

2016

INDUSTRIAL
PRETREATMENT
ANNUAL REPORT

GILBERT
GLENDALE
MESA
PHOENIX
SCOTTSDALE
TEMPE

ARIZONA





City of Phoenix
 WATER SERVICES DEPARTMENT
 Quality Reliability Value



February 27, 2017

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, 2016 and ending on December 31, 2016 and includes information required by the National Pollutant Discharge Elimination System Permit, effective October 4, 2016; 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
 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, 2016

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 (WWTP) 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

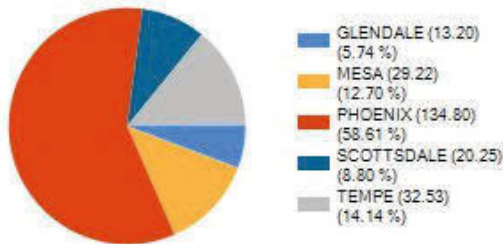
The original 91st Avenue WWTP, a 5 million gallon per day (mgd) cooperative venture between Glendale and Phoenix, was built in 1958. This plant was later replaced with a 45 mgd plant which was subsequently expanded in 1969, 1976, 1984, 1989, and 2009. Upon completion of the most recent expansion in 2010, the plant has a certified treatment capacity of 230 mgd, and receives an average daily flow of 133.23 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

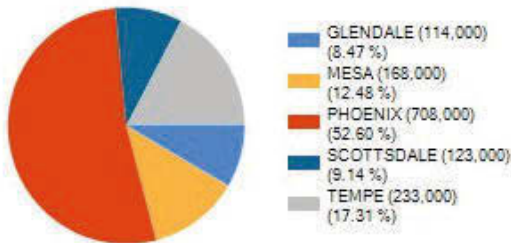
Purchased Capacity

Flow (MGD)



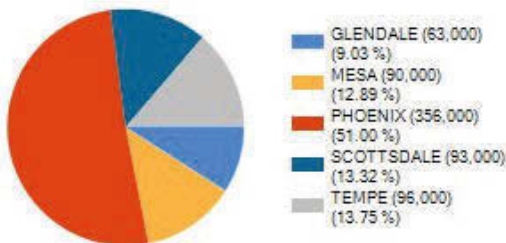
Purchased Capacity vs Monthly Flows

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 Flow Regulating Wetlands. The wetland complex removes additional 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 all environmental standards.

In 1994, as part of a research project to determine if wetlands could polish effluent from the 91st Avenue WWTP. Phoenix, in cooperation with SROG and the U.S. Bureau of Reclamation, created the Tres Rios Constructed Wetlands Demonstration Project. A secondary goal of the project was to restore the riparian habitat for wildlife along the Salt River. Because of the success achieved with the demonstration wetlands, a full scale, 200+ acre wetland system was designed. 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, improved and enhanced a 7-mile long, 1500-acre section of the Salt and Gila Rivers in southwestern Phoenix. Currently portions of the constructed wetlands are open for passive recreational uses, such as bird watching, hiking, and horseback riding.

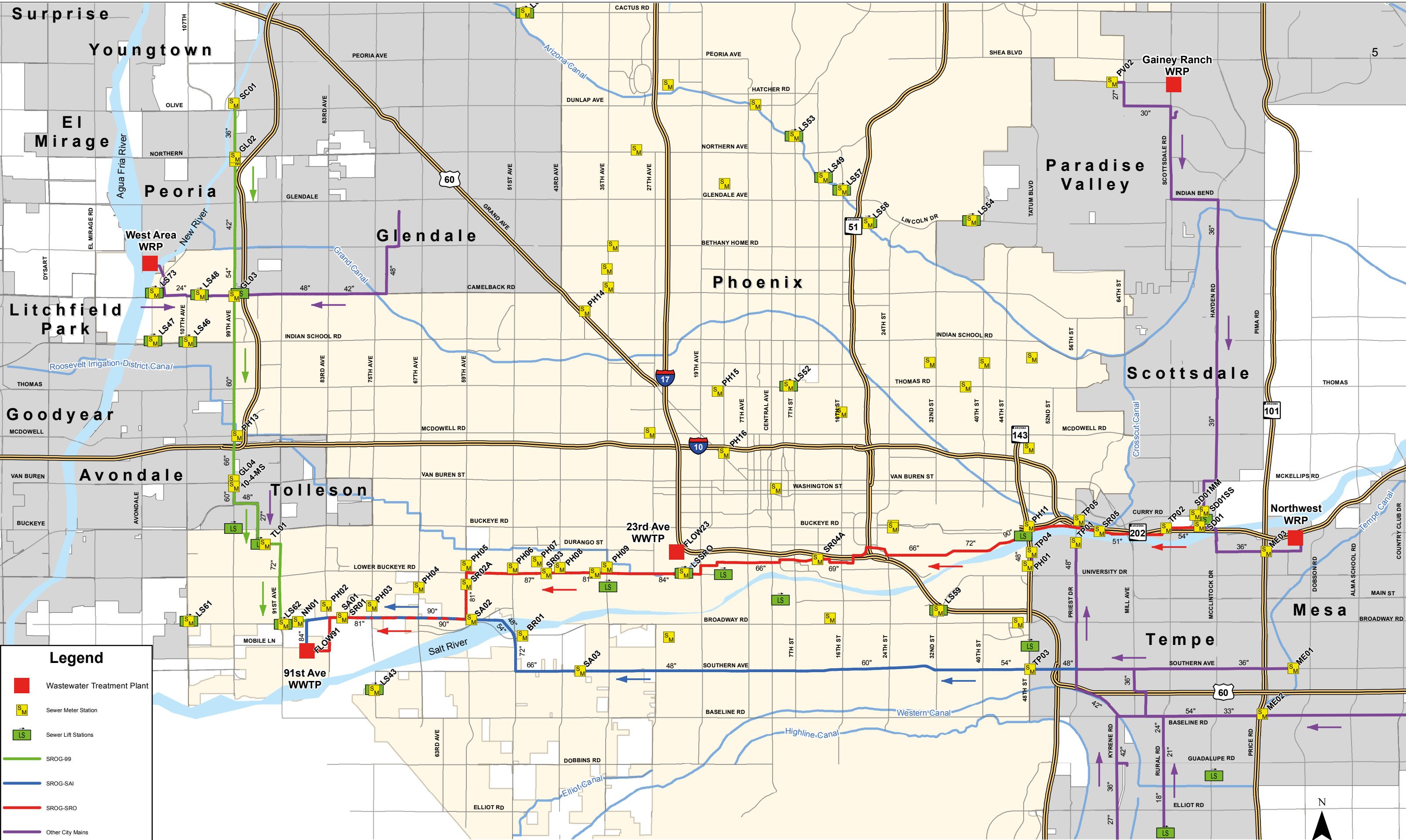
For more information regarding Tres Rios please visit <https://www.phoenix.gov/waterservices/tresrios/wetlandsinfo>.

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 33.53 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 non-food crop irrigation.



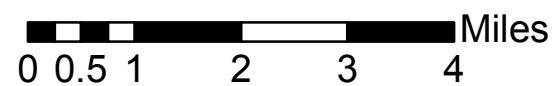
1947 Construction of Clarifier at 23rd Avenue WWTP



Created on Date: 01-18-2017
 Data Source: COP Enterprise GIS

Created by: JDean2
 File Location: I:\Users\JDean2\SROG Lines\SROG System Map 2017.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	¹ Average	Maximum	Units
1,1,1-Trichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,1,2,2-Tetrachloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,1,2-Trichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethylene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,2,4-Trichlorobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichlorobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloropropane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,2-Diphenylhydrazine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
1,2-Trans-dichloroethylene (Trans-1,2-Dichloroethene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichlorobenzene					
Influent	14	14	All Non-Detect	-	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichloropropylene (cis/trans-1,3-Dichloropropene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	2	0.18	0.53	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
1,4-Dichlorobenzene					
Influent	14	12	5.3	1.95	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt
2,3,7,8-TCDD (Dioxin)					
Influent	1	1	All Non-Detect	-	pg/L
Effluent	2	2	All Non-Detect	-	pg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4,6-Trichlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dichlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dimethylphenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
2,6-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Chloroethyl vinyl ethers					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Chloronaphthalene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Chlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
2-Nitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
3,3-Dichlorobenzidine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4-DDD					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4-DDE					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4,4-DDT					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4,6-Dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
4-Bromophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Chlorophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
4-Nitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Acenaphthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Acenaphthylene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Acrolein					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Acrylonitrile					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Aldrin					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Alpha-BHC					
Influent	12	12			µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Alpha-endosulfan (Endosulfan I)					
Influent	12	8	0.036	0.068	ug/L
Effluent	4	3	0.035	0.059	ug/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Anthracene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Antimony					
Influent	12	0	0.0009	0.0019	mg/L
Effluent	4	0	0.00054	0.00057	mg/L
Biosolids	6	3	1.8	2.4	mg/kg Dry Wt
Arsenic					
Influent	12	0	0.0017	0.0021	mg/L
Effluent	4	0	0.0010	0.001	mg/L
Biosolids	6	0	5.5	6.5	mg/kg Dry Wt
Benzene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzidine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(a) anthracene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(a)pyrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(b) fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(ghi) perylene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Benzo(k) fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Beryllium					
Influent	12	12	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	6	6	All Non-Detect	-	mg/kg Dry Wt
Beta-BHC					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Beta-endosulfan (Endosulfan II)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethoxy) methane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethyl) ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroisopropyl) ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Bis(2-ethylhexyl) phthalate					
Influent	12	8	30.9	86.0	µg/L
Effluent	8	5	1.3	3.7	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Bromoform					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	1	0.6	1.1	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Butyl benzyl phthalate					
Influent	12	10	31.5	92.7	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Cadmium					
Influent	12	4	0.0007	0.0036	mg/L
Effluent	4	3	0.0004	0.0011	mg/L
Biosolids	6	0	2.3	3.3	mg/kg Dry Wt
Carbon tetrachloride					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chlordane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chlorobenzene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chlorodibromomethane (Bromodichloromethane)					
Influent	4	1	0.28	1.12	µg/L
Effluent	4	0	13.4	19	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chloroform					
Influent	4	0	5.4	6.7	µg/L
Effluent	4	0	15	20	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Chromium					
Influent	12	0	0.0075	0.0193	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	6	0	65.0	75.3	mg/kg Dry Wt
Chrysene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Copper					
Influent	12	0	0.118	0.145	mg/L
Effluent	4	1	0.005	0.004	mg/L
Biosolids	6	0	780	881	mg/kg Dry Wt

23rd Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Cyanide, Total (Cyanide samples are discrete samples)					
Influent	1	1	All Non-Detect	-	mg/L
Effluent	1	1	All Non-Detect	-	mg/L
Biosolids	6	2	6.4	9	mg/kg Dry Wt
Delta-BHC					
Influent	12	10	0.035	0.098	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Dibenzo(a,h) anthracene					
Influent	12	11	13.4	41.1	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Dichlorobromomethane					
Influent	4	0	0.39	1.32	µg/L
Effluent	4	0	6.45	9.2	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Dieldrin					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	7	0.017	0.044	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Diethyl phthalate					
Influent	12	8	7.5	4.6	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Dimethyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Di-n-butyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Di-n-octyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Endosulfan sulfate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Endrin					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Endrin aldehyde					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Ethylbenzene					
Influent	4	3	0.23	0.30	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Fluorene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Gamma-BHC					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Heptachlor					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Heptachlor epoxide					
Influent	12	11	0.026	0.077	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobutadiene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Hexachlorocyclopentadiene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Hexachloroethane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Indeno (1,2,3-cd) pyrene					
Influent	12	11	19.9	88.7	µg/L
Effluent	4	3	1.4	3.8	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Isophorone					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Lead					
Influent	12	0	0.0047	0.0078	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	6	0	45.4	50.2	mg/kg Dry Wt
Mercury					
Influent	12	4	0.000082	0.000198	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	6	0	1.26	1.45	mg/kg Dry Wt
Methyl bromide (Bromomethane)					
Influent	4	4	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Methyl chloride (Chloromethane)					
Influent	4	4	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Methylene chloride (Dichloromethane)					
Influent	4	4	7.9	12	µg/L
Effluent	4	3	0.05	0.6	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Molybdenum (Non Priority Pollutant studied for Local Limits Monitoring)					
Influent	12	0	0.0107	0.0147	mg/L
Effluent	4	0	0.0081	0.0106	mg/L
Biosolids	6	0	22.2	29.2	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Naphthalene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	6	6	All Non-Detect	-	µg/L
Biosolids	2	2	All Non-Detect	-	mg/kg Dry Wt
Nickel					
Influent	12	0	0.015	0.098	mg/L
Effluent	4	0	0.004	0.005	mg/L
Biosolids	6	0	37.9	47.8	mg/kg Dry Wt
Nitrobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodimethylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodi-n-propylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodiphenylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Parachlorometa cresol (4-Chloro-3-methylphenol)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1016 (Arochlor 1016)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1221 (Arochlor 1221)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1232 (Arochlor 1232)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
PCB-1242 (Arochlor 1242)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1248 (Arochlor 1248)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1254 (Arochlor 1254)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
PCB-1260 (Arochlor 1260)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Pentachlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	7	7	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Phenanthrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Phenol					
Influent	12	1	51.0	71.4	µg/L
Effluent	4	3	2.15	2.1	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Pyrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Selenium					
Influent	12	0	0.0010	0.0013	mg/L
Effluent	4	2	0.0003	0.0005	mg/L
Biosolids	6	0	4.9	5.6	mg/kg Dry Wt
Silver					
Influent	12	3	0.0012	0.0028	mg/L
Effluent	4	0	0.0007	0.0009	mg/L
Biosolids	6	1	6.05	7.24	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Tetrachloroethylene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Thallium					
Influent	12	11	0.00010	0.00024	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	6	6	All Non-Detect	-	mg/kg Dry Wt
Toluene					
Influent	4	0	1.07	1.5	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Toxaphene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	8	8	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Trichloroethylene (Trichloroethene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Vinyl chloride					
Influent	4	4	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	1	1	All Non-Detect	-	mg/kg Dry Wt
Zinc					
Influent	12	0	0.173	0.234	mg/L
Effluent	4	0	0.051	0.062	mg/L
Biosolids	6	0	1273	1460	mg/kg Dry Wt

¹Average 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.

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
1,1,1-Trichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,1,2,2-Tetrachloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,1,2-Trichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,1-Dichloroethylene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,2,4-Trichlorobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichlorobenzene					
Influent	16	16	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,2-Dichloropropane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,2-Diphenylhydrazine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
1,2-Trans-dichloroethylene (Trans-1,2-Dichloroethene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichlorobenzene					
Influent	16	16	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt
1,3-Dichloropropylene (trans/cis-1,3-Dichloropropene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
1,4-Dichlorobenzene					
Influent	16	14	5.7	1.7	µg/L
Effluent	16	15	0.4	0.2	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt
2,3,7,8-TCDD (Dioxin)					
Influent	1	1	All Non-Detect	-	pg/L
Effluent	4	4	All Non-Detect	-	pg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4,6-Trichlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dichlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dimethylphenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2,4-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
2,6-Dinitrotoluene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Chloroethyl vinyl ethers					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Chloronaphthalene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Chlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
2-Nitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
3,3-Dichlorobenzidine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4-DDD					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4-DDE					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4,4-DDT					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4,6-Dinitro-o-cresol (2-Methyl-4,6-dinitrophenol)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

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	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
4-Bromophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Chlorophenyl phenyl ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
4-Nitrophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Acenaphthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Acenaphthylene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Acrolein					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Acrylonitrile					
Influent	1	1	All Non-Detect	-	µg/L
Effluent	1	1	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Aldrin					
Influent	12	11	0.013	0.065	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Alpha-BHC					
Influent	12	11	0.021	0.050	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Alpha-endosulfan (Endosulfan I)					
Influent	12	9	0.031	0.048	ug/L
Effluent	12	10	0.029	0.051	ug/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Anthracene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Antimony					
Influent	12	0	0.0010	0.00150	mg/L
Effluent	11	0	0.0007	0.00085	mg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Arsenic					
Influent	12	0	0.0025	0.0034	mg/L
Effluent	11	0	0.0018	0.0023	mg/L
Biosolids	12	0	5.5	6.3	mg/kg Dry Wt
Benzene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzidine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(a) anthracene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(a)pyrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(b) fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(ghi) perylene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Benzo(k) fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Beryllium					
Influent	12	12	All Non-Detect	-	mg/L
Effluent	11	11	All Non-Detect	-	mg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Beta-BHC					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Beta-endosulfan (Endosulfan II)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethoxy) methane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroethyl) ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-chloroisopropyl) ether					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Bis(2-ethylhexyl) phthalate					
Influent	12	8	31.7	85.3	µg/L
Effluent	16	13	1.7	4.6	µg/L
Biosolids	4	1	64	71	mg/kg Dry Wt
Bromoform					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Butyl benzyl phthalate					
Influent	12	10	32.1	90.5	µg/L
Effluent	12	10	2.6	5.0	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Cadmium					
Influent	12	7	0.0005	0.0023	mg/L
Effluent	24	20	0.0003	0.0016	mg/L
Biosolids	12	5	1.27	1.54	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Carbon tetrachloride					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chlordane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chlorobenzene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chlorodibromomethane (Bromodichloromethane)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	0	0.4	0.6	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chloroethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chloroform					
Influent	4	0	4.2	5.5	µg/L
Effluent	4	0	1.4	1.8	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Chromium					
Influent	12	0	0.0080	0.0169	mg/L
Effluent	11	7	0.0009	0.0017	mg/L
Biosolids	12	0	41.5	48.0	mg/kg Dry Wt
Chrysene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Copper					
Influent	12	0	0.123	0.197	mg/L
Effluent	11	7	0.001	0.002	mg/L
Biosolids	12	0	603	682	mg/kg Dry Wt
Cyanide, Total (Cyanide samples are discrete samples)					
Influent	12	12	All Non-Detect	-	mg/L
Effluent	24	24	All Non-Detect	-	mg/L
Biosolids	4	1	12.7	19	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Delta-BHC					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	10	0.033	0.071	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Dibenzo(a,h) anthracene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Dichlorobromomethane					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Dieldrin					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Diethyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Dimethyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Di-n-butyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Di-n-octyl phthalate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Endosulfan sulfate					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Endrin					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	20	20	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Endrin aldehyde					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Ethylbenzene					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Fluoranthene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Fluorene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Gamma-BHC					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	20	20	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Heptachlor					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	20	20	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Heptachlor epoxide					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	20	20	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Hexachlorobutadiene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt
Hexachlorocyclopentadiene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Hexachloroethane					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Indeno (1,2,3-cd) pyrene					
Influent	12	10	24.0	78.9	µg/L
Effluent	12	10	1.7	4.2	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Isophorone					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Lead					
Influent	12	0	0.003	0.0073	mg/L
Effluent	24	24	All Non-Detect	-	mg/L
Biosolids	12	0	18.8	22.7	mg/kg Dry Wt
Mercury					
Influent	12	1	0.000136	0.000329	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	12	0	0.768	1.2	mg/kg Dry Wt
Methyl bromide (Bromomethane)					
Influent	4	4	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Methyl chloride (Chloromethane)					
Influent	4	4	All Non-Detect	-	mg/L
Effluent	4	4	All Non-Detect	-	mg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Methylene chloride (Dichloromethane)					
Influent	4	2	6.67	16	µg/L
Effluent	4	3	1.14	4.2	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Molybdenum (Non Priority Pollutant studied for Local Limits Monitoring)					
Influent	12	0	0.0086	0.0121	mg/L
Effluent	11	0	0.0052	0.0062	mg/L
Biosolids	12	1	17.9	22.2	mg/kg Dry Wt
Naphthalene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	8	8	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Nickel					
Influent	12	0	0.007	0.011	mg/L
Effluent	11	0	0.003	0.005	mg/L
Biosolids	12	0	26.7	46.4	mg/kg Dry Wt
Nitrobenzene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodimethylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodi-n-propylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
N-nitrosodiphenylamine					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Parachlorometa cresol (4-Chloro-3-methylphenol)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1016 (Arochlor 1016)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1221 (Arochlor 1221)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1232 (Arochlor 1232)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1242 (Arochlor 1242)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
PCB-1248 (Arochlor 1248)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1254 (Arochlor 1254)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
PCB-1260 (Arochlor 1260)					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Pentachlorophenol					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Phenanthrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Phenol					
Influent	12	11	18.6	20.8	µg/L
Effluent	12	9	1.8	3.0	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Pyrene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	12	12	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Selenium					
Influent	12	0	0.0014	0.0022	mg/L
Effluent	24	10	0.0004	0.00072	mg/L
Biosolids	12	0	6.4	7.5	mg/kg Dry Wt
Silver					
Influent	12	0	0.0013	0.0029	mg/L
Effluent	11	0	0.0009	0.0023	mg/L
Biosolids	12	6	5.10	9.64	mg/kg Dry Wt
Tetrachloroethylene					
Influent	4	1	1.5	2.0	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt

91st Avenue Wastewater Treatment Plant

	Number of Observations	Number of Non-Detects	¹ Average	Maximum	Units
Thallium					
Influent	12	10	0.00013	0.00036	mg/L
Effluent	11	11	All Non-Detect	-	mg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Toluene					
Influent	4	3	1.23	0.98	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Toxaphene					
Influent	12	12	All Non-Detect	-	µg/L
Effluent	16	16	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Trichloroethylene (Trichloroethene)					
Influent	4	4	All Non-Detect	-	µg/L
Effluent	4	4	All Non-Detect	-	µg/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Vinyl chloride					
Influent	1	1	All Non-Detect	-	ug/L
Effluent	4	4	All Non-Detect	-	ug/L
Biosolids	4	4	All Non-Detect	-	mg/kg Dry Wt
Zinc					
Influent	12	0	0.188	0.342	mg/L
Effluent	11	0	0.021	0.027	mg/L
Biosolids	12	0	774	849	mg/kg Dry Wt

¹Average 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.

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, 2016. 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 2016 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 2016.

91st Avenue WWTP

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

Interferences to the nitrification process were experienced on one (1) occasion resulting in elevated ammonia at the Tres Rios wetlands. The ammonia concentrations did not exceed the National Pollutant Discharge Elimination System (NPDES) permit limits at Outfall 005. The interference occurred on November 28, 2016 due to an unknown substance. The City of Phoenix conducted the following measures 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. Conducted ammonia removal rate experiments comparing samples of the 23rd and 91st Avenue WWTP mixed primary effluent and the discrete samples collected at the 91st Avenue Influent. The rate of nitrogen removal in the 91st Avenue WWTP Influent discrete sample indicated a suppression of the nitrification.
4. Installed temporary sampling stations at four (4) manholes in the collection system upstream of the WWTP for the month of December. Discrete samples were 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. BMP development and implementation was recommended for five pollutants: beryllium, fluoride, molybdenum, selenium, and di(2-ethylhexyl)phthalate (DEHP). 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 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 October 4, 2016
- 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 Maximum Allowable Headworks Loadings

As recommended in the 2004 *USEPA Local Limits Development Guidance*, a comparison was made of current WWTP loadings with the Maximum Allowable Headworks Loadings (MAHLs) established for each of the pollutants of concern at the time of the last local limits study. The EPA recommended maximum threshold values of 60 percent for metals and toxic organics and 80 percent for non-toxic organic and conventional pollutants were used to identify potential problems. A comparison to 2015 values was used to identify trends. Tables summarizing percentages of MAHL for 2016 and 2015 appear later in this section.

The 23rd Avenue WWTP evaluation showed a mercury value of 72 percent of the MAHL at the maximum influent level during 2015 which dropped to 21 percent during 2016. There were no other issues with the 23rd Avenue WWTP during 2015 or 2016.

The 91st Avenue WWTP evaluation showed a BHC-alpha value of 101 percent of the MAHL at the maximum influent level during 2016 based on one detection out of 12 measurements. The sample with the detection was collected in November. In 2015, there were no detections and the values for related compounds in both 2015 and 2016 were non-detect. The City will watch for detections during 2017.

The other pollutant with a high percentage of the MAHL at the 91st Avenue WWTP was DEHP. The average influent level was 100 percent of the MAHL and at the maximum influent level 271 percent of the MAHL. This is a considerable increase from 2015 when the values were 36 and 77 percent of the MAHL. Although the DEHP loading is not a problem at the 23rd Avenue WWTP, there was an increase in loading levels during 2016.

The 2002 local limits study identified industrial laundries and hospitals as the major source of DEHP. The study recommended evaluating best management practices (BMP) implementation rather than setting a local limit. The City will begin investigating the source of the increased loading by reviewing data from industrial laundries and hospitals and determine what additional actions are needed.

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 a molybdenum P2 fact sheet. At the average influent level at the 91st Avenue WWTP, the molybdenum loading went from 16 percent of the MAHL during 2015 to 12 percent in 2016. At the maximum influent level, the loading went from 27 percent of the MAHL during 2015 to 17 percent in 2016. Molybdenum data will continue to be monitored to measure the continued success of this outreach effort.

2016 Percentage of Maximum Allowable Headworks Loading (MAHL)

Pollutant of Concern	23rd Avenue WWTP - Local Limits Review					91st Avenue WWTP - Local Limits Review				
	2005 MAHL	2016 Avg	% of 2005	2016 Max	% of 2005	2005 MAHL	2016 Avg	% of 2005	2016 Max	% of 2005
	Lb/Day	Influent Lb/Day	MAHL	Influent Lb/Day	MAHL	Lb/Day	Influent Lb/Day	MAHL	Influent Lb/Day	MAHL
Inorganics										
Arsenic	8.1	0.5	6%	0.6	7%	30	2.8	9%	3.8	13%
Beryllium	1.2	Non Detect		Non Detect		73	Non Detect		Non Detect	
Boron	419	90	21%	96	23%	1,306	387	30%	427	33%
Cadmium	2.1	0.2	9%	1.0	48%	8.9	0.6	7%	2.6	29%
Chromium	213	2	1%	5	3%	866	9	1%	19	2%
Copper	97	33	34%	41	42%	397	136	34%	219	55%
Cyanide	13	Non Detect		Non Detect		40	Non Detect		Non Detect	
Fluoride	1,697	285	17%	336	20%	5,363	1,806	34%	2,222	41%
Lead	22	1.3	6%	2.1810	10%	89	3.3	4%	8.1	9%
Mercury	0.26	0.02	9%	0.06	21%	2.6	0.15	6%	0.37	14%
Molybdenum	19	3	16%	4	22%	77	10	12%	13	17%
Nickel	55	4	8%	27	50%	219	8	3%	12	6%
Selenium	1.4	0.29	20%	0.36	26%	4.6	1.6	35%	2.4	53%
Silver	53	0.32	1%	0.78	1%	281	1	1%	3	1%
Sulfides	1,352	Unknown		Unknown		12,724	Unknown		Unknown	
Zinc	213	48	23%	65	31%	911	208	23%	380	42%
VOCs										
Benzene	203	Non Detect		Non Detect		212	Non Detect		Non Detect	
Chlorodibromomethane	162	0.1	0.05%	0.3	0.2%	1,082	Non Detect		Non Detect	
Chloroform	406	1.5	0.4%	1.9	0.5%	4,984	4.6	0.1%	6.1	0.1%
Methylene Chloride	18	2.2	12%	3.4	19%	30	Non Detect		Non Detect	
Tetrachloroethylene	101	Non Detect		Non Detect		49	2	3%	2	5%
Trichloroethylene	9.2	Non Detect		Non Detect		58	Non Detect		Non Detect	
SVOCs										
Di (2-ethylhexyl) phthalate	81	8.6	11%	24	30%	35	35	100%	95	271%
Phenanthrene	8.0	Non Detect		Non Detect		802	Non Detect		Non Detect	
Pesticides										
4,4'-DDE	0.0006	Non Detect		Non Detect		0.0025	Non Detect		Non Detect	
4,4'-DDT	0.0006	Non Detect		Non Detect		0.0019	Non Detect		Non Detect	
BHC-alpha	0.008	Non Detect		Non Detect		0.055	0.023	42%	0.056	101%
BHC-beta	0.016	Non Detect		Non Detect		0.051	Non Detect		Non Detect	
BHC-gamma (Lindane)	0.025	Non Detect		Non Detect		0.069	Non Detect		Non Detect	

EPA recommends maximum threshold values of 60 percent for metals and toxic organics and 80 percent for non-toxic organics, and conventional pollutants.

