
ISCO Wastewater Sampler	1	37
ISCO Area Velocity Meters	0	5
ISCO Flow Meter Modules (pH/ultra-sonic)	1	16
ISCO Laser Flow Meters	3	5
S::Can Spectrometer Probe	0	1
Vehicles	1	13
Gas Detectors	3	14
Computers (desktop/laptop)	14	16

CITY OF TEMPE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	Acme Aerospace Inc. 528 West 21st Street Tempe AZ 85282	COP 91 st Ave	3692	461.15
2.	Advanced Circuits 229 South Clark Street Tempe AZ 85281	COP 91 st Ave	3672	433.17
3.	Advotech 632 West 24th Street Tempe AZ 85282	COP 91 st Ave	3674	469.18
4.	Aerospace Contacts, LLC 560 West Southern Avenue Tempe AZ 85282	COP 91 st Ave	3643	433.17
5.	APS 1500 East University Drive Tempe AZ 85281	COP 91 st Ave	4911	423.16
6.	Arizona Production & Packaging 7303 South Kyrene Road Tempe AZ 85283	COP 91 st Ave	2086	LOCAL LIMITS
7.	Arizona State University 1551 South Rural Road Tempe AZ 85281	COP 91 st Ave	8221	LOCAL LIMITS
8.	Arizona State University Macro Technology Works 7700 South River Parkway Tempe AZ 85284	COP 91 st Ave	3679	LOCAL LIMITS
9.	Coxreels, Inc 5865 South Ash Avenue Tempe AZ 85283	COP 91 st Ave	3499	433.17
10.	Foresight Finishing LLC 1102 West Geneva Drive Tempe AZ 85282	COP 91 st Ave	3471	433.17
11.	Gorilla Industrial Coatings LLC 2605 South Industrial Park Avenue Tempe AZ 85282	COP 91 st Ave	3479	433.17
12.	Group Manufacturing 815 W Geneva Drive Tempe AZ 85282	COP 91 st Ave	3444	433.17
13.	Honeywell International, Inc. 1300 W Warner Road Tempe AZ 85284	COP 91 st Ave	3471	433.17
14.	HSIO Circuit Technologies LLC 610 South Rockford Drive Tempe AZ 85281	COP 91 st Ave	3672	433.17
15.	L-3 Communications Corporation ETO 1215 South 52nd Street Tempe AZ 85281	COP 91 st Ave	3672	433.15
16.	Lawrence Semiconductor Research Laboratory Inc 2300 West Huntington Drive Tempe AZ 85282	COP 91 st Ave	3674	469.18
17.	Medtronic Microelectronics Center 2343 West Medtronic Way Tempe AZ 85281	COP 91 st Ave	3471	469.16

CITY OF TEMPE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
18.	Microchip Technology Inc. 1200 South 52nd Street Tempe AZ 85281	COP 91 st Ave	3674	469.18
19.	Nalco Cal Water LLC 685 West Elliot Road Tempe, AZ 85284	COP 91 st Ave	3589	LOCAL LIMITS
20.	Pan Jit Americas, Inc. 2502 West Huntington Drive Tempe AZ 85282	COP 91 st Ave	3674	469.18
21.	Phoenix Coca-Cola Bottling Co 1850 West Elliot Road Tempe, AZ 85284	COP 91 st Ave	2086	LOCAL LIMITS
22.	Photo Design Of Arizona 3105 South Potter Drive Tempe AZ 85282	COP 91 st Ave	3479	433.17
23.	Precision Die & Stamping 1704 West 10th Street Tempe AZ 85281	COP 91 st Ave	3469	433.17
24.	Precision Powdercoat 1616 South Edward Tempe AZ 85281	COP 91 st Ave	3479	433.17
25.	Safeway Inc. 1115 West Alameda Drive Tempe AZ 85282	COP 91 st Ave	2026	LOCAL LIMITS
26.	Schreiber Foods Inc. 2122 South Hardy Drive Tempe AZ 85282	COP 91 st Ave	2022	LOCAL LIMITS
27.	Southwest Metal Finishing Inc. 2002 West Campus Tempe AZ 85282	COP 91 st Ave	3471	433.17
28.	SRP K7GS 7005 South Kyrene Road Tempe AZ 85283	COP 91 st Ave	4911	423.16
29.	Sun Orchard, Inc 1198 West Fairmont Drive Tempe AZ 85282	COP 91 st Ave	2033	LOCAL LIMITS
30.	Tempe Campus SPV, LLC 2100 East Elliot Road Tempe AZ 85284	COP 91 st Ave	3471	433.17
31.	Trion Technology Inc 1025 South 52nd Street Tempe AZ 85281	COP 91 st Ave	3674	469.18
32.	United Dairymen Of Arizona 2008 South Hardy Drive Tempe AZ 85282	COP 91 st Ave	2023	LOCAL LIMITS

CITY OF TEMPE

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users have commenced operations in 2015:

None

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

Aerospace Contacts LLC
560 W. Southern Ave.
Tempe, AZ 85282

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

HEI Inc.
610 S. Rockford Drive
Tempe, AZ 85281

IS NOW Cochlear Tempe LLC.
610 S. Rockford Drive
Tempe, AZ 85281

Cochlear Tempe LLC.
610 S. Rockford Drive
Tempe, AZ 85281

IS NOW HSIO Circuit Technologies LLC.
610 S. Rockford Drive
Tempe, AZ 85281

(HEI Inc. sold to Cochlear Tempe LLC, who sold to HSIO Circuit Technologies LLC, and both transactions occurred in 2015)

City of Tempe
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information							
Control Authority Name: City of Tempe			NPDES No.: AZ0020524				
Address: P.O. Box 5002		City: Tempe		State: Arizona		ZIP: 85282	
Contact Person: David McNeil				Contact Telephone Number: (480)350-2844			
Reporting Period: January 1 – December 31, 2015		Categorical IUs: 23		Significant Non-Categorical IUs: 9			
II. Significant Industrial User Compliance							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of SIUs in Full Compliance	20	86.96	5	55.56	25	78.13
2.	No. of SIUs in Inconsistent Compliance	3	13.04	4	44.44	7	21.88
3.	No. of SIUs in Significant Noncompliance	0	0	0	0	0	0
4.	No. of Parameter Violations	7		17		24	
5.	No. of Reporting Violations	0		0		0	
6.	No. of Permit Condition Violations	0		2		2	
III. Compliance Monitoring Program							
55.56		Categorical		Non-categorical		Total SIUs	
1.	No. of Control Documents Issued	23		9		31	
2.	No. of Nonsampling Inspections Conducted	33		12		45	
3.	No. of Facilities Inspected (Nonsampling)	23		8		31	
4.	No. of Sampling Visits Conducted	408		383		791	
5.	No. of Facilities Sampled	22		9		31	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
1.	Notices of Violations Issued to SIUs	10		20		30	
2.	Temporary Increase in IU Self-Monitoring	0		0		0	
3.	Administrative Orders Issued to SIUs	10		20		30	
4.	Compliance Schedules Issued	1		2		3	
5.	Settlement Agreements	1		2		3	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 27,500.00		\$ 231,250.00		\$ 258,750.00	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Acme Aerospace Inc.
 Process Flow: 0.000676 mgd

