INDUSTRIAL PRETREATMENT PROGRAM

2018 Annual Report

ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers

Nick Fish, Commissioner | Michael Jordan, Director

TABLE OF CONTENTS

ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers

2018 Pretreatment Program Report Summary

The City of Portland (City) is required to submit an annual report to the Department of Environmental Quality (DEQ) outlining the City's activities to implement its approved Industrial Pretreatment Program. The annual report is required by General Pretreatment Regulation 40 CFR 403.12(i) and Schedule E of the City's National Pollutant Discharge Elimination System (NPDES) permit #101505 for the Columbia Boulevard Wastewater Treatment Plant.

The purpose of the annual report is to assist DEQ in determining whether approved pretreatment programs in the State of Oregon are properly implemented. The report format, required technical information, and guidance document were developed by DEQ to assist program coordinators in the preparation.

This report contains thirteen forms that present the required information on program implementation activities:

Form 1
General information on the City's publicly owned treatment works (POTW) such as address, phone number, name of pretreatment coordinator, and NPDES permit information. This form also requires a signature of the public official responsible for implementing the approved POTW pretreatment program. The signatory authorization pursuant to 40 CFR 403.12(m).

Form 2
Information on any proposed changes to the approved program procedures, modifications approved by DEQ in 2018, responses to pretreatment compliance inspections or audits, and noteworthy pretreatment activities accomplished in 2018.

Form 3
Summary of the wastewater treatment plant toxic and non-conventional pollutant monitoring data collected for 2018. Testing requirements for influent, effluent, and biosolids are contained in the NPDES permit issued to the Columbia Boulevard Wastewater Treatment Plant (CBWTP).

Form 4
Technical analysis to determine if any local limits need to be re-evaluated for water quality by comparing actual headworks loading to the current local limits. Analysis includes plant monitoring information contained in *Form 3* to assess any exceedance in maximum allowable headworks loading (MAHL). Details must be provided for values that exceed 90% of the MAHL for any local limit.

Form 5
Requires the City to identify all instances of treatment plant upsets that occurred in 2018 as the direct or indirect result of a non-domestic discharge. Each event must be documented along with any actions taken to identify the source and prevent future occurrences.

Form 6
Lists all permitted industrial users (IU) regulated by the pretreatment program, as well as their respective Standard Industrial Classification (SIC) code(s), and applicable federal categorical standards. Includes all Significant Industrial Users (SIU) that discharge process wastewater, and all users subject to categorical pretreatment standards (discharging or non-discharging) connected to the City POTW.

Form 6A
Lists new non-domestic users of interest surveyed during 2018 that may discharge process wastewater to the POTW. Form 6A identifies industries that may require an industrial wastewater discharge permit.

Form 7
Summary of compliance activities performed by the City in 2018. The form includes permit expiration dates, monitoring activities conducted on each SIU (inspections, City sampling and testing, and self-monitoring), as well as identify SIUs under Significant Non-Compliance (SNC) during any calendar quarter for 2018.

Form 8
A summary of SIUs that violated any pretreatment standards or requirements in 2018. The summary identifies the SIU, date and nature of each violation, City enforcement action for each violation, and date the SIU returned to compliance.

Form 9
Summarizes the resources (staffing and budget) dedicated to implementing its approved pretreatment program in 2018 and the estimated resources for 2019.

Form 10
Provides an overview of the City's 2018 performance efforts to implement its approved program. The forty-four questions cover all aspects of the program and provide DEQ with sufficient information to identify program deficiencies that may need review during DEQ's annual pretreatment compliance inspection (PCI) or program audit.

Form 11
Provides background information on the City's wastewater treatment system including plant flow, sewerage collection system, industrial contribution, receiving streams and biosolids disposal.

Form 12
Provides information on the City's nine inter-governmental agreements regarding implementation of the approved pretreatment program elements (permitting, monitoring, enforcement, etc.) in contributing jurisdictions.

Form 13
Summarizes the data elements required by the Environmental Protection Agency (EPA) to aid in efficient reporting by DEQ and state pretreatment programs. This form identifies and provides electronic links to relevant form and question numbers for easy reference.