2015 Percentage of Maximum Allowable Headworks Loading (MAHL)

Pollutant of Concern	23rd Avenue WWTP - Local Limits Review					91st Avenue WWTP - Local Limits Review				
	2005 MAHL Lb/Day	2015 Avg Influent Lb/Day	% of 2005 MAHL	2015 Max Influent Lb/Day	% of 2005 MAHL	2005 MAHL Lb/Day	2015 Avg Influent Lb/Day	% of 2005 MAHL	2015 Max Influent Lb/Day	% of 2005 MAHL
Inorganics										
Arsenic	8.1	0.5	6%	0.8	10%	30	2.7	9%	3.8	13%
Beryllium	1.2	Non Detect		Non Detect		73	0.1	0.2%	0.3	0.5%
Boron	419	86	20%	93	22%	1,306	402	31%	437	33%
Cadmium	2.1	0.1	6%	0.2	11%	8.9	0.7	8%	1.0	11%
Chromium	213	2	1%	4	2%	866	11	1%	22	3%
Copper	97	32	33%	41	43%	397	125	32%	159	40%
Cyanide	13	Non Detect		Non Detect		40	Non Detect		Non Detect	
Fluoride	1,697	239	14%	295	17%	5,363	1714	32%	2147	40%
Lead	22	1	7%	2	10%	89	3	3%	4	5%
Mercury	0.26	0.05	19%	0.19	72%	2.6	0.23	9%	0.38	15%
Molybdenum	19	3	17%	5	25%	77	13	16%	21	27%
Nickel	55	2	4%	3	5%	219	9	4%	11	5%
Selenium	1.4	0.27	19%	0.35	25%	4.6	1.6	34%	2.1	47%
silver	53	1	1%	2	3%	281	2	1%	6	2%
Sulfides	1,352	Unknown		Unknown		12,724	Unknown		Unknown	
Zinc	213	50	23%	61	28%	911	195	21%	244	27%
VOCs										
Benzene	203	Non Detect		Non Detect		212	Non Detect		Non Detect	
Chlorodibromomethane	162	0.3	0%	0.3	0%	1,082	Non Detect		Non Detect	
Chloroform	406	1	0%	2	1%	4,984	5	0%	7	0%
Methylene Chloride	18	5	30%	6	36%	30	4	14%	10	32%
Tetrachloroethylene	101	0.1	0%	0.1	0%	49	2	3%	4	7%
Trichloroethylene	9.2	Non Detect		Non Detect		58	Non Detect		Non Detect	
SVOCs										
Di (2-ethylhexyl) phthalate	81	3	4%	6	8%	35	13	36%	27	77%
Phenanthrene	8.0	Non Detect		Non Detect		802	Non Detect		Non Detect	
Pesticides/PCBs										
4,4'-DDE	0.0006	Non Detect		Non Detect		0.0025	Non Detect		Non Detect	
4,4'-DDT	0.0006	Non Detect		Non Detect		0.0019	Non Detect		Non Detect	
BHC-alpha	0.008	Non Detect		Non Detect		0.055	Non Detect		Non Detect	
BHC-beta	0.016	Non Detect		Non Detect		0.051	Non Detect		Non Detect	
BHC-gamma (Lindane)	0.025	Non Detect		Non Detect		0.069	Non Detect		Non Detect	

EPA recommends maximum threshold values of 60 percent for metals and toxic organics and 80 percent for non-toxic organics, and conventional pollutants.

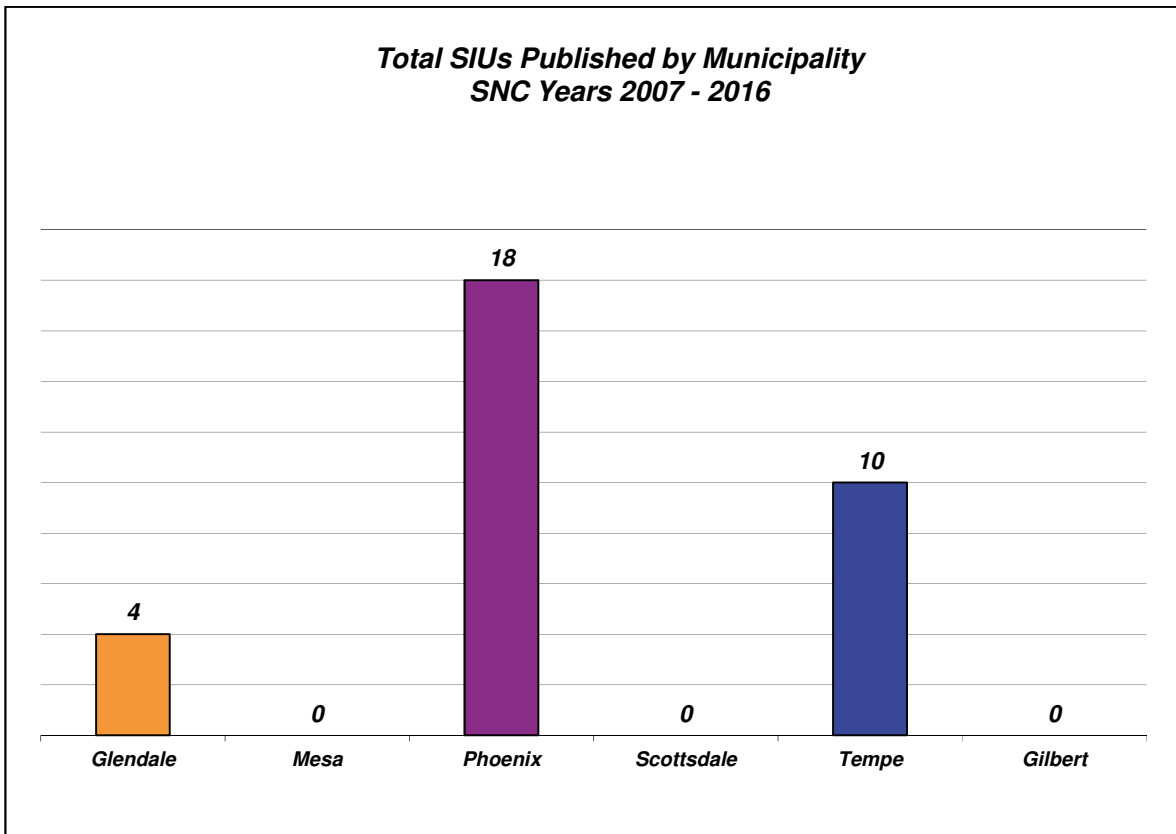
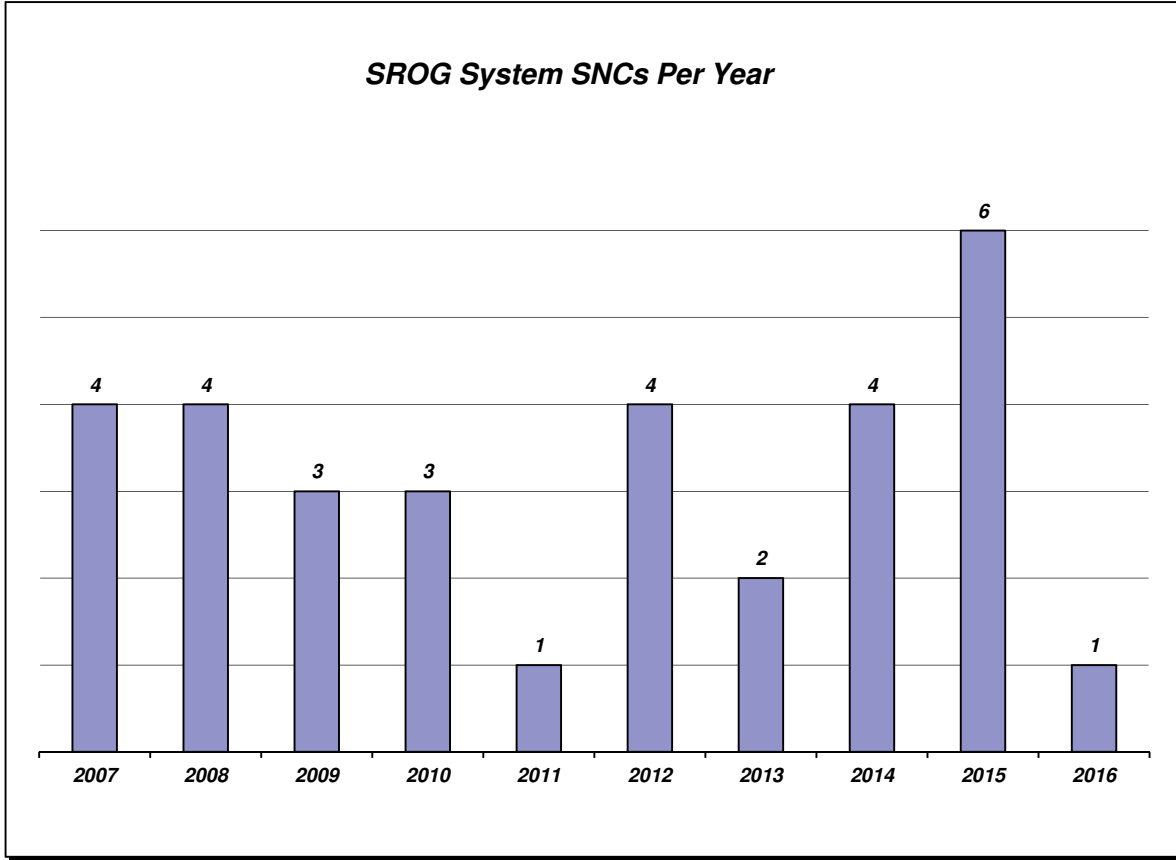
SECTION 1.2 SIGNIFICANT NON-COMPLIANCE (SNC)

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, 2016 is scheduled to appear in the Arizona Republic on Tuesday, March 14, 2017 and appears following these SNC History pages. Additionally, the March 15, 2016 Arizona Republic publication of Industrial Users in SNC for the year ending December 31, 2015 follows the 2016 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 2007 - 2016											
SNC Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	10-Year Totals
Glendale	0	0	0	1	0	1	0	1	1	0	4
Mesa	0	0	0	0	0	0	0	0	0	0	0
Phoenix	1	2	2	2	0	2	2	2	4	1	18
Scottsdale	0	0	0	0	0	0	0	0	0	0	0
Tempe	3	2	1	0	1	1	0	1	1	0	10
Gilbert	0	0	0	0	0	0	0	0	0	0	0
SROG System TOTALS	4	4	3	3	1	4	2	4	6	1	32



**Industrial Users in Significant Noncompliance (SNC) with
Applicable Pretreatment Requirements in 2016**

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 might 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 its respective local ordinance 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, 2016 through December 31, 2016.**

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 12/31/2016?	Number of Times Published	Nature of Enforcement Action(s)	Comments
City of Glendale No Users in SNC						
City of Mesa No Users in SNC						
City of Phoenix						
Gregory Packaging, Inc. (Suncup Juice) 439 South 55th Avenue Phoenix, Arizona 85043-4621	Late Reporting – 24-Hour Notification Report submitted greater than 30-days late during 3 rd Quarter	11/11/2016	No	1	Notices of Violation Show Cause Hearing – PENDING Civil Penalties - PENDING	Violations other than late reporting include: instantaneous pH effluent violations and unlawful discharge to ground violation. Show Cause Hearing imposing monetary penalties will be held during 2 nd Quarter of 2017
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 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 might 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 its respective local ordinance 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						

THE ARIZONA REPUBLIC


STATE OF ARIZONA }
COUNTY OF MARICOPA } SS.

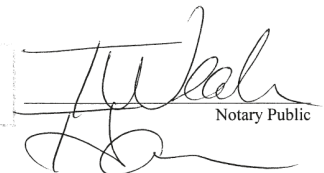
Manuel Vargas, being first duly sworn, upon oath deposes and says: That he is a legal advertising representative of the Arizona Business Gazette, a newspaper of general circulation in the county of Maricopa, Coconino, Pima and Pinal, State of Arizona, published at Phoenix, Arizona, by Phoenix Newspapers Inc., which also publishes The Arizona Republic, and that the copy hereto attached is a true copy of the advertisement published in the said paper on the dates as indicated.

The Arizona Republic

March 15, 2016

Sworn to before me this
15TH day of
March A.D. 2016




 Notary Public

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 PLACEHOLDER
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 Conc. Equivalent - <i>Sapa Remelt</i>
H	467.35 Aluminum Forming Subpart C PSES Conc. Equivalent - <i>Sapa Plant 1</i>
I	467.35 Aluminum Forming Subpart C PSES Conc. Equivalent - <i>Sapa Plant 2</i>
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% - <i>BioTech</i>
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 Mfr. Subpart AB PSNS Conc. Equivalent - <i>Mega Metals</i>
S	469.18 Electrical and Electronic Components Subpart A PSNS CWF 98.46% - <i>Entrepix</i>
T	469.28 Electrical and Electronic Components Subpart B PSNS CWF 66% - <i>SUMCO</i>
U	464.36 Metal Molding and Casting Subpart C PSNS - <i>Arizona Cast Turbine</i>
V	PLACEHOLDER
W	433.17 Metal Finishing PSNS CWF 90.41% - <i>MPP Group of Companies</i>
X	433.17 Metal Finishing PSNS CWF 95.87% - <i>Honeywell Sky Harbor Circle</i>
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
PLACEHOLDER**

**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
Phoenix Arizona 85043-3715**

Permit № 1408-21490 Effective 08/04/2014 through 12/31/2017		
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
Phoenix Arizona 85043-3715**

Permit № 1408-21491 Effective 08/04/2014 through 12/31/2017		
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
50 South 49th Avenue
Phoenix Arizona 85043-3825**

Permit № 1408-21489 Effective 08/04/2014 through 12/31/2017		
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
Phoenix, Arizona 85043-3704**

Permit № 1210-5475 Effective 10/01/2012 through 09/30/2017		
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 - TERMINATED
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 for:
Mega Metals
1325 North 22nd Avenue
Phoenix, Arizona 85009-3714**

Permit № 1502-27341 Effective 02/01/2015 through 07/31/2016			Permit № 1608-27341 Effective 08/01/2016 through 01/31/2020		
Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)	Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A	Arsenic	0.13	N/A
Cadmium	0.047	N/A	Cadmium	0.047	N/A
Chromium*	2.1	0.85	Chromium	3.2	1.28
Copper	1.5	N/A	Copper	1.5	N/A
Cyanide (T)	2.0	N/A	Cyanide (T)	2.0	N/A
Lead*	0.41	0.74	Lead*	0.41	1.11
Mercury	0.0023	N/A	Mercury	0.0023	N/A
Nickel*	3.1	2.10	Nickel*	4.7	3.17
-----			Oil & Grease**	100	N/A
Selenium	0.10	N/A	Selenium	0.10	N/A
Silver	1.2	N/A	Silver	1.2	N/A
Titanium*	3.0	1.30	Titanium*	4.5	1.97
Zinc	3.5	N/A	Zinc	3.5	N/A
pH	5.0 – 10.5 SU	N/A	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 40 CFR 403.6(c). These limits represent the more stringent of the converted standards and local limitations.

** Permittee is required to use EPA Method 1664 (Revision A or B) Silica Gel Treated n-Hexane Extractable Material (SGT HEM) in 40 CFR 136 for Oil & Grease (O&G) analysis, and Permittee must report Total O&G- SGT HEM. The non-polar material O&G Daily Maximum target level should be no greater than 100 mg/L as recommended in "Treatability of Oil and Grease Discharge to Publicly Owned Treatment Works", Document EPA 440/1-75/066, April 1975.

**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
Phoenix, Arizona 85034-6404**

Permit № 1304-30385 Effective 04/25/2013 through 03/31/2018		
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

*These limitations were derived by applying the Combined Wastestream Formula at 40 CFR 403.6(e) to the discharges regulated under Local Limitations and Electrical and Electronic Components Subpart A – Semiconductor Subcategory Standards (40 CFR 469).

**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
Phoenix, Arizona 85050-4201**

Permit № 1201-5340 Effective 01/01/2012 through 12/31/2016		
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

**These limitations were derived by applying the Combined Wastestream Formula at 40 CFR 403.6(e) to the discharges regulated under Local Limitations and Electrical and Electronic Components Subpart B – Electronic Crystals Subcategory Standards (40 CFR 469).

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

**Arizona Cast Turbine LLC
3110 N Oakland Street, Suite 1114
Mesa, Arizona 85215**

Permit Effective 01/08/2015 through 01/07/2017		
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

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

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
Phoenix, Arizona 85043-3905**

Permit № 1301-5335 Effective 01/01/2013 through 12/31/2017		
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**

**95.87% Combined Wastestream Limits
Honeywell Mechanical Repair and Overhaul
Phoenix Repair and Overhaul
1944 East Sky Harbor Circle
Phoenix, Arizona 85034-3442**

Permit № 1307-2990 Effective 07/01/2013 through 06/30/2018		
Parameter	Daily Maximum (mg/L)	Monthly Average (mg/L)
Arsenic	0.13	N/A
Cadmium*	0.047	0.068
Chromium*	2.66	1.64
Copper*	1.5	1.99
Cyanide (T)*	1.15	0.62
Lead*	0.41	0.41
Mercury	0.0023	N/A
Nickel*	3.82	2.28
Selenium	0.10	N/A
Silver*	0.41	0.23
TTO*	2.04	N/A
Zinc*	2.50	1.42
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	<u>Chemical Metal Cleaning Wastes</u> Daily Maximum mg/l	<u>Cooling Tower Blowdown</u> 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 last provided during the pretreatment year.
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 "AC", this means that even though the SIU timely submitted an application for a renewed permit, a renewed permit has not yet been issued and is administratively continued or automatically extended. The existing permit remains in full force and effect until the renewed 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 that were successfully analyzed with a result during the quarter for the IU as a whole. NOTE: Days in which pH was the only parameter monitored are not included in this number. NOTE: Where the IU has multiple compliance sampling points, the number City Sampling Days IS NOT multiplied by the number of compliance sampling points.
 - c. **NUMBER OF SIU SAMPLING DAYS:** Indicates the actual number of days that the SIU took wastewater samples that were successfully analyzed with a result 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. NOTE: Each parameter counts as a violation where the IU fails to sample or fails to correctly analyze.
 - 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 for each quarter using data from the previous six months. The quarter for SNC is determined by the date on which the violation occurred, i.e., the quarter for SNC late reporting is the first day on which the report is late. 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., parameter, reporting, permit condition, 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 or within Review Meeting Summaries.
 - 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.

ENFORCEMENT SUMMARY AND COMMENTS (19)

Company Name: (20)

Process Flow: (21)

General Information and type of wastewater treatment	(22)
First Quarter	(23)
Second Quarter	(24)
Third Quarter	(25)
Fourth Quarter	(26)

To be published for this year in newspaper for Significant Non-Compliance? (27) Yes No

Penalties this reporting year: Assessed (28) Collected (29)

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: 01/01/2016 through 12/31/2016

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.

2-3-2017

Date:



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



CITY OF GLENDALE, ARIZONA



Glendale's award-winning holiday lighting event has become a family tradition across the valley and Arizona since 1994. The stunning display of 1.5 million LED lights illuminates sixteen blocks of Historic Downtown Glendale, making it the largest free holiday light display in 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. 2016 was a year of many accomplishments. For the first time ever, the Fiesta Bowl was utilized as a playoff for two of the final four top ranked college football teams at the University of Phoenix Stadium. The stadium saw 71,279 fans in attendance for the matchup between Clemson and Ohio State. The Glendale Water Services Department treated 13.9 billion gallons of water to supply to customers. 158,911 square feet of turf was converted to desert landscape resulting in 3.6 million gallons of water savings each year.

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. 2016 saw 6 companies expand and 7 new businesses come to Glendale resulting in 1,398 jobs.

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 2016

Pretreatment Program Changes and Other Activities

Program Changes

The pretreatment program continues to expand the “Not In My Drain Campaign” in 2016. 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, outreach efforts will result in the hanging Not In My Drain brochures in a selected area of Glendale to educate residents about the proper disposal of FOG. This year 2,800 brochures were delivered to Glendale residents. The brochure is attached and displayed on the two pages following this page.

A City-wide job study conducted in FY 2016 resulted in the reclassification of the pretreatment program manager position to administrator, pretreatment programs. The study also resulted in bringing all pretreatment program salary ranges for management and inspectors up in order to be competitive with other cities in the valley.

The transition to conduct paperless pretreatment and storm water inspections that started with the purchase of 5 tablets has been a great success. A remote inspector module was added in 2016 to the current pretreatment database. This allows inspectors to conduct inspections electronically on a tablet in near real-time. All inspections in the pretreatment division are now being conducted electronically.

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, and AZ WATER Pretreatment Committee meetings as well.

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 5 pretreatment division employees in 2016.

Public Participation / Education

Glendale charges an annual “Grease Bearing Waste Discharger Fee” of \$179.07 to all commercial facilities who own a grease trap/grease interceptor. To provide better service to commercial FOG customers, the pretreatment program will have 100 percent of its permitted customers billed automatically on a monthly basis beginning by the end of fiscal year 2016.

The pretreatment program manager gave a presentation at a Water Services Advisory Commission meeting on November 2, 2016 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 2016

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 2016 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 2016. 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 624 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 421 FOG related inspections performed during 2016. In August 2007, Glendale began issuing commercial discharge permits to FOG facilities with approved, in service pretreatment devices. Currently there are 438 active commercial discharge permits issued to various FOG facilities. The importance of FOG facility inspections continues and accounted for 31% of all pretreatment inspections conducted in 2016.

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:

The pretreatment program has been working with several potential industrial users in Glendale. Glendale expects to be adding two new significant industrial users in 2017 as a result of successful negotiations in 2016 by the economic development team to bring new industry to Glendale.

Magellan Aerospace Turbine Services is a zero discharge categorical industrial user. This facility is inspected unannounced annually to ensure compliance with the zero discharge status.

A temporary discharge permission letter has been granted to a cardboard box manufacturing company. Based on the operation, flow volume, and wastewater quality this industry will more than likely be issued an industrial level "B" permit in the near future.

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, 2016 to December 31, 2016, the City of Glendale Pretreatment Program conducted 137 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 the mobile carpet cleaning industries was mailed out to facilities of this type to fulfill an educational outreach requirement in 2016. The pretreatment program held a stormwater compliance assistance meeting on October 28, 2016 with a mobile carpet cleaning company as a result of a residential inquiry about illegal dumping.

As a result of a 2015 audit of the Glendale Municipal Separate Storm Sewer System (MS4) Program by the United States Environmental Protection Agency and contracted auditors, the pretreatment program worked with environmental resources to develop several standard operating procedures in 2016 in order to improve upon the program. These procedures were developed to ensure successful quality outfall inspections, dry weather sampling events, wet weather monitoring investigations, illicit discharge investigations, and management of a prioritized list.

**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.



Storm Water Pollution Prevention

Best Management Practices (BMPs) for the Carpet Cleaning Industry

Clean Water Is Important To All of Us

Throughout Glendale, storm water flows directly into the environment which can become polluted if not protected. That means anything dumped down a storm drain quickly reaches our washes, rivers, and retention basins and can harm the environment.

The City of Glendale has many programs to protect water quality. They include enhancement and restoration of waterways, maintenance of the storm drainage system, enforcement of pollution control regulations, and education.



Carpet Cleaning Industry Challenges



Wastewater from carpet and upholstery cleaning commonly contains chemicals, detergent, carpet fibers, oil, grease, and dirt. This wastewater should never be disposed of into storm drains or onto the ground as it can negatively impact water quality. An easy way to remember this is the saying:

"Only rain goes in the storm drain."

Solutions

The carpet cleaning industry must follow best management practices, which include the proper handling, storage, and disposal of materials, to help prevent water pollution and avoid fines.

VIOLATIONS OF THE STORMWATER CITY CODE COULD RESULT IN LOCAL FINES OF UP TO \$2,500 PER DAY, PER EVENT.



For More Information



For questions on storm water rules and regulations related to the carpet cleaning industry, please call the City of Glendale Pretreatment Program at (623) 930-4779.

Carpet Cleaning Wastewater Disposal



- Discharge wastewater into a sink, toilet, tub, sewer cleanout pipe, or other drain connected to the sanitary sewer system.
- Before disposing of wastewater, filter it to remove carpet fibers and other solids in order to prevent pipe clogs. Filtered material can be disposed of in the regular trash unless it contains hazardous materials.
- Hazardous materials such as flammable liquids must be disposed of in accordance with the regulations set forth by the Arizona Department of Environmental Quality.

City of Glendale Requirements

- The City of Glendale sewer system and storm water conveyance system are separate from one another.
- Do not lift or remove a sewer manhole cover to discharge wastewater – it is illegal to do so.
- It is a reasonable expectation of the carpet cleaning company to require its commercial or residential customers to provide a proper disposal option for carpet cleaning wastewater at the site where the work is being performed.
- The City of Glendale does not provide a disposal site for carpet cleaning and other similar wastes.



Spills

- Maintain cleaning equipment (tanks, hoses, and fittings) to prevent wastewater leaks.
- Store chemicals in a secure and contained area to prevent spills.
- Carry spill response materials such as dry absorbent, or a spill cleanup kit in business vehicles.
- Do not use water to wash down outside spills. Use dry absorbent and sweep up.
- In accordance with City Code, report spills and leaks that enter the storm drain system to (623) 930-4779.



Employee Training

- Train all employees upon hiring and annually. Keep a record and document all training provided.
- Post these Best Management Practices where employees can see them.

Report illegal dumping by calling (623) 930-4779 or after hours (623) 930-4177



Carpet Cleaners

CITY OF GLENDALE

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES
January 1, 2016 – December 31, 2016 – Total Pretreatment Expenditures \$ 448,798

PRETREATMENT PROGRAM PERSONNEL		
<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</u>
Administrator, Pretreatment Programs	1.0	1.0
Pretreatment Inspector, Senior	1.0	1.0
Pretreatment Inspector	3.0	3.0

PRETREATMENT PROGRAM EXPENDITURES	
Computer Upgrades & Equipment	\$10,898
Chemicals, Sampling Supplies	\$6,821
Office Supplies	\$1,500
Laboratory Analysis	\$17,122
Maintenance	\$9,705
Personnel Expenses	\$356,233

PRETREATMENT EQUIPMENT INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
Computers	3	9
Samplers	1	8
Flowmeters	0	3
pH Meters	0	3
Vehicles	1	6
Gas Detectors	0	19
Tablets (iPad)	0	5

CITY OF GLENDALE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016

	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 2016:

None

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2016:

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, Administrator, Pretreatment Programs				Contact Telephone Number: (623) 930-4779		
Reporting Period: January 1 – December 31, 2016		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		2	100	3	100
2.	No. of SIUs in Inconsistent Compliance		0	0	0	0
3.	No. of SIUs in Significant Noncompliance		0	0	0	0
4.	No. of Parameter Violations		0		0	
5.	No. of Reporting Violations		0		0	
6.	No. of Permit Condition Violations		0		0	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
	No	%	No	%	No	%
1.	No. of Control Documents Issued		0		0	
2.	No. of Nonsampling Inspections Conducted		2		3	
3.	No. of Facilities Inspected (Nonsampling)		2		3	
4.	No. of Sampling Visits Conducted		8		8	
5.	No. of Facilities Sampled		2		3	
IV. Enforcement Actions						
	Categorical		Non-categorical		Total SIUs	
	No	%	No	%	No	%
1.	Notices of Violations Issued to SIUs		0		0	
2.	Temporary Increase in IU Self Monitoring		0		0	
3.	Administrative Orders Issued to SIUs		0		0	
4.	Compliance Schedules Issued		0		0	
5.	Settlement Agreements		0		0	
6.	Other Actions		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)		\$ 0.00 / 0		\$ 0.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: American Pumping Service, Inc.

Process Flow: 8,670 gpd (Average)

General Information and type of wastewater treatment	<p>American Pumping specializes in batch treatment of commercial grease trap and residential septic waste. American Pumping's pretreatment system is a non-hazardous liquid waste dewatering system that consists of lime conditioning, polymer addition, and belt press dewatering. Discharge average is approximately 8,670 gallons per day, 21 days per month. Flow and pH are monitored continuously during 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**

CITY OF GLENDALE SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

114

NAME: Arrowhead Hospital				REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 18701 N. 67 th Avenue Glendale, Arizona 85308			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: 01/03/2014	PERMIT EXPIRES: 11/30/2018		
SAMPLING LOCATION VERIFIED ON: 04/11/16		RCRA NOTICE: N/A			
SLUG CONTROL PLAN EVALUATION DATE: 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)	
Number of Inspections	0	0	1	0	
Number of City Sampling Days	0	3	0	0	
Number of IU Sampling Days	1	0	1	0	
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	0	
Compliance Status	C	C	C	C	
Evaluated as of:	4/30/16	7/30/16	10/30/16	1/30/17	

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 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: Arrowhead Hospital

Process Flow: 65,013 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

CITY OF GLENDALE SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: Banner Thunderbird Medical Center		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 5555 W. Thunderbird Road Glendale, Arizona 85306		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: 12/15/2014	PERMIT EXPIRES: 12/14/2018	
SAMPLING LOCATION VERIFIED ON: 9/21/16		RCRA NOTICE: N/A		
SLUG CONTROL PLAN EVALUATION DATE: 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)
Number of Inspections	0	0	0	1
Number of City Sampling Days	0	0	3	0
Number of IU Sampling Days	0	1	0	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	0	0	0	0
Compliance Status	C	C	C	C
Evaluated as of:	4/30/16	7/30/16	10/30/16	1/30/17

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 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: Banner Thunderbird Medical Center

Process Flow: 120,960 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 consist 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

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

NAME: Corning Gilbert Incorporated			REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 5310 West Camelback Road Glendale Arizona 85301			MAILING ADDRESS: P.O. Box 23189 Phoenix, Arizona 85063		
CATEGORICAL USER? Yes	40 CFR	433.15	LIMITS APPENDIX:	D	BMR SUBMITTED: 08/21/1984
TTO CERTIFICATION DATE SUBMITTED: 12/27/16			PERMIT EFFECTIVE:	2/19/2017	PERMIT EXPIRES: 1/20/2022
SAMPLING LOCATION VERIFIED ON: 3/7/16			RCRA NOTICE: 06/08/1990		
SLUG CONTROL PLAN EVALUATION DATE: 12/2016					
	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	0	1	
Number of City Sampling Days	4	0	0	0	
Number of IU Sampling Days	1	0	1	0	
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	0	
Compliance Status	C	C	C	C	
Evaluated as of:	4/30/16	7/30/16	10/30/16	1/30/17	

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 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: Corning Gilbert Incorporated

Process Flow: 53,269 gpd (Average)

General Information and type of wastewater treatment	<p>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.</p> <p>Corning's Categorical 'A' Permit has been drafted and issued as a draft for 30 days per Arizona State law. A 30 day review period was implemented for SIU permits in Glendale to allow the industry to comment or request changes to the draft permit. Corning is currently under administratively continued status under the previously issued 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**

CITY OF GLENDALE SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT

NAME: Magellan Aerospace, Glendale, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 12/9/16		PERMIT EFFECTIVE: 02/20/2017	PERMIT EXPIRES: 01/20/2022	
SAMPLING LOCATION VERIFIED ON: 8/15/16		RCRA NOTICE: 06/08/1990		
SLUG CONTROL PLAN EVALUATION DATE: 4/20/13				
	1st Quarter (Jan 1 - Mar 31)	2nd Quarter (Apr 1 - Jun 30)	3rd Quarter (Jul 1 - Sep 30)	4th Quarter (Oct 1 - Dec 31)
Number of Inspections	0	0	0	1
Number of City Sampling Days	0	0	4	0
Number of IU Sampling Days	1	0	1	0
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	0
Compliance Status	C	C	C	C
Evaluated as of:	4/30/16	7/30/16	10/30/16	1/30/17

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 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			K	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: Magellan Aerospace, Glendale, Inc.