General Information and type of wastewater treatment	<p>Acme is a NiCad battery manufacturer. NiCad battery manufacturing is regulated under mass based standards as outlined in 40 CFR 461-A. Nickel plating waste undergoes ion exchange, alkaline precipitation and filtration. Treatment is done in batch format. Acme self-monitors each batch discharge.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Advanced Circuits		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 229 South Clark Drive Tempe, AZ 85281		MAILING ADDRESS: 229 South Clark Street Tempe, AZ 85281		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: T-E	BMR SUBMITTED: 10/31/1987	
TTO CERTIFICATION DATE SUBMITTED: 6/26/2015		PERMIT EFFECTIVE: 12/15/2014	PERMIT EXPIRES: 12/14/2018	
SAMPLING LOCATION VERIFIED ON: 11/4/2015		RCRA NOTICE: 4/21/1993		
SLUG CONTROL PLAN EVALUATION DATE: 1/28/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	0	1
Number of City Sampling Days	6	7	6	3
Number of IU Sampling Days	4	0	7	0
Number of Parameter Violations	1	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1	Daily	3/19/2015	Composite	City	City	Cu	3.06/1.5	27
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A,B	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Advanced Circuits
 Process Flow: 0.026885 mgd

General Information and type of wastewater treatment	<p>Advanced Circuits is a manufacturer of printed circuit boards as described under 40 CFR 433.</p> <p>Pretreatment is by alkaline precipitation and filtration. Final effluent is pH corrected prior to discharge. Advanced Circuits is required to self-monitor discharges. Cyanide processes and solutions are zero discharge.</p>
First Quarter	<p>Advanced Circuits violated the local limits for copper during March 19, 2015. Copper result 3.06 mg/l, limit 1.5 mg/l, violation will be addressed in the following quarters.</p>
Second Quarter	
Third Quarter	<p>Advanced Circuits was issued one NOV/AO for exceeding the copper limit during March 2015.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Advotech

Process Flow: 0.001065 mgd

General Information and type of wastewater treatment

Advotech is permitted as a Class I Significant Industrial User under CFR 469 - Electrical and Electronic Components Point Source Category, Subpart A - Semiconductor Subcategory (469.18 PSNS) due to dicing operations.

Wastewater is pumped through a 25-micron filter, then a 1-micron filter. Once through the filters, the water dumps into a 120-gallon holding tank. The wastewater is then discharged to a floor sink by gravity; from there, it enters the City of Tempe sanitary sewer system.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Aerospace Contacts LLC

Process Flow: mgd

General Information and type of wastewater treatment

Aerospace Contacts LLC conducts a passivation process that is considered a coating operation which is one of the six primary metal finishing operations as defined in 40 CFR 433.10.

No process discharge from this facility. All waste is shipped off site.

First Quarter

A Consent Order was signed 1/22/2015 for Violations that occurred in 2014. Aerospace Contacts permit was reclassified to zero discharge in February 2015.

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: APS
 Process Flow: 0.07734 mgd

General Information and type of wastewater treatment	This facility consists of two 115-megawatt oil/natural gas fired steam turbine electric generators; regulated as 40 CFR 423 (Steam Generating Station). The primary wastewater is the result of cooling tower blow downs. Arizona Public Service (A.P.S.) Company operates this facility on a seasonal basis.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Arizona Production & Packaging		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 7303 South Kyrene Road Tempe, AZ 85283		MAILING ADDRESS: 7303 South Kyrene Road Tempe, AZ 85283		
CATEGORICAL USER? No	40 CFR USER	LIMITS APPENDIX: T-A	BMR SUBMITTED: 3/10/2004	
TTO CERTIFICATION DATE SUBMITTED: 8/3/2015		PERMIT EFFECTIVE: 7/1/2014	PERMIT EXPIRES: 6/30/2018	
SAMPLING LOCATION VERIFIED ON: 11/19/2015		RCRA NOTICE: 11/16/2004		
SLUG CONTROL PLAN EVALUATION DATE: 1/29/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	4	0	3	9
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	0	0	2	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	1	0
Compliance Status	C	C	I	C
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3	Instantaneous	7/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
3	Permit Cond. Instantaneous	7/2015	N/A	N/A	N/A		Failure to immediately notify.	
3		8/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A, B, F	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Production & Packaging
 Process Flow: 0.00001 mgd

General Information and type of wastewater treatment	APP bottles both vitamin and herbal dietary supplements. All cleaning solutions used in the CIP system are adjusted with either an acid or sodium hydroxide to meet Local Limit pH standards. All batches are sampled for pH and logged prior to discharge.
First Quarter	
Second Quarter	
Third Quarter	AZ Pack was issued two NOV/AO with fines for violating the pH policy during July (\$126,250.00) and August (\$25,000.00) 2015. A Show Cause Hearing will be scheduled for the fourth quarter of 2015.
Fourth Quarter	A Show Cause hearing was held November 2015. A Consent Order will be issued in the first quarter of 2016.

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 151,250.00 Collected \$ 151,250.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona State University

Process Flow: 0 mgd

General Information and type of wastewater treatment	<p>Regulated wastes are generated from several sources on this campus. Those sources are: Science Buildings, the Physical Plant, and the Fine Arts Building. These are being sampled by ASU. The private sewer system that connects with the City of Tempe collection system is sampled by Tempe. There are four sampling points that are outlined in the discharge permit.</p> <p>The hazardous waste is lab packed and shipped off-site by a contracted waste hauler.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona State University Macro Technology Wor

Process Flow: 0.0522 mgd

General Information and type of wastewater treatment	<p>The Arizona State University Research Lab is a research facility in partnership with the following firms: DuPont Displays, Kodak, Honeywell, General Dynamics, Raytheon, Universal Display Corp., Kent Displays, E Ink, FlexICs, Three-Five Systems, General Atomics, Optiva, ECD, Southwall, the U.S. Display Consortium, and AGI. The primary project to be developed is a small, portable information screen that soldiers could use on the battlefield. The 250,000-square foot facility includes about 43,500 square feet of clean rooms and wet/dry labs that the University will use to develop the technologies that will go into the project.</p> <p>A large treatment facility is available for the wastewater generated. The primary discharge is from the production of RO reject water, which is neutralized prior to discharge. pH monitoring is taking place per the permit requirements. Discharge volumes are currently at an average of 57 gallons per minute.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Coxreels, Inc
Process Flow: 0.00216 mgd

General Information and type of wastewater treatment	<p>Coxreels Inc. has a phosphating operation prior to powder coating sheet metal and is regulated under 40 CFR 433-Metal Finishing (PSNS). Pretreatment is pH neutralization prior to discharge along with a sump settling tank. There is also continuous pH monitoring of the effluent prior to discharge.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Foresight Finishing LLC
 Process Flow: 0.000001 mgd