ACRONYMS

AHL	Allowable Headworks Loading
ASPP	Accidental Spill Prevention Plan
AVG	Average
BMR	Baseline Monitoring Report
BOD	Biochemical Oxygen Demand
BS	Biosolids
CBWTP	Columbia Blvd. Wastewater Treatment Plant
CFR	Code of Federal Regulation
CIU	Categorical Industrial User
CLEFDRY	Secondary Chlorinated Effluent
CMT	Comments
CO	Compliance Order
Conc	Concentration
DEQ	Department of Environmental Quality
EFFWET	Wet Weather Chlorinated Effluent
EPA	Environmental Protection Agency
ERP	Enforcement Response Plan
FY	Fiscal Year
HQ	High Quality
IGA	Intergovernmental Agreement
IU	Industrial User
IWS	Industrial Waste Survey
kg	Kilogram
l	Liter
Lbs.	Pounds
MAHL	Maximum Allowable Headworks Loading
Max	Maximum
µg	Micrograms
mg	Milligrams
MGD	Million Gallons per Day
Min	Minimum
MO	Month
MOU	Memorandum of Understanding
MRL	Method Reporting Limit
N/A	Not Applicable
N.A.	Test value Non-Applicable in calculation
NDCIU	Non-discharging Categorical Industrial User
NOV/CO	Notice of Violation/Compliance Order

NPDES	National Pollutant Discharge Elimination System
NR	Not Required
NT	Notice of Termination
PI	Process Inhibition
PM	Permit Manager
POC	Pollutant of Concern
POTW	Publicly Owned Treatment Works
PW	Permit Writer
QA/QC	Quality Assurance/Quality Control
SIC	Standard Industrial Classification
SIU	Significant Industrial User
SM	Standard Methods
SNC	Significant Non-compliance
SOP	Standard Operating Procedure
SUO	Sewer Use Ordinance
TCLP	Toxicity Characteristic Leaching Procedure
TSS	Total Suspended Solids
TTO	Total Toxic Organics
WN	Warning Notice
WPCL	Water Pollution Control Laboratory
WQ	Water Quality
Yr	Year

Form 1

Industrial Pretreatment Program

Cover Sheet

Form 1 – Cover Sheet

Control Authority Name:	City of Portland
Treatment Plant Name:	Columbia Boulevard Wastewater Treatment Plant
Facility Address:	5001 N. Columbia Blvd. Portland, Oregon 97203
EPA Reference Number	OR 002690-5
Permit Number:	DEQ 101505 Expiration Date: *06/30/2016
Population Served:	630,000
Pretreatment Contact:	Dan Parnell
Title:	Industrial Permitting Section Manager
Address:	Water Pollution Control Laboratory 6543 N. Burlington Ave. Portland, Oregon 97203
Telephone:	(503) 823-7568
Fax:	(503) 823-5559
E-mail:	Dan.Parnell@PortlandOregon.gov

***Administratively Extended**

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

Marveita Redding — 3/13/19

POTW Authorized Signatory — Date

Marveita Redding
Pollution Prevention Services Manager
Bureau of Environmental Services
City of Portland

Form 2

Industrial Pretreatment Program

Program Update

Form 2 – Program Update

1. Approval Date of Original Pretreatment Program and Date Incorporated into NPDES Permit: **The City of Portland's pretreatment program was approved by DEQ on March 3, 1983.**