121

Process Flow: 817 gpd (Average)

General Information and type of wastewater treatment	<p>Magellan Aerospace, Glendale, Inc. produces aluminum and magnesium parts by casting. Pretreatment system 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> <p>Magellan Aerospace, Glendale, Inc. has been issued a draft permit. The permit has a review period of 30 days per Arizona State law to allow Magellan to comment or request revisions prior to becoming effective on 2/20/2017. Magellan is currently covered under the previous permit per the administratively continued provision in the permit.</p>
First Quarter	<p>In the fourth quarter of 2015 Magellan Aerospace had a permit local limit violation of the parameter silver. The result was 1.69 mg/L and the limit for silver was 1.2 mg/L. In addition to the violation, Magellan Aerospace was over the TRC value of 33.33% for silver. As a result of this, Magellan Aerospace was published in the Arizona Republic newspaper in the first quarter of 2016 for significant noncompliance.</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

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: 01/01/2016 through 12/31/2016

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.

2/9/17
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 2016, the City’s area and population had grown to 138 square miles with an estimated 475,274 residents and 174,273 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.



Mesa is a City on the move with a population approaching a half million people, Mesa boasts of many amenities that make it the city of choice for professionals, entrepreneurs, families, students, business, and industry. Continued expansion of the light rail line through the heart of Mesa. Light rail service in Mesa is expanding, adding an additional five miles to the existing line. When light rail opened, the existing station in Mesa quickly became the highest ridership station on the 20-mile light rail line.

The citizens of Mesa strongly support the current extensions and encourage continued expansion. The light rail line makes it easier for people living and working nearby to get

to many great locations without needing a car. The stations in Mesa are attracting exciting new developments that is spurring additional growth and activity in the surrounding areas.

Phoenix-Mesa Gateway Airport celebrated the arrival of its 5 millionth passenger. Formerly Williams Air Force Base, this commercial airport is now one of the fastest growing airports in the country. A new passenger terminal is planned for the north side of the airport to handle the continued growth in passenger service. The Airport is also home to several companies including service centers for Embraer Aircraft, Cessna Citation, and Able Engineering.

Spring Training and Mesa Riverview. Spring training has long been a tradition in Mesa. That tradition is growing with the new facility for the Chicago Cubs and the return of the Oakland Athletics to Hohokam Stadium. These athletic facilities provide the opportunity for other community events and activities. The Cubs Park at Riverview has brought with it an exciting new Riverview Park and expansion of the entertainment, shopping, and business activities in the area.

Redevelopment of the former GM Proving Grounds. GM operated its desert proving grounds in Mesa for many years. When the decision was made to close this facility the property was sold for redevelopment. Using options, the subsequent owners and developers are creating exciting new additions to Mesa that include a wide variety of housing options along with interconnected recreational, educational, and shopping amenities.

Dynamic growth in higher education. Mesa has been the home of Mesa Community College (the largest community college in the country), Arizona State University Poly, Northern Arizona University, a branch of Chandler-Gilbert Community College, and AT Still University for many years. In 2011 the City of Mesa began an initiative to recruit additional colleges to the community. That effort has been very successful with Benedictine University, Albright College, Westminster College, and Wilkes University being attracted to Mesa. These new colleges and universities opened for classes in 2013. In addition, Grand Canyon University has announced plans to bring a campus to Mesa to be part of the East mark development. Mesa is also home to the East Valley Institute of Technology which provides technical education and prepares students for work in a wide variety of industries.

Positive business environment brings new and expanded industries. Several new industries such as CMC Steel, Matheson Tri-gas, Crescent Crown Distributing, Bridgestone Research and Development, and Apple have recently decided to establish facilities in Mesa and others are growing and shifting more of their operations to Mesa. One of the reasons these businesses have chosen Mesa is our proven ability to respond quickly to industry needs and process development request. Another reason is the availability of the infrastructure needed to serve new industries.

As one of the busiest general aviation airports in the United States. Falcon Field is a catalyst for economic development in Northeast Mesa. Serving aviation industry employers and large-scale manufacturers. The current and significant Falcon Field employment base is expected to grow over time.

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.

With all these new exciting developments, we are not done. Mesa is expecting to grow by over 150,000 people over the next 30 years. This growth projection gives us the opportunity to continue to evolve and become an even better city.

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, 2016 through December 31, 2016, 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 2,100 new and existing facilities in the commercial facilities database and 411 were inspected, entered and/or updated. All these facilities have the potential to discharge Pollutant of Concern (POC) to the collection system.
2. In 2016, the City of Mesa partnered with Bakers Commodities and continues to provided 4 locations around the City to better assist residents in the disposal of fryer grease. Baker's recycles cooking oil and grease into products that can be used to feed livestock, power vehicles, and act as a base for everyday items. The goal of the program is to keep the grease out of the municipal sewer system preventing costly Sanitary Sewer Overflows (SSO) and untreated sewage releases into the environment.
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 2016, the City of Mesa collected 330 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
- Bloodborne Pathogens
- Hazardous Communication Right-to-Know
- Confined Space Training
- Western States Environmental Enforcement Training

Eddie Cortinas - Inspector

- Annual Hazardous Waste Refresher
- Bloodborne Pathogens
- Hazardous Communication Right-to-Know
- Confined Space Training

Jim Lagrou -- Inspector

- Annual Hazardous Waste Refresher
- Bloodborne Pathogens
- Hazardous Communication Right-to-Know
- Confined Space Training
- Western States Environmental Enforcement Training

Gene Gonzales – Inspector

- Annual Hazardous Waste Refresher
- Bloodborne Pathogens
- Hazardous Communication Right-to-Know
- Confined Space Training
- Western States Environmental Enforcement Training

Jimmy Hollingsworth – Inspector

- Annual Hazardous Waste Refresher
- Bloodborne Pathogen
- Hazardous Communication Right-to-Know
- Confined Space Training
- Tri-State Conference (Pretreatment Courses)

CITY OF MESA

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES
January 1, 2016 – December 31, 2016 – Total Pretreatment Expenditures \$ 426,521.00

PRETREATMENT PROGRAM PERSONNEL															
<table border="1"> <thead> <tr> <th align="center"><u>Title</u></th> <th align="center"><u>FTEs 2015</u></th> <th align="center"><u>FTEs 2016</u></th> </tr> </thead> <tbody> <tr> <td>Regulatory Compliance Manager</td> <td align="center">0.5</td> <td align="center">0.5</td> </tr> <tr> <td>Industrial Pretreatment Supervisor</td> <td align="center">1.0</td> <td align="center">1.0</td> </tr> <tr> <td>Industrial Pretreatment Inspectors</td> <td align="center">4.0</td> <td align="center">4.0</td> </tr> <tr> <td>Administrative Aide</td> <td align="center">0.5</td> <td align="center">0.5</td> </tr> </tbody> </table>	<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</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
<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</u>													
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PRETREATMENT PROGRAM EXPENDITURES										
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Total	\$ 426,521.00									

PRETREATMENT EQUIPMENT INVENTORY																								
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<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>																						
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Cameras	0	5																						

CITY OF MESA
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	Arizona Cast Turbine ** 3110 N Oakland Mesa, Arizona 85215	91st Avenue	331512	464
2.	Banner Desert Medical Center 1400 S. Dobson Rd Mesa, Arizona 85202	91st Avenue	8062	City Code
3.	Infineon Technologies EPI 550 W Juanita Ave Mesa, Arizona 85210	91st Avenue	334413	469
4.	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 2016:

Banner Desert Medical Center
1400 S Dobson Rd
Mesa, Arizona 85202

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2016:

None

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, 2016			Categorical IUs: 3		Significant Non-Categorical IUs: 1	
II. Significant Industrial User Compliance						
	Categorical		Non-categorical		Total SIUs	
	No.	%	No.	%	No.	%
1. No. of SIUs in Full Compliance	2	66	1	100	3	75
2. No. of SIUs in Inconsistent Compliance	1	33	0	0	1	25
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	1		0		1	
6. No. of Permit Condition Violations	1		0		1	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
1. No. of Control Documents Issued	1		0		1	
2. No. of Non-Sampling Inspections Conducted	4		0		4	
3. No. of Facilities Inspected (Non-sampling)	4		0		3	
4. No. of Sampling Visits Conducted	52		0		4	
5. No. of Facilities Sampled	4		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	

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

NAME: Arizona Cast Turbine		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 3110 N Oakland, Mesa, Arizona 85215		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 464.36	LIMITS APPENDIX: U	BMR SUBMITTED: N/A	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 01/08/2015	PERMIT EXPIRES: 01/07/2017		
SAMPLING LOCATION VERIFIED ON: (001 & 002) 3/7/16		RCRA NOTICE: N/A		
SLUG CONTROL PLAN EVALUATION DATE: 8/31/16				
	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	4	4	4
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	0	0	0	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	1
Number of Permit Cond. Violations	0	0	0	1
Compliance Status	C	C	C	S
Evaluated as of:	3/31/16	6/30/16	9/30/16	12/31/16

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	Permit & Reporting	12/7/16						
			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: Arizona Cast Turbine

Process Flow: 1,000 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 3/7/16, the City conducted 4 days of compliance sampling at Outfall 002.</p>
Second Quarter	<p>On 4/1/16, the IU submitted the total quantity of metal processed for the month of March. On 4/8/16, the City sent IU sample results for first quarter sampling. On 5/23/16, the City conducted 4 days of compliance sampling. On 6/1/16 the IU submitted the total quantity of metal processed for the month of May. On 6/6/16, the City sent IU sample results for second quarter sampling. On 6/14/16, the IU submitted the June PRC with no deficiencies.</p>
Third Quarter	<p>On 8/1/16, the City conducted 4 days of compliance sampling. On 8/31/16, the City conducted an annual compliance inspection and required IU to submit planned changes to operation and a Pollution Prevention Plan (P2). On 9/1/16, the IU submitted the total quantity of metal processed for the month of August. On 9/13/16, the City requested a secondary contact. On 9/14/16, the IU submitted a secondary contact, Robert McQuade (New Plant Manager). On 9/20/16, the City sent IU sample results for third quarter sampling. On 9/21/16, the City sent IU a copy of permit application and a reminder that the permit application is due 60-days prior current permit expiration of 1/7/17.</p>
Fourth Quarter	<p>On 11/1/16, the City conducted 4 days of compliance sampling. On 11/1/16, The City sent IU a reminder that the permit application is due with a list of requirements. On 11/28/16, the City sent the IU a reminder that the permit application was due with the requirements of the planned changes to process operations. On 12/1/16, the IU submitted the total quantity of metal processed for the month of November. On 12/5/16, the City sent IU an NOV for failure to provide information requested and failure to submit a permit application 60 days prior to permit expiration. On 12/7/16, the IU received and signed for the NOV. On 12/13/16, the City sent IU sample results for fourth quarter sampling. On 12/22/16, the IU submitted a Permit Application. On 12/22/16, the City sent IU an email requesting the planned changes to process operations required for issuing a new Permit.</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: Banner Desert Medical Center

141

Process Flow: 200,000 GPD

General Information and type of wastewater treatment	<p>This is a full-service hospital with 649 licensed beds, operating 24 hours a day, seven days per week. The hospital has approximately 3400 employees. This hospital performs three main specialties: Women's/children's services, medical/surgical services, and emergency services. Discharges occur during all hours of operation ranging from general hospital discharges, cooling tower, boiler, and chiller discharges, and kitchen wastewater discharges after it has been treated by a Grease Removal device (GRD).</p>
First Quarter	<p>On 2/8/16, the City sent IU a Change of Inspector Notification. On 3/17/16, the City sent IU a reclassification of Permit from a Class II to a Class I SIU.</p>
Second Quarter	<p>On 5/26/16, the IU submitted the June PRC with no deficiencies.</p>
Third Quarter	<p>No contact with IU</p>
Fourth Quarter	<p>On 11/14/16, the IU submitted the December PRC with no deficiencies. On 11/30/16 the City conducted an Annual Compliance Inspection.</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

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). 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. All non-process and pretreated wastewater discharge to Outfall 002.</p>
First Quarter	<p>On 2/2/16, the City sent IU a Change of Inspector Notification.</p>
Second Quarter	<p>On 5/24/16, The City conducted 1 day of compliance sampling at Outfall 001 and 2 days of compliance sampling at Outfall 002. On 6/14/16, the IU submitted the June PRC with no deficiencies. On 6/16/16, the City sent IU sample results.</p>
Third Quarter	<p>No contact with IU</p>
Fourth Quarter	<p>On 10/20/16, the City performed an Annual Compliance Inspection. On 10/26/16, the IU submitted an updated Pollution Prevention Plan (P2). On 11/7/16, the City performed 1-day of compliance sampling at Outfall 001 and 2-days of compliance sampling at Outfall 002. On 11/28/16, the city sent IU sample results. On 12/13/16, the IU submitted the December 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**

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

NAME: The Boeing Company		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 5000 East McDowell Road, Mesa AZ 85215		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: A & E	BMR SUBMITTED: 05/28/1991	
TTO CERTIFICATION DATE SUBMITTED: 12/12/2016		PERMIT EFFECTIVE: 02/02/2016	PERMIT EXPIRES: 02/01/2021	
SAMPLING LOCATION VERIFIED ON:		RCRA NOTICE: 11/1987		
SLUG CONTROL PLAN EVALUATION DATE: 05/08/2015				
	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	1	0	0	0
Number of City Sampling Days	7	6	7	7
Number of IU Sampling Days	4	4	4	4
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	0
Compliance Status	C	C	C	C
Evaluated as of:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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 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			M	M	M	M		

Enforcement Status Codes

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: The Boeing Company

145

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 11, 2016, a Pre-Permit Inspection was performed. On January 27, 2016, a New Permit was issued and sent to the IU. On February 1, 2016, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On February 5, 2016, the City of Mesa performed 3 days of compliance monitoring at Outfall 003.</p>
Second Quarter	<p>On April 6, 2016, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On April 1, 2016, the City of Mesa performed 2 days of compliance monitoring at Outfall 003. On June 9, 2016, the IU submitted their June 2016 PRC with no deficiencies. On June 8, 2016, the IU submitted an updated P2 Plan.</p>
Third Quarter	<p>On July 13, 2016, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On July 29, 2016, the City of Mesa performed 1 day of compliance monitoring at Outfall 003. On September 9, 2015, the IU submitted an updated P2 Plan.</p>
Fourth Quarter	<p>On November 1, 2016, the City of Mesa performed 1 day of local limit compliance monitoring at Outfall 001. On October 21, 2016, the City of Mesa performed 4 days of compliance monitoring at Outfall 002. On October 21, the City of Mesa performed 2 days of compliance monitoring at Outfall 003. On December 12, 2016, the IU submitted their December 2016 PRC with no deficiencies.</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

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: 01/01/2016 through 12/31/2016

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.

02/24/2017 ^(WAS) _{etc}

Date:

Kathryn Sorensen

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: 01/01/2016 through 12/31/2016

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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02/24/2017 *MS*

Date:

Kathryn Sorensen

Kathryn Sorensen
Water Services Department Director
City of Phoenix, Arizona



City of Phoenix

General

Phoenix was incorporated as a city in 1881. Geographically, Phoenix covers more than 500 square miles and it is actually larger than Los Angeles. Phoenix is Arizona's state capital and the 6th largest city in the United States. When people refer to Phoenix, they are often discussing the Greater Phoenix area, which includes more than 25 cities and towns. Over the past two decades Phoenix has been one of the fastest growing cities in the country, and with its size and growth it has developed into a major city.

The population of Phoenix is estimated to be 1.5 million. U.S. Census estimates the median age of a Phoenician is about 32 years old. Only 12.7% of the people in Phoenix are over the age of 60, and 56% are between the ages of 25 and 59. Almost 27% of the residents of Phoenix have at least one 4-year college degree. The median household income in Phoenix is about \$47,000. About 23% of families are living at or below poverty level in the City of Phoenix.



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.

Phoenix Major Industries

The major portion of the economic base of Phoenix is made up of the following industries: aerospace and defense, technology and innovation, renewable energy, bioscience and health care, optics/photonics, advanced manufacturing, advanced business services, construction, tourism and service.

Phoenix Water

The city of Phoenix Water Services Department is more than 100 years old and treats and distributes tap water to 1.5 million customers daily. Phoenix Water manages the city's sewer system, and handles wastewater treatment operations for 2.5 million residents in five Valley cities. Infrastructure includes 7,000 miles of water lines, 5,000 miles of sewer lines, eight treatment plants, 50,000 fire hydrants and 90,000 manholes. Phoenix's water and sewer rates are among the lowest of comparable-sized cities nationwide. Our tap water supply is in very good shape due to decades of planning and multiple water sources. The city reuses nearly all of its wastewater on crops, wetlands, and energy production.

Pretreatment Program Changes

There have been no significant changes to the City of Phoenix Industrial Pretreatment Program (Program) during 2016.

Pretreatment Program Activities

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	1026
Construction Inspections	95
SSO Investigations - Residential Areas	15
SSO Investigations - Commercial/Industrial Areas	11
Routine/Educational Stormwater Inspections	1009
Notices of Violation	11
Back Billing for Damages	\$ 0.00
Plans Reviewed for Pretreatment	1031

- **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, 2016 through December 31, 2016 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.
- The Commercial Inspections/FOG Section contributed an article entitled, "Fats, Oils, and Grease: Clearing the FOG" to the Fall 2016 issue of Freshly Baked News. This newsletter is distributed statewide by Arizona Department of Health Services to 5,501 home baker registrants.
- City of Phoenix posted the video, "Cease the Grease" on YouTube including the following message: "Phoenix Residents! There is no better way to celebrate the holidays than cooking and even frying turkey and all the traditional fixings. But what do you do with the leftover oil, fats and grease? Whatever you do, don't pour it down the drain! Pouring Fats, oils and grease (collectively known as FOG) down your sink could result in serious damage to residential plumbing and even municipal sewer systems. Instead, watch and learn how to properly dispose of FOG and how you can do your part to be Phoenix Water Smart! Learn more at: www.phoenix.gov/FOG."
- The Industrial Pretreatment Section and Commercial Inspections/FOG Section conduct educational outreach in conjunction with Stormwater Management and Water Conservation staff. Outreach activities focus on 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	Organizer	Date	Attendees
Tres Rios Nature & Earth Festival at Base Meridian Wildlife Area	Tres Rios Nature & Earth Festival	03/06/2016	4,000
Earth Day at Gateway Community College	Maricopa Community Colleges	04/21/2016	50 students
Earth Day Phoenix 2016 at Steele Indian School Park	Keep Phoenix Beautiful	04/23/2016	2,000
Roosevelt Water Festival at El Reposo Park	Arizona Project WET	11/16/2016	1,000 students

▪ **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 2016, class participation and materials were used at the following:

Industrial Outreach Events: Industrial Pretreatment Compliance Academy:			
Class Name	Place & Date	Attendee Types	No of Attendees
Wastewater Discharge Permit	Water Services Building January 27, 2016	<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 	49
Wastewater Compliance Sampling	Water Services Building March 30, 2016		48
Laboratory Analytical Issues	Water Services Building May 18, 2016		44
Enforcement	Water Services Building July 27, 2016		53
Pollution Prevention (P2)	Water Services Building September 28, 2016		48
Stormwater Compliance Overview	Water Services Building November 30, 2016		53

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.
- 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 discharge zero wastewater generated from those processes are issued Class B Zero Categorical Wastewater Discharge Permits. Industrial users that do not meet the definition of an SIU, but discharge high strength BOD/TSS wastewater, remediated groundwater, or pollutants of concern are issued Class B Wastewater Discharge Permits. Through the end of 2016, the Industrial Pretreatment Section inspected 53 Class B Permittees.

Class B ZERO Categorical Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
1.	Aero Spring & Manufacturing Co., Inc.	3335 East Wier Avenue	Metal Finishing PSNS
2.	American Aerospace Technical Castings, Inc.	2950 West Catalina Drive	Iron and Steel Manufacturing
3.	American Tube and Pipe	2528 North 27th Avenue	Metal Finishing PSES
4.	Arizona Hard Chrome, Inc.	2609 West Cypress Street	Metal Finishing
5.	Bergmann Precision, Inc. - Bergmann Group	3730 East Southern Avenue	Metal Finishing PSNS
6.	CMR Manufacturing, Inc.	2421 East Jackson Street	Metal Finishing PSNS
7.	Coating Technologies, Inc	21438 North 7th Avenue	Metal Finishing
8.	Collins Metal Finishing	3536 East Illini Street	Metal Finishing
9.	Controlled Thermal Technology, Inc.	2617 West Cypress Street	Metal Finishing
10.	D & R Home Decor LLC	2204 East Magnolia Street	Metal Finishing
11.	Diversified Metals, Inc.	9849 North 19th Drive, Suite 2	Metal Finishing
12.	Ducommun Technologies	1601 East Broadway Road	Metal Finishing
13.	Environmental Management Utility Services, LLC.	2132 South 5th Avenue	Centralized Waste Treatment Subpart B Oils
14.	Gannon & Scott Phoenix, Inc.	2113 East Sky Harbor Circle South	Centralized Waste Treatment Subpart A Metals
15.	GE Parallel Design, Inc. RECLASSIFIED CLASS B – 12/01/2016	4313 East Cotton Center Boulevard	Electrical Components
16.	Helio's Designer Hardware	2645 East Adams Street	Metal Finishing
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.	Noranco Jet Processing	2660 West Quail Avenue	Metal Finishing
21.	Ohlinger Industries, Inc.	1211 West Melinda Lane	Metal Finishing
22.	Osborn Products, Inc.	1127 West Melinda Way	Metal Finishing
23.	Papago Plating TERMINATED – 05/31/2016	2312 East Washington Street	Metal Finishing
24.	Perma-Finish, Inc.	74 North 45th Avenue	Metal Finishing
25.	Phoenix Metalcraft, Inc.	3845 North 29th Avenue	Metal Finishing
26.	Phoenix Tool & Gage, Inc.	2612 West Encanto Boulevard	Metal Finishing
27.	PMA Photometals of Arizona	3040 North 27th Avenue	Metal Finishing
28.	Precise Metal Products Company	4534 North 44th Avenue	Metal Finishing
29.	Precision Industrial Painting, Inc	1139 West Hilton Avenue	Metal Finishing
30.	Profile Precision Extrusion	7225 West Sherman Street	Aluminum Forming
31.	Purcell Tire Company	420 South 35th Avenue	Rubber Manufacturing
32.	R.B. Machine Company, Inc.	3729 West Buchanan Street	Metal Finishing
33.	Royal Sign Company, Inc.	2631 North 31st Avenue	Metal Finishing
34.	Southwest Powder Coating, Inc.	116 North 59th Avenue	Metal Finishing
35.	Southwest Refining Corporation	1205 West Hilton Avenue	Centralized Waste Treatment Subpart A Metals
36.	STP Performance Coating, LLC	1131 West Watkins Street	Metal Finishing
37.	Sun West Engineering, Inc.	3802 West Broadway Road	Metal Finishing
38.	Thermo Fluids, Inc.	4301 West Jefferson Street	Centralized Waste Treatment
39.	Total Seal Piston Rings, Inc.	22642 North 15th Avenue	Metal Finishing
40.	Troy Corporation Arizona	113 South 47th Avenue	Pesticides

Class B ZERO Categorical Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
41.	Veolia ES Technical Solutions, LLC	5736 West Jefferson Street	Centralized Waste Treatment Subparts A and B
42.	Verco Decking, Inc.	4340 North 42nd Avenue	Coil Coating

Class B Wastewater Discharge Permittees			
	Facility Name	Facility Address	Facility Type
1.	Automated Chemical Solutions, Inc. NEW PERMITTEE – 10/01/2016	3320 East Roeser Road	Soap Manufacturer Chemical Blending
2.	Elite Waste Services	2412 West Sherman Avenue	Hauled Waste or Septage
3.	Freescale Semiconductor, Inc. 52nd ST Superfund Site - OU 2	12 South 20th Street	Groundwater Remediation
4.	Kinder Morgan SFPP, L.P. Phoenix Terminal	49 North 53rd Avenue	Fuel Tank Storage
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 Waste or Septage
8.	Phillips 66 Company - Circle K Store № 02891	5146 East McDowell Road	Groundwater Remediation
9.	Swissport Fueling Services	4200 East Airline Drive	Hauled Waste or Septage
10.	Swissport Fueling, Inc.	Sky Harbor International Airport 3737 East Bonanza Way	Hauled Waste or Septage
11.	Waste Management Phoenix Hauling South	1580 East Elwood Street	Hauled Waste or Septage

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 water conferences and workshops as they are offered.

The entire division participates in internal training and safety briefs such as: Hazard Communication, Fire, Evacuation, and Job Safety; CERCLA and Handling Spills; Oil & Waste Handling; Lab Safety, Bloodborne Pathogens, and Personal Protective Equipment; Heat Stress; Security Threat Levels; Emergency Response Plan; Fire Prevention; Bomb Threats; Reporting Suspicious Incidents; Information Technology Security; Workplace Violence Prevention and Active Shooter; Eye Protection; Safe Driving Awareness; Temporary Traffic Control and Barricading; Ladders and Fall Protection; Hazardous Energy and Building Materials; First Aid, CPR, AED, and Bloodborne Pathogens Awareness; Clean Water Act Section 404 Basic Awareness; Ethics

▪ ***Arizona Introduction to Environmental Enforcement Training***

On February 23 through 25, 2016, staff attended the Arizona Introduction to Environmental Enforcement Training sponsored by Western States Project. This is a scenario-driven course that introduces regulatory inspectors and attorneys to administrative, civil, and criminal environmental enforcement options, strategies and processes from the initiation of an inspection to the conclusion of a case. Topics included: Environmental Enforcement Options, Access, Entry and Warrants, Elements and Evidence, Development of the Enforcement Team, Sampling, Basic Interviewing, Framing the Case, Inspection Techniques & Report Writing, Performance Measures and Enforcement Activities, Defense Attorney Perspective, Inspector as a Witness – Improving Deposition and Testimony Skills, and Media. See attached training flier.

▪ ***Navigating the World of FOG Training Workshop***

On April 6 through 8, 2016, staff attended the Navigating the World of FOG Training Workshop sponsored by AZ Water and Water Environment Federation. Topics included: chemistry and characteristics of FOG, interceptor and separation device design, case studies, enforcement strategies, kitchen best-management practices, inspection and monitoring, hauling and waste disposal, and innovative approaches for management. See attached training flier.

▪ ***The Interceptor Whisperer's Grease Interceptor Workshop***

On August 10, 2016, staff attended the Interceptor Whisperer's Grease Interceptor Workshop delivered by Ken Loucks is the Regulatory Compliance Manager for Schier Products Company and sponsored by AZ Water and Gateway Community College. This workshop will help answer questions such as: What are the different types of interceptors? How do they work? How are they treated in plumbing codes? What role do standards play? How should they be sized? How do you determine when they should be pumped out? How long do they last and why do they fail? See attached training flier.

▪ ***AZPES/APP Permit Field Method Testing Workshop***

On November 28, 2016, staff attended the AZPES/APP Permit Field Method Testing Workshop delivered by Arizona Department of Health Services in cooperation with ADEQ, Arizona Water Resources and Rural Water Association of Arizona. This training provided an overview, selected demonstrations (field and in the lab), and discussion of the six newly updated compliance methods (pH, temperature, dissolved oxygen, turbidity, specific conductivity and ultra-low level total residual

chlorine) that are required to be performed by facilities that have AZPDES, APP and Reuse Permits. See attached training flier.

- ***Workshop Participation and Presentation:***

Industrial Pretreatment Program staff presented, “Read Your Permit!” under the regulatory training track at the 2016 AZ Water Conference and Exhibition. The annual AZ Water Conference and Exhibition is a three-day conference designed to provide professional development, continuing education, and distribution of technical information regarding the enhancement of the Arizona’s drinking water, water reuse, and environmental resources.

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 2016. Multi-city coordination for purposes of encouraging compliance with federal requirements and consistency of implementation was accomplished through periodic 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 industrial users back into compliance. The City continued to conduct Show Cause Hearings and to collect monetary penalties from industrial users 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.

- ***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). Standard operating procedures (SOPs) have been developed for sampling and pretreatment program protocols and use of equipment. SOPs and controlled forms are reviewed and revised on an annual basis. Documented SOP training is provided followed by periodic demonstration of proficiency.

- ***Sampling to Support Investigation of 91st Avenue WWTP Interference***

All pretreatment program staff assisted with the special sampling event in December 2016 to analyze constituents that possibly caused an interference to the 91st Avenue Wastewater Treatment Plants biological treatment process. Interferences to the nitrification process were experienced on one (1) occasions resulting in elevated ammonia at the Tres Rios wetlands. The ammonia concentrations did not exceed the National Pollutant Discharge Elimination System (NPDES) permit limits at Outfall 005. The interference occurred on November 28, 2016 due to an unknown substance. Auto samplers were set-up at four (4) designated manholes upstream of the treatment plant to see if a determination could be made as to where the constituents were coming from. Discrete samples were analyzed for pesticides, metals, semi-volatile organic compounds, volatile organic compounds and fuels in order to isolate the cause of the interference.