General Information and type of wastewater treatment	<p>Foresight Finishing specializes in precious and non-precious metal plating. It provides copper, nickel, and gold plating for aerospace, defense, medical, electronic, major OEMS, and general job shop facilities.</p> <p>Foresight Finishing performs ion and cat ion filtration for Cyanide treatment. Metal bearing wastes are treated using a tandem of micron pre-filter, carbon absorption filter followed by a post-micron filter. All wastes are routed to segregated tanks marked either metal bearing or non-metal bearing waste; at this point, the waste water goes through a final pH adjustment before discharge.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Gorilla Industrial Coatings LLC
 Process Flow: 0.003 mgd

General Information and type of wastewater treatment	<p>Gorilla Industrial Coatings is a phosphating and powder coating operation of aluminum or steel. This is a metal finishing operation regulated under 40CFR 433-Metal Finishing Point Source Category, Subpart A-Metal Finishing, Subcategory 433.17-Pretreatment Standards for New Sources (PSNS).</p> <p>Currently, there is no pretreatment of process discharges at this facility. Overflow City water rinses are the only discharges entering the sanitary sewer.</p>
First Quarter	
Second Quarter	<p>A Violation for Zinc exceeding both Daily and Monthly Categorical Limits occurred on 4/29/2015. The Notice of Violation will be issued during the 3rd Quarter.</p>
Third Quarter	<p>The NOV was issued on 9/2/2015 for the Zinc exceedance. No fine was issued due to not enough points accrued for incidence.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

For the Year Ending December 31, 2015

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Group Manufacturing

Process Flow: 0.00505 mgd

General Information and type of wastewater treatment	<p>Group Manufacturing performs chromating on base material, which is a coating process identified as one of the six metal finishing operations under 40 CFR 433.17 - Metal Finishing Point Source Category , Subpart A - Metal Finishing Subcategory (PSNS).</p> <p>The wastewater treatment consists of pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International

Process Flow: 0.022335 mgd

General Information and type of wastewater treatment
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Honeywell is a manufacturer of fluid controls, actuation, power transfer, and aerospace system components. The metal finishing of these products is regulated under 40 CFR 433.17.

Pretreatment includes metal precipitation, cyanide oxidization, chromium (+6) reduction, and pH adjustment.

First Quarter	
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Second Quarter	
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Third Quarter	
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Fourth Quarter	
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To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: HSIO Circuit Technologies LLC
 Process Flow: 0.051688 mgd

General Information and type of wastewater treatment	HEI is a manufacturer of printed circuit boards as described under 40 CFR 433. Pretreatment is by alkaline precipitation and filtration. Final effluent is pH corrected prior to discharge.
First Quarter	On February 7, 2015 HEI filed bankruptcy, and was purchased by Cochlear Tempe LLC.
Second Quarter	
Third Quarter	
Fourth Quarter	Cochlear Tempe LLC was purchased on December 14, 2015 by HSIO Circuit Technologies LLC.

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: L-3 Communications Corporation ETO		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 1215 South 52nd Street Tempe, AZ 85281		MAILING ADDRESS: 1215 South 52nd Street Tempe, AZ 85281		
CATEGORICAL USER? Yes	40 CFR 433.15	LIMITS APPENDIX: T-E	BMR SUBMITTED: 7/3/1984	
TTO CERTIFICATION DATE SUBMITTED: 7/31/2019		PERMIT EFFECTIVE: 8/1/2015	PERMIT EXPIRES: 7/31/2019	
SAMPLING LOCATION VERIFIED ON: 12/11/2014		RCRA NOTICE: 12/18/1998		
SLUG CONTROL PLAN EVALUATION DATE: 8/21/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	1	0	0
Number of City Sampling Days	8	6	6	0
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	0	2	1	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	I	I	C
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2	Daily Limit	5/5/2015	Composite	City	City	Arsenic	0.13/0.16	3
2	Daily Limit	5/6/2015	Composite	City	City	Arsenic	0.13/0.16	3
3	Instantaneous	9/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A,B		

Enforcement Status Codes

A - Notice of Violation (NOV)
B - Administrative Order (AO)
C - Civil Action Filed

F - Assessment of Monetary Penalties
G - Restriction of Flow
H - Permit Revocation

K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year
L - Temporary Increase in IU Self-Monitoring (TISM)

D - Criminal Action Filed

I - Compliance Schedule Issued

N- No Enforcement Action

E Pretreatment Settlement Agreement (PSA) J - Disconnection from Sewer

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: L-3 Communications Corporation ETO

Process Flow: 0.116 mgd

General Information and type of wastewater treatment

L-3 Communications Company is a manufacturer of optoelectronic crystals and infrared devices used in the production of military hardware. The operations are regulated under 40 CFR 433.15.

This wastewater treatment system collects rinses from various process areas located within the facility, and is divided into two separate components. The first component consists of a neutralization system for the treatment of acids and alkali rinses (no metals). The second component is the ProChemTech metals removal system. All industrial wastewater is plumbed into the system and segregated into metal bearing and non-metal bearing waste streams.

First Quarter

Second Quarter

L-3 Communications violated the local limit for Arsenic on May 5 & 6, 2015. An NOV and AO will be issued.

Third Quarter

L-3 Communications ha a pH violation in the month of September 2015. An NOV and AO will be issued in the 4th quarter.

Fourth Quarter

L-3 Communications was issued an NOV and AO on December 2, 2015 for pH violations that occurred in September 2015 and an NOV and AO on October 29, 2015 for Arsenic violations occurring in May 2015.

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Lawrence Semiconductor Research Laboratory

Process Flow: 0.0293 mgd

General Information and type of wastewater treatment

Lawrence Semiconductor is a manufacturer of semiconductors dealing with vapor deposition equipment as described under 40 CFR 469 A.