2. Program Materials Under Development (Date Planned for Submission): **None**

3. Program Materials Submitted for Review/Approval (Date Submitted): **N/A**

4. Program Materials Approved Since Original Pretreatment Program Approval:

Date Approved	Description of Modification	Date Incorporated into NPDES Permit
05/07/1992 – DEQ 12/18/1992 – EPA	Revised pretreatment program implementation manual in response to an EPA administrative order	11/26/1997
05/24/1993	Revised Industrial User fact sheet procedure	11/26/1997
07/14/1993	Revised Industrial User classification procedure	11/26/1997
07/14/1993	Revised Industrial User monitoring frequency procedure	11/26/1997
09/18/1998	Revised local limits	10/14/1998
03/22/1999	Revised program procedures I-4, 5, 9, 13, 14, and 17	05/27/1999
07/20/1999	New inter-governmental pretreatment agreement between Portland and Unified Sewerage Agency (Clean Water Services Agency)	07/01/2011
10/27/1999	Revised procedure I-4.1	10/28/1999
04/18/2001	New inter-governmental pretreatment agreement between Portland and Clackamas County	09/19/2002
12/05/2001	Revised inter-governmental pretreatment agreement between Portland and the City of Gresham	08/05/2002
11/12/2003	New inter-governmental pretreatment agreement between Portland and Multnomah County to replace MOU with the former West Hills Improvement District	07/01/2011
11/12/2003	New inter-governmental pretreatment agreement between Portland and Dunthorpe-Riverdale Improvement District to replace MOU	07/01/2011
06/02/2004	Removed dissolved sulfide as a local limit	07/01/2011
11/13/2007	Revised inter-governmental pretreatment agreement between Portland and Clackamas County Water Environment Services	07/01/2011
11/16/2012	Revised pretreatment program implementation manual in response to 2005 EPA Streamlining Rules	11/16/2012

Date Approved	Description of Modification	Date Incorporated into NPDES Permit
11/16/2012	Revised Chapter 17.34 of the City Code and Administrative Rules in response to 2005 EPA Streamlining Rules	11/16/2012
03/25/2013 (Approval by Default)	Revised inter-governmental pretreatment agreement between Portland and Clean Water Services	03/25/2013 (Incorporation by Default)
05/29/2013	Revised Chapter 17.34 of City Code and associated administrative Rules ENB-4.03 and 4.15	05/29/2013
06/27/2013	Local Limits Technical Evaluation	06/27/2013
07/08/2013	City of Portland new Enforcement Response Plan	07/08/2013
6/14/2016	City of Portland adopts revised local limits	6/14/2016

5. Date the Program was Last Audited by DEQ: **September 27 – 30, 2010**

6. Local Limits Summary

Pollutant	Local Limit (LL)	Most Recent LL Technical Evaluation	Date of Most Recent LL Adoption
Arsenic	0.20 mg/L	January 29th, 2016	June 14th, 2016
Cadmium	0.70 mg/L		
Chromium	3.53 mg/L		
Copper	2.80 mg/L		
Lead	0.70 mg/L		
Mercury	0.010 mg/L		
Molybdenum	1.40 mg/L		
Nickel	2.80 mg/L		
Selenium	0.60 mg/L		
Silver	0.40 mg/L		
Zinc	3.70 mg/L		
Cyanide	1.20 mg/L		
Non-polar Oil & Grease	100 mg/L		
pH	5.0 – 11.5 SU		
Pentachorophenol	0.04 mg/L		
Chlorobenzene	0.20 mg/L		
Chloroform	0.20 mg/L		
Trichloroethylene	0.20 mg/L		
1,2-dichloroethane	0.50 mg/L		
2,4-dinitrotoluene	0.13 mg/L		
Nitrobenzene	2.00 mg/L		
Chlordane	0.03 mg/L		
Acrylonitrile	1.00 mg/L		

7. Additional Noteworthy Pretreatment Activities/Accomplishments:

- During 2018, staff participated in the 23rd Annual Pacific Northwest Pretreatment Workshop. Portland's pretreatment personnel also attended the Annual Clackamas Community College Water Environment School.

- During 2018, the City of Portland continues to implement its Alternative Discharge Control Mechanism (ADCM), Construction De-watering, and Batch Discharge programs. These programs in conjunction with the core Pretreatment Program ensure that Portland's sewer system is protected from discharging industries, permitted as well as non-permitted.

- The City of Portland continues to comply with the Dental Office Point Source Category, 40 CFR Part 441, and implements procedures to identify new dental offices that place or remove mercury-containing amalgam. Dental offices identified as new sources, those who commenced regulated activity after July 14th 2017, are issued an Initial *Dental Practice Compliance Certification*, containing best management practices (BMPs).