City of Phoenix								
2016 Published Pretreatment Enforcement Actions								
Industrial User Name	SNC?	40 CFR	Violations	Show Cause Hearing Date	Penalty Collected	Newspaper Publication Fee	PSA/CD	
1 BioTech Research Labs, Inc.	No	439.47	3 pH Violations 2 Late Reporting Violations	04/04/2016	\$ 6,225	\$ 667.99	142752-0	
2 Mega Metals Unlimited, Inc.	Yes	421.306(m)	6 Titanium Violations	04/12/2016	\$ 34,520	\$ 744.60	143019-0	
3 Emergency Pumping and Plumbing LLC	No	Local Limits	3 City Code Violations Constituting Illegal Dumping or Discharge: PCC Section 27-10 PCC Section 28-7 PCC Section 32C-103(b)	05/20/2016	\$52,500	Not Published	Citation No 2405290	
4 AAMCO Transmission Total Car Care	No	Local Limits	2 City Code Violations Constituting Illegal Discharge: PCC Section 28-7 PCC Section 32C-103(b)	07/14/2016	\$ 5,000	\$ 667.99	14782-0	
5 Holsum Bakery, Inc.	No	Local Limits	6 pH Violations 3 Late Reporting Violations 4 Failure to Sample Violations	08/04/2016	\$ 6,941	\$ 639.54	143827-0	
6 Semiray – Special Process Division	No	433.17	4 Chromium Violations 1 Nickel Violation	08/09/2016	\$ 29,238	\$ 658.92	143930-0	
7 United General Bakery Inc. - Upper Crust Bakery	No	Local Limits	3 City Code Violations Constituting Illegal Discharge and Damage to Infrastructure: PCC Section 28-7 PCC Section 28-8(d) PCC Section 32C-103(b)	08/11/2016	\$ 12,500	\$ 658.92	144535-0	

2016 TOTAL \$ 146,924

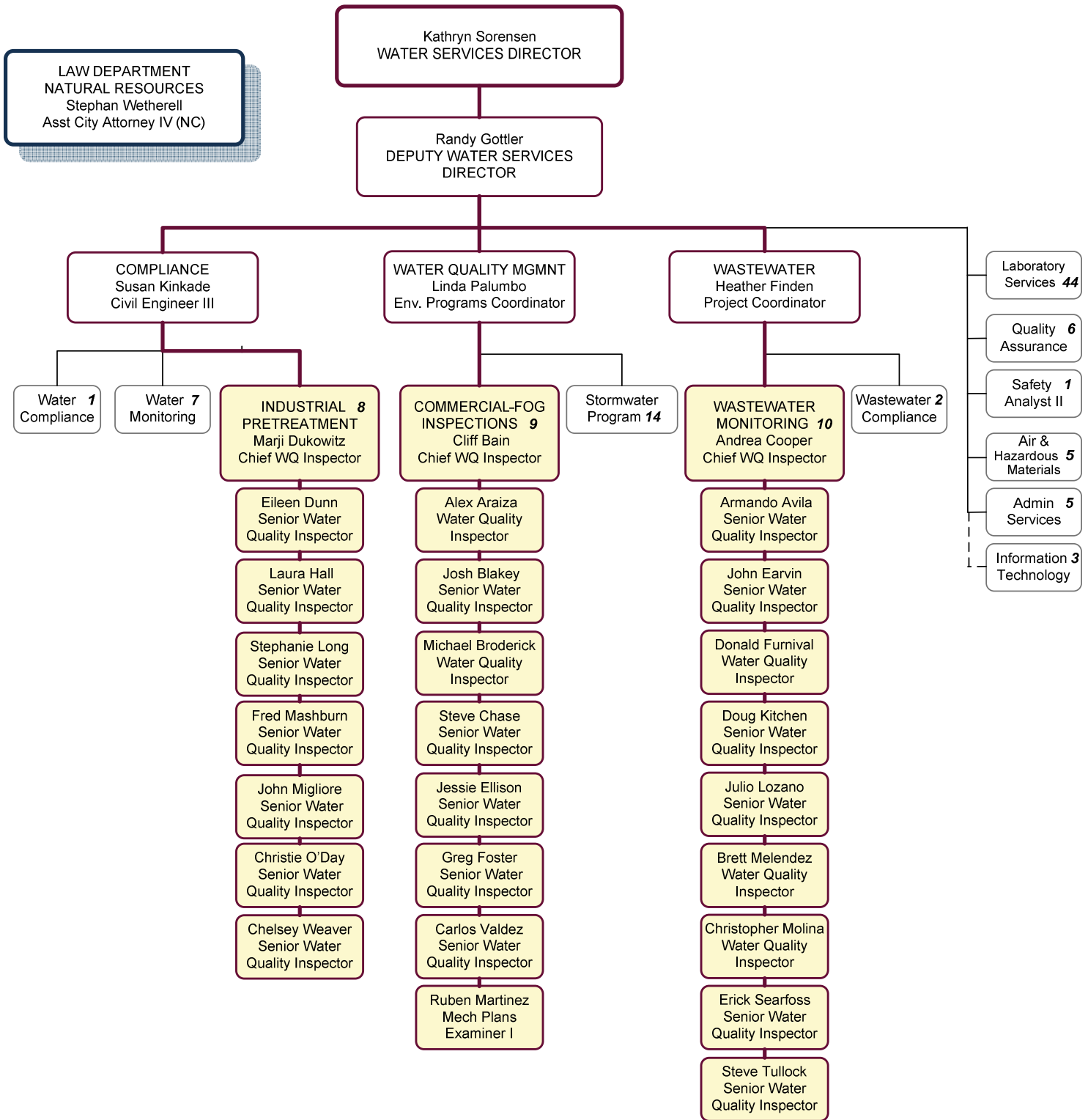
SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES		
January 1, 2016 – December 31, 2016 – Total Pretreatment Expenditures \$ 4,192,391		
PRETREATMENT PROGRAM EXPENDITURES		
Personnel		\$ 2,233,863
Operations & Maintenance		\$ 273,997
Laboratory		\$ 1,621,896
Equipment		\$ 36,965
Vehicles		\$ 25,670
PRETREATMENT PROGRAM EQUIPMENT INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
Photo Ionization Detector	0	1
Flow Meters	2	26
Auto Samplers	2 (+2 Discreet)	26
Turbidimeters	0	3
pH/DO/Conductivity Meters	1	5
Chlorine Colorimeters	0	3
Air Movers	0	4
Confined Space Harnesses	0	6
Air/Gas Detectors	2	8
Cameras	0	18
Night Vision Cameras	1	1
Pole Cameras	0	2
CCTV Sewer Camera	0	1
Computer Monitors	3	30
Computers	1	27
Printers	3	3
PRETREATMENT PROGRAM VEHICLE INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
Sampling Passenger Vans	0	1
Sampling 4WD Pickups	0	1
Inspector Pickups	1 ¹	7
Sampling Vans	0	4
Vehicle Pool Sedans	0	4 (Pool) ²
¹ One inspector pickup was acquired "on loan". ² Vehicle pool sedans which are used for inspections of industrial facilities are shared by all staff located on the 23rd Avenue WWTP.		

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</u>
Deputy Water Services Director	1.0 ³	1.0 ³
Civil Engineer III	0.5 ³	0.5 ³
Environmental Programs Coordinator	0.5 ³	0.5 ³
Assistant City Attorney IV	0.25 ³	0.25 ³
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	13.5	18.5
Water Quality Inspectors	9.0	5.0
Inspector Vacancies	1.0	1.0
Information Technology Application Programmer III	0.25 ³	0.25 ³
Information Technology Application Programmer I	0.5 ³	0.5 ³
Computer Operator	0.5 ³	0.5 ³
Secretary II	0.25 ³	0.25 ³

³ 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 12/31/2016**

	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	433.17
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 12/31/2016**

	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 TERMINATED 7330 West Sherman Street Phoenix, Arizona 85043-4751	91st Avenue	2096	City Code
21.	BioTech Research Labs, Inc. TERMINATED 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.	Cassavant Assembly & Processing, LLC. 3725 East Atlanta Avenue Phoenix, Arizona 85040-2960	91st Avenue	3471	433.17
25.	Celgene Corporation 620 North 51 st Avenue Phoenix, Arizona 85043-2702	91st Avenue	2834	439.47
26.	Certified Inspection Service Company, Inc. 21 South 41 st Street Phoenix, Arizona 85034	23rd Avenue	3479	433.17
27.	ChemResearch Co., Inc. 1130 West Hilton Avenue Phoenix, Arizona 85007-4306	23rd Avenue	3471	433.17
28.	Chromalloy Arizona 5161 West Polk Street Phoenix, Arizona 85043	91st Avenue	7699	433.17
29.	Cintas Corporation 5501 West Hadley Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
30.	CleanPart Southwest LLC 3844 East University Drive Phoenix, Arizona 85034-7221	91st Avenue	3479	433.17
31.	Crothall Laundry Services Inc.- The Commercial Linen Exchange 4445 South 36 th Street Phoenix, Arizona 85040	91st Avenue	7213	City Code
32.	Dignity Health –St. Joseph's Hospital & Medical Center 350 West Thomas Road Phoenix, Arizona 85013-4409	23rd Avenue	8062	City Code
33.	District Photo, Inc. 2500 East Chamber Street Phoenix, Arizona 85040-3639	91st Avenue	7384	City Code
34.	DS Services of America, Inc. 3302 West Earll Drive Phoenix, Arizona 85017	91st Avenue	2086	City Code
35.	Dunn-Edwards Corporation 520 South 67 th Avenue Phoenix, Arizona 85043-4432	91st Avenue	2851	City Code
36.	Entrepix, Inc. 4717 East Hilton Avenue Phoenix, Arizona 85034-6404	91st Avenue	3674	469.18

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
37.	FlipChip International, LLC 3701 East University Drive Phoenix, Arizona 85034	91st Avenue	3674	469.18
38.	FM Industries, Inc. Building "D" 2104 West Roosevelt Street Phoenix, Arizona 85009-3703	23rd Avenue	3471	433.17
39.	Futureweld Company, Inc. 3518 East Wood Street Phoenix, Arizona 85040	91st Avenue	3471	433.17
40.	G&K Services, Inc. 4804 West Roosevelt Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
41.	GE Parallel Design, Inc. RECLASSIFIED 4313 East Cotton Center Boulevard Phoenix, Arizona 85040	91st Avenue	3674	469.18
42.	Gregory Packaging, Inc. 439 South 55th Avenue Phoenix, Arizona 85043-4621	91st Avenue	2033	City Code
43.	Hadrian Inc. 3602 West Washington Street Phoenix, Arizona 85009-4767	91st Avenue	3471	433.17
44.	Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc. 401 South 36th Street Phoenix, Arizona 85034-2812	23rd Avenue	3599	433.17
45.	Heligear Acquisition Co.- Northstar Aerospace (Phoenix) 300 South 23rd Street Phoenix, Arizona 85034-2500	23rd Avenue	3599	433.17
46.	Holsum Bakery, Inc. 2322 West Lincoln Street Phoenix, Arizona 85009	23rd Avenue	2051	City Code
47.	Honeywell International Inc. Former Peoria Avenue Facility/EW-1 2305 West Mercer Lane Phoenix, Arizona 85051	91st Avenue	9999	City Code
48.	Honeywell International, Inc. Former Peoria Avenue Facility/MW-10 2251 West Sierra Street Phoenix, Arizona 85029	91st Avenue	9999	City Code
49.	Honeywell International, Inc. Honeywell Aerospace – Deer Valley 21111 North 19th Avenue Phoenix, Arizona 85027-2708	91st Avenue	3812	469.18
50.	Honeywell International, Inc. Honeywell Aerospace – Phoenix R&O 1944 East Sky Harbor Circle Northwest Phoenix, Arizona 85034-3442	23rd Avenue	3728	433.17
51.	Honeywell International, Inc. Honeywell Engines Product Center 111 South 34th Street Phoenix, Arizona 85034-2802	23rd Avenue	3471	433.17
52.	IASIS Heath Care - Saint Luke's Medical Center 1800 East Van Buren Street Phoenix, Arizona 85006-3742	23rd Avenue	8062	City Code

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
53.	John C. Lincoln Hospital -Deer Valley 19829 North 27 th Avenue Phoenix, Arizona 85027-4001	91st Avenue	8062	City Code
54.	John C. Lincoln Hospital -North Mountain 250 East Dunlap Avenue Phoenix, Arizona 85020-2825	23rd Avenue	8062	City Code
55.	Kerr West Plating, Inc. TERMINATED 4737 North 43rd Avenue – Suite # 3 Phoenix, Arizona 85031	91st Avenue	3695	433.17
56.	Liquid Environmental Solutions of Arizona, LLC 5159 West Van Buren Street Phoenix, Arizona 85043	91st Avenue	4953	437.46
57.	Maricopa Integrated Health System 2601 East Roosevelt Street Phoenix, Arizona 85008	23rd Avenue	8062	City Code
58.	Marlyn Nutraceuticals - Naturally Vitamins 4404 East Elwood Street Phoenix, Arizona 85040	91st Avenue	2834	439.47
59.	Mastel Linen, Inc. 2940 West Virginia Ave Phoenix, Arizona 85009-1607	23rd Avenue	7218	City Code
60.	Mayo Clinic Arizona – Mayo Clinic Hospital 5777 East Mayo Boulevard Phoenix, Arizona 85054-4502	91st Avenue	8062	City Code
61.	Mega Metals 1325 North 22nd Avenue Phoenix, Arizona 85009-3714	23rd Avenue	5093	421 .306(m)
62.	Metco Metal Finishing, LLC 3508 East Corona Avenue Phoenix, Arizona 85040-2842	91st Avenue	3471	433.17
63.	Milum Textile Services 333 North 7 th Avenue Phoenix, Arizona 85007-2533	23rd Avenue	7218	City Code
64.	Mission Linen Supply, Inc. 2652 South 16 th Street Phoenix, Arizona 85034	23rd Avenue	7213	City Code
65.	Modern Industries, Inc. 4755 East Beautiful Lane Phoenix, Arizona 85044	91st Avenue	3471	433.17
66.	MPP Group of Companies 230 South 49th Avenue Phoenix, Arizona 85043-3905	91st Avenue	3471	433.17
67.	Niagara Bottling, LLC 275 South 67th Avenue Phoenix, Arizona 85043	91st Avenue	2086	City Code
68.	NXP USA, Inc. (formerly Freescale Semiconductor Inc) 52nd ST Superfund Site OU 1 5005 East McDowell Road Phoenix, Arizona 85008	91st Avenue	9999	City Code
69.	One Camelback Inc. 1 East Camelback Road Phoenix, Arizona 85043-1668	23rd Avenue	9999	City Code
70.	PAS Technologies, Incorporated 1021 North 22 nd Avenue Phoenix, Arizona 85009	23rd Avenue	3471	433.17

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
71.	PepsiCo - Bottling Group, LLC 4242 East Raymond Street Phoenix, Arizona 85040	91st Avenue	2086	City Code
72.	Phoenix Children's Hospital 1919 East Thomas Road Phoenix, Arizona 85016	23rd Avenue	8062	City Code
73.	Phoenix Heat Treating, Inc. 2405 West Mohave Street Phoenix, Arizona 85009-6413	91st Avenue	3398	433.17
74.	Phoenix Indian Medical Center 4212 North 16 th Street Phoenix, Arizona 85016-5319	23rd Avenue	8062	City Code
75.	Phoenix Manufacturing, Inc. 3655 East Roeser Road Phoenix, Arizona 85040-3968	91st Avenue	3585	433.15
76.	Prudential Overall Supply 5102 West Roosevelt Street Phoenix, Arizona 85043	91st Avenue	7218	City Code
77.	Quantum Global Technologies, LLC 2101 West Roosevelt Street Phoenix, Arizona 85009	23rd Avenue	7699	433.17
78.	Quantum Global Technologies, LLC dba Quantum Clean 3925 East Watkins Street, Suite 100 Phoenix, Arizona 85034	91st Avenue	3479	433.17
79.	Rexam Beverage Can Company 211 North 51 st Avenue Phoenix, Arizona 85043-3704	91st Avenue	3411	465.45
80.	Safeway Phoenix Ice Cream Plant 2434 East Pecan Road Phoenix, Arizona 85040	91st Avenue	3674	City Code
81.	Sapa Extrusions North America – Extrusion Operation, Plant 1 249 South 51 st Avenue Phoenix Arizona 85043-3715	91st Avenue	3354	467.35
82.	Sapa Extrusions North America – Extrusion Operation, Plant 2 50 South 49 th Avenue Phoenix Arizona 85043-3825	91st Avenue	3354	467.35
83.	Sapa Extrusions North America – Remelt Operation 249 South 51 st Avenue Phoenix Arizona 85043-3715	91st Avenue	3354	467.35
84.	Sav-On Plating, Inc. 17 West Watkins Street Phoenix, Arizona 85003-2824	23rd Avenue	3471	433.17
85.	Semi Ray Inspection Services, Inc. Semiray Special Process Division 3027 East Washington Street Phoenix, Arizona 85034-1517	23rd Avenue	3764	433.17
86.	Shamrock Foods Company – Dairy Division 2228 North Black Canyon Highway Phoenix, Arizona 85009-2707	23rd Avenue	2026	City Code
87.	Shearer's Foods, LLC – Barrel 0' Fun Snack Foods Southwest 7330 West Sherman Street Phoenix, Arizona 85043-4751	91st Avenue	2096	City Code

**CITY OF PHOENIX
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016**

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
88.	Signetix, Inc. 2611 South 7 th Street, Suite 101 Phoenix, Arizona 85034-6523	91st Avenue	3479	433.17
89.	SkyChefs-Inc. – LSG SkyChefs 1451 South 23 rd Street Phoenix, Arizona 85034	23rd Avenue	5812	City Code
90.	Specialty Textile Services 720 West Buchanan Street Phoenix, Arizona 85007-3405	23rd Avenue	7218	City Code
91.	SUMCO Southwest Corporation 19801 North Tatum Boulevard Phoenix, Arizona 85050-4201	91st Avenue	3674	469.28
92.	Sumika Electronic Materials 3832 East Watkins Street Phoenix, Arizona 85034	91st Avenue	3674	469.18
93.	The Proctor & Gamble Company 2050 South 35 th Avenue Phoenix, Arizona 85009	91st Avenue	2834	439.46
94.	UniFirst Corporation 104 North 14 th Street Phoenix, Arizona 85034-1114	23rd Avenue	7218	City Code
95.	Valkyrie Industries, Inc. 6033 West Sherman Street Phoenix, Arizona 85043	91st Avenue	3471	433.17
96.	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 2016:

Cassavant Assembly & Processing, LLC.
3725 East Atlanta Avenue
Phoenix, Arizona 85040-2960

Dunn-Edwards Corporation
520 South 67th Avenue
Phoenix, Arizona 85043-4432

Gregory Packaging, Inc.
439 South 55th Avenue
Phoenix, Arizona 85043-4621

Hadrian Inc.
3602 West Washington Street
Phoenix, Arizona 85009-4767

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

Arizona Fueling Facilities Corporation
4000 East Sky Harbor Boulevard
Phoenix, Arizona 85034

BioTech Research Labs, Inc.
3809 East Watkins Street
Phoenix, Arizona 85034

Kerr West Plating, Inc.
4737 North 43rd Avenue – Suite # 3
Phoenix, Arizona 85031

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

GE Parallel Design, Inc.
4313 East Cotton Center Boulevard
Phoenix, Arizona 85040

RECLASSIFIED FROM CLASS A CIU TO CLASS B
ZERO CATEGORICAL DISCHARGE

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 2016:

Barrel 0' Fun Snack Foods Southwest
7330 West Sherman Street
Phoenix, Arizona 85043-4751

IS NOW

Shearer's Foods, LLC –
Barrel 0' Fun Snack Foods Southwest
7330 West Sherman Street
Phoenix, Arizona 85043-4751

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, 2016			Categorical IUs: 13		Significant Non-Categorical IUs: 17		
II. Significant Industrial User Compliance							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	No. of SIUs in Full Compliance	7	53.8	12	70.6	19	63.3
2.	No. of SIUs in Inconsistent Compliance	6	46.2	5	29.4	11	36.7
3.	No. of SIUs in Significant Noncompliance	0	0	0	0	0	0
4.	No. of Parameter Violations	9		7		16	
5.	No. of Reporting Violations	1		3		4	
6.	No. of Permit Condition Violations	9		3		12	
III. Compliance Monitoring Program							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	No. of Control Documents Issued	13		17		30	
2.	No. of Nonsampling Inspections Conducted	15		17		32	
3.	No. of Facilities Inspected (Nonsampling)	13		17		30	
4.	No. of Sampling Visits Conducted	99		163		262	
5.	No. of Facilities Sampled	13		17		30	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
		No	%	No	%	No	%
1.	Notices of Violations Issued to SIUs	9		13		22	
2.	Temporary Increase in IU Self Monitoring	5		5		10	
3.	Administrative Orders Issued to SIUs	0		0		0	
4.	Compliance Schedules Issued	0		1		1	
5.	Settlement Agreements	2		1		3	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 63,758 / \$ 63,758		\$ 6,941 / \$ 6,941		\$ 70,699 / \$ 70,699	

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, 2016		Categorical IUs: 45		Significant Non-Categorical IUs: 51		
II. Significant Industrial User Compliance						
	Categorical		Non-categorical		Total SIUs	
	No	%	No	%	No	%
1. No. of SIUs in Full Compliance	25	55.6	33	64.7	96	60.4
2. No. of SIUs in Inconsistent Compliance	20	44.4	17	33.3	37	38.5
3. No. of SIUs in Significant Noncompliance	0	0	1	2.0	1	1.1
4. No. of Parameter Violations	23		33		56	
5. No. of Reporting Violations	7		16		23	
6. No. of Permit Condition Violations	42		21		63	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
1. No. of Control Documents Issued	45		51		96	
2. No. of Nonsampling Inspections Conducted	46		50		95	
3. No. of Facilities Inspected (Nonsampling)	45		50		95	
4. No. of Sampling Visits Conducted	362		469		831	
5. No. of Facilities Sampled	43		49		92	
IV. Enforcement Actions						
	Categorical		Non-categorical		Total SIUs	
1. Notices of Violations Issued to SIUs	24		42		66	
2. Temporary Increase in IU Self Monitoring	10		9		19	
3. Administrative Orders Issued to SIUs	0		0		0	
4. Compliance Schedules Issued	0		1		1	
5. Settlement Agreements	3		1		1	
6. Other Actions	0		0		0	
7. Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 69,983 / \$ 69,983		\$ 6,941 / \$ 6,941		\$ 76,924 / \$ 76,924	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: A-1 Restaurant Services

173

Process Flow: 24,947 (GPD) Average

General Information and type of wastewater treatment	<p>This facility treats and de-waters septic and grease trap waste from its own pumping trucks using prescreening, pH adjustment, DAF, and belt press.</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 PHOENIX
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

174

NAME: AAA Ajax Pumping Service, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2433 South 7 th Avenue, Phoenix, Arizona 85007-4302		MAILING ADDRESS: P.O. Box 5782, Glendale Arizona 85312-5782		
CATEGORICAL USER?	No	40 CFR	Local Limits	LIMITS APPENDIX: A
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 09/01/2016		BMR SUBMITTED: 12/07/1998
SAMPLING LOCATION VERIFIED ON: 11/15/2016		RCRA NOTICE: 12/07/1998		
SLUG CONTROL PLAN EVALUATION DATE: 10/25/2016				
	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	0	1
Number of City Sampling Days	0	0	0	4
Number of IU Sampling Days	0	0	0	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	1	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	04/27/2016	07/28/2016	10/25/2016	01/27/2017

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	02/25/2016	N/A	N/A	N/A	Failure to Sample weekly pH		
			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: AAA Ajax Pumping Service, Inc.

175

Process Flow: 25,646 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	<p>On 03/11/2016 an NOV was issued for failure to sample for pH, City staff was made aware of the violation on 02/25/2016, the I.U. completed pH monitoring on 03/23/2016. All requirements of the NOV were met.</p>
Second Quarter	
Third Quarter	<p>Permit 1609-5405 which became effective on 09/01/2016 was revised to include prohibitions for the discharge of hauled oily wastes which are temporarily accumulated and stored onsite before hauling bulk quantities to landfill.</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 Central Campus (Phoenix Baptist Hospital)

177

Process Flow: 33,823 (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>SNC notification for 38 days late reporting of Water Balance Data Form during second quarter of 2015 was issued on 02/16/2016. A Show Cause Hearing for 2015 violations and applicable Civil Penalties are pending.</p> <p>The IU was published in the Arizona Republic newspaper on 03/15/2016 for SNC late reporting greater than 30-days during the second quarter of 2015.</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: Abrazo Maryvale Campus
 Process Flow: 33,634 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	
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: Abrazo Scottsdale Campus		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 3929 East Bell Road Phoenix Arizona 85032-2112		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: 07/01/2015	PERMIT EXPIRES: 07/31/2016	
SAMPLING LOCATION VERIFIED ON: 12/05/2016		RCRA NOTICE: 12/28/2002		
SLUG CONTROL PLAN EVALUATION DATE: 12/05/2016				
	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	0	1
Number of City Sampling Days	3	0	3	0
Number of IU Sampling Days	2	1	0	2
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	2	0
Compliance Status	C	C	I	C
Evaluated as of:	04/22/2016	07/25/2016	10/26/2016	01/23/2017

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	Permit Condition	11/14/2016	N/A	N/A	N/A	Failure to Sample Cu & Pb		
			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: Abrazo Scottsdale Campus

181

Process Flow: 71,303 (GPD) Average

General Information and type of wastewater treatment	<p>The facility is a community hospital.</p> <p>Pretreatment consists of a 3,000-gallon three compartment grease interceptor for the kitchen and implementation of BMPs in key areas of the hospital.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 11/14/2016 an NOV was issued for failure to collect third quarter self-monitoring Copper and Lead samples. All requirements of the NOV were met.</p>
Fourth Quarter	

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

Penalties this reporting Year: Assessed Collected

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Allied Tube & Conduit Corporation

Process Flow: 1,346 (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. 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	<p>Permit 0811-5378 was administratively continued due to appeal and revocation of Permit 1404-5378 which included category reclassification from Metal Finishing to Iron and Steel Manufacturing. Permit 1702-5378 was renewed and issued on 01/18/2017 and became effective on 02/01/2017. Permit 1702-5378 includes category reclassification from Metal Finishing to Iron and Steel Manufacturing.</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: AlSCO Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 4707 West Camelback Road Phoenix, Arizona 85031		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 11/29/2010	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 05/01/2016	PERMIT EXPIRES: 04/30/2021	
SAMPLING LOCATION VERIFIED ON: 05/06/2016		RCRA NOTICE: 12/10/2010		
SLUG CONTROL PLAN EVALUATION DATE: 05/06/2016				
	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	1	1	0	1
Number of City Sampling Days	4	3	3	3
Number of IU Sampling Days	6	4	3	4
Number of Parameter Violations	1	3	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	I	I	C	I
Evaluated as of:	04/27/2016	08/01/2016	11/10/2016	01/31/2017

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	Parameter	01/06/2016	Grab	City	IU	pH	10.72/ 10.5 SU	Continuous
2 nd	Parameter	06/03/2016	Grab	City	IU	pH	11.41/ 10.5 SU	Continuous
2 nd	Parameter	06/07/2016	Grab	City	IU	pH	11.41/ 10.5 SU	Continuous
2 nd	Parameter	06/08/2016	Grab	City	IU	pH	11.41/ 10.5 SU	Continuous
4 th	Parameter	10/03/2016	Grab	City	IU	pH	10.58/ 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			A(2)	A	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: AlSCO Inc
 Process Flow: 75,227 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	
	<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 was performed to meet the requirement. Completion of the NOV requirements is pending.</p> <p>On 01/06/2016 the City became aware of a pH exceedance that occurred on 01/06/2016. An NOV was issued on 02/02/2016. Additional sampling was not required because AlSCO performs continuous monitoring. Completion of the NOV requirements were met.</p>
Second Quarter	
	<p>Permit 1605-27301 was renewed and issued on 04/08/2016 and became effective on 05/01/2016.</p> <p>On 06/03/2016 the City became aware of a pH exceedance that occurred on 06/03/2016. On 06/07/2016 the City became aware of a pH exceedance that occurred on 06/07/2016. On 06/08/2016 the City became aware of a pH exceedance that occurred on 06/08/2016. An NOV for all three exceedances was issued on 06/17/2016. Additional sampling was not required because AlSCO performs continuous monitoring. Completion of the NOV requirements were met.</p>
Third Quarter	
Fourth Quarter	
	<p>On 10/03/2016 the City became aware of a pH exceedance that occurred on 10/03/2016. An NOV was issued on 10/12/2016. Additional sampling was not required because AlSCO performs continuous monitoring. Completion of the NOV requirements were met.</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**

186

NAME: AmeriPride Services, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 6025 West Van Buren Street Phoenix, Arizona 85053-3509		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: 07/01/2013	PERMIT EXPIRES: 06/30/2018	
SAMPLING LOCATION VERIFIED ON: 07/08/2016		RCRA NOTICE: 06/30/1998		
SLUG CONTROL PLAN EVALUATION DATE: 07/08/2016				
	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	0
Number of City Sampling Days	4	2	6	1
Number of IU Sampling Days	1	1	2	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	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	04/25/2016	07/21/2016	10/27/2016	01/31/2017

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	Permit Condition	01/31/2016	N/A	N/A	IU	Failure to Monitor Flows		
			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: AmeriPride Services, Inc.
 Process Flow: 84,744 (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	On 02/26/2016 the City became aware of a permit condition violation for failure to monitor flows during January 2016 and an NOV was issued on 03/21/2016. The NOV requirements 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

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

NAME: Angelica Corporation		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 4410 West Mohave Street		MAILING ADDRESS: Same		
CATEGORICAL USER?	No	40 CFR	Local Limits	LIMITS APPENDIX: A
TTO CERTIFICATION DATE SUBMITTED: NA		PERMIT EFFECTIVE: 10/01/2013		PERMIT EXPIRES: 07/31/2018
SAMPLING LOCATION VERIFIED ON: 08/23/2016		RCRA NOTICE: 02/10/2010		
SLUG CONTROL PLAN EVALUATION DATE: 08/23/2016				
	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	0
Number of City Sampling Days	3	6	6	3
Number of IU Sampling Days	3	3	3	3
Number of Parameter Violations	0	0	1	0
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	4	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	I	C
Evaluated as of:	04/15/2016	07/18/2016	10/24/2016	02/01/2017

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	Parameter	07/05/2016	Grab	City	IU	pH	11.13/ 10.5 SU	30
3 rd	Reporting	07/10/2016	N/A	N/A	N/A	TISM Report 9-Days late		
3 rd	Reporting	07/11/2016	N/A	N/A	N/A	TISM Report 8-Days late		
3 rd	Reporting	07/12/2016	N/A	N/A	N/A	TISM Report 7-Days late		
3 rd	Reporting	07/13/2016	N/A	N/A	N/A	TISM Report 6-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	N	A(2), 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: Angelica Corporation
 Process Flow: 105,648 (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	<p>On 07/06/2016 the City became aware of a pH exceedance that occurred on 07/05/2016. An NOV was issued on 07/06/2016. A TISM for pH monitoring was issued on 07/06/2016. Requirements of the NOV have been met.</p> <p>On 07/13/2016 the City became aware of reporting violations due to four late TISM reports for pH. An NOV was issued on 08/02/2016. Requirements of the NOV have been met.</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: APS West Phoenix Power Plant

Process Flow: 112,757 (GPD) Average

General Information and type of wastewater treatment	<p>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.</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: Aramark Uniform and Career Apparel, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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 09/30/2016	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 10/01/2011	PERMIT EXPIRES: AC		
SAMPLING LOCATION VERIFIED ON: 09/14/2016	RCRA NOTICE: 02/28/1990			
SLUG CONTROL PLAN EVALUATION DATE: 09/14/2016				
	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	0
Number of City Sampling Days	4	2	4	3
Number of IU Sampling Days	3	3	3	3
Number of Parameter Violations	0	1	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:	04/28/2016	07/28/2016	10/28/2016	01/27/2017

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	Parameter	04/13/2016	Grab	City	City	pH	3.0/5.0 S.U.	36
3 rd	Parameter	09/28/2016	Grab	City	City	pH	10.8/10.5 S.U.	40
			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	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: Aramark Uniform and Career Apparel, Inc.