Pretreatment consists of the addition of sodium hydroxide to the reaction chambers on a continuous basis for pH adjustment. Hydrofluoric acid, used in the pre-cleaning process of the wafers, is neutralized with ammonium hydroxide prior to discharge.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Medtronic Microelectronics Center

Process Flow: 0.0744 mgd

General Information and type of wastewater treatment

Medtronic Microelectronics Center performs precious metal electroplating regulated under 40 CFR 433.17.
The pretreatment process includes metal precipitation, filtration, and continuous pH neutralization. Internal self-monitoring is performed on a daily basis.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Microchip Technology Inc.
 Process Flow: 0.563261 mgd

General Information and type of wastewater treatment	Microchip manufactures semiconductor devices regulated under 40 CFR 469.18 PSNS. Pretreatment consists of pH neutralization, using either sulfuric acid or sodium hydroxide.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Nalco Cal Water LLC
Process Flow: 0.000001 mgd

General Information and type of wastewater treatment	Nalco is a resin regeneration plant that regenerates commercially available ion exchange resins used in water purification and is regulated under 40 CFR 403.5 Pretreatment is pH adjustment prior to discharge to sanitary sewer.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Pan Jit Americas , Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 2502 West Huntington Drive Tempe, AZ 85282		MAILING ADDRESS: 2502 West Huntington Drive Tempe, AZ 85282		
CATEGORICAL USER? Yes	40 CFR 469.18	LIMITS APPENDIX: T-F	BMR SUBMITTED: 2/4/1994	
TTO CERTIFICATION DATE SUBMITTED: 6/9/2015		PERMIT EFFECTIVE: 3/5/2015	PERMIT EXPIRES: 3/19/2019	
SAMPLING LOCATION VERIFIED ON: 12/17/2015		RCRA NOTICE: 1/8/1994		
SLUG CONTROL PLAN EVALUATION DATE: 7/6/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	8	7	6	1
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	0	1	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	I	C	C
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2	Instantaneous	6/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
			1st Quarter (Jan 1 – Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 – Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	A,B	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Pan Jit Americas , Inc.

Process Flow: 0.043 mgd

General Information and type of wastewater treatment	<p>Pan Jit Americas, Inc, manufactures integrated circuit semiconductors and is regulated under 40 CFR 433.17 Subpart A Metal Finishing Subcategory Pretreatment Standards for New Sources (PSNS).</p> <p>Pretreatment consists of a four-stage neutralization system using magnesium hydroxide and sulfuric acid for pH adjustment. Pan Jit installed a second back-up pH neutralization system.</p>
First Quarter	
Second Quarter	<p>PanJit violated the pH policy during June 2015, violation will be addressed during the third quarter of 2015.</p>
Third Quarter	<p>PanJit was issued a NOV/AO with no monetary penalties for violating the pH policy during June 2015.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

CITY OF TEMPE

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Phoenix Coca-Cola Bottling Co
 Process Flow: 0.59775 mgd

General Information and type of wastewater treatment	Phoenix Coca-Cola Bottling Company is a soft drink manufacturer regulated under 40 CFR 403.3. The pretreatment process includes pH neutralization using carbon dioxide, flow monitoring, online pH monitoring/recording.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Photo Design Of Arizona
 Process Flow: 0.000882 mgd

General Information and type of wastewater treatment	<p>Photo Design of Arizona performs reprographic services which consist of processing film for electronic companies regulated under 40 CFR 433.17, Metal Finishing New Point Source (PSNS).</p> <p>The pretreatment consists of electrolytic and polishing columns which flow to an evaporator and do not enter the sanitary sewer (zero waste discharge). Rinse waters are discharged to the POTW. Photo Design is required to analyze and document all batch discharges.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
 Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Precision Die & Stamping

Process Flow: 0.0007 mgd

General Information and type of wastewater treatment
--

Precision Die & Stamping (PD&S) machines various metal parts regulated under 40CFR 433-Metal Finishing Point Source Category, Subpart A-Metal Finishing, Subcategory 433.17-Pretreatment Standards for New Sources (PSNS).

The pretreatment system is an advanced water recycling system, which uses chemical precipitation to remove metals from the wastewater and pH adjustment of the treated effluent.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Precision Powdercoat

Process Flow: 0.00288 mgd

General Information and type of wastewater treatment	<p>Precision Powdercoat is a phosphater and powder coating operation of stereo amplifiers and speakers. This is a metal finishing operation regulated under 40CFR 433-Metal Finishing Point Source Category, Subpart A-Metal Finishing, Subcategory 433.17-Pretreatment Standards for New Sources (PSNS).</p> <p>Pretreatment of process discharge consists of constant pH monitoring on a strip chart recorder. There is currently no pretreatment of process discharges at this facility. Overflow City water rinses are the only discharges entering the sanitary sewer.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

For the Year Ending December 31, 2015

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Safeway Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 1115 West Alameda Drive Tempe, AZ 85282		MAILING ADDRESS: 1115 West Alameda Drive Tempe, AZ 85282		
CATEGORICAL USER? No	40 CFR USER	LIMITS APPENDIX: T-A	BMR SUBMITTED: 6/30/1982	
TTO CERTIFICATION DATE SUBMITTED: 7/14/2015		PERMIT EFFECTIVE: 1/29/2015	PERMIT EXPIRES: 2/14/2019	
SAMPLING LOCATION VERIFIED ON: 12/10/2015		RCRA NOTICE: 5/12/1993		
SLUG CONTROL PLAN EVALUATION DATE: 10/26/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	11	0	3	3
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	3	1	3	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	1	0	0	0
Compliance Status	I	I	I	I
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1	Instantaneous	1/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
1	Permit Cond	1/2015	N/A	N/A	IU	Discharge of solids larger than quarter inch to the POTW		
1	Instantaneous	2/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
1	Instantaneous	3/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
2	Instantaneous	6/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
3	Instantaneous	7/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
3	Instantaneous	8/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
3	Instantaneous	9/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
4	Instantaneous	10/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			A,B,F	A,B,F	A,B,F	A,B,F		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Safeway Inc.
 Process Flow: 0.09607 mgd

General Information and type of wastewater treatment	<p>Safeway, Inc, generates process wastewater in the dairy processing operations (CIP) and is regulated under 40 CFR 403.5, Subpart B. Safeway also operates a dry storage area, truck shop with wash rack, and machine shop.</p> <p>Pretreatment is limited to solids removal interceptors and Best Management Practices. The average discharge is 96,000 gpd.</p>
First Quarter	<p>Safeway was issued four NOV/AO with penalties for violating the pH policy during November and December 2014, January and February 2015. The January 2015 NOV also included a violation for the discharge of solids greater than one-half inch. Safeway violated the pH policy during March 2015, this violation will be addressed during the second quarter of 2015.</p>
Second Quarter	<p>Safeway was issued one NOV/AO with penalties for violating the pH policy during March 2015. Safeway violated the pH policy during June 2015, this violation will be addressed during the third quarter of 2015.</p>
Third Quarter	<p>Safeway was issued two NOV/AO with penalties for violating the pH policy during June and July 2015. Safeway violated the pH policy during August and September 2015, these violations will be addressed during the fourth quarter of 2015.</p>
Fourth Quarter	<p>Safeway violated pH policy in October 2015. Safeway was issued three NOV/AO with penalties for violating the pH policy during August, September and October 2015.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
 Penalties this reporting Year: Assessed \$ 50,000.00 Collected \$ 50,000.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Schreiber Foods Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 2122 South Hardy Drive Tempe, AZ 85282		MAILING ADDRESS: 2122 South Hardy Drive Tempe, AZ 85282		
CATEGORICAL USER? No	40 CFR USER	LIMITS APPENDIX: T-A	BMR SUBMITTED: 3/30/1985	
TTO CERTIFICATION DATE SUBMITTED: 6/29/2015		PERMIT EFFECTIVE: 1/15/2015	PERMIT EXPIRES: 1/14/2019	
SAMPLING LOCATION VERIFIED ON: 11/5/2015		RCRA NOTICE: 6/23/1993		
SLUG CONTROL PLAN EVALUATION DATE: 11/5/2015				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	21	21	21	10
Number of IU Sampling Days	90	91	92	91
Number of Parameter Violations	1	2	1	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	I	I	I	C
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
1	Instantaneous	2/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
2	Instantaneous	3/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
2	Instantaneous	5/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
3	Instantaneous	9/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	A,B	A,B,F	A,B,F		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Schreiber Foods Inc.
Process Flow: 0.196859 mgd