- In 2018, the City implemented the Craft Fermented Beverage Discharge Authorization Program. This program requires over 80 businesses that produce beverages through the fermentation process to implement best management practices to prevent prohibited discharges of wastewater.

- Industrial User Award Ceremony – Since 1993, the City of Portland has conducted a Pretreatment Annual Industrial User Award Ceremony. Industries permitted under the City's Industrial Pretreatment Program with exemplary compliance history are honored.

Form 3

Industrial Pretreatment Program

Treatment Plant Monitoring

Form 3 - Comments

1. All sampling and testing were conducted using 40 CFR Part 136 for wastewater, 40 CFR Part 503 for biosolids or other methods approved by EPA or DEQ.

2. "<" indicates pollutant concentration is below the analytical method reporting limit (MRL).

3. "NA" indicates that, because influent and/or effluent pollutant concentrations are below the MRL, treatment process removal rates were not calculated.

4. "O" indicates a negative removal rate (expressed as percent removal). Negative removal rates may be related to the differences in headworks and effluent sampling intervals. Sampling is not staggered to accommodate the amount of time required for treatment. Also, the very low MRLs may also contribute to the anomalies. For the Wet Weather Treatment facility, variable hydraulic loadings may cause negative removal rates.

   Higher levels of cyanide may be observed in wastewater effluent than in the influent due to interferences in the analytical procedure from the chlorination process.

5. In 2018, Pretreatment program monitoring, required under Schedule B 1 (c) of the City's NPDES permit for the Columbia Boulevard Wastewater Treatment Plant was not completed according to the schedule in the following instances.

   - Wet Weather Chlorinated Effluent was not monitored for volatile nor semi-volatile organics in the third quarter. During the third quarter, there were only two rain events that generated enough stormwater to pass through the wet weather treatment train. However, samples were not obtained for organics analysis.

     The Pretreatment program is working with CBWTP and laboratory staff to ensure all required analytes are obtained during those times of the year that experience infrequent rainfall.

*Note 3.A Section 3 (CBWTP Wet Weather Treatment Process): Percent removal is only calculated when influent and effluent samples are available for the same day. There were no corresponding influent/effluent sample events in 2018 to generate the data needed for this calculation.