Process Flow: 98,709 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	On 04/13/2016 the City became aware of a daily pH exceedance during City monitoring. A Field NOV was issued on 04/13/2016. The IU met all requirements of the NOV.
Third Quarter	On 09/28/2016 the City became aware of a daily pH exceedance during City monitoring. A Field NOV was issued on 09/28/2016 and a TISM was issued on 09/30/2016. The IU met all requirements of the NOV and TISM.
Fourth Quarter	Permit 1110-2180 was administratively continued.

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: Arizona Foods Group, Inc.			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 2517 East Chambers Street Phoenix, Arizona 85040-3640		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: 05/01/2013		PERMIT EXPIRES: 09/30/2016 AC
SAMPLING LOCATION VERIFIED ON: 05/10/2016		RCRA NOTICE 02/07/2014		
SLUG CONTROL PLAN EVALUATION DATE: 05/10/2016				
	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	1	0	0
Number of City Sampling Days	3	0	2	2
Number of IU Sampling Days	1	1	1	1
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:	04/20/2016	07/28/2016	10/19/2016	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
3 rd	Parameter	07/07/2016	Instantaneous Grab	City	City	pH	10.57/10.5	20
			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: Arizona Foods Group, Inc.
 Process Flow: 33,267 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 07/07/2016 a Field NOV issued for pH violation at 10.57 exceedance of Permit Limit 10.5, Staff issued a TISM on 07/08/2016. The I.U. met all requirements.</p>
Fourth Quarter	<p>Permit 1305-5325 was administratively continued. Permit 1701-5325 was issued and renewed on 01/09/2017 and became effective on 01/16/2017.</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 Fueling Facility Corporation

197

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. 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.</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 seven years, no City or IU sampling has been performed in that time.</p>
First Quarter	<p>Zero wastewater was discharged during this quarter.</p> <p>On March 30, 2016, AFFC requested termination of the Class A Wastewater Discharge permit No. 1104-20503.</p>
Second Quarter	<p>Zero wastewater was discharged during this quarter.</p>
Third Quarter	<p>Zero wastewater was discharged during this quarter.</p> <p>Permit 1104-20503 was officially terminated on 08/31/2016.</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: Arizona Precision Sheet Metal, Inc. dba APSM Systems		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2140 West Pinnacle Peak Road Phoenix, Arizona 85027-1200		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 07/29/1994	
TTO CERTIFICATION DATE SUBMITTED: 01/09/2017	PERMIT EFFECTIVE: 07/01/2016	PERMIT EXPIRES: 06/30/2021		
SAMPLING LOCATION VERIFIED ON: 06/28/2016	RCRA NOTICE: 09/16/1994			
SLUG CONTROL PLAN EVALUATION DATE: 06/28/2016				
	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	1	0	0
Number of City Sampling Days	4	0	2	4
Number of IU Sampling Days	3	3	0	2
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	5	0
Compliance Status	C	C	I	C
Evaluated as of:	04/11/2016	07/06/2016	10/07/2016	01/17/2017

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 Condition	09/30/2016	N/A	N/A	N/A	Failure to Sample Cd, Cr, Cu, Pb, Zn		
			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: Arizona Precision Sheet Metal, Inc.
(dba APSM Systems)

Process Flow: 2,753 (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>On 11/15/2016, the City became aware of a Permit Condition violation. The IU failed to sample; Cadmium Cd, Chromium Cr, Copper Cu, Lead Pb and Zinc Zn, Quarterly as required by Permit as discovered on 09/30/2016. An NOV was issued on 11/22/2016. Requirements of the NOV have been met on 12/15/2016.</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

201

Process Flow: 80,479 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p> <p>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.</p>
First Quarter	
Second Quarter	<p>Permit 1105-20489 was administratively continued.</p>
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: Avanti Circuits, Inc.

203

Process Flow: 19,444 (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	<p>On 02/10/2016, the City became aware of four Permit Condition violations that occurred during 2015. The IU failed to sample pH weekly as required during the months of 01/2015, 05/2015, 08/2015, and 10/2015. A Notice of Violation (NOV) was issued on 02/12/2016. All NOV 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: Baker Commodities, Inc. (Elwood)

Process Flow: 103,491 (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	
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**

206

NAME: Banner Estrella Medical Center			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 9201 West Thomas Road Phoenix Arizona 85035-6918		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 07/02/2004	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 02/01/2016	PERMIT EXPIRES: 01/31/2021	
SAMPLING LOCATION VERIFIED ON: 10/21/2016		RCRA NOTICE: 01/05/2005		
SLUG CONTROL PLAN EVALUATION DATE: 04/05/2016				
	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	0	1
Number of City Sampling Days	4	0	0	4
Number of IU Sampling Days	2	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	0	0	0
Compliance Status	I	C	C	C
Evaluated as of:	04/14/2016	07/14/2016	10/21/2016	02/02/2017

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	02/07/2016	N/A	N/A	N/A	Failure to Sample first weekly pH		
			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: Banner Estrella Medical Center

207

Process Flow: 92,711 (GPD) Average

General Information and type of wastewater treatment	<p>This facility conducts normal hospital operations. Wastewater treatment consists of stream segregation and physical separation.</p>
First Quarter	<p>On 03/29/2016 an NOV was issued for failure to sample pH during the first week of February 2016. The City became aware of the violation on 03/23/2016 when the hard copy Self-Monitoring Report was submitted. 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Banner Good Samaritan Medical Center

209

Process Flow: 213,835 (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>The wastewater treatment consists of wastestream segregation and physical separation.</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

ENFORCEMENT SUMMARY AND COMMENTS

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

211

Process Flow: 174,316 (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>IU was published in the newspaper on 03/15/2016 for 1st Quarter 2015 SNC – report(s) 30 or more days late.</p>
Second Quarter	<p>On 04/29/2016 the City became aware that Barrel O' Fun Snack Foods Southwest had been purchased by Shearer's Foods LLC on 11/23/2015. On 05/13/2016 Shearer's Foods LLC was issued a NOV for failure to obtain a permit. Requirements of the NOV were met. Three (3) Effluent violations occurred during the second quarter of 2016. NOVs were not issued to Barrel O' Fun Snack Foods Southwest, Inc., but were issued to the new owner, Shearer's Foods, LLC – Barrel O' Fun Snack Foods Southwest, Inc. as a non-permitted IU.</p>
Third Quarter	<p>Permit 1510-26112 for Barrel O' Fun Snack Foods Southwest, Inc. was terminated on 06/30/2016 and Permit 1607-33399 for Shearer's Foods, LLC - Barrel O' Fun Snack Foods Southwest became effective on 07/01/2016.</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: BioTech Research Labs, Inc.

213

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	<p>A daily pH exceedance occurred on 10/16/2015 and a Notice of Violation (NOV) was issued on 02/05/2016. The IU ceased production on 01/31/2016 and the lease on the facility terminated on 03/1/2016. Permit 1212-22483 was terminated on 03/07/2016.</p>
Second Quarter	<p>A Show Cause Hearing was held on 04/04/2016 to settle 2015 pH and late reporting violations. A Pretreatment Settlement Agreement was reached which included assessment of \$6,225.00 in Civil Penalties.</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 **\$ 6,225.00** Collected **\$ 6,225.00**

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Café Valley Bakery, Inc.

215

Process Flow: 38,866 (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	
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: Carl T. Hayden Medical Center

217

Process Flow: 166,501 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 01/05/2016, a Notice of Violation (NOV) was issued for failure to monitor flows, three permit condition violations, that occurred on 08/31/2015, 09/30/2015, and 10/31/2015. The City became aware of the violations for each of the three compliance sampling points on 09/24/2015. NOV requirements were met.</p> <p>On 01/05/2016, a Notice of Violation (NOV) was issued for three reporting violations that occurred on 09/28/2015, 10/28/2015, and 11/28/2015. The City became aware of the violations for calculating and reporting flow weighted average (FWA) results beginning on 09/24/2015. NOV requirements were met.</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. A Compliance Schedule was issued as a result of the Compliance Review Meeting discussion.</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**

218

NAME: Cassavant Assembly & Processing, LLC.			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 3725 East Atlanta Avenue Phoenix, Arizona 85040-2960		MAILING ADDRESS: Same		
CATEGORICAL USER? YES	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 10/26/2016	
TTO CERTIFICATION DATE SUBMITTED: 01/24/2017	PERMIT EFFECTIVE: 10/01/2016	PERMIT EXPIRES: 09/30/2021		
SAMPLING LOCATION VERIFIED ON: 10/26/2016	RCRA NOTICE: 09/23/2016			
SLUG CONTROL PLAN EVALUATION DATE: 10/26/2016				
	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				1
Number of City Sampling Days				2
Number of IU Sampling Days				6
Number of Parameter Violations				0
Number of Inspection Violations				0
Number of Reporting Violations				0
Number of Permit Cond. Violations				3
Compliance Status				I
Evaluated as of:				02/08/2017

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	12/31/2016	N/A	City	IU	Failure to Sample 4 th Qtr As, Mo, Se		
			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		

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: Cassavant Assembly & Processing, LLC.

219

Process Flow: 3,056 GPD (Average)

General Information and type of wastewater treatment	<p>The metal finishing facility conducts passivation, anodizing, non-destructive testing, painting and coating operations. Wastewater treatment consists of wastestream segregation, ion exchange, adsorption and chemical reduction as well as pH adjustment.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 01/26/2017 the City became aware that the IU failed to collect semi-annual Arsenic, Molybdenum, and Selenium samples for the period ending 12/31/2016. A Notice of Violation was issued on 02/10/2017. Completion of corrective actions are 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: Celgene Corporation

221

Process Flow: 47,394 (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 compliance sampling points. 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 continued (AC). The permit is currently being reviewed and will be renewed during the first quarter of 2017.</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: Certified Inspection Service Company Inc.

223

Process Flow: 2579 (GPD) Average

General Information and type of wastewater treatment	<p>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.</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: ChemResearch Co., Inc.

225

Process Flow: 61,414 (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

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

226

NAME: Chromalloy Arizona		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 5161 West Polk Street Phoenix Arizona 85043-2720		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 04/30/1990	
TTO CERTIFICATION DATE SUBMITTED: 10/13/2016	PERMIT EFFECTIVE: 03/01/2014	PERMIT EXPIRES: 12/31/2018		
SAMPLING LOCATION VERIFIED ON: 10/13/2016	RCRA NOTICE: 06/22/1990			
SLUG CONTROL PLAN EVALUATION DATE: 10/13/2016				
	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	0	1
Number of City Sampling Days	3	2	0	7
Number of IU Sampling Days	1	1	1	1
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	1
Compliance Status	C	C	C	I
Evaluated as of:	04/13/2016	07/07/2016	10/07/2016	01/09/2017

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	12/07/2016	Composite	City	City	Copper	1.59 / 1.5 mg/L	
4th	Permit Condition	12/25/2016	N/A	N/A	N/A	Failure to Sample Weekly pH		
			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: Chromalloy Arizona

227

Process Flow: 2,208 (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	<p>On 01/24/2017 the City became aware of a Copper exceedance which occurred on 12/07/2016 of 1.59 mg/L. On 01/25/2017 an NOV was issued, with a TISM to the IU. The requirements of the enforcement are still pending.</p> <p>On 01/09/2017 the City became aware of Permit Condition violations for December 2016 and January 2017, failure to sample pH for the week ending 12/25/2016 and the week ending 01/01/2017. On 02/01/2017 an NOV was issued. The requirements of the enforcement are still pending.</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: Cintas Corporation

229

Process Flow: 51,935 (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: 1,407 (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**

ENFORCEMENT SUMMARY AND COMMENTS

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

233

Process Flow: 160,318 (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	
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: Dignity Health - St. Joseph's Hospital & Medical Center

235

Process Flow: 85,742 (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 gravity separation of kitchen wastes and BMPs in various locations throughout the hospital.</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: District Photo, Inc.

237

Process Flow: 9,451 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	
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: DS Services of America, Inc.

239

Process Flow: 160,821 (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	
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**

240

NAME: Dunn-Edwards Corporation		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 520 South 67 th Avenue Phoenix, Arizona 85043-4432		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 09/18/2015	
TTO CERTIFICATION DATE SUBMITTED: NA		PERMIT EFFECTIVE: 05/01/2016	PERMIT EXPIRES: 04/30/2021	
SAMPLING LOCATION VERIFIED ON: 10/13/2016		RCRA NOTICE: 04/26/2016		
SLUG CONTROL PLAN EVALUATION DATE: 10/13/2016				
	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
Number of City Sampling Days		3	3	2
Number of IU Sampling Days		1	3	3
Number of Parameter Violations		0	0	0
Number of Inspection Violations		0	0	0
Number of Reporting Violations		0	0	1
Number of Permit Cond. Violations		0	0	0
Compliance Status		C	C	I
Evaluated as of:		07/28/2016	10/28/2016	01/25/2017

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	Reporting	12/29/2016	N/A	N/A	N/A	SMR 6-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	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: Dunn-Edwards Corporation
 Process Flow: 3,130 GPD (Average)

General Information and type of wastewater treatment	<p>Dunn-Edwards Corporation (Dunn-Edwards) is a paint manufacturing and distribution facility. Dunn-Edwards manufactures high quality water based latex architectural coatings. The operation consists of a batch and filling process. The manufacturing processes which generate wastewater or have the potential to generate wastewater are from the paint making letdown tank cleaning and from the paint filling manifold/pop tank cleaning. The facility currently produces about 70,000 gallons of paint per day.</p>
First Quarter	
Second Quarter	<p>Initial Permit 1605-33198 was issued to this facility and became effective 05/01/2016.</p>
Third Quarter	
Fourth Quarter	<p>On 01/03/2016 the City became aware of a late reporting violation. The November 2016 Self-Monitoring Report (SMR) was due on 12/28/2016 and was received on 01/03/2017, six days late. An NOV was issued on 01/04/2017. All requirements were met.</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: Entrepix, Inc.

243

Process Flow: 7,489 (GPD) Average

General Information and type of wastewater treatment	<p>This facility performs chemical mechanical polishing, Semiconductor Equipment Zubeloer (SEZ) wet planning operations and related wafer polishing operations. Pretreatment consists of pH neutralization and micro filtration. IU opts to sample TTOs quarterly.</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**

244

NAME: FlipChip International, LLC				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 3701 East University Drive Phoenix, Arizona 85034-8225				MAILING ADDRESS: Same			
CATEGORICAL USER? Yes		40 CFR 469.18		LIMITS APPENDIX: F		BMR SUBMITTED: 10/09/1996	
TTO CERTIFICATION DATE SUBMITTED: 01/17/2017		PERMIT EFFECTIVE: 07/01/2013		PERMIT EXPIRES: 06/30/2018			
SAMPLING LOCATION VERIFIED ON: 09/08/2016		RCRA NOTICE: 10/11/2001					
SLUG CONTROL PLAN EVALUATION DATE: 09/08/2016							
	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		0
Number of City Sampling Days	3		3		6		0
Number of IU Sampling Days	3		3		3		3
Number of Parameter Violations	0		0		5		0
Number of Inspection Violations	0		0		0		0
Number of Reporting Violations	0		0		4		0
Number of Permit Cond. Violations	0		0		0		0
Compliance Status	C		C		I		C
Evaluated as of:	04/26/2016		07/12/2016		10/24/2016		01/13/2017

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	Parameter	08/10/2016	Instantaneous Grab	City	IU	pH	2.66 / 5.0 9-minutes	Continuous
3rd	Parameter	08/26/2016	Instantaneous Grab	City	IU	pH	3.15 / 5.0 4-minutes	Continuous
3rd	Parameter	08/29/2016	Instantaneous Grab	City	IU	pH	4.31 / 5.0 1.5 minutes	Continuous
3rd	Parameter	09/02/2016	Instantaneous Grab	City	IU	pH	3.50 / 5.0 < 1 minute	Continuous
3rd	Parameter	09/06/2016	Instantaneous Grab	City	IU	pH	4.57 / 5.0 1.5 minutes	Continuous
3rd	Reporting	08/12/2016	N/A	N/A	N/A	24-Hour Notification		25-Days Late
3rd	Reporting	08/28/2016	N/A	N/A	N/A	24-Hour Notification		9-Days Late
3rd	Reporting	08/31/2016	N/A	N/A	N/A	24-Hour Notification		7-Days Late
3rd	Reporting	09/04/2016	N/A	N/A	N/A	24-Hour Notification		3-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		N		A(2)		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: FlipChip International, LLC
 Process Flow: 37,914 GPD (Average)

245

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	On 09/26/2016, an NOV was issued for exceeding the minimum allowable pH parameter limits five times as established in Wastewater Discharge Permit № 1307-21551. These violations were reported by FlipChip, Inc. on/between 08/10/2016 and 09/06/2016. All requirements of the NOV were met. A Show Cause Hearing during first or second quarter 2017 is pending.
Fourth Quarter	On 02/17/2016, a Late Reporting NOV was issued for four late 24-hour notifications of pH violations during 08/2016 and 09/2016. All requirements for the NOV were met.

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: 7,850 (GPD) Average

General Information and type of wastewater treatment	
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: Futureweld Company Inc.

249

Process Flow: 8391 (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: 91,331 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 ships generated wastewater offsite for treatment and disposal; the facility did not discharge.</p>
First Quarter	<p>Permit 1101-22940 was administratively continued. 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.</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.</p> <p>GE Parallel Design, Inc. was reclassified and issued Class B Zero Categorical Wastewater Discharge Permit 1612-22904 which became effective on 12/01/2016.</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: Gregory Packaging, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 439 South 55 th Avenue Phoenix, Arizona 85043-4621		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 07/11/2014	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 07/01/2016		PERMIT EXPIRES: 06/30/2021	
SAMPLING LOCATION VERIFIED ON: 08/23/2016		RCRA NOTICE: 06/22/2016		
SLUG CONTROL PLAN EVALUATION DATE: 08/01/2016				
	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			1	0
Number of City Sampling Days			0	4
Number of IU Sampling Days			5	5
Number of Parameter Violations			4	9
Number of Inspection Violations			0	0
Number of Reporting Violations			4	3
Number of Permit Cond. Violations			11	1
Compliance Status			S	I
Evaluated as of:			11/17/2016	01/27/2017

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	Parameter	07/29/2016	Grab	City	IU	pH <5,>10.5/5.0-10.5 SU	15	15
3 rd	Parameter	07/30/2016	Grab	City	IU	pH <5,>10.5/5.0-10.5 SU	15	15
3 rd	Parameter	07/31/2016	Grab	City	IU	pH <5,>10.5/5.0-10.5 SU	15	15
3 rd	Reporting	07/31/2016	N/A	N/A	N/A	24-Hour Notification for pH – 4-Days Late		
3 rd	Reporting	08/01/2016	N/A	N/A	N/A	24-Hour Notification for pH – 3-Days Late		
3 rd	Reporting	08/02/2016	N/A	N/A	N/A	24-Hour Notification for pH – 2-Days Late		
3 rd	Permit Conditions	08/31/2016	N/A	N/A	N/A	Failure to Sample As, BOD, Cd, Cu, Pb, Hg, Mo, Se, Ag, TSS, Zn		
3 rd	Parameter	09/08/2016	Grab	City	IU	pH 4.5/5.0 SU	15	15
3 rd	Reporting	09/10/2016	N/A	N/A	N/A	24-Hour Notification for pH 68-Days Late		
4 th	Parameter	10/06/2016	Grab	City	IU	pH 4.19/5.0 SU	23	23
4 th	Parameter	10/13/2016	Grab	City	IU	pH 4.13/5.0 SU	23	23
4 th	Parameter	10/26/2016	Grab	City	City	pH 11.0/10.5 SU	3	3
4 th	Permit Condition	10/26/2016	N/A	N/A	N/A	Unlawful Discharge		
4 th	Parameter	11/02/2016	Continuous	City	IU	pH 3.87/5.0 SU for 195- Minutes	Continuous	
4 th	Parameter	11/03/2016	Continuous	City	IU	pH 4.83/5.0 SU for 90- Minutes	Continuous	
4 th	Reporting	11/06/2016	N/A	N/A	N/A	30-Day Resample 4-Days Late		
4 th	Reporting	11/06/2016	N/A	N/A	N/A	NOV Response 4-Days Late		
4 th	Reporting	11/08/2016	N/A	N/A	N/A	NOV Response 3-Days Late		
4 th	Parameter	11/08/2016	Continuous	City	IU	pH <5.0 & >10.5 for 196- Minutes	Continuous	
4 th	Parameter	11/09/2016	Continuous	City	IU	pH <5.0 & >10.5 for 337- Minutes	Continuous	
4 th	Parameter	11/10/2016	Continuous	City	IU	pH <5.0 & >10.5 for 142- Minutes	Continuous	
4 th	Parameter	11/11/2016	Continuous	City	IU	pH <5.0 & >10.5 for 139- Minutes	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(9), L 255

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: Gregory Packaging, Inc.
 Process Flow: 42,399 GPD (Average)

General Information and type of wastewater treatment	
The facility is a juice and beverage manufacturer that packages final products for customers (mostly wholesale to schools and grocery stores) which includes a variety of sizes of packaging and ingredients. The primary treatment at the facility is pH adjustment with sodium hydroxide or sulfuric acid prior to mixing and discharge to one of either compliance sampling points.	
First Quarter	
Second Quarter	
Third Quarter	
Initial Permit 1607-32021 issued to IU effective 07/01/2016.	
Fourth Quarter	
<p>On 10/12/2016, an NOV was issued for failure to correctly sample several parameters during August 2016 sampling. The City became aware of the violation after an inspection on 08/23/2016 and review of the Self-Monitoring Report (SMR) for August 2016 submitted on 09/13/2016. All requirements of the NOV were met.</p> <p>On 10/14/2016, an NOV, 30-day Resample, and TISM were issued as a result of several pH violations occurring on 07/29/2016, 07/30/2016, and 07/31/2016. The SMR data submitted on 08/03/2016 contained the violations which were discovered during a second review of the data on 10/06/2016. All requirements of the NOV were met.</p> <p>On 10/14/2016, an NOV was issued for late 24-hour notification of pH exceedances that occurred on 07/29/2016, 07/30/2016, and 07/31/2016. The 24-hour notifications should have been provided by 07/30/2016, 07/31/2016, and 08/01/2016 but were included in the SMR submitted to the City on 08/03/2016; four, three, and two days late. A second review of the data on 10/06/2016 revealed the violations.</p> <p>On 10/14/2016, an NOV and 30-day Resample were issued for a pH effluent violation that occurred on 10/06/2016. The City became aware of the violation when it was reported on 10/06/2016. All requirements of the NOV were met.</p> <p>On 10/26/2016, a Field NOV was issued for a pH effluent violation that occurred on 10/26/2016 during City sampling. A late NOV response was submitted on 11/09/2016; four days late. All requirements of the NOV have now been met.</p> <p>On 10/26/2016, a Field NOV was issued for an unlawful discharge that occurred on 10/26/2016 during City sampling. A late NOV response was submitted on 11/10/2016; three days late. All requirements of the NOV have now been met.</p> <p>On 10/27/2016, an NOV and 30-day Resample were issued for a pH effluent violation that occurred on 10/13/2016. The City became aware of the violation when it was reported on 10/13/2016. All requirements of the NOV were met.</p> <p>On 11/23/2016, an NOV was issued for a late 30-day Resample that was due on 11/05/2016 and was not submitted until 11/09/2016; four days late. All requirements of the NOV were met.</p> <p>On 11/23/2016, an NOV was issued for a late Field NOV Response which was due on 11/05/2016 and was not submitted until 11/09/2016; four days late. All requirements of the NOV were met.</p> <p>On 01/05/2017, an NOV was issued for a late Field NOV Response for unlawful discharge which was due on 11/07/2016 and was not submitted until 11/10/2016; three days late.</p> <p>On 01/20/2017, an NOV was issued as a result of pH violations occurring on 09/08/2016.</p> <p>On 01/20/2017, an NOV was issued for late 24-hour notification of a pH exceedance that occurred on 09/08/2016.</p> <p>On 01/20/2017, SNC Notification was issued for 3rd Quarter late 24-hour notification of a pH exceedance greater than 30-days.</p> <p>On 02/13/2017, an NOV was issued as a result of pH violations occurring on 11/02/2016 and 11/03/2016.</p> <p>On 02/14/2017, an NOV was issued as a result of several pH violations occurring on 11/08/2016, 11/09/2016, 11/10/2016 and 11/11/2016.</p> <p>A Show Cause Hearing will be scheduled during the first or second quarter of 2017 to resolve 2016 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

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

NAME: Hadrian Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 3602 West Washington Street Phoenix, Arizona 85009-4767		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 10/28/2016	
TTO CERTIFICATION DATE SUBMITTED: 10/19/2016	Sampled	PERMIT EFFECTIVE: 08/02/2016	PERMIT EXPIRES: 07/31/2021	
SAMPLING LOCATION VERIFIED ON: 11/15/2016	RCRA NOTICE: 06/06/2016			
SLUG CONTROL PLAN EVALUATION DATE: 11/15/2016				
	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			1	1
Number of City Sampling Days			3	0
Number of IU Sampling Days			2	3
Number of Parameter Violations			0	0
Number of Inspection Violations			0	0
Number of Reporting Violations			0	0
Number of Permit Cond. Violations			12	0
Compliance Status			I	C
Evaluated as of:			09/28/2016	01/25/2017

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	Permit Conditions	08/31/2016	Composite	N/A	IU	Failure to Sample - As, Cd, Cr, Cu, CN, Hg, Pb, Mo, Ni, Se, Ag, TTO		
			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		

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: Hadrian Inc.

257

Process Flow: 288 GPD (Average)

General Information and type of wastewater treatment	
First Quarter	
Second Quarter	
Third Quarter	<p>Initial Permit 1608-33387 was issued to the IU which became effective 08/02/2016.</p>
Fourth Quarter	<p>On 10/03/2016, an NOV was issued for Failure to Sample for Arsenic, Cadmium, Chromium, Copper, Cyanide, Lead, Mercury, Molybdenum, Nickel, pH, Selenium, Silver, Total Toxic Organics (TTO-433). All requirements of the NOV were met.</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.		258		
SERVICE ADDRESS: 401 South 36th Street Phoenix Arizona 85034-2812		REPORT PERIOD: 01/01/2016 through 12/31/2016		
MAILING ADDRESS: Same				
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 09/06/2012	
TTO CERTIFICATION DATE SUBMITTED: 11/28/2016	PERMIT EFFECTIVE: 10/01/2012	PERMIT EXPIRES: 09/30/2017		
SAMPLING LOCATION VERIFIED ON: 08/26/2016	RCRA NOTICE: 10/01/2012			
SLUG CONTROL PLAN EVALUATION DATE: 08/26/2016				
	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	0
Number of City Sampling Days	0	4	1	4
Number of IU Sampling Days	3	3	3	3
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	1	0
Compliance Status	C	C	I	C
Evaluated as of:	01/13/2017	01/13/2017	01/13/2017	01/26/2017

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	Parameter	08/26/2016	Grab	City	IU	pH	2.5/ 5.0 S.U.	6
3 rd	Permit Condition	08/26/2016	N/A	N/A	N/A	Prohibited Discharge – Bypass of Pretreatment		
			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(2), 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: Heligear Acquisition Co.- D-Velco Manufacturing of Arizona, Inc.