General Information and type of wastewater treatment

Schreiber is a manufacturer of pasteurized processed cheese as defined under 21 CFR 133.169. Discharged wastewater is generated in the cleaning process and is regulated under 40 CFR 405, Subpart F. There are no specific categorical standards under 40 CFR 403.5, Subpart F.
pH is adjusted by a Carbon Dioxide (CO2) injection system into a 6000-gal. mixing vault prior to discharging to the sewer.

First Quarter

Schreiber violated the pH policy during March 2015. Violation will be addressed during the second quarter of 2015.

Second Quarter

Schreiber was issued one NOV/AO with no penalties for violating the pH policy during March 2015.

Third Quarter

Schreiber was issued two NOV/AO with penalties for violating the pH policy during May and June 2015. Schreiber violated the pH policy during September 2015, this violation will be addressed during the fourth quarter of 2015.

Fourth Quarter

Schreiber was issued an NOV/AO with penalties for violating the pH policy during September 2015.

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 7,500.00 Collected \$ 7,500.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Southwest Metal Finishing Inc.

Process Flow: 0.003 mgd

General Information and type of wastewater treatment

Southwest Metal Finishing performs metal finishing of aluminum parts by means of chemical processing: anodizing and chromic acid dyes. These processes are both listed under 40 CFR 433 - Metal Finishing Category, anodizing and conversion coating.

Wastewater pretreatment is conducted through the use of a batch system, using chemical treatment for chromium, nickel removal, and pH neutralization.

First Quarter

Second Quarter

Third Quarter

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: SRP K7GS

Process Flow: mgd

General Information and type of wastewater treatment
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SRP- Kyrene 7 Generating Station (K7GS) consists of two distinct power plants: the KGS is on the east side and Unit K7 is on the west side of a 33 acre site. Electric power generating plants are regulated under 40 CFR 423.10 Steam Electric Power Generating Point Source Category.

Well water is sent to a well water holding tank, where it goes into a filtration and chlorination process before being sent to the cooling tower (CT). Other low volume waste water is sent to the CT basin for reuse as cooling water make-up. These waters include HRSG blowdown, evaporative cooler blowdown, RO system reject, and laboratory sampling waters. The CT blowdown and filter backwash water are transferred to a 50,000-gallon wastewater tank prior to final discharge.

First Quarter	
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Second Quarter	
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Third Quarter	
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Fourth Quarter	<p>SRP did not discharge any wastewater to the POTW in 2015. Permit was issued for future discharge.</p>
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To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

D - Criminal Action Filed

I - Compliance Schedule Issued

N- No Enforcement Action

E Pretreatment Settlement Agreement (PSA)

J - Disconnection from Sewer

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sun Orchard LLC

Process Flow: 0.00885 mgd

General Information and type of wastewater treatment

Sun Orchard is a producer and bottler of fresh orange juice as defined under 21 CFR 146.135. Wastewater consists of residue-rinses and mild chlorinated cleaning solution. This process is regulated under 40 CFR 407, Subpart C and local limits

Pretreatment consists of batch pH adjustment. Process solid waste consisting of citrus hulls and excess pulp is recycled into cattle feed.

First Quarter

Sun Orchard had pH policy violation in the month of March, and will be issued an NOV/AO.

Second Quarter

Sun Orchard was issued an NOV/AO for a March 2015 pH policy violation. Sun Orchard had a pH policy violation in the month of May 2015, and will be issued an NOV/AO.

Third Quarter

Sun Orchard was issued an NOV/AO for a May 2015 pH policy violation

Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 3,750.00** Collected **\$ 3,750.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Tempe Campus SPV, LLC
Process Flow: 0.005328 mgd

General Information and type of wastewater treatment	<p>At Temoe Campus - Freescale Semiconductor, Inc. currently conducts research and development of electronic parts of integrated circuits. It also conducts failure analysis of electronic parts of integrated circuits.</p> <p>Three 20,000-gallon storage tanks are in place and effluent is analyzed before discharge.</p>
First Quarter	<p>Tempe Campus was issued five NOV's, AO's, and Fine's for pH violations occurring in February 2014, March 2014, April 2014, May 2014, and October 2014.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 27,500.00 Collected \$ 27,500.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Trion Technology Inc
Process Flow: 0.0000001 mgd

General Information and type of wastewater treatment	Trion Technology is a semiconductor manufacturer aregulated under 40 CFR 469, Subpart A. Process waste is sent to a neutralization tank, where it is adjusted for pH with NaOH.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes X No
Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**CITY OF TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: United Dairymen of Arizona		REPORT PERIOD: 01/01/2015 through 12/31/2015		
SERVICE ADDRESS: 2008 South Hardy Drive Tempe, AZ 85282		MAILING ADDRESS: P.O. Box 26877 Tempe, AZ 85285-6877		
CATEGORICAL USER? No	40 CFR USER	LIMITS APPENDIX: T-A	BMR SUBMITTED: 7/30/1982	
TTO CERTIFICATION DATE SUBMITTED: 6/15/2015		PERMIT EFFECTIVE: 9/25/2013	PERMIT EXPIRES: 9/24/2017	
SAMPLING LOCATION VERIFIED ON: 11/6/2015		RCRA NOTICE: 7/12/1993		
SLUG CONTROL PLAN EVALUATION DATE: 1/22/2014				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	1	0	0	1
Number of City Sampling Days	21	21	21	12
Number of IU Sampling Days	90	91	92	92
Number of Parameter Violations	0	0	1	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	I	I
Evaluated as of:	3/31/2015	6/30/2015	9/30/2015	12/31/2015

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
3	Instantaneous	9/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
4	Instantaneous	10/2015	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A,B,F		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self-Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: United Dairymen of Arizona
 Process Flow: 0.935769 mgd