Form 3
Part A

Industrial Pretreatment Program

Influent & Effluent Data

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Arsenic Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	1.09	0.762	30.1	
01/12/18	Fri	104	116	1.12			
01/20/18	Sat	71	75	2.34*			
01/24/18	Wed	234	133	0.924			
01/29/18	Mon	135	97	1.01			
02/06/18	Tue	62	67	1.06	0.740	30.2	
02/14/18	Wed	89	98	1.40			
02/22/18	Thu	84	91	1.04			
03/02/18	Fri	68	74	1.05	0.847	19.3	
03/10/18	Sat	58	64	0.938			
03/11/18	Sun	56	62	0.959			
03/19/18	Mon	59	64	1.31			
03/27/18	Tue	68	74	0.822			
04/04/18	Wed	63	67	0.877	0.655	25.3	
04/12/18	Thu	112	118	1.98			
04/20/18	Fri	67	71	1.53			
04/28/18	Sat	85	70	1.60			
04/29/18	Sun	76	85	1.23			
05/07/18	Mon	57	61	0.995	0.675	32.2	
05/15/18	Tue	56	55	1.00			
05/23/18	Wed	58	59	1.01			
05/31/18	Thu	58	63	1.44			
06/08/18	Fri	65	67	1.72	0.862	49.9	
06/16/18	Sat	53	53	1.14			
06/17/18	Sun	69	57	1.72			
06/25/18	Mon	53	57	1.18			
07/05/18	Thu	50	54	1.55			
07/11/18	Wed	53	57	1.63	0.872	46.5	
07/19/18	Thu	51	55	1.22	0.819	32.9	
07/28/18	Sat	49	53	0.901			
07/29/18	Sun	48	52	1.03			
08/06/18	Mon	53	54	1.13	0.647	42.7	
08/14/18	Tue	52	55	1.37			
08/22/18	Wed	53	54	1.18			
08/30/18	Thu	50	52	1.22			
09/07/18	Fri	50	55	1.27	0.880	30.7	
09/15/18	Sat	49	52	1.43			
09/16/18	Sun	77	77	1.80			
09/24/18	Mon	49	54	1.43			
10/01/18	Mon	50	54	1.33	0.802	39.7	
10/09/18	Tue	52	56	1.33			
10/17/18	Wed	50	53	1.35			
10/25/18	Thu	85	81	1.50			
11/02/18	Fri	67	74	1.12	0.806	28.0	
11/03/18	Sat	50	55	0.904			
11/11/18	Sun	48	52	0.724			
11/19/18	Mon	51	53	0.911			
11/27/18	Tue	166	111	1.14			
12/05/18	Wed	53	57	1.16	0.845	27.2	
12/15/18	Sat	51	56	0.973			
12/21/18	Fri	59	68	0.921			
12/22/18	Sat	98	72	1.09			
12/30/18	Sun	124	102	0.787			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Cadmium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	0.237	<0.100	NA	
01/12/18	Fri	104	116	0.207			
01/20/18	Sat	71	75	0.663*			
01/24/18	Wed	234	133	0.189			
01/29/18	Mon	135	97	0.234			
02/06/18	Tue	62	67	0.280	<0.100	NA	
02/14/18	Wed	89	98	0.391			
02/22/18	Thu	84	91	0.220			
03/02/18	Fri	68	74	0.212	<0.111	NA	
03/10/18	Sat	58	64	0.213			
03/11/18	Sun	56	62	0.206			
03/19/18	Mon	59	64	0.408			
03/27/18	Tue	68	74	0.256			
04/04/18	Wed	63	67	0.394	<0.200	NA	
04/12/18	Thu	112	118	0.353			
04/20/18	Fri	67	71	0.429			
04/28/18	Sat	85	70	0.395			
04/29/18	Sun	76	85	0.210			
05/07/18	Mon	57	61	0.373	<0.100	NA	
05/15/18	Tue	56	55	0.369			
05/23/18	Wed	58	59	0.269			
05/31/18	Thu	58	63	0.566			
06/08/18	Fri	65	67	0.512	<0.100	NA	
06/16/18	Sat	53	53	0.244			
06/17/18	Sun	69	57	0.415			
06/25/18	Mon	53	57	0.266			
07/05/18	Thu	50	54	0.332			
07/11/18	Wed	53	57	0.314	<0.100	NA	
07/19/18	Thu	51	55	0.470	<0.200	NA	
07/28/18	Sat	49	53	0.126			