259

Process Flow: 3,973 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	<p>During evaluation of the 09/2015 Self-Monitoring Report, City staff discovered that flow data for the month had not been measured. A Notice of Violation (NOV) was issued on 02/02/2016 for Failure to Monitor Flow. The I.U. completed the requirements of the NOV.</p>
Second Quarter	
Third Quarter	<p>On 08/26/2016 the I.U. informed the City of a pH exceedance that occurred on 08/26/2016. An NOV and TISM were issued on 09/06/2016. All requirements of the NOV have been met.</p> <p>An NOV was issued on 09/06/2016 for Prohibited Discharge. The I.U. was found to have installed a valve allowing corrosive waste to bypass pretreatment during an inspection on 08/26/2016. The I.U. has completed the requirements of the NOV.</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**

260

NAME: Heligear Acquisitions Co.- Northstar Aerospace (Phoenix)			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 300 South 23 rd Street Phoenix, Arizona 85034-2500		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 2	09/06/2017
TTO CERTIFICATION DATE SUBMITTED: 01/26/2017	PERMIT EFFECTIVE: 10/10/2012	PERMIT EXPIRES: 7	09/30/2017	
SAMPLING LOCATION VERIFIED ON: 06/01/2016	RCRA NOTICE: 10/01/2012			
SLUG CONTROL PLAN EVALUATION DATE: 06/01/2016				
	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	1	1	0
Number of City Sampling Days	0	1	0	2
Number of IU Sampling Days	3	3	3	3
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	7	0
Compliance Status	C	I	I	C
Evaluated as of:	04/28/2016	07/29/2016	10/27/2016	01/26/2017

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
2nd	Parameter	06/01/2016	Grab	City	City	pH	<2.0 / 5.0 S.U.	4
3rd	Permit Condition	07/31/2016	N/A	N/A	N/A	Failure to Sample Cd, Cr, Cu, Pb, Ni, Ag, Zn		
			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, L	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: Heligear Acquisition Co. – Northstar Aerospace (Phoenix)

261

Process Flow: 122 GPD (Average)

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	<p>On 02/12/2016 the City became aware that during the 4th Quarter of 2014, an analytical result for Selenium (Se) had not been submitted, therefore the IU was violation of their permit conditions - failure to sample once per quarter as required in the Permit. An NOV was issued on 02/16/2016. All requirements of the NOV were met.</p>
Second Quarter	<p>On 06/01/2016 the City became aware of a daily pH exceedance during City monitoring. A Field NOV was issued on 06/01/2016 and a 30-day Resample and TISM were issued on 06/10/2016. The IU met all requirements.</p>
Third Quarter	<p>On 08/02/2016, an NOV was issued for failure to sample monthly and weekly required parameters during July 2016 (Cadmium, Chromium, Copper, Cyanide, Lead, Nickel, Silver, Zinc, and pH). All requirements of the NOV were met.</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: Holsum Bakery, Inc.

263

Process Flow: 35,167 (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	
Second Quarter	
Third Quarter	<p>On 08/27/2016 a Show Cause Hearing was held to discuss self-monitoring violations, reporting violations, and permit conditions violations occurring during the enforcement period 01/01/2015 through 12/31/2015. A Pretreatment Settlement Agreement was reached. Penalties of \$ 6,941.00 were assessed and collected. Completion of PSA requirements and issuance of an Administrative Order are still pending.</p>
Fourth Quarter	

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

Penalties this reporting Year: Assessed \$ 6,941.00 Collected \$ 6,941.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International Inc.
Former Peoria Avenue Facility/EW-1

Process Flow: 32,774 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	On 12/05/2016, the City became aware of a potential exceedance of the gas/vapor toxicity prohibition level for 1,1-Dichloroethylene that occurred on 11/17/2016. Notification to the IU and request for corrective actions will be issued during the first quarter of 2017.

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: 43,730 GPD (Average)

General Information and type of wastewater treatment	<p>This is a groundwater extraction site with no pretreatment or manufacturing processes.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 12/05/2016, the City became aware of a potential exceedance of the gas/vapor toxicity prohibition level for 1,1-Dichloroethylene that occurred on 11/17/2016. Notification to the IU and request for corrective actions will be issued during the first quarter of 2017.</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: Honeywell International Inc.
Honeywell Aerospace - Deer Valley

Process Flow: 1083 (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: 24,309 (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

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

272

NAME: Honeywell International, Inc.- Honeywell Engines Product Center		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 111 South 34th Street Phoenix, Arizona 85034-2802		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 11/02/1983	
TTO CERTIFICATION DATE SUBMITTED: 01/26/2017	PERMIT EFFECTIVE: 10/06/2014	PERMIT EXPIRES: 06/30/2017		
SAMPLING LOCATION VERIFIED ON: 09/16/2016	RCRA NOTICE: 02/27/1990			
SLUG CONTROL PLAN EVALUATION DATE: 09/29/2016				
	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	0
Number of City Sampling Days	0	6	0	6
Number of IU Sampling Days	13	13	13	13
Number of Parameter Violations	0	0	0	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	0	1
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	C	C	I
Evaluated as of:	05/02/2016	08/01/2016	11/08/2016	01/26/2017

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	Parameter	10/11/2016	Composite	City	IU	Cadmium	0.092 / 0.047 mg/L	11
4 th	Reporting	10/27/2016	N/A	N/A	IU	24-Hour Notification 26-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	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 | N- No Enforcement Action |
| D - Criminal Action Filed | I - Compliance Schedule Issued | |
| E - Pretreatment Settlement Agreement (PSA) | J - Disconnection from Sewer | |

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

274

NAME: IASIS Healthcare - St. Luke's Medical Center				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 1800 East Van Buren Street Phoenix, Arizona 85006-3742				MAILING ADDRESS: Same			
CATEGORICAL USER?	No	40 CFR	Local Units	LIMITS APPENDIX:	A	BMR SUBMITTED: NA	
TTO CERTIFICATION DATE SUBMITTED: NA				PERMIT EFFECTIVE: 07/13/2015		PERMIT EXPIRES: 06/30/2020	
SAMPLING LOCATION VERIFIED ON: 04/06/2016				RCRA NOTICE 12/28/1990			
SLUG CONTROL PLAN EVALUATION DATE: 04/06/2016							
	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		1		0		0
Number of City Sampling Days	0		3		1		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		1		0		0
Number of Permit Cond. Violations	0		0		0		0
Compliance Status	C		I		C		C
Evaluated as of:	04/25/2016		07/15/2016		10/24/2016		01/24/2017

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
2nd	Reporting	05/29/2016	N/A	N/A	N/A	SMR 4- 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		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: IASIS Healthcare - St. Luke's Medical Center

Process Flow: 40,143 (GPD) Average

General Information and type of wastewater treatment	<p>The facility conducts normal hospital operations with digital X-ray. The wastewater pretreatment consists of physical separation of food grease for the kitchen.</p>
First Quarter	
Second Quarter	<p>On 06/03/2016, an NOV was issued for submitting a late self-monitoring report which was due on 05/28/2016. The SMR was received on 06/01/2016; 4 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 No

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

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

276

NAME: John C. Lincoln Hospital – Deer Valley		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 19829 North 27th Avenue Phoenix Arizona 85027-4001		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: 07/01/2012	PERMIT EXPIRES: 06/30/2017	
SAMPLING LOCATION VERIFIED ON: 11/09/2016		RCRA NOTICE: 12/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 11/09/2016				
	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	0	1
Number of City Sampling Days	4	0	4	0
Number of IU Sampling Days	1	1	1	1
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	I
Evaluated as of:	04/21/2016	07/26/2016	10/26/2016	01/26/2017

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	10/25/2016	Composite	City	IU	Copper	2.0/1.5 mg/L	4
			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, 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: John C. Lincoln Hospital – Deer Valley

277

Process Flow: 56,785 (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	<p>On 11/16/2016 the City became aware of an effluent violation for Copper which occurred on 10/25/2016. An NOV and TISM were issued on 11/22/2016. All requirements of the enforcement actions were met.</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: John C. Lincoln Hospital – North Mountain

279

Process Flow: 71,847 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p> <p>The wastewater peretreatment consists of wastestream segregation and physical separation. A 3-compartment grease interceptor pretreats wastewater 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: Kerr West Plating, Inc.

281

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	<p>Permit 0907-2330 was administratively continued due to missing and incorrect information in permit application documents.</p>
Second Quarter	<p>Permit 0907-2330 was terminated effective 06/30/2016 because the IU terminated operations at its Phoenix facility.</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

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

NAME: Liquid Environmental Solutions of Arizona LLC			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 5159 West Van Buren Street Phoenix Arizona 85043-3270		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR	437.46	LIMITS APPENDIX: Q	BMR SUBMITTED: 11/01/2003
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 10/28/2016		AMENDED	PERMIT EXPIRES: 12/31/2016
SAMPLING LOCATION VERIFIED ON: 11/18/2016		RCRA NOTICE: 06/06/1996		
SLUG CONTROL PLAN EVALUATION DATE: 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)
Number of Inspections	0	0	0	1
Number of City Sampling Days	3	6	0	5
Number of IU Sampling Days	6	7	6	6
Number of Parameter Violations	0	3	0	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	0	0	1	0
Number of Permit Cond. Violations	0	0	0	0
Compliance Status	C	I	I	I
Evaluated as of:	04/26/2016	05/18/2016	10/25/2016	12/07/2016

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	Parameter	04/07/2016	Composite	Federal	City	Copper	0.550/ 0.405 mg/L	13
2 nd	Parameter	04/08/2016	Composite	Federal	City	Copper	0.785/0.405 mg/L	13
2 nd	Parameter.	04/30/2016	Composite	Federal	City	Copper	0.482/ 0.301 mg/L (MAV)	5
3 rd	Parameter	08/06/2016	NA	NA	NA	Late Reporting/24 Hour Notification		
4 th	Parameter	12/02/2016	Composite	Federal	City	Copper	0.437/ 0.405 mg/L	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	A, L	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: Liquid Environmental Solutions of Arizona LLC

283

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	Permit 1401-21741 for Liquid Environmental Solutions (LES) was administratively extended, due to multiple pretreatment train and compliance sampling point proposals throughout 2015 and 2016.
Second Quarter	During a monitoring data review, city staff discovered that LES had exceeded daily and monthly Copper limits in samples taken by city sampling staff on 04/07/2016, 04/08/2016, and 04/30/2016. On 05/20/016 city staff issued a Notice of Violation (NOV) for effluent violations exceeding daily Copper limits. LES was required to initiate a Temporary Increase in Self-Monitoring (TISM). All conditions of this NOV/TISM were met.
Third Quarter	For the period of June 30, 2016 to August 5, 2016, LES failed to measure flow as required by Permit Standard Conditions. This permit conditions violation was not reported until August 11. As a result, a NOV was issued for Late Reporting – 24 Hour Notification. All conditions of this NOV were met.
Fourth Quarter	<p>Amended Permit 1401-21741A was issued on 10/28/2016 to include a new compliance sampling point. A renewed permit will be issued during the first quarter of 2017.</p> <p>City staff discovered that LES had exceeded daily Copper limits in samples taken by city sampling staff on 12/02/2016. The IU was issued a Notice of Violation (NOV) for effluent violations exceeding daily Copper limits on 02/21/2017. LES was required to initiate a Temporary Increase in Self-Monitoring (TISM). Completion of requirements is 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: Maricopa Integrated Health System

285

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	
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**

286

NAME: Marlyn Nutraceuticals Inc. - Naturally Vitamins, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 07/01/2016	PERMIT EXPIRES: 06/30/2021	
SAMPLING LOCATION VERIFIED ON: 11/09/2016		RCRA NOTICE: 04/12/2001		
SLUG CONTROL PLAN EVALUATION DATE: 11/09/2016				
	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	0	1
Number of City Sampling Days	5	0	0	4
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	0	0	0	10
Compliance Status	C	C	C	I
Evaluated as of:	04/28/2016	07/28/2016	10/26/2016	01/26/2017

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 Condition	12/31/2016	N/A	N/A	IU	Failure to Sample - Acetone, As, Cu, Pb, Hg, Methylene Chloride, Mo, n-Amyl Acetate, Se, Zn		
			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: Marlyn Nutraceuticals Inc. - Naturally Vitamins, Inc.

287

Process Flow: 2,436 (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	
Third Quarter	
Fourth Quarter	<p>On 01/26/2017 the City became aware of a Permit violation. Required 4th quarter 2016 sampling of - Acetone, Arsenic, Copper, Lead, Mercury, Methylene Chloride, Molybdenum, n-Amyl Acetate, Selenium, and Zinc was not performed by the IU. NOV is 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: 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. Dry cleaning equipment was added during 2016 with discharges specifically prohibited in the amended permit.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>Permit 1302-29569 was amended to Permit 1612-29569 to reflect new dry cleaning processes occurring onsite.</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 Arizona- Mayo Clinic Hospital

291

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mega Metals Unlimited Inc.

293

Process Flow: 2,709 (GPD) Average

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>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. On 03/15/2016 the facility was published in the Arizona Republic Newspaper for SNC.</p>
Second Quarter	<p>A Show Cause Hearing was held on 04/12/2016 to resolve 2015 Titanium violations. A Pretreatment Settlement Agreement was reached which included assessment of \$34,520.00 in civil penalties.</p> <p>The IU had suspended discharging following August 2015 Titanium violations. Upon recommencing discharges during April 2016; therefore, on 04/15/2016, the IU was issued a Temporary Increase in Self-Monitoring (TISM) sampling for Titanium once per batch to fulfill violation requirement from 09/2015 that had been temporarily suspended.</p>
Third Quarter	
Fourth Quarter	

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

Penalties this reporting Year: Assessed \$ 34,520.00 Collected \$ 34,520.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Metco Metal Finishing, LLC.

295

Process Flow: 14,143 (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	
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**

296

NAME: Milum Textile Services		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 333 North 7th Avenue Phoenix, Arizona 85007-2533		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 02/28/1990	
TTO CERTIFICATION DATE SUBMITTED: NA	PERMIT EFFECTIVE: 10/01/2013		PERMIT EXPIRES: 06/30/2018	
SAMPLING LOCATION VERIFIED ON: 05/18/2016		RCRA NOTICE: 02/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 05/18/2016				
	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	1	0	0
Number of City Sampling Days	1	3	2	2
Number of IU Sampling Days	1	1	5	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	1
Compliance Status	C	I	C	I
Evaluated as of:	04/24/2016	07/20/2016	10/27/2016	12/14/2016

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	Parameter	06/16/2016	Composite	Federal	City	Zinc	3.99/3.5 mg/L	3
4 th	Permit Conditions	11/01/2016	N/A	N/A	N/A	Failure to sample weekly pH		
			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 | |
| 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: Milum Textile Services

297

Process Flow: 26,558 (GPD) Average

General Information and type of wastewater treatment	<p>Milum Textile Services is an industrial laundry that supplies clean linens and floor mats to hospitals, restaurants and the hospitality industry.</p> <p>The wastewater treatment consists of pH neutralization and physical separation.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>City discovered that IU had exceeded daily Zinc limits in samples taken by the city sampling staff on 06/16/2016. On 07/18/2016 a Notice of Violation (NOV) was issued for effluent violations for exceeding Zinc limits. IU was required to initiate a Temporary Increase in Self-Monitoring (TISM) for a period of four (4) consecutive weeks beginning the first week in August 2016. All conditions of this NOV and TISM were met and found to be in compliance.</p>
Fourth Quarter	<p>For the period of November 2016, IU failed to meet monthly sampling requirements as required by Phoenix City Code Chapter 28-Sewers, Section 28-45 (d) (5) Title 40 Code of Federal Regulations Part 403. 12 (g) (1). On 11/10/2016 a NOV was issued for a violation of Permit Conditions, failure to collect pH sample during the first week of November 2016. All conditions of this NOV were met.</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: Mission Linen Supply, Inc.

299

Process Flow: 157,364 (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.

301

Process Flow: 13,012 (GPD) Average

General Information and type of wastewater treatment	<p>Modern Industries performs electropolishing and cleaning of stainless steel parts for the semiconductor industry and anodization, aluminum oxide conversion coating, and electro polish of aluminum aerospace parts. Pretreatment consists of precipitation, settling, dewatering, filtration and pH adjustment.</p>
First Quarter	
Second Quarter	<p>Permit 1204-21009 was amended to Permit 1608-21009 effective 08/01/2016 to reflect the addition of cleaning, anodization, aluminum oxide conversion coating, and electro polish of aluminum aerospace parts processes.</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: MPP Group of Companies

Process Flow: 23,249 (GPD) Average

General Information and type of wastewater treatment	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.
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: Niagara Bottling, LLC

305

Process Flow: 164,853 (GPD) Average

General Information and type of wastewater treatment	<p>This 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	
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: NXP USA, Inc. - 52nd ST Superfund Site - OU 1

307

Process Flow: 400,000 (GPD) Average

General Information and type of wastewater treatment	<p>NXP USA, Inc. - 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 2016, 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	<p> </p>
Second Quarter	<p>Permit 1608-23176 was issued under the name NXP Semiconductors to reflect the merger of NXP Semiconductors with the former permittee Freescale Semiconductor, Inc.</p> <p>The IU had zero wastewater discharge during this quarter.</p>
Third Quarter	<p>The IU had zero wastewater discharge during this quarter.</p>
Fourth Quarter	<p>Permit 1612-23176 was issued to reflect the name change from NXP Semiconductors to NXP USA, Inc.</p> <p>The IU had zero wastewater discharge 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: One Camelback Inc.

Process Flow: 30,456 (GPD) Average

General Information and type of wastewater treatment
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.
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**

310

NAME: PAS Technologies, Incorporated				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 1021 North 22 nd Avenue Phoenix, Arizona 85007-3717				MAILING ADDRESS: Same			
CATEGORICAL USER?	Yes	40 CFR	433.17	LIMITS APPENDIX:	E	BMR SUBMITTED: 05/05/2006	
TTO CERTIFICATION DATE SUBMITTED: 07/01/2016				PERMIT EFFECTIVE: 07/01/2016		PERMIT EXPIRES: 06/30/2021	
SAMPLING LOCATION VERIFIED ON: 11/02/2016				RCRA NOTICE: unknown			
SLUG CONTROL PLAN EVALUATION DATE: 11/02/2016							
	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		0		1
Number of City Sampling Days	2		2		2		2
Number of IU Sampling Days	7		7		4		4
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:	03/22/2016		06/21/2016		09/15/2016		12/20/2016

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	Parameter	09/01/2016	Grab Instantaneous	City	City	pH	10.64/ 10.5 S.U.	20
	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 | |
| 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: PAS Technologies, Incorporated

311

Process Flow: 18,797 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On September 1, 2016, PAS Technologies, Incorporated (PAS), was issued a Field Notice of Violation (NOV) for a pH violation which occurred during City monitoring with a result of 10.64 S.U. The allowable pH limitation range is 5.0- 10.5 S.U. as established in Wastewater Discharge Permit Ng 1607-23571 Permit Standard Conditions Section A. 7, . Phoenix City Code Section 28-B (e), and 40 CFR 403.5 (b) (2) [for pH< 5.0 S. U.]. In addition, PAS was required to initiate a Temporary Increase in Self-Monitoring (TISM) for a period of four (4) consecutive days beginning September 12, 2016. All conditions of this NOV/TISM were met and found to be in compliance.</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: PepsiCo – Bottling Group, LLC

Process Flow: 171,810 (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**

314

NAME: Phoenix Children's Hospital		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 11/07/2016		RCRA NOTICE: 02/28/1996		
SLUG CONTROL PLAN EVALUATION DATE: 11/07/2016				
	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	0	1
Number of City Sampling Days	4	0	2	0
Number of IU Sampling Days	3	3	3	9
Number of Parameter Violations	0	0	2	1
Number of Inspection Violations	0	0	0	0
Number of Reporting Violations	1	0	0	1
Number of Permit Cond. Violations	1	1	0	0
Compliance Status	I	I	I	I
Evaluated as of:	03/22/2016	07/20/2016	09/28/2016	12/15/2016

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	01/30/2016	N/A	N/A	N/A	NOV Response 20 -Days Late		
1 st	Permit Condition	01/31/2016	N/A	N/A	N/A	Failure to Monitor Flows		
2 nd	Permit Condition	04/30/2016	N/A	N/A	N/A	Failure to Monitor Flows		
3 rd	Parameter	08/30/2016	Grab	Federal	City	Xylene	1500/2200 ug/L	1
3 rd	Parameter	08/30/2016	Grab	Federal	City	Ethylbenzene	550/1590 ug/L	1
4 th	Parameter	10/17/2016	Grab	Federal	IU	Xylene	400/2200 ug/L	7
4 th	Reporting	10/26/2016	N/A	N/A	N/A	24-Hour Notification		
			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)	A	A(2), 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: Phoenix Children's Hospital
 Process Flow: 148,950 GPD (Average)

315

General Information and type of wastewater treatment	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.
First Quarter	On 12/31/2015, an NOV was issued for a Permit Conditions – Monitoring Violation. An extension was granted on 01/21/2016, and the new deadline was 01/29/2016. Due to no response, this NOV was issued to PCH for “Reporting” for failure to provide a response per the previously issued NOV. PCH was required to submit a detailed written report by 02/24/2016. All conditions of this NOV were met and found to be in compliance. On 03/11/2016, a NOV was issued for a Permit Conditions violation. A review of monthly Self-Monitoring Report (SMR) for January 2016 indicated that flow data for compliance sampling point 21169.01 was not included for the month of January due to a flow meter malfunction. All conditions of this NOV were met and found to be in compliance.
Second Quarter	On 06/03/2016, a NOV was issued for a Permit Conditions violation. A review of monthly Self-Monitoring Report (SMR) for April 2016 indicates that flow data for compliance sampling point 21169.02 was estimated (April 7 – April 12) due to a flow meter malfunction. All conditions of this NOV were met and found to be in compliance.
Third Quarter	On 08/30/2016, City sampling determined that PCH was discharging prohibited amounts of Xylene and Ethylbenzene. An NOV and TISM were issued on 10/07/2016 for unlawful wastewater discharge and two effluent violations. All conditions of this NOV were met and found to be in compliance.
Fourth Quarter	On 10/17/2016, a Xylene effluent violation occurred during a TISM sampling event and the City was notified 10/26/2016 although it was required to be reported by 10/25/2016. An NOV was issued on 11/08/2016. All conditions of this NOV were met and found to be in compliance. On 11/08/16, an NOV was issued for late 24-hour notification of an effluent violation. The IU received the analytical results from their contract laboratory on 10/24/2016, and the violation should have been reported by 10/25/2016. This exceedence was not reported until 10/26/2016, one (1) day late. All requirements of the NOV have been met.

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**

316

NAME: Phoenix Heat Treating, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2405 West Mohave Street Phoenix Arizona 85009-6413		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 02/28/1985	
TTO CERTIFICATION DATE SUBMITTED: 07/28/2016	PERMIT EFFECTIVE: 11/01/2016	PERMIT EXPIRES: 10/31/2021		
SAMPLING LOCATION VERIFIED ON: 06/08/2016	RCRA NOTICE: 02/28/1996			
SLUG CONTROL PLAN EVALUATION DATE: 06/08/2016				
	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	1	0	0
Number of City Sampling Days	1	1	2	1
Number of IU Sampling Days	1	1	1	1
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	I
Evaluated as of:	03/28/2016	07/28/2016	10/28/2016	12/23/2016

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 th	Parameter	11/17/2016	Composite	City	City	Copper	3.63/1.5 mg/L	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	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: Phoenix Heat Treating, Inc.

317

Process Flow: 1,006 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p> <p>The wastewater treatment consists of segregation and process control.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On December 21, 2016, a Notice of Violation (NOV) was issued to Phoenix Heat Treating Inc. for this identified Exceedance violation. In addition, a Temporary Increase In Self-Monitoring (TISM) was also issued. Completion of NOV and TISM requirements are pending.</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: 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**

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

320

NAME: Phoenix Manufacturing, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 3655 East Roeser Road Phoenix Arizona 85040-3968		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.15	LIMITS APPENDIX: D	BMR SUBMITTED: 09/26/1983	
TTO CERTIFICATION DATE SUBMITTED: 07/01/2016	PERMIT EFFECTIVE: 04/01/2012	PERMIT EXPIRES: 03/31/2017		
SAMPLING LOCATION VERIFIED ON: 09/23/2016	RCRA NOTICE: 02/28/1990			
SLUG CONTROL PLAN EVALUATION DATE: 09/23/2016				
	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	0
Number of City Sampling Days	4	3	2	0
Number of IU Sampling Days	3	3	3	2
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:	02/09/2016	06/10/2016	09/26/2016	12/01/2016

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
1st	Reporting	03/29/2016	N/A	N/A	N/A	February SMR – 8-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	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: Phoenix Manufacturing, Inc.

321

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	<p>On April 5, 2016 a Notice of Violation (NOV) was issued to Phoenix Manufacturing Inc. (PMI) for submitting a late Self Monitoring Report (SMR) which was due on March 28, 2016. The SMR was received on April 5, 2016 eight days past due. As a result, PMI was required to submit a detailed written report no later than April 25, 2016 outlining the reasons the late reporting occurred and the corrective actions taken to prevent future violations. All conditions of this NOV were met and found to be in compliance.</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

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

322

NAME: Prudential Overall Supply		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 5102 West Roosevelt Street Phoenix, Arizona 85043-2716		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: 07/01/2013	PERMIT EXPIRES: 06/30/2018	
SAMPLING LOCATION VERIFIED ON: 05/31/2016		RCRA NOTICE: 02/28/1990		
SLUG CONTROL PLAN EVALUATION DATE: 05/31/2016				
	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	1	0	0
Number of City Sampling Days	2	3	2	5
Number of IU Sampling Days	1	0	2	2
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	5	0	0
Compliance Status	C	I	C	C
Evaluated as of:	03/28/2016	06/28/2016	09/15/2016	01/27/2017

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
2nd	Permit Condition	06/30/2016	N/A	N/A	N/A	Failure to Sample – DEHP, Cd, Cu, Pb, Zn		
			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: Prudential Overall Supply

323

Process Flow: 52,408 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On 8/7/2016 the City became aware of a violation for failure to conduct 2nd Quarterly Sampling of the following parameters: Bis (2-ethylhexyl) Phthalate (DEHP), Cadmium, Copper, Lead, Zinc. As a result, a Notice of Violation (NOV) was issued to Prudential Overall Supply requiring immediate sampling for the parameters listed above. These samples were to be collected and analyzed in accordance with Permit Standard Conditions Section B and D and the written report of analysis submitted by September 16, 2016. All conditions of this NOV were met and found to be in compliance.</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: Quantum Global Technology, LLC dba Quantum Clean
 Process Flow: 1,361 (GPD) Average

General Information and type of wastewater treatment	Quantum Clean performs chemical cleaning and metallic coating of semiconductor manufacturing components. Wastewater treatment consists of precious metals recovery, flocculation and pH adjust.
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**

326

NAME: Quantum Global Technologies, LLC				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 2101 West Roosevelt Street Phoenix Arizona 85009-3702				MAILING ADDRESS: Same			
CATEGORICAL USER?	Yes	40 CFR	433.17	LIMITS APPENDIX:	E	BMR SUBMITTED: 01/27/2006	
TTO CERTIFICATION DATE SUBMITTED: 01/26/2017				PERMIT EFFECTIVE: 11/1/2016		PERMIT EXPIRES: 10/21/2021	
SAMPLING LOCATION VERIFIED ON: 06/02/2016				RCRA NOTICE: 10/05/2005			
SLUG CONTROL PLAN EVALUATION DATE: 06/02/2016							
	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		1		0		0
Number of City Sampling Days	1		1		1		1
Number of IU Sampling Days	3		3		4		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:	04/21/2016		07/26/2016		10/26/2016		01/26/2017

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	10/29/2016	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	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: Quantum Global Technologies, LLC

327

Process Flow: 308 (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	<p>During the first quarter of 2017, an NOV was issued for submitting a late self-monitoring report which was due on 10/28/2016. The SMR was received on 10/30/2016; 2 days late. All requirements of the NOV were met.</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**

328

NAME: Rexam Beverage Can Company				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 211 North 51st Avenue Phoenix, Arizona 85043-3704				MAILING ADDRESS: Same			
CATEGORICAL USER?	Yes	40 CFR	465.45	LIMITS APPENDIX:	J	BMR SUBMITTED:	07/27/1987
TTO CERTIFICATION DATE SUBMITTED: 12/13/2016				PERMIT EFFECTIVE: 10/01/2012		PERMIT EXPIRES: 09/30/2017	
SAMPLING LOCATION VERIFIED ON: 6/13/2016				RCRA NOTICE: 02/27/1991			
SLUG CONTROL PLAN EVALUATION DATE: 6/13/2016							
	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		1		0		0
Number of City Sampling Days	3		3		3		5
Number of IU Sampling Days	6		6		4		3
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:	04/18/2016		07/13/2016		10/11/2016		01/04/2017

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	01/20/2016	Grab Instantaneous	City	City	pH	4.5/5.0 S.U.	12
			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	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: Rexam Beverage Can Company

329

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 oil and grease gravity separation, stream segregation, lime addition, hydroxide precipitation, filtration, dewatering, and pH neutralization.</p>
First Quarter	<p>On January 20, 2016, Rexam Beverage Can Company (Rexam), was issued a Field Notice of Violation (NOV) for a pH violation which occurred during City monitoring with a result of 4.5 S.U. The allowable pH limitation range is 5.0- 10.5 S.U. as established in Wastewater Discharge Permit Ng 1607-23571 Permit Standard Conditions Section A. 7, . Phoenix City Code Section 28-B (e), and 40 CFR 403.5 (b) (2) [for pH< 5.0 S. U.]. Rexam was required to initiate a Temporary Increase in Self-Monitoring (TISM) for a period of four (4) consecutive weeks beginning January 31, 2016. All conditions of this NOV/TISM were met and found to be in compliance.</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: Safeway, Inc. Phoenix Ice Cream Plant

331

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	
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: 2,724 (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. The facility samples for Oil and Grease in lieu of Total Toxic Organics. Pretreatment consists of gravity separation of oil and grease, 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: Sapa Extrusions North America, LLC - Plant 2 Extrusion Operation

335

Process Flow: 1,249.2 (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. Pretreatment consists of wastestream segregation, gravity separation of oil and grease, filtration, and pH adjustment, a compliance sampling point as well as an evaporator. 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Sapa Extrusions North America, LLC - Remelt Operation

337

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 emulsion breaking, gravity separation of oil and grease, and filtration. The facility samples for Oil and Grease in lieu of Total Toxic Organics.</p>
First Quarter	<p>.</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: 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	

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**

340

NAME: Semi Ray Inspection Services, Inc. Semiray Special Process Division				REPORT PERIOD: 01/01/2016 through 12/31/2016			
SERVICE ADDRESS: 3027 East Washington Street Phoenix, Arizona 85034-1517				MAILING ADDRESS: Same			
CATEGORICAL USER?	Yes	40 CFR	433.17	LIMITS APPENDIX:	E	BMR SUBMITTED: 12/09/2004	
TTO CERTIFICATION DATE SUBMITTED: 1/2017				PERMIT EFFECTIVE: 12/01/2014		PERMIT EXPIRES: 06/30/2019	
SAMPLING LOCATION VERIFIED ON: 02/11/2016				RCRA NOTICE: 11/10/2004			
SLUG CONTROL PLAN EVALUATION DATE: 02/11/2016							
	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	1		1		0		0
Number of City Sampling Days	4		0		1		3
Number of IU Sampling Days	3		4		3		3
Number of Parameter Violations	5		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:	04/05/2016		06/28/2016		09/29/2016		12/27/2016