General Information and type of wastewater treatment	<p>United Dairymen of Arizona is a milk receiving station (PSES), no limitations, receiving 7 to 12 million pounds of milk per day. Also on site is a butter manufacturing process (PSES), no limitations, and a dry milk process (PSES), no limitations. The facility is regulated by 40 CFR 405 PSES Subparts A, D, J, and L. All the above Subparts refer back to 40 CFR 403 for enforcement of discharge limitations.</p> <p>The pretreatment consists of a number of interceptors for solids removal and pH neutralization of the final effluent. UDA has installed a high-strength caustic reclaim and BOD/TSS reduction system to reduce its high strength organic loadings and to control the pH of its effluent. UDA has also installed a 7,000-gallon lift vault and a 108,000-gallon surge/storage tank upstream of its final pH adjustment pretreatment system to prevent surcharging its final effluent pH treatment system and to allow for increased contact time for the commingled acid and caustic rinse waters.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>UDA violated the pH policy during September 2015, violation will be addressed during the fourth quarter of 2015.</p>
Fourth Quarter	<p>UDA was issued two NOV/AO with penalties for violating the pH policy during September and October 2015. UDA violated the pH policy during December 2015, violation will be addressed during the first quarter of 2016.</p>

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 18,750.00 Collected \$ 18,750.00

SECTION 2.6
TOWN OF GILBERT

POTW PRETREATMENT ANNUAL REPORT

TOWN OF GILBERT, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2015 through 12/31/2015

Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment Plant

NPDES Permit Number: AZ0020524

Person to Contact Concerning City of Gilbert Information Contained in the Report:

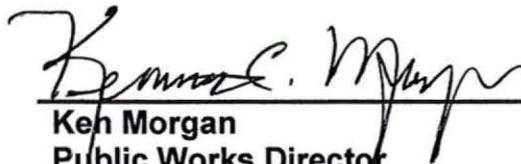
Edward Meza
Pretreatment Program Coordinator
525 North Lindsay Road
Gilbert, Arizona 85234
480-503-6463

As required by 40 C.F.R. Section 122.22(b)(2):

I certify under penalty of law that all TOWN OF GILBERT attachments contained in this document 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 who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2/4/16

Date:



Ken Morgan
Public Works Director
Town of Gilbert, Arizona



The Town of Gilbert is a young, affluent community in central Arizona.

In 1902, the Arizona Eastern Railway asked for donations of right of way in order to establish a rail line between Phoenix and Florence. A rail siding was established on property owned by William "Bobby" Gilbert. The siding, and the town that sprung up around it, eventually became known as Gilbert. Gilbert was a prime farming community, fueled by the construction of the Roosevelt Dam and the Eastern and Consolidated Canals in 1911. It remained an agriculture town for many years, and was known as the "Hay Capital of the World" until the late 1920's. Incorporated on July 6, 1920, Gilbert is a relatively new community that has seen tremendous growth during the past three decades.

Gilbert began to take its current shape during the 1970's when the Town Council approved a strip annexation that encompassed 53 square miles of county land. Although the population was only 1,971 in 1970 the Council realized that Gilbert would eventually grow and develop much like the neighboring communities of Tempe, Mesa, and Chandler. This proved to be a farsighted decision as Gilbert positioned itself for growth in the 1980's and beyond. Gilbert's planning area now encompasses 73 square miles.

Gilbert has experienced a rapid transition from a historically agriculture-based community to an urban center and suburb in the Phoenix Metropolitan Area. In the last thirty-four years Gilbert has grown at a pace unparalleled by most communities in the United States, increasing in population from 5,717 in 1980 to over 235,493 as of July 1, 2014. As Gilbert has grown, the community has recognized the need to develop a strong, diverse economy while preserving its highly desirable quality of life.

Gilbert has made the commitment to utilize 100% of its wastewater. Our Wastewater Treatment facilities are designed and operated to produce high quality effluent that is used for groundwater recharge, which builds up reserves for future drinking water use. The reuse water is also utilized for golf course watering, artificial lakes and landscape irrigation throughout the Town at a water rate approximately ½ the cost of potable water.



Pretreatment Program Summary

Reporting Period: 01/01/2015 to 12/31/2015

Implementing a wastewater survey form that must be completed as part of the Town's business license program has helped identify new users. There were 943 new business licenses processed during the 2015 reporting period. Of these 230 were possible new commercial and industrial users.

The Town of Gilbert continues to identify new facilities that meet Categorical or SIU criteria for wastewater discharge permits. There were 49 industrial user inspections and 45 Storm Water Inspections conducted in 2015. The Town also conducted 16 sampling events over 38 days and 5 flow studies over 56 days. At the end of 2015 there were 145 industrial user's in the Town's pretreatment database, of these 27 are permitted which include Seven Class 'A' SIU's and Twenty Class 'B' IU's.

The Town of Gilbert has continued its commercial inspection program. The programs goal is to inspect all food service facilities, automotive service facilities, dry cleaners, and silver photo & x-ray developers annually. There were approximately 1,202 commercial inspections, and 1,004 storm water inspections conducted in 2015.

Individual Training: Pretreatment Program Coordinator (PPC)
Industrial Pretreatment Inspector (IPI)
Wastewater Quality Inspector (WWQI)

All personnel had confined space and fall protection training.

All personnel attended PPE Training

All personnel attended Lock Out/Tag Out procedures training.

All personnel attended Hazwoper refresher training.

All personnel attended Remote Inspector Training.

All personnel attended Electrical Safety Training.

PPC attended Situational Leadership Module Training.

PPC and IPI obtained MS4 Enforcement and Inspector 5 year Certification at Tri-State Conference.

IPI and WWQI attended Work Zone safety & Flagger training.

IPI and WWQI were on Wastewater Safety Division Committee.

2 WWQI are attending Phoenix Compliance Academy.

2 WWQI attended Sampling Training in Tempe.

All inspectors attend various computer-training classes in Word, Excel, Access, Linko, and PowerPoint to improve computer skills.



Best Management Practices

Pollution Prevention through Point Source Control Measures

Reporting Period: 01/01/2015 to 12/31/2015

Introduction

Section C.1 of the National Pollutant Discharge Elimination System (NPDES) Permit # AZ0020524 requires the Sub-Regional Operating Group (SROG) member cities to submit quarterly progress reports detailing efforts pertaining to pollution prevention through point source control measures. Gilbert's efforts during the year 2015 are summarized below.

Pollution Prevention Efforts with Industry

The town developed and printed up brochures on grease traps and interceptors and another on silver recovery units. These are given during inspections of facilities, and during other public outreach events. We have also developed BMP's for food service facilities, automotive service facilities, printers, and silver photo and x-ray processors. These are given to these facilities during routine annual inspections. Since 2004 BMP's have been part of the Town Municipal Code.

Storm Water

The town developed and distributed one educational brochure for agricultural farmers and another for recreational water users. These were distributed at outreach events like the Spring Kids Expo and the Feathered Friends Festival. Copies were also available at the town municipal center, and they are also on the town's website. The town has storm water BMP's for certain types of businesses; such as restaurants, automotive shops, carpet cleaners and a general business one. There are also Spanish versions of these brochures available. These brochures are being distributed by Wastewater Quality during the normal inspection schedule.

SROG Participation

The Town of Gilbert Staff continues to participate in periodic SROG meetings. The Town of Gilbert's Pretreatment Coordinator attends SROG advisory meetings.

Partnership for Pollution Prevention

The Town of Gilbert Staff continues to participate in Partnership for Pollution Prevention meetings.