07/29/18	Sun	48	52	0.190			
08/06/18	Mon	53	54	0.268	<0.100	NA	
08/14/18	Tue	52	55	0.339			
08/22/18	Wed	53	54	0.258			
08/30/18	Thu	50	52	0.428			
09/07/18	Fri	50	55	0.326	<0.100	NA	
09/15/18	Sat	49	52	0.291			
09/16/18	Sun	77	77	0.307			
09/24/18	Mon	49	54	0.498			
10/01/18	Mon	50	54	0.411	<0.100	NA	
10/09/18	Tue	52	56	0.315			
10/17/18	Wed	50	53	0.412			
10/25/18	Thu	85	81	0.435			
11/02/18	Fri	67	74	0.236	<0.200	NA	
11/03/18	Sat	50	55	<0.200			
11/11/18	Sun	48	52	<0.200			
11/19/18	Mon	51	53	0.238			
11/27/18	Tue	166	111	0.178			
12/05/18	Wed	53	57	0.272	<0.100	NA	
12/15/18	Sat	51	56	0.215			
12/21/18	Fri	59	68	0.285			
12/22/18	Sat	98	72	0.239			
12/30/18	Sun	124	102	0.146			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Chromium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	3.78	0.773	79.6	
01/12/18	Fri	104	116	3.65			
01/20/18	Sat	71	75	9.11*			
01/24/18	Wed	234	133	2.91			
01/29/18	Mon	135	97	3.94			
02/06/18	Tue	62	67	5.20	0.986	81.0	
02/14/18	Wed	89	98	6.55			
02/22/18	Thu	84	91	4.49			
03/02/18	Fri	68	74	3.71	1.03	72.2	
03/10/18	Sat	58	64	3.03*			
03/11/18	Sun	56	62	2.68*			
03/19/18	Mon	59	64	13.5			
03/27/18	Tue	68	74	6.23			
04/04/18	Wed	63	67	16.7	1.45	91.3	
04/12/18	Thu	112	118	5.42			
04/20/18	Fri	67	71	8.84			
04/28/18	Sat	85	70	9.94			
04/29/18	Sun	76	85	8.87			
05/07/18	Mon	57	61	7.94	0.958	87.9	
05/15/18	Tue	56	55	11.1			
05/23/18	Wed	58	59	6.97			
05/31/18	Thu	58	63	11.2			
06/08/18	Fri	65	67	9.70	1.38	85.8	
06/16/18	Sat	53	53	4.01			
06/17/18	Sun	69	57	8.61			
06/25/18	Mon	53	57	4.47			
07/05/18	Thu	50	54	8.93			
07/11/18	Wed	53	57	6.98	1.05	85.0	
07/19/18	Thu	51	55	11.3	0.917	91.9	
07/28/18	Sat	49	53	1.87			
07/29/18	Sun	48	52	2.84			
08/06/18	Mon	53	54	4.78	0.459	90.4	
08/14/18	Tue	52	55	5.00			
08/22/18	Wed	53	54	4.64			
08/30/18	Thu	50	52	3.91			
09/07/18	Fri	50	55	4.64	0.543	88.3	
09/15/18	Sat	49	52	6.36			
09/16/18	Sun	77	77	5.67			
09/24/18	Mon	49	54	7.45			
10/01/18	Mon	50	54	3.93	0.422	89.3	
10/09/18	Tue	52	56	3.91			
10/17/18	Wed	50	53	5.26			
10/25/18	Thu	85	81	5.70			
11/02/18	Fri	67	74	11.5	0.897	92.2	
11/03/18	Sat	50	55	3.27			
11/11/18	Sun	48	52	2.90			
11/19/18	Mon	51	53	3.59			
11/27/18	Tue	166	111	4.54			
12/05/18	Wed	53	57	4.75	0.785	83.5	
12/15/18	Sat	51	56	8.77			
12/21/18	Fri	59	68	3.81			
12/22/18	Sat	98	72	4.11			
12/30/18	Sun	124	102	2.36			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Copper Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	37.7	6.48	82.8	
01/12/18	Fri	104	116	33.8			
01/20/18	Sat	71	75	87.2*			
01/24/18	Wed	234	133	21.6			
01/29/18	Mon	135	97	29.7			
02/06/18	Tue	62	67	42.8	6.72	84.3	
02/14/18	Wed	89	98	46.6			
02/22/18	Thu	84	91	29.5			
03/02/18	Fri	68	74	33.3	9.64	71.1	
03/10/18	Sat	58	64	35.4			
03/11/18	Sun	56	62	34.9			