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	
1 st	Parameter	03/09/2016	Composite	Federal	City	Chromium	6.14 / 2.77 mg/L	8	
1 st	Parameter	03/10/2016	Composite	Federal	City	Chromium	11.1/ 2.77 mg/L	8	
1 st	Parameter	03/29/2016	Composite	Federal	City	Chromium	5.79/ 2.77 mg/L	8	
1 st	Parameter	03/29/2016	Composite	Federal	City	Chromium	6.36/1.71 mg/L (MAV)	3	
1 st	Parameter	03/29/2016	Composite	Federal	City	Nickel	4.04/3.98 mg/L	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,L		N		E, 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 | |
| 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: Semi Ray Inspection Services, Inc.
Semiray Special Process Division

Process Flow: 5,044 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	<p>On March 9, 10, and 29, 2016, City staff discovered that Semi Ray Inspection Services Inc.(Semi Ray) had exceeded daily and monthly average limits for Chromium and Nickel. City of Phoenix verified that sample collection and analysis met all QNQC criteria for these results on April 8, 2016 and April 15, 2016. As a result, a Notice of Violation (NOV) was issued to Semi Ray on April 19, 2016 for this identified exceedance violation. In addition, a Temporary Increase In Self-Monitoring (TISM) was also issued that required additional sampling for Chromium weekly for four (4) consecutive weeks, to begin the week of April 25, 2016. All samples were to be collected as flow proportional composite samples and analyzed both in accordance with Permit Standard Conditions Section B and D. Written results of each TISM sample must be received by the City of Phoenix Industrial Pretreatment Program within five (5) days from the contracted laboratory report date, and in no case more than 30-days from the TISM sampling date. See Third Quarter information for additional enforcement action.</p>
Second Quarter	
Third Quarter	<p>A Show Cause Hearing was held on 08/09/2016 to resolve 2016 Chromium violations. A Pretreatment Settlement Agreement including Civil Penalties of \$ 29,238.00 was reached.</p>
Fourth Quarter	

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

Penalties this reporting Year: Assessed \$ 29,238.00 Collected \$ 29,238.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Shamrock Foods Company-Dairy Division

343

Process Flow: 514,698 (GPD) Average

General Information and type of wastewater treatment	
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.	
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**

344

NAME: Shearer's Foods, LLC – Barrel 0' Fun Snack Foods Southwest		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 06/07/2016	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 07/01/2016	PERMIT EXPIRES: 06/30/2021	
SAMPLING LOCATION VERIFIED ON: 09/13/2016		RCRA NOTICE: 06/13/2016		
SLUG CONTROL PLAN EVALUATION DATE: 09/13/2016				
	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	1	0
Number of City Sampling Days		0	3	5
Number of IU Sampling Days		1	1	1
Number of Parameter Violations		3	0	0
Number of Inspection Violations		0	0	0
Number of Reporting Violations		1	0	1
Number of Permit Cond. Violations		0	0	0
Compliance Status		I	C	I
Evaluated as of:		07/26/2016	10/14/2016	01/28/2017

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
2nd	Reporting	04/29/2016	N/A	N/A	N/A	Failure to Apply for a Permit		
2nd	Parameter	05/06/2016	Continuous	City	IU	pH	<5.0 / 5.0 6-minutes	Continuous
2nd	Parameter	05/23/2016	Continuous	City	IU	pH	<5.0 / 5.0 8-minutes	Continuous
2nd	Parameter	06/10/2016	Continuous	City	IU	pH	<5.0 / 5.0 30-minutes	Continuous
4th	Reporting	11/30/2016	N/A	N/A	N/A	Late SMR	2-days late	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 (3)	A	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: Shearer's Foods, LLC - Barrel O' Fun Snack Foods Southwest

345

Process Flow: 236,056 (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	
Second Quarter	<p>On 04/29/2016 the City became aware that Barrel O' Fun Snack Foods Southwest had been purchased by Shearer's Foods LLC on 11/23/2015. On 05/13/2016 Shearer's Foods LLC was issued a NOV for failure to obtain a permit. Requirements of the NOV were met.</p> <p>On 06/26/2016 the City became aware of an effluent violation. Shearer's Foods reported effluent pH of <5.0 for 6 minutes that occurred on 05/06/2016. A NOV was issued on 06/30/2016 as a non-permitted IU. NOV requirements have been met.</p> <p>On 06/26/2016 the City became aware of an effluent violation. Shearer's Foods reported effluent pH of <5.0 for 8 minutes.that occurred on 05/23/2016. A NOV was issued on 06/30/2016 as a non-permitted IU. NOV requirements have been met.</p>
Third Quarter	<p>Shearer's Foods LLC purchased Barrel O' Fun Snack Foods Southwest, Inc. on 11/23/2015. Permit 1510-26112 for Barrel O' Fun Snack Foods Southwest, Inc. was terminated on 06/30/2016 and Permit 1607-33399 for Shearer's Foods, LLC - Barrel O' Fun Snack Foods Southwest became effective on 07/01/2016.</p> <p>On 07/27/2016 the City became aware of an effluent violation. Shearer's Foods reported effluent pH of <5.0 for 30 minutes occurring on 06/10/2016 as a non-permitted IU. A NOV was issued on 07/27/2016. NOV requirements were met.</p>
Fourth Quarter	<p>On 11/30/2016 the City received a SMR report from Shearer's Foods that was due on 11/28/2016. A Late Reporting NOV was issued on 11/30/2016. NOV requirements were met.</p> <p>On 02/01/2017, the City rescinded the Notice of Violation dated 07/01/2016 for late 24-hour Notification of pH violation – 35-days late because the IU was operating without an effective permit due to the purchase of the facility on 11/23/2015.</p> <p>On 02/15/2017, the City rescinded the SNC Notification dated 07/20/2016 for late 24-hour Notification of pH violation – 35-days late because the IU was operating without an effective permit due to the purchase of the facility on 11/23/2015.</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**

346

NAME: Signetix, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2611 South 7th Street, Suite 101 Phoenix Arizona 85034-6503		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 07/02/2001 09/30/2016	
TTO CERTIFICATION DATE SUBMITTED: 08/27/2016	PERMIT EFFECTIVE: 12/01/2013	PERMIT EXPIRES: AC		
SAMPLING LOCATION VERIFIED ON: 06/22/2016	RCRA NOTICE: 12/14/2001			
SLUG CONTROL PLAN EVALUATION DATE: 06/22/2016				
	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	1	0	0
Number of City Sampling Days	0	2	1	3
Number of IU Sampling Days	1	0	0	0
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:	03/28/2016	06/27/2016	09/26/2016	12/27/2016

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
2 nd	Permit Condition	06/22/2016	N/A	N/A	N/A	No Inspection Access		
			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 | |
| 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: Signetix, Inc.

347

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. Rinsate wastewater generated from the cleaning process is pH neutralized prior to discharge.</p>
First Quarter	
Second Quarter	<p>On June 22, 2016, Signetix, Inc. failed to provide free access to monitoring and sampling points as required by Phoenix City Code Chapter 28-44(e)(3) and Wastewater Discharge Permit No. 1312-20729, Permit Standard Conditions, Section N. As a result, a Notice of Violation (NOV) was issued to Signetix which required corrective action for safe, non-hazardous, and easily accessible monitoring/sampling locations for City personnel by August 27, 2016. In addition, a written report outlining the reasons for failure to meet this requirement and the corrective actions taken to prevent future violations. This report was required to be submitted by August 27, 2016. All conditions of this NOV were met and found to be in compliance.</p>
Third Quarter	
Fourth Quarter	<p>Permit 1312-20729 was administratively continued. Permit 1702-20729 was issued on 01/20/2017 and became effective on 02/01/2017.</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**

348

NAME: SkyChefs, Inc. – LSG SkyChefs		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 1451 South 23rd Street Phoenix Arizona 85034-4806		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: 11/01/2013	PERMIT EXPIRES: 06/30/2017		
SAMPLING LOCATION VERIFIED ON: 05/19/2016	RCRA NOTICE: 02/28/1990			
SLUG CONTROL PLAN EVALUATION DATE: 05/19/2016				
	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	1	0	0
Number of City Sampling Days	3	3	2	0
Number of IU Sampling Days	1	2	1	1
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:	03/24/2016	06/23/2016	09/26/2016	01/26/2017

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	Parameter	07/13/2016	Grab Instantaneous	City	City	pH	11.98/ 10.5 S.U.	16
4 th	Parameter	12/12/2016	Grab Instantaneous	City	City	pH	10.95/ 10.5 S.U.	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			N	N	A,L	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 | 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: SkyChefs, Inc. – LSG SkyChefs

349

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	<p>On July 13, 2016, LSG SkyChefs Inc., was issued a Notice of Violation (NOV) for a pH violation which occurred during City monitoring with a result of 11.98 S.U. The allowable pH limitation range is 5.0- 10.5 S.U. as established in Wastewater Discharge Permit Ng 1607-23571 Permit Standard Conditions Section A. 7, . Phoenix City Code Section 28-B (e), and 40 CFR 403.5 (b) (2) [for pH< 5.0 S. U.]. In addition, LSG Sky Chefs is required to perform a four (4) day continuous pH study, pursuant to EPA Method 150.2, at Compliance Sampling Point NQ 2390.01, and the results must be submitted to the Environmental Services Division no later than August 15, 2016. Each of the four days signed and certified TISM reports shall include the corresponding 24-hour pH study data as an electronic Excel spreadsheet file. All conditions of this NOV/TISM were met and found to be in compliance.</p>
Fourth Quarter	<p>On December 12, 2016, LSG SkyChefs Inc., was issued a Notice of Violation (NOV) for a pH violation which occurred during City monitoring with a result of 10.95 S.U. The allowable pH limitation range is 5.0- 10.5 S.U. as established in Wastewater Discharge Permit Ng 1607-23571 Permit Standard Conditions Section A. 7, . Phoenix City Code Section 28-B (e), and 40 CFR 403.5 (b) (2) [for pH< 5.0 S. U.]. In addition, LSG Sky Chefs is required to sample for pH once per day for four (4) consecutive days, to begin the week of December 26, 2016. All conditions of this NOV/TISM were met and found to be in 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 \$0.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Specialty Textile Services

351

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**

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

352

NAME: SUMCO Southwest Corporation		REPORT PERIOD: 12/01/2016 through 12/31/2016		
SERVICE ADDRESS: 19801 North Tatum Boulevard Phoenix, Arizona 85050-4201		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 469.28	LIMITS APPENDIX: T	BMR SUBMITTED: 03/27/1997 7	
TTO CERTIFICATION DATE SUBMITTED: 11/02/2016		PERMIT EFFECTIVE: 01/01/2012	PERMIT EXPIRES: 12/31/2016 6	
SAMPLING LOCATION VERIFIED ON: 05/19/2016		RCRA NOTICE: 01/16/1997		
SLUG CONTROL PLAN EVALUATION DATE: 05/19/2016				
	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	1	0	0
Number of City Sampling Days	4	5	4	3
Number of IU Sampling Days	3	3	3	3
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	I
Evaluated as of:	04/15/2016	07/26/2016	10/13/2016	01/19/2017

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	Parameter	12/22/2016	Instantaneous Grab	City	IU	pH	<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	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: SUMCO Southwest Corporation

353

Process Flow: 711,556 (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	<p>In 12/22/2016 the City became aware of a continuous pH exceedance of <5.0 for 14 minutes. An NOV was issued on 12/22/2016 and a Demand Inspection was performed on 01/18/2017. The IU met all 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: Sumika Electronic Materials

355

Process Flow: 1,086 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 No

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

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

356

NAME: The Proctor & Gamble Manufacturing Company			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 2050 South 35th Avenue Phoenix Arizona 85009-6705		MAILING ADDRESS: Same		
CATEGORICAL USER? Yes	40 CFR 439.46	LIMITS APPENDIX: K	BMR SUBMITTED: 05/06/2014	
TTO CERTIFICATION DATE SUBMITTED: N/A	PERMIT EFFECTIVE: 07/01/2014		PERMIT EXPIRES: 06/30/2019	
SAMPLING LOCATION VERIFIED ON: 10/10/2016		RCRA NOTICE: 02/05/2014		
SLUG CONTROL PLAN EVALUATION DATE: 10/10/2016				
	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	0	1
Number of City Sampling Days	3	3	3	1
Number of IU Sampling Days	1	1	6	1
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:	04/18/2016	06/23/2016	09/23/2016	12/22/2016

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
3 rd	Parameter	08/09/2016	Composite	City	IU	Copper	1.8 / 1.5 mg/L	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			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: The Proctor & Gamble Manufacturing Company

357

Process Flow: 20,800 (GPD) Average

General Information and type of wastewater treatment	<p>This facility manufactures a natural fiber laxative (Metamucil). Pretreatment consists of physical separation and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>On August 9, 2016, a Notice of Violation (NOV) and Temporary Increase In Self-Monitoring (TISM) were issued to The Proctor and Gamble Manufacturing Company, Inc. (Proctor and Gamble) for exceedance of the maximum allowable concentration for Copper into the City of Phoenix Wastewater System. As a result of the violation(s), Proctor and Gamble was required to sample for Copper once per week for four (4) consecutive weeks, beginning the week of September 5, 2016. All samples were to be collected as flow proportional composite samples and analyzed both in accordance with Permit Standard Conditions Section 8 and D. All conditions of the NOV and TISM were met and found to be in compliance.</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**

358

NAME: Unifirst Corporation				REPORT PERIOD: 01/01/2016 through 12/31/2016				
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: 05/26/2016				RCRA NOTICE: 01/03/1992				
SLUG CONTROL PLAN EVALUATION DATE: 05/26/2016								
	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		1		0		0	
Number of City Sampling Days	2		5		3		2	
Number of IU Sampling Days	2		1		1		1	
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:	03/18/2016		06/21/2016		09/02/2016		12/08/2016	

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
3 rd	Parameter	08/22/2016	Grab	City	City	pH	4.36 / 5.0 S.U.	9
			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

359

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 August 22, 2016, Unifirst Corporation was issued a Field Notice of Violation (NOV) for a pH violation which occurred during City monitoring with a result of 4.36 S.U. The allowable pH limitation range is 5.0- 10.5 S.U. as established in Wastewater Discharge Permit Ng 1607-23571 Permit Standard Conditions Section A. 7, . Phoenix City Code Section 28-B (e), and 40 CFR 403.5 (b) (2) [for pH< 5.0 S. U.]. In addition, PAS was required to initiate a Temporary Increase in Self-Monitoring (TISM) for a period of four (4) consecutive weeks beginning August 29, 2016. All conditions of this NOV/TISM were met and found to be in compliance.</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

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

360

NAME: Valkyrie Industries, Inc.			REPORT PERIOD: 01/01/2016 through 12/31/2016	
SERVICE ADDRESS: 6033 West Sherman Street Phoenix, Arizona 85043-3514		MAILING ADDRESS: Same		
CATEGORICAL USER?	Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED: 04/30/2002 2
TTO CERTIFICATION DATE SUBMITTED: 01/27/2017		PERMIT EFFECTIVE: 01/01/2013	PERMIT EXPIRES: 12/31/2017 7	
SAMPLING LOCATION VERIFIED ON: 03/22/2016		RCRA NOTICE: 07/12/2002		
SLUG CONTROL PLAN EVALUATION DATE: 03/22/2016				
	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	1	0	0	0
Number of City Sampling Days	4	2	3	1
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:	05/02/2016	08/01/2016	11/14/2016	02/07/2017

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	11/30/2016	N/A	N/A	N/A	Failure to Correctly Analyze		
			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 | |

For the Year Ending December 31, 2016

23042R01

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Valkyrie Industries, Inc.
 Process Flow: 6,473 GPD (average)

General Information and type of wastewater treatment	<p>This facility performs anodizing, electro/electroless plating of nickel, and tin, and chromium passivation. Wastewater treatment consists of stream segregation, chemical reduction, electrolytic recovery, hydroxide precipitation, filtration, and pH neutralization.</p>
First Quarter	
Second Quarter	
Third Quarter	
Fourth Quarter	<p>On 12/28/2016 the City became aware of a permit condition violation for failure to correctly analyze within the holding time. The November 2016 SMR included an analytical result for Cyanide, analyzed on 12/16/2016, that did not conform to the holding time requirement specified in 40 CFR 136. An NOV was issued on 01/04/2017. All requirements of the NOV were met.</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: World Resources Company

363

Process Flow: 43,126 (GPD) Average

General Information and type of wastewater treatment	<p>The facility receives metal-laden waste sludge 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 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: 01/01/2016 through 12/31/2016

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
Pretreatment 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.

1-30-17
Date:



Brian K. Biesemeyer
Executive Director
Water Resources Division, City of Scottsdale, Arizona



INTRODUCTION

2016 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 2015, the estimated population was 236,839.

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 Water earns international accolades for exceptional performance and recognition by demonstrating its commitment to the Utility of the Future concept of more efficient operations and a progression toward full resource recovery with enhanced productivity, sustainability and resiliency. Specifically, Scottsdale was recognized for fostering an “Organizational Culture of the Future” and for exceptional achievement in the areas of water reuse, energy efficiency and community partnering and engagement.

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 2016 the Pretreatment Program completed 2704 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

2016 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 2016, the Pretreatment group inspected 98 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 1054 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, 2704 inspections were performed at bars, restaurants, hotels, night clubs, and golf courses in 2016. 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 156 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 216 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 Water Resource Citizens Academy for Residence, 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, 2016 – December 31, 2016 – Total Pretreatment Expenditures \$ **442,610**

PRETREATMENT PROGRAM PERSONNEL

<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</u>
Regulatory Compliance Manager	0.2	0.2
Water Quality Coordinator	1.0	1.0
Water Quality Specialists	*5.0	*5.0

***Added employee shares
other responsibilities in
different programs within
water quality**

PRETREATMENT PROGRAM EXPENDITURES

Laboratory Services	\$ 29,076
Operating Supplies and Expenses	\$ 413,513

PRETREATMENT EQUIPMENT INVENTORY

<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
pH Meter	0	3
Gas Detectors	0	2
Portable Auto-Sampler	2	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 12/31/2016

	COMPANY NAME AND ADDRESS	WWTP	SIC Code	Regulation
1.	General Dynamics Mission Systems 8201 East McDowell Road MD H2308 Scottsdale, Arizona 85252-3812	91 st Ave	3661 3663	Local Limits
2.	Henkel Consumer Goods Inc. 19001 North Scottsdale Road Scottsdale, Arizona 85255-9679	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 2016:

None

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

None

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2016:

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, 2016			Categorical IUs: 0		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	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	0%
4.	No. of Parameter Violations	0		1		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	
1.	No. of Control Documents Issued	0		6		6	
2.	No. of Non sampling Inspections Conducted	0		6		6	
3.	No. of Facilities Inspected (Non sampling)	0		6		6	
4.	No. of Sampling Visits Conducted	0		25		25	
5.	No. of Facilities Sampled	0		6		6	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
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		\$ 1000.0 / 0		\$ 100.00 / 0	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: General Dynamics Mission 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. An inline flow meter monitors flow at the compliance point just prior to the sampling box and v-notch weir.</p>
First Quarter	<p>General Dynamics did not discharge process wastewater for this period.</p>
Second Quarter	<p>City of Scottsdale and General Dynamics separately conducted quarterly sample monitoring of the facility. City staff conducted one inspection of the facility during this quarter.</p>
Third Quarter	<p>City of Scottsdale conducted quarterly sample monitoring for the quarter. General Dynamics conducted 2 quarterly sample monitoring events during the quarter.</p>
Fourth Quarter	<p>City of Scottsdale and General Dynamics separately conducted quarterly sample monitoring of the facility.</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: Henkel Consumer Goods Inc.

379

Process Flow: 33,667 (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.</p>
Second Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility.</p>
Third Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 8/19/16 Publish Violation in The Arizona Republic due to 2015 Heptachlor Violations</p>
Fourth Quarter	<p>The City of Scottsdale and Henkel Consumer Goods Inc. separately conducted quarterly sample monitoring for this facility. 10/27/16 \$1000.00 Fine paid due to 2015 Heptachlor Violations</p>

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

Penalties this reporting Year: Assessed \$1000.00 Collected \$ 1000.00

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Mayo Clinic Scottsdale

381

Process Flow: 96,689 (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 Scottsdale separately conducted quarterly sample monitoring of the facility.</p>
Second Quarter	<p>City of Scottsdale and Mayo Clinic Scottsdale separately conducted quarterly sample monitoring of the facility.</p>
Third Quarter	<p>City of Scottsdale and Mayo Clinic Scottsdale separately conducted quarterly sample monitoring of the facility.</p>
Fourth Quarter	<p>City of Scottsdale and Mayo Clinic Scottsdale separately conducted quarterly sample monitoring of the facility.</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: 120,386 (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

The City of Scottsdale and Scottsdale Healthcare Osborn separately conducted quarterly sample monitoring.

Second Quarter

The City of Scottsdale and Scottsdale Healthcare Osborn separately conducted quarterly sample monitoring.

Third Quarter

The City of Scottsdale and Scottsdale Healthcare Osborn separately conducted quarterly sample monitoring.

Fourth Quarter

The City of Scottsdale and Scottsdale Healthcare Osborn separately conducted quarterly sample monitoring.

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**

384

NAME: Scottsdale Healthcare – Shea		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 9003 East Shea Boulevard Scottsdale, Arizona 85260-6709		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: A	BMR SUBMITTED: 11/15/1991	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 01/01/2016	PERMIT EXPIRES: 12/31/2021	
SAMPLING LOCATION VERIFIED ON: 10/26/2016		RCRA NOTICE: 08/17/1992		
SLUG CONTROL PLAN EVALUATION DATE: 1/19/2016				
	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	0	1
Number of City Sampling Days	1	1	1	1
Number of IU Sampling Days	1	1	2	1
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:	4/26/2016	7/27/16	10/20/2016	1/12/2017

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 Limit	7/28/2016	Composite	City	IU	Mercury	0.0095 / 0.0023 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	A (1) 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: Scottsdale Healthcare – Shea

Process Flow: 154,011 (GPD) Average

General Information and type of wastewater treatment	<p>Scottsdale Shea Medical Center, formerly Scottsdale Healthcare Shea is a a dull service hospital healthcare facility (SIC 8062). Scottsdale Shea Medical Center is a non-categorical significant industrial user. Scottsdale Shea Medical Center utilizes pH neutralization and Best Management Practices as their primary treatment of process wastewater.</p>
First Quarter	<p>City of Scottsdale and Scottsdale Shea Medical Center separately conducted quarterly sample monitoring of the facility.</p>
Second Quarter	<p>City of Scottsdale and Scottsdale Shea Medical Center separately conducted quarterly sample monitoring of the facility.</p>
Third Quarter	<p>City of Scottsdale and Scottsdale Shea Medical Center separately conducted quarterly sample monitoring of the facility. The industrial user became aware of a mercury violation on 7/28/2016 after a review of the periodic compliance report. A notice of violation was issued on 8/25/2016. The industrial user re-sampled on 8/12/2016 in order to meet the City of Scottsdale’s Pretreatment Enforcement Response Plan’s re-sampling requirement.</p>
Fourth Quarter	<p>City of Scottsdale and Scottsdale Shea Medical Center separately conducted quarterly sample monitoring of the facility.</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: Scottsdale Healthcare – Thompson Peak Parkway

387

Process Flow: 51,605 (GPD) Average

General Information and type of wastewater treatment	<p>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.</p>
First Quarter	<p>The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.</p>
Second Quarter	<p>The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.</p>
Third Quarter	<p>The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.</p>
Fourth Quarter	<p>The City of Scottsdale and Scottsdale Healthcare Thompson Peak Parkway separately conducted quarterly sample monitoring.</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

POTW PRETREATMENT ANNUAL REPORT

CITY OF TEMPE, ARIZONA

NPDES Permit Holder: City of Phoenix, Arizona

Period Covered by this Report: 01/01/2016 through 12/31/2016

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

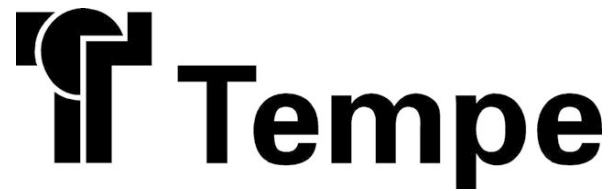
As required by 40 C.F.R. Section 122.22(b)(2):

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.

2/1/2017
Date:

Bradley Fuller
Bradley Fuller
Acting Deputy Director of Public Works
Water Utilities Division City of Tempe, Arizona

SECTION 2.5
CITY OF TEMPE



INTRODUCTION

Tempe, pronounced “Tem-pee”, with a population of greater than 175,000 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 9.37 inches, the average high temperature is 87.3 degrees and the average low is 55.3 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 60,000 students at Tempe’s 642 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, 2016, through December 31, 2016

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. One Consent Order ("CO") was issued, and one Pretreatment Settlement Agreement ("PSA") was entered into in the 2016 calendar year. The results of the CO and PSA 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, FOG, and commercial), stormwater compliance (MSGP and City Code), backflow, and air quality concerns.

The City had a philosophy change and went to an "off the shelf" solution with a different vendor to assist with the development and use of a compliance data system (CDS) for the Pretreatment, Backflow, Stormwater, and Air Quality programs. The backflow module will be operational by March 31, 2017, while the pretreatment, commercial inspection and stormwater compliance data systems are currently under consideration. The solution is expected to be fully operational by July 31, 2017. Additionally, the City is reviewing proposals from several vendors to design a software solution that can accommodate the needs of the Tempe Grease Cooperative ("TGC")

Environmental Services continues to support the TGC and membership continues to expand city wide. As of December 31, 2016, 170 FSEs and five permitted IUs, including Arizona State University, are TGC members. In 2016, TGC was recognized as an innovative environmental program, earning multiple awards. 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 Interceptors in 2016. Significant changes include right sizing cleaning frequencies for schools, and addressing the use of grease protection devices as disposal commissaries. The revisions are set to go to council in 2017.

Tempe's investigation into the S::CAN "spectrometer probe" at Tempe's TP-01 is still ongoing. Currently, the S::CAN technology is being evaluated through a 3rd party vendor under the guidance of the SROG Technical Advisory Committee ("TAC"). A series of questions were sent to S::CAN to address before TAC can recommend that SROG move forward with the project. 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. The City of Tempe entered into a response agreement with the SROG partners to address plant upsets, which would be initiated by notification from plant staff, and S::CAN could increase response efficiency.

CITY OF TEMPE

Annual Best Management Practices Report

**Pollution Prevention through Point Source Control Measures
&
Educational Outreach Program Efforts
for January 1, 2016 through December 31, 2016**

CITY OF TEMPE

2016 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:

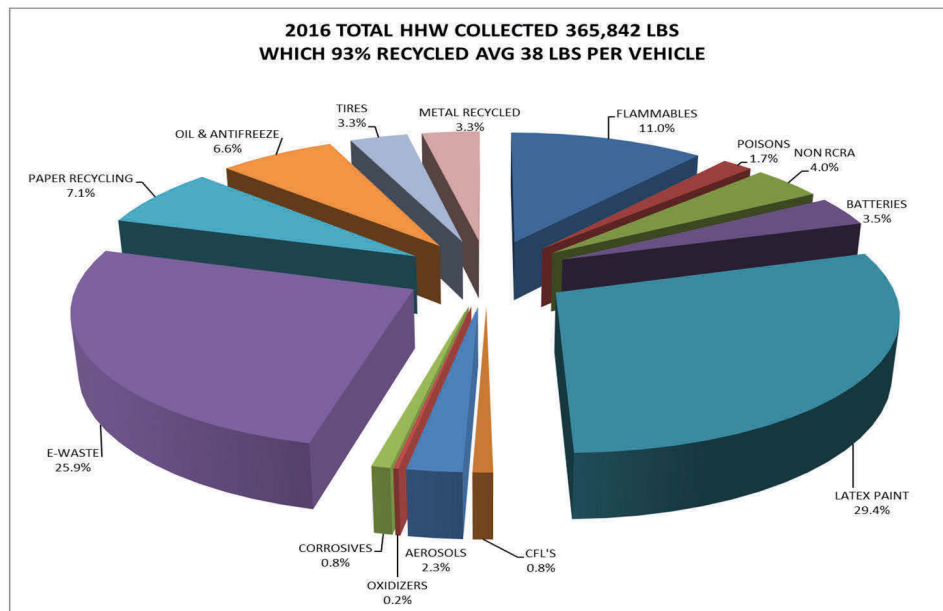
- Provide for the safe and convenient disposal of most common household products on a continuous basis;
- Enhance recycling of collected materials;
- Protect the environment and public health and safety by reducing the amount of illegal dumping; and to
- Provide public education on the proper management of household chemicals.

Participation at the facility has decreased by 24 percent in 2016 with a total of 9,619 visitors that resulted in the diversion of 365,842 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 2016. This decrease can be attributed to a societal culture shift towards repurposing and reuse of consumable materials as well as a slowdown in the disposal of electronic waste. 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 of common materials instead of lab packing them for disposal;
- Bulking of 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 of 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, and regularly updates, a document 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>.

February 2016 included an article with the title "Urban Forestry Master Plan Workshop & Tree Expo". Tempe's Urban Forestry Master Plan, which is currently being developed, shows residents how trees benefit people, communities and the environment. The expo included information on tree selection, xeriscaping, and fruit and nut trees; pruning demonstrations; kids' activities; and a tree raffle.

March 2016 included an article with the title, "Compost Giveaway April 2" stated that the City's Public Works Department would make Tempe's compost available to the public free of charge. The compost material is made from green organic material (such as yard clippings and shrubs) and is collected citywide. The collected material is turned into nutrient-rich compost and can be used for new gardens or existing lawns.