Wastewater Effluent/Reuse

Presentations continue to be given at events such as the Spring Festival and the Trails Day Event at the Riparian Preserve on effluent recharge. Numerous tours were given to groups interested in the recharge treatment process and daily operation at the Riparian Preserve.

Household Hazardous Waste

Since 2007 the Town opened a permanent Household hazardous Waste Drop off Station. Through this Station the Town continues to collect items throughout the year such as batteries, fluorescent bulbs, and aerosol cans.

Collection Site

The Household Hazardous Waste Drop Off Station is located at the South Area Service Center the corner Greenfield Road and Queen Creek Road.

Christmas Trees

The Town collected Christmas trees. The trees were chipped and then used for landscaping purposes.

Grease Recycling

The Town collected used fryer oil from Thanksgiving to Christmas. The collection site was at the Household Hazardous Waste Drop Off Station. It was collected by A-1 for their collection to recycle.

TOWN OF GILBERT

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES

January 1, 2015 – December 31, 2015 – Total Pretreatment Expenditures \$ 507,184

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2014</u>	<u>FTEs 2015</u>
Pretreatment Program Coordinator	1	1
Industrial Pretreatment Inspector	1	1
Wastewater Quality Inspector	4	4

PRETREATMENT PROGRAM EXPENDITURES

Personnel	\$ 442,655
Analytical Laboratory Services	\$ 16,000
Vehicle Operations & Maintenance	\$ 15,280
Training/Tuition	\$ 3,265
Program Operations & Maintenance	\$ 29,984

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2015</u>	<u>Total 2015</u>
Samplers	0	4
Flow Meters & Modules	0	6
pH Meters	0	2
Vehicles	0	6
Computers (Laptops)	0(6)	6(7)

**TOWN OF GILBERT
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2015**

	COMPANY NAME AND ADDRESS	WWTP	NAICS Code	Regulation
1.	Banner Gateway Medical Center 1900 North Higley Road Gilbert, Arizona 85234-1904	91 st Ave via Neely	622110	Local Limits
2.	First Impression Security Doors, Inc. 1235 West Harwell Road Gilbert, Arizona 85233	91 st Ave via Neely	325510	40 CFR 433: Metal Finishing Point Source Category
3.	Heliae Development, LLC 3776 South Riata Street Gilbert, Arizona 85297	91 st Ave via Neely or Greenfield	541711	Local Limits
4.	Herbally Yours, Inc. 1504 West San Pedro Street Gilbert, Arizona 85233-2412	91 st Ave via Neely	325412	40 CFR 439: Pharmaceutical Manufacturing Point Source Category
5.	Innovative Circuits 130 North Pasadena Street Gilbert, Arizona 85233-5038	91 st Ave via Neely	335313	40 CFR 433: Metal Finishing Point Source Category
6.	Mercy Gilbert Medical Center 3555 South Val Vista Drive Gilbert, Arizona 85296-7323	91 st Ave via Neely or Greenfield	622110	Local Limits
7.	Unique Home Design, Inc. 973 North Colorado Street Gilbert, Arizona 85233-2274	91 st Ave via Neely	325510	40 CFR 433: Metal Finishing Point Source Category

TOWN OF GILBERT

PRETREATMENT PERFORMANCE SUMMARY ADDITIONS, DELETIONS AND CHANGES TO THE SIU LIST

ADDITIONS

The following Significant Industrial Users were added in 2015:

No Changes for 2015

DELETIONS

The following Significant Industrial Users have ceased operations in 2015:

No Changes for 2015

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2015:

Innovative Circuits
130 North Pasadena Street
Gilbert, Arizona 85233-5038

Changed from Local Limits to 40 CFR 433: Metal Finishing Point Source Category

NAME CHANGES

The following Significant Industrial Users changed their names in 2015:

No Changes for 2015

Town of Gilbert
PRETREATMENT PERFORMANCE SUMMARY
91st Avenue Wastewater Treatment Plant

I. General Information							
Control Authority Name: Town of Gilbert			NPDES No.: AZ0020524				
Address: 900 East Juniper Avenue		City: Gilbert		State: Arizona		ZIP: 85234-4714	
Contact Person: Edward Meza				Contact Telephone Number: 480-503-6463			
Reporting Period: January 1 – December 31, 2015			Categorical IUs: 4		Significant Non-Categorical IUs: 3		
II. Significant Industrial User Compliance							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of SIUs in Full Compliance	2	50	1	33	3	43
2.	No. of SIUs in Inconsistent Compliance	2	50	2	67	4	57
3.	No. of SIUs in Significant Noncompliance	0	0	0	0	0	0
4.	No. of Parameter Violations	3		0		3	
5.	No. of Reporting Violations	0		0		0	
6.	No. of Permit Condition Violations	1		2		3	
III. Compliance Monitoring Program							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	No. of Control Documents Issued	4		3		7	
2.	No. of Nonsampling Inspections Conducted	11		6		17	
3.	No. of Facilities Inspected (Nonsampling)	4		3		7	
4.	No. of Sampling Visits Conducted	15		8		23	
5.	No. of Facilities Sampled	4		3		7	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	Notices of Violations Issued to SIUs	4		2		6	
2.	Temporary Increase in IU Self Monitoring	1		0		1	
3.	Administrative Orders Issued to SIUs	0		0		0	
4.	Compliance Schedules Issued	0		0		0	
5.	Settlement Agreements	0		0		0	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 0.00 / 0		\$ 0.00 / 0		\$ 0.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Banner Gateway Medical Center

Process Flow: 115,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: First Impressions Security Doors, Inc.

Process Flow: 600 GPD Average Daily Discharge

General Information and type of wastewater treatment
First Impressions Security Doors, Inc. performs powder coating, coating conversion, acid cleaning and associated rinses. Treatment includes pH neutralization.
First Quarter
Second Quarter
Third Quarter
Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**TOWN OF GILBERT
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Heliae Development, LLC				REPORT PERIOD: 01/01/2015 through 12/31/2015				
SERVICE ADDRESS: 3776 South Riata Street Gilbert, Arizona 85297				MAILING ADDRESS: 578 East Germann Road Gilbert, Arizona 85297-2907				
CATEGORICAL USER? No		40 CFR Local Limits		LIMITS APPENDIX: A		BMR SUBMITTED: 01-08-15		
TTO CERTIFICATION DATE SUBMITTED: N/A				PERMIT EFFECTIVE: 12-1-2014		PERMIT EXPIRES: 12-31-2015		
SAMPLING LOCATION VERIFIED ON: 07-15-15				RCRA NOTICE: 02-12-15				
SLUG CONTROL PLAN EVALUATION DATE: 10-30-14								
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	1		0		1		0	
Number of City Sampling Days	0		2		0		0	
Number of IU Sampling Days	3		3		3		3	
Number of Parameter Violations	0		0		0		0	
Number of Inspection Violations	0		0		0		0	
Number of Reporting Violations	0		0		0		0	
Number of Permit Cond. Violations	0		0		0		1	
Compliance Status	C		C		C		I	
Evaluated as of:	04-07-15		07-07-15		02-03-16		02-03-16	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
4 th	Permit Condition	10-13-15	N/A	N/A	IU	Slug Discharge 20,600 Gallons		
	1st Quarter (Jan 1 - Mar 31)		2nd Quarter (Apr 1 - Jun 30)		3rd Quarter (Jul 1 - Sep 30)		4th Quarter (Oct 1 - Dec 31)	
Enforcement Status	N		N		N		A	