March 2016 included an article with the title, "Spring Water Conservation Workshop Schedule". The City's Public Works Department hosted five independent workshops to educate residents with the titles "Designing Your Landscape", "Installing and Maintaining Your Landscape", "Drip and Turf Irrigation" "Rain Harvesting", "Graywater Harvesting".

March 2016 included an article with the title, "Water audits available to residents". Tempe's water conservation experts began offering free home water audits to check fixtures, irrigation systems and overall water usage. This service can help

identify leaks and make recommendations to conserve water around the house and in the yard.

May 2016 included an article with the title, “Tempe Drinking Water Meets All EPA Health Guidelines”. The water crisis in Flint, Michigan, has brought attention to local water utilities and what they are doing to ensure that EPA regulations are followed. Tempe wanted to reassure residents that the water produced at the city’s two treatment plants meets or exceeds all EPA health requirements and is safe to drink.

July 2016 included an article with the title, “Turn Your Tree Trimmings into Compost with Green Organics Program”. The City’s Public Works Department offers curbside and alley green organics collection to residents. The free service runs simultaneously with bulk trash pickup. Residents can place their pile of yard trimmings next to the bulk pile and City crews will pick up both during collection week. Once collected, the material is turned into compost that is returned to city parks, community gardens and given to residents.

October 2016 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 October 22, 2016. This event encourages community members not to dispose of these types of medications by flushing them down toilets.

In October 2016, Tempe Environmental Service’s staff attended a Getting Arizona Involved in Neighborhoods (GAIN) event. Staff distributed educational material and were on-hand to discuss Tempe’s environmental programs with residents and neighborhood leaders.

November 2016 included an article with the title, “Don’t be a turkey - recycle your holiday cooking grease!” which reminded residents that holiday cooking can create a significant amount of grease. As a way to decrease its harmful effects on plumbing, the City of Tempe established various drop off locations for residents to recycle their used grease.

Additional outreach flyers were given to individuals attending events such as the Zero Waste Day (April 16, 2016) & (November 12, 2016) and the Tempe Arts Festival (April 8-10, 2016) & (December 2-4, 2016) 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 emailed to Tempe Industrial Users and contains 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.

The City of Tempe participates in the AZFOG Subcommittee under the AZWater Association, an association of municipal pretreatment agencies, public and private sewer districts, and other FOG stakeholders. The goal of the AZFOG Group is to reduce the amount of FOG that enters the sanitary sewer system by adhering to four concepts: inclusion, commonality, consistency, and education. AZFOG is also working towards solving the industry’s biggest challenges through research, study and practice, including the identification of opportunities and obstacles to repurposing FOG.

As reported in the Pretreatment Performance Summary, 40 inspections were conducted at Significant Industrial Users (SIUs). Environmental staff conducted an additional 30 inspections at Industrial Users who are permitted with either a Class II or III discharge permit during the period of January 1, 2016, through December 31, 2016.

A total of 121 calls were responded to during the 2016 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	6
Odor	6
Other (Dust, Illegal Disposal)	63
SSO (3 Private)(1 City)	4
Storm water	30

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 2016, 764 sampling events were completed, 455 at categorical facilities and 309 at non-categorical facilities. Approximately 78 commercial walk-through inspections were completed, and 137 commercial food establishment inspections were completed. 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 haulers.

Tempe Grease Cooperative

The City of Tempe offers food service establishments (FSEs), including restaurants, hotels, schools and food 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 grease trap and interceptor cleaning and maintenance services at a discounted 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 at a lower cost,
- Creates more sustainable plumbing and municipal sewer infrastructure, and
- Explores the use of trap and interceptor waste as a renewable energy resource.

As the administrative arm of the cooperative, the city has collectively purchased grease trap and interceptor pumping services, line-jetting, minor repairs, and yellow grease services on behalf of member FSEs. The city manages the contracts with no added cost for administration, assuring that members get quality, compliant services. 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. Through proper management of FOG at the establishment, less of this waste enters the city’s sewer system – leading to more sustainable sewer infrastructure and a healthier community and environment.

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, 2016 there are approximately 175 members in the Tempe Grease Cooperative.

In 2016, the TGC received regional and national recognition. In June, the TGC was awarded the J. Robert Havlick Award for Innovation in Local Government

from the Alliance for Innovation. In September, the TGC won the Governor's Award for Arizona's Future through Arizona Forward's Environmental Excellence Awards. Finally, in October the TGC received Silver level recognition from Arizona Department Environmental Quality's Voluntary Environmental Stewardship Program.

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 TGC, visit: <http://www.tempe.gov/grease>.

CITY OF TEMPE

SUMMARY OF PRETREATMENT PROGRAM EXPENDITURES	
January 1, 2016 – December 31, 2016 – Total Pretreatment Expenditures	\$1,754,579.71

PRETREATMENT PROGRAM PERSONNEL		
<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</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	4.0	4.0
Administrative Assistant II	2.0	1.0

PRETREATMENT PROGRAM EXPENDITURES	
Personnel	*\$1,358,846.55
Equipment Operation & Maintenance	\$202,085.16
Laboratory	\$188,648.00
Pollution Prevention	**\$5,000.00
*Based on Fiscal Year 16/17	
**Estimated Value	

PRETREATMENT EQUIPMENT INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
ISCO Wastewater Sampler	0	37
ISCO Area Velocity Meters	0	5
ISCO Flow Meter Modules (pH/ultra-sonic)	0	16
ISCO Laser Flow Meters	0	5
S::Can Spectrometer Probe	0	1
Vehicles	2	13
Gas Detectors	2	14
Computers (desktop/laptop)	0	16

CITY OF TEMPE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016

	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.	APS 1500 East University Drive Tempe AZ 85281	COP 91 st Ave	4911	423.16
5.	Arizona Finishing 2400 South Roosevelt Tempe, AZ 85282	COP 91 st Ave	3479	433.17
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	469.18

CITY OF TEMPE
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016

	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 2016:

Arizona Finishing
2400 South Roosevelt
Tempe, AZ 85282

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

Pan Jit Americas, Inc.
2502 West Huntington Drive
Tempe AZ 85282

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

None

NAME CHANGES

The following Significant Industrial Users changed their names in 2016:

None

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, 2016			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	19	82.61	4	44.44	26	71.88
2.	No. of SIUs in Inconsistent Compliance	4	17.39	5	55.56	6	28.22
3.	No. of SIUs in Significant Noncompliance	0	0	0	0	0	0
4.	No. of Parameter Violations	10		7		17	
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	6		3		9	
2.	No. of Non-sampling Inspections Conducted	32		10		42	
3.	No. of Facilities Inspected (Non-sampling)	23		9		32	
4.	No. of Sampling Visits Conducted	455		309		764	
5.	No. of Facilities Sampled	21		9		30	
IV. Enforcement Actions							
		Categorical		Non-categorical		Total SIUs	
		No.	%	No.	%	No.	%
1.	Notices of Violations Issued to SIUs	1		3		4	
2.	Temporary Increase in IU Self-Monitoring	0		0		0	
3.	Administrative Orders Issued to SIUs	1		3		4	
4.	Compliance Schedules Issued	0		2		2	
5.	Settlement Agreements	1		2		3	
6.	Other Actions	0		0		0	
7.	Amount of Penalties Collected (Total Dollars / IUs Assessed)	\$ 0.00		\$ 11,250.00		\$ 11,250.00	

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Acme Aerospace Inc.

409

Process Flow: 0.000409 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.</p> <p>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	<p>On October 31, 2016 Acme Aerospace, Inc. discharged two separate batches. The first batch had a local limit parameter violation (Arsenic .223 mg/l) it will be determined if an NOV and AO is warranted in the 1st Quarter of 2017.</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 TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

410

NAME: Advanced Circuits		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 07/19/2016		PERMIT EFFECTIVE: 12/15/2014	PERMIT EXPIRES: 12/14/2018	
SAMPLING LOCATION VERIFIED ON: 12/30/2016		RCRA NOTICE: 04/21/1993		
SLUG CONTROL PLAN EVALUATION DATE: 01/28/2015				
	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	0	0	1
Number of City Sampling Days	9	12	9	9
Number of IU Sampling Days	26	24	18	24
Number of Parameter Violations	0	0	3	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:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Local Limit	08/11/16	Composite	City	City	Copper	25.6/1.50 mg/l	7
3	Categorical-Daily	08/11/16	Composite	Federal	City	Copper	25.6/3.38 mg/l	7
3	Categorical-Monthly	08/2016	Composite	Federal	City	Copper	5.33/2.07 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	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

411

Process Flow: 0.025629 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	
Second Quarter	
Third Quarter	<p>Advanced Circuits had three parameter violations for a Copper result of 25.6 mg/l on August 11, 2016. A NOV and AO will be issued in the 1st quarter of 2017.</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: Advotech

413

Process Flow: 0.001065 mgd

General Information and type of wastewater treatment	<p>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.</p> <p>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.</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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: APS

415

Process Flow: 0.07734 mgd

General Information and type of wastewater treatment	<p>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.</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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona Finishing

417

Process Flow: N/A

General Information and type of wastewater treatment	<p>Arizona Finishing was issued a wastewater discharge permit with an effective date of December 22, 2016 and as of December 31, 2016 has not begun manufacturing operations. Arizona Finishing is required to submit a BMR, RCRA to sewer notice, and Spill/Accidental Discharge Plan to the City of Tempe in the 1st quarter of 2017.</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**

418

NAME: Arizona Production & Packaging		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 7303 South Kyrene Road Tempe, AZ 85283		MAILING ADDRESS: 7303 South Kyrene Road Tempe, AZ 85283		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: T-A	BMR SUBMITTED: 03/10/2004	
TTO CERTIFICATION DATE SUBMITTED: 08/19/2016		PERMIT EFFECTIVE: 07/01/2014	PERMIT EXPIRES: 06/30/2018	
SAMPLING LOCATION VERIFIED ON: 12/20/2016		RCRA NOTICE: 11/16/2004		
SLUG CONTROL PLAN EVALUATION DATE: 01/29/2015				
	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	3	4	3	3
Number of IU Sampling Days	0	0	0	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	I
Evaluated as of:	3/31/2016	6/30/2016	9/30/2016	12/31/2016

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	Instantaneous	10/21/2016	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			E	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: Arizona Production & Packaging

419

Process Flow: 0.159943 mgd

General Information and type of wastewater treatment	<p>APP bottles both vitamin and herbal dietary supplements.</p> <p>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.</p>
First Quarter	<p>As a result of a November 2015 hearing to show cause, a Consent Order ("CO") was issued in first quarter 2016 for a series of monthly pH excursions throughout 2015. The CO offers conditional reimbursement of administrative fines assessed in an amount up to \$126,250. A reimbursement of \$63,125 was issued in first quarter 2016.</p>
Second Quarter	
Third Quarter	
Fourth Quarter	<p>AZ Pack had a pH excursion on October 21, 2016. NOV/AO will be issued first quarter 2017.</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 State University

421

Process Flow: 1.2 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 three 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Arizona State University Macro Technology Works

423

Process Flow: 0.1907 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Coxreels, Inc

425

Process Flow: 0.005 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).</p> <p>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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

427

Company Name: Foresight Finishing LLC

Process Flow: 0.006846 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Gorilla Industrial Coatings LLC

429

Process Flow: 0.0031 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	
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: Group Manufacturing

431

Process Flow: 0.0029 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Honeywell International, Inc.

433

Process Flow: 0.2128 mgd

General Information and type of wastewater treatment	
<p>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.</p> <p>Pretreatment includes metal precipitation, cyanide oxidization, chromium (+6) reduction, 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: HSIO Circuit Technologies

435

Process Flow: 0.052 mgd

General Information and type of wastewater treatment	
HSIO Circuit Technologies 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	
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**

436

NAME: L-3 Communications Corporation ETO		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 07/03/1984	
TTO CERTIFICATION DATE SUBMITTED: 07/25/2016		PERMIT EFFECTIVE: 08/01/2015	PERMIT EXPIRES: 07/31/2019	
SAMPLING LOCATION VERIFIED ON: 06/28/2016		RCRA NOTICE: 12/18/1998		
SLUG CONTROL PLAN EVALUATION DATE: 08/21/2015				
	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	12	12	0	12
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	2	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:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Instantaneous	03/2016	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
1	Instantaneous	03/2016	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
2	Instantaneous	04/2016	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
2	Instantaneous	05/2016	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
3	Instantaneous	07/2016	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	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: L-3 Communications Corporation ETO
 Process Flow: 0.0635 mgd

General Information and type of wastewater treatment	<p>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.</p> <p>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.</p>
First Quarter	<p>L-3 Communications Corporation ETO had pH violations at the North and South Site in March 2016. An NOV and AO will be issued to L-3 Communications Corporation ETO in the 1st quarter of 2017.</p>
Second Quarter	<p>L-3 Communications Corporation ETO had pH violations at the South Site in April 2016 and North Site in May 2016. An NOV and AO will be issued to L-3 Communications Corporation ETO for the April 2016 and May 2016 violations in the 1st quarter of 2017.</p>
Third Quarter	<p>L-3 Communications Corporation ETO had pH violations at the South Site in July 2016. An NOV and AO will be issued to L-3 Communications Corporation ETO in the 1st quarter of 2017.</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: Lawrence Semiconductor Research Laboratory

439

Process Flow: 0.0293 mgd

General Information and type of wastewater treatment	<p>Lawrence Semiconductor is a manufacturer of semiconductors dealing with vapor deposition equipment as described under 40 CFR 469 A.</p> <p>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.</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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Medtronic Microelectronics Center

441

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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Microchip Technology Inc.

443

Process Flow: 0.795567 mgd

General Information and type of wastewater treatment	<p>Microchip manufactures semiconductor devices regulated under 40 CFR 469.18 PSNS.</p> <p>Pretreatment consists of pH neutralization, using either sulfuric acid or sodium hydroxide.</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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Nalco Cal Water LLC

445

Process Flow: 0.000009 mgd

General Information and type of wastewater treatment	<p>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</p> <p>Pretreatment is pH adjustment prior to discharge to 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

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

446

NAME: PanJit Americas , Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
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: 02/04/1994	
TTO CERTIFICATION DATE SUBMITTED: 08/18/2016		PERMIT EFFECTIVE: 03/05/2015	PERMIT EXPIRES: 03/19/2019	
SAMPLING LOCATION VERIFIED ON: 12/17/2015		RCRA NOTICE: 01/08/1994		
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	1	0	1	1
Number of City Sampling Days	6	6	6	5
Number of IU Sampling Days	0	0	0	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	I
Evaluated as of:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Instantaneous	10/13/16	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		

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.

447

Process Flow: 0.0395 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	
Third Quarter	
Fourth Quarter	<p>PanJit was issued a NOV with no monetary penalties for violating the pH policy during October 2016. PanJit has ceased all process operations in fourth quarter 2016. Their Industrial Discharge Permit will remain active until such time as all process equipment is removed from the property.</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: Phoenix Coca-Cola Bottling Co

449

Process Flow: 0.12394 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Photo Design Of Arizona

451

Process Flow: 0.00088 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Precision Die & Stamping

453

Process Flow: 0.00069 mgd

General Information and type of wastewater treatment	<p>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).</p> <p>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.</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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: Precision Powdercoat

455

Process Flow: 0.005185 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

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

456

NAME: Safeway Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 1115 West Alameda Drive Tempe, AZ 85282		MAILING ADDRESS: 1115 West Alameda Drive Tempe, AZ 85282		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: T-A	BMR SUBMITTED: 06/30/1982	
TTO CERTIFICATION DATE SUBMITTED: 7/21/2016		PERMIT EFFECTIVE: 01/29/2015	PERMIT EXPIRES: 02/14/2019	
SAMPLING LOCATION VERIFIED ON: 12/15/2016		RCRA NOTICE: 05/12/1993		
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	3	2	3	3
Number of IU Sampling Days	0	0	0	0
Number of Parameter Violations	2	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:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Instantaneous	2/18/2016	N/A	City	IU	pH	<5.0 or >10.5 S.U.	Continuous
1	Instantaneous	2/25/2016	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	E, 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: Safeway Inc.

457

Process Flow: 0.101569 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>In addition to pH, pretreatment includes solids removal interceptors and Best Management Practices. The average discharge is 50,000 gpd.</p>
First Quarter	<p>Safeway had a pH excursion on February 18, 2016 and February 25, 2016. NOV/AO with fines will be issued third quarter 2016.</p>
Second Quarter	
Third Quarter	<p>NOV/AO and fine was issued for pH excursions occurring in first quarter 2016.</p>
Fourth Quarter	<p>Safeway entered into a conditional Pretreatment Settlement Agreement with the City in the fourth quarter 2016, which outlined terms of by which if a return to full compliance is achieved, Safeway will be eligible to recover administrative penalty fines assessed for violations that occurred between January 2015 and February 2016 in the amount of \$55,000.00.</p>

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

Penalties this reporting Year: Assessed \$ 5000.00 Collected \$ 5000.00

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

458

NAME: Schreiber Foods Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2122 South Hardy Drive Tempe, AZ 85282		MAILING ADDRESS: 2122 South Hardy Drive Tempe, AZ 85282		
CATEGORICAL USER?	No	40 CFR	Local Limits	LIMITS APPENDIX: T-A
TTO CERTIFICATION DATE SUBMITTED: 7/25/2016		PERMIT EFFECTIVE: 01/15/2015		PERMIT EXPIRES: 01/14/2019
SAMPLING LOCATION VERIFIED ON: 12/14/2016		RCRA NOTICE: 06/23/1993		
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	1	0	1
Number of City Sampling Days	11	12	13	14
Number of IU Sampling Days	91	91	92	92
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:	3/31/2016	6/30/2016	9/30/2016	12/31/2016

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	Instantaneous	1/2016	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	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: Schreiber Foods Inc.

459

Process Flow: 0.2414900000000001 mgd

General Information and type of wastewater treatment	<p>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.</p> <p>pH is adjusted by a Carbon Dioxide (CO2) injection system into a 6000-gal. mixing vault prior to discharging to the sewer.</p>
First Quarter	<p>Schreiber violated the pH policy January 20th, 2016. Violation will be addressed second quarter 2016.</p>
Second Quarter	<p>Schreiber was issued one NOV/AO with no penalty on April 20th, 2016.</p>
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: Southwest Metal Finishing Inc.

461

Process Flow: 0.003125 mgd

General Information and type of wastewater treatment	
<p>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.</p> <p>Wastewater pretreatment is conducted through the use of a batch system, using chemical treatment for chromium, nickel removal, 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 No

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

ENFORCEMENT SUMMARY AND COMMENTS

Company Name: SRP K7GS

463

Process Flow: 0 mgd

General Information and type of wastewater treatment	<p>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.</p> <p>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.</p> <p>SRP currently discharges to Gila drain and is not discharging waste water to sewer at this time.</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 TEMPE
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

464

NAME: Sun Orchard, Inc		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 1198 West Fairmont Drive Tempe, AZ 85282		MAILING ADDRESS: 1198 West Fairmont Drive Tempe, AZ 85282		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: T-A	BMR SUBMITTED: 11/30/1990	
TTO CERTIFICATION DATE SUBMITTED: 07/21/2016		PERMIT EFFECTIVE: 04/26/2016	PERMIT EXPIRES: 04/25/2017	
SAMPLING LOCATION VERIFIED ON: 06/24/2016		RCRA NOTICE: 05/15/1993		
SLUG CONTROL PLAN EVALUATION DATE: 05/10/2016				
	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	1	0	0
Number of City Sampling Days	2	0	7	0
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	0	0
Compliance Status	C	C	I	C
Evaluated as of:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Local Limit	08/16/2016	Composite	City	City	4,4 - DDE	.00067 mg/l Prohibited	7
3	Instantaneous	08/2016	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	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: Sun Orchard, Inc

465

Process Flow: 0.033 mgd

General Information and type of wastewater treatment	<p>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</p> <p>Pretreatment consists of batch pH adjustment. Process solid waste consisting of citrus hulls and excess pulp is recycled into cattle feed.</p>
First Quarter	
Second Quarter	
Third Quarter	<p>Sun Orchard, LLC had pH violations in August 2016 and a parameter violation (4,4' - DDE .00067mg/l) on August 16, 2016. Sun Orchard, LLC will be issued an NOV and AO for each violation in the 1st quarter of 2017.</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
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

466

NAME: Tempe Campus SPV, LLC		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2100 East Elliot Road Tempe, AZ 85284		MAILING ADDRESS: 2701 East Camelback Road 185 Phoenix, AZ 85016		
CATEGORICAL USER? Yes	40 CFR 469.18	LIMITS APPENDIX: T-F	BMR SUBMITTED: 03/01/1983	
TTO CERTIFICATION DATE SUBMITTED: 08/24/2016	PERMIT EFFECTIVE: 04/25/2015	PERMIT EXPIRES: 04/24/2019		
SAMPLING LOCATION VERIFIED ON: 06/29/2016	RCRA NOTICE: 06/15/1993			
SLUG CONTROL PLAN EVALUATION DATE: 04/14/2014				
	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	0	1	0	0
Number of City Sampling Days	3	4	4	0
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:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Instantaneous	04/2016	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	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: Tempe Campus SPV, LLC
 Process Flow: 0.068 mgd

General Information and type of wastewater treatment	At Temoe Campus - NXP currently conducts research and development of electronic parts of integrated circuits. It also conducts failure analysis of electronic parts of integrated circuits.
First Quarter	
Second Quarter	Tempe Campus SPV, LLC had pH violations in April 2016. Tempe Campus SPV, LLC will be issued an NOV and AO in the 1st quarter of 2017.
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: Trion Technology Inc

469

Process Flow: 0.002216 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 No

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

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

470

NAME: United Dairymen of Arizona		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 2008 South Hardy Drive Tempe, AZ 85282		MAILING ADDRESS: P.O. Box 26877 Tempe, AZ 85285-6877		
CATEGORICAL USER? No	40 CFR Local Limits	LIMITS APPENDIX: T-A	BMR SUBMITTED: 07/30/1982	
TTO CERTIFICATION DATE SUBMITTED: 7/26/2016		PERMIT EFFECTIVE: 09/25/2013	PERMIT EXPIRES: 09/24/2017	
SAMPLING LOCATION VERIFIED ON: 12/05/2016		RCRA NOTICE: 07/12/1993		
SLUG CONTROL PLAN EVALUATION DATE: 01/22/2014				
	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	0	1	0	1
Number of City Sampling Days	11	12	12	13
Number of IU Sampling Days	91	91	92	92
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:	03/31/2016	06/30/2016	09/30/2016	12/31/2016

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	Instantaneous	6/13/2016	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: United Dairymen of Arizona
 Process Flow: 1.536 mgd

471

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	<p>UDA violated the pH policy during December 2015. Violation was addressed and penalty of \$2,500 assessed this quarter.</p>
Second Quarter	<p>UDA violated pH policy during June 2016. Violation will be addressed during the third quarter of 2016.</p>
Third Quarter	<p>UDA was issued one NOV/AO with the penalty of \$3,750.00 for violating pH June 2016.</p>
Fourth Quarter	

To be published for this year in newspaper for Significant Non-Compliance? Yes No
 Penalties this reporting Year: Assessed \$ 6,250 Collected \$ 6,250

SECTION 2.6
TOWN OF GILBERT

POTW PRETREATMENT ANNUAL REPORT

TOWN OF GILBERT, ARIZONA

NPDES Permit Holder: City of Phoenix, ArizonaPeriod Covered by this Report: 01/01/2016 through 12/31/2016Name of Wastewater Treatment Plant: 91st Avenue Wastewater Treatment PlantNPDES Permit Number: AZ0020524

Person to Contact Concerning Town of Gilbert Information Contained in the Report:

Edward Meza
 Pretreatment Program Coordinator
 900 E. Juniper 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.

2/2/17

Date:

Jessica L Marlow

Jessica Marlow
 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: 01/01/2016 to 12/31/2016

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 1,040 new business licenses processed during the 2016 reporting period. Of these 255 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 45 industrial user inspections and 44 Storm Water Inspections conducted in 2016. The Town also conducted 14 sampling events over 44 days and 13 flow studies over 216 days. At the end of 2016 there were 157 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 1,341 commercial inspections, and 1,341 storm water inspections conducted in 2016.

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 continued Remote Inspector Training.

All personnel attended Electrical Safety Training.

All personnel attended in house Storm Water Training.

PPC attended SWOT (Strengths, Weakness, Opportunity, Threats) Analysis Training.

PPC attended continued Situational Leadership Module Training.

PPC and 2 WWQI attended Western States Environmental Enforcement Seminar.

IPI and WWQI attended Work Zone safety & Flagger refresher training.

3 WWQI are attending Phoenix Compliance Academy.

2 WWQI completed Blood Bourne Pathogens, Fire Extinguishers, and Global Alarm Systems Training.

WWQI attended Tri-State conference.

WWQI is on the Wastewater Safety Division Committee.

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: 01/01/2016 to 12/31/2016

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, 2016 – December 31, 2016 – Total Pretreatment Expenditures \$ 530,985

PRETREATMENT PROGRAM PERSONNEL		
<u>Title</u>	<u>FTEs 2015</u>	<u>FTEs 2016</u>
Pretreatment Program Coordinator	1	1
Industrial Pretreatment Inspector	1	1
Wastewater Quality Inspector	4	4

PRETREATMENT PROGRAM EXPENDITURES	
Personnel	\$ 447,180
Analytical Laboratory Services	\$ 11,000
Vehicle Operations & Maintenance	\$ 16,150
Training/Tuition	\$ 3,400
Program Operations & Maintenance	\$ 53,255

PRETREATMENT EQUIPMENT INVENTORY		
<u>Equipment Name</u>	<u>Purchased 2016</u>	<u>Total 2016</u>
Samplers	1	4
Flow Meters & Modules	0	6
pH Meters	0	2
Vehicles	0	6
Computers (Laptops)	2(0)	6(7)

**TOWN OF GILBERT
LIST OF SIGNIFICANT INDUSTRIAL USERS AS OF 12/31/2016**

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 2016:

No changes in 2016.

DELETIONS

The following Significant Industrial Users have ceased operations in 2016:

No changes in 2016.

RECLASSIFICATIONS

The following Significant Industrial Users have been reclassified in 2016:

No changes in 2016.

NAME CHANGES

The following Significant Industrial Users changed their names in 2016:

No changes in 2016.

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, 2016			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	3	100	5	71
2. No. of SIUs in Inconsistent Compliance	2	50	0	0	2	29
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	2		0		2	
III. Compliance Monitoring Program						
	Categorical		Non-categorical		Total SIUs	
1. No. of Control Documents Issued	1		1		2	
2. No. of Nonsampling Inspections Conducted	6		5		11	
3. No. of Facilities Inspected (Nonsampling)	4		3		7	
4. No. of Sampling Visits Conducted	13		11		24	
5. No. of Facilities Sampled	4		3		7	
IV. Enforcement Actions						
	Categorical		Non-categorical		Total SIUs	
1. Notices of Violations Issued to SIUs	2		0		2	
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: Banner Gateway Medical Center

485

Process Flow: 115,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	
Banner Gateway Medical Center is a hospital which operations include Cooling Tower, Boiler Feed, Humidification, Plaster Trap, Acid Waste Neutralization, Grease Interceptor, and Other Hospital Operations and Associated Rinses.	
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

**TOWN OF GILBERT
SIGNIFICANT INDUSTRIAL USER COMPLIANCE STATUS REPORT**

486

NAME: First Impressions Security Doors, Inc.		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 1235 West Harwell Road Gilbert, Arizona 85233		MAILING ADDRESS: 1415 North Mondel Drive Gilbert, Arizona 85233-1209		
CATEGORICAL USER? Yes	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED 02-06-2013	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 01-01-2015	PERMIT EXPIRES: 12-31-2017	
SAMPLING LOCATION VERIFIED ON: 11-22-16		RCRA NOTICE: 2-12-15		
SLUG CONTROL PLAN EVALUATION DATE: 11-22-16				
	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	3	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	1	0
Compliance Status	C	C	I	C
Evaluated as of:	1-30-17	1-30-17	1-30-17	1-30-17

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	Permit Condition	8-30-16	Grab	City	IU	pH	5.0 – 10.5 S.U.	69
			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 | 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: First Impressions Security Doors, Inc.

487

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	8-30-16 A Notice of Violation (NOV) was issued for the Permit Condition Violation on 7-31-16 pH measurement not taken. Due to a change in personnel, 4 pH measurements were missed. This NOV was satisfactorily completed 9-30-16.
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: Heliae Development, LLC

489

Process Flow: 65,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	
Heliae is in the production of 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	

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: Herbally Yours, Inc.

Process Flow: 2,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	
Herbally Yours Inc. performs Mixing, Compounding, and Formulation operations of 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**

492

NAME: Innovative Circuits Arizona		REPORT PERIOD: 01/01/2016 through 12/31/2016		
SERVICE ADDRESS: 130 North Pasadena Street Gilbert, Arizona 85234-5038		MAILING ADDRESS: Same		
CATEGORICAL USER? No	40 CFR 433.17	LIMITS APPENDIX: E	BMR SUBMITTED 4-27-15	
TTO CERTIFICATION DATE SUBMITTED: N/A		PERMIT EFFECTIVE: 04-01-2014	PERMIT EXPIRES: 12-31-2017	
SAMPLING LOCATION VERIFIED ON: 10-20-16		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	0	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:	1-30-17	1-30-17	1-30-17	1-30-17

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	6-30-16	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

493

Process Flow: 400 GPD Average Daily Discharge

General Information and type of wastewater treatment	Population and cleaning of circuit boards. Resin column filtration for metallic. Zero Discharge Conformal Coating.
First Quarter	
Second Quarter	
Third Quarter	8-29-16 A Notice of Violation (NOV) was issued for the Permit Condition Violation on 6-30-16 Failure to Sample Lead. This NOV was satisfactorily completed on 9-30-16.
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

495

Process Flow: 85,000 GPD Average Daily Discharge

General Information and type of wastewater treatment	
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.	
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: Unique Home Designs, Inc.

497

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	

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

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