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Heliae Development, LLC

Process Flow: 35,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	Heliae produces microalgae biomass with discharge from their waste holding tank water (Batch) originating from Greenhouse area, Seed Room, Dewatering of algae, and their associated cleaning and rinses.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	10-29-15 A Notice of Violation (NOV) was issued for the Permit Condition Violation on 10-13-15 slug discharge of process. A valve was left open from a Process Batch Discharge. This NOV was satisfactorily completed 11-10-15.

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Herbally Yours, Inc.

Process Flow: 2,000 GPD Average Daily Discharge

General Information and type of wastewater treatment
Herbally Yours Inc. Mixes, Compounds, and Formulates nutritional supplements. Treatment includes separation and pH neutralization.
First Quarter
Second Quarter
Third Quarter
Fourth Quarter

To be published for this year in newspaper for Significant Non-Compliance? Yes X No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

**TOWN OF GILBERT
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Innovative Circuits Arizona		REPORT PERIOD: 01/01/2015 through 12/31/2015			
SERVICE ADDRESS: 130 North Pasadena Street Gilbert, Arizona 85234-5038		MAILING ADDRESS: Same			
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED 04-27-15		
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 04-01-2014	PERMIT EXPIRES: 12-31-2017		
SAMPLING LOCATION VERIFIED ON: 11-04-15		RCRA NOTICE: 05-31-2001			
SLUG CONTROL PLAN EVALUATION DATE: 11-04-15					
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)	
Number of Inspections	1	0	0	2	
Number of City Sampling Days	0	4	0	0	
Number of IU Sampling Days	3	3	3	3	
Number of Parameter Violations	0	0	0	0	
Number of Inspection Violations	0	0	0	0	
Number of Reporting Violations	0	0	0	0	
Number of Permit Cond. Violations	0	1	0	0	
Compliance Status	C	I	C	C	
Evaluated as of:	02-03-16	02-03-16	02-03-16	02-03-16	

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
2 nd	Permit Condition	5-31-15	N/A	N/A	IU	Failure to Sample Lead		
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	A	N	N		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Innovative Circuits Arizona

Process Flow: 400 GPD Average Daily Discharge

General Information and type of wastewater treatment	Innovative Circuits Arizona populates and cleans circuit boards and performs resin column filtration for metallics. They also have a Zero Discharge Conformal Coating process.
First Quarter	
Second Quarter	6-15-15 A Notice of Violation (NOV) was issued for the Permit Condition Violation on 5-31-15 Failure to Sample Lead. This NOV was satisfactorily completed on 6-30-15.
Third Quarter	
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No

Penalties this reporting Year: Assessed \$ 0.00 Collected \$ 0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mercy Gilbert Medical Center

Process Flow: 85,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	<p>Mercy Gilbert Medical Center is a Hospital with discharge from their Cooling Tower, Boiler Feed, Humidification, Plaster Trap, Acid Waste Neutralization, Grease Interceptor, Hospital Operations and Associated Rinses.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>8-19-15 A Notice of Violation (NOV) was issued for the Permit Condition Violation on 7-31-15 Failure to Sample pH. This NOV was satisfactorily completed on 8-31-15.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**

**TOWN OF GILBERT
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

NAME: Unique Home Design, Inc.		REPORT PERIOD: 01/01/2015 through 12/31/2015	
SERVICE ADDRESS: 973 North Colorado Street Gilbert, Arizona 85233-2274		MAILING ADDRESS: Same	
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED 10-24-2005
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 04-01-2014	PERMIT EXPIRES: 03-31-2019	
SAMPLING LOCATION VERIFIED ON: 12-09-15	RCRA NOTICE: 08-19-2005		
SLUG CONTROL PLAN EVALUATION DATE: 12-09-15			
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)
			4th Quarter (Oct 1 - Dec 31)
Number of Inspections	2	0	0
Number of City Sampling Days	0	0	4
Number of IU Sampling Days	3	3	7
Number of Parameter Violations	0	0	3
Number of Inspection Violations	0	0	0
Number of Reporting Violations	0	0	0
Number of Permit Cond. Violations	0	0	0
Compliance Status	C	C	C
Evaluated as of:	02-03-16	02-03-16	02-03-16

COMPLIANCE CODES: C = Compliance I = Inconsistent Compliance S = Significant Noncompliance
If company is in I or S, then the following table applies:

Quarter	Type of Violation	Date of Violation	Sample Composite or Grab	Limit Federal or City	Monitoring City or IU	Parameter	Value / Limit	Number of Measurements per Quarter
4th	Parameter	10-14-15	Composite	Daily Limit	City	Cadmium	0.085 mg/l / 0.047mg/l	7
4th	Parameter	10-15-15	Composite	Daily Limit	City	Cadmium	0.100 mg/l / 0.047 mg/l	7
4th	Parameter	10-31-15	Composite	Monthly Average	City	Cadmium	0.100 mg/l / 0.047 mg/l	7
			1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)		
Enforcement Status			N	N	N	A(3),L		

Enforcement Status Codes

- | | | |
|---|--------------------------------------|---|
| A - Notice of Violation (NOV) | F - Assessment of Monetary Penalties | K - Published in Newspaper for Significant Non-Compliance (SNC) In Prior Reporting Year |
| B - Administrative Order (AO) | G - Restriction of Flow | L - Temporary Increase in IU Self Monitoring (TISM) |
| C - Civil Action Filed | H - Permit Revocation | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Unique Home Designs, Inc.

Process Flow: 4,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	Unique Home Designs, Inc. performs powder coating, coating conversion, acid cleaning and associated rinses. Treatment includes pH neutralization.
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	On 11-23-15 a NOV and TISM was issued for 3 Effluent Limit Violations: <ol style="list-style-type: none"> 1. (Daily) Effluent Limit Violation for Cadmium. This occurred 10-14-15. This NOV was satisfactorily completed on 12-14-15. 2. (Daily) Effluent Limit Violation for Cadmium. This occurred 10-15-15. This NOV was satisfactorily completed on 12-14-15. 3. (Monthly) Effluent Limit Violation for Cadmium. This occurred 10-31-15. This NOV was satisfactorily completed on 12-14-15.

To be published for this year in newspaper for Significant Non-Compliance? Yes **X** No

Penalties this reporting Year: Assessed **\$ 0.00** Collected **\$ 0.00**