03/19/18	Mon	59	64	49.0			
03/27/18	Tue	68	74	38.6			
04/04/18	Wed	63	67	46.4*	6.53*	85.9	
04/12/18	Thu	112	118	36.9			
04/20/18	Fri	67	71	72.9			
04/28/18	Sat	85	70	50.5			
04/29/18	Sun	76	85	40.6			
05/07/18	Mon	57	61	56.4	9.96	82.3	
05/15/18	Tue	56	55	51.5			
05/23/18	Wed	58	59	49.8			
05/31/18	Thu	58	63	64.7			
06/08/18	Fri	65	67	73.7	6.17	91.6	
06/16/18	Sat	53	53	38.1			
06/17/18	Sun	69	57	51.1			
06/25/18	Mon	53	57	44.0			
07/05/18	Thu	50	54	56.3			
07/11/18	Wed	53	57	44.4	4.31	90.3	
07/19/18	Thu	51	55	55.6	4.78	91.4	
07/28/18	Sat	49	53	25.7			
07/29/18	Sun	48	52	49.9			
08/06/18	Mon	53	54	46.2	4.84	89.5	
08/14/18	Tue	52	55	46.5			
08/22/18	Wed	53	54	41.0			
08/30/18	Thu	50	52	47.4			
09/07/18	Fri	50	55	47.3	4.00	91.5	
09/15/18	Sat	49	52	47.1			
09/16/18	Sun	77	77	54.9			
09/24/18	Mon	49	54	61.1			
10/01/18	Mon	50	54	49.6	3.66	92.6	
10/09/18	Tue	52	56	49.9			
10/17/18	Wed	50	53	49.4			
10/25/18	Thu	85	81	53.9			
11/02/18	Fri	67	74	44.8	4.06	90.9	
11/03/18	Sat	50	55	29.1			
11/11/18	Sun	48	52	35.8			
11/19/18	Mon	51	53	50.9			
11/27/18	Tue	166	111	31.7			
12/05/18	Wed	53	57	46.8	6.03	87.1	
12/15/18	Sat	51	56	44.2			
12/21/18	Fri	59	68	49.2			
12/22/18	Sat	98	72	40.8			
12/30/18	Sun	124	102	16.5			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Lead Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	4.81	0.635	86.8	
01/12/18	Fri	104	116	4.98			
01/20/18	Sat	71	75	17.2*			
01/24/18	Wed	234	133	7.00			
01/29/18	Mon	135	97	7.35			
02/06/18	Tue	62	67	5.60	1.00	82.1	
02/14/18	Wed	89	98	10.5			
02/22/18	Thu	84	91	4.59			
03/02/18	Fri	68	74	3.76	0.798	78.8	
03/10/18	Sat	58	64	3.48			
03/11/18	Sun	56	62	3.35			
03/19/18	Mon	59	64	5.98			
03/27/18	Tue	68	74	3.69			
04/04/18	Wed	63	67	4.49	0.581	87.1	
04/12/18	Thu	112	118	8.99			
04/20/18	Fri	67	71	7.44			
04/28/18	Sat	85	70	17.1			
04/29/18	Sun	76	85	7.56			
05/07/18	Mon	57	61	4.60	0.533	88.4	
05/15/18	Tue	56	55	5.33			
05/23/18	Wed	58	59	4.72			
05/31/18	Thu	58	63	9.45			
06/08/18	Fri	65	67	13.7	0.532	96.1	
06/16/18	Sat	53	53	4.36			
06/17/18	Sun	69	57	16.7			
06/25/18	Mon	53	57	4.41			
07/05/18	Thu	50	54	5.05			
07/11/18	Wed	53	57	4.87	0.361	92.6	
07/19/18	Thu	51	55	5.19	0.350	93.3	
07/28/18	Sat	49	53	1.80			
07/29/18	Sun	48	52	3.99			
08/06/18	Mon	53	54	4.47	0.286	93.6	
08/14/18	Tue	52	55	6.22			
08/22/18	Wed	53	54	4.23			
08/30/18	Thu	50	52	9.57			
09/07/18	Fri	50	55	5.62	0.341	93.9	
09/15/18	Sat	49	52	8.65			
09/16/18	Sun	77	77	16.6			
09/24/18	Mon	49	54	7.20			
10/01/18	Mon	50	54	4.97	0.321	93.5	
10/09/18	Tue	52	56	5.87			
10/17/18	Wed	50	53	6.58			
10/25/18	Thu	85	81	9.84			
11/02/18	Fri	67	74	6.79	0.549	91.9	
11/03/18	Sat	50	55	2.92			
11/11/18	Sun	48	52	6.29			
11/19/18	Mon	51	53	4.74			
11/27/18	Tue	166	111	7.87			
12/05/18	Wed	53	57	4.06	0.477	88.3	
12/15/18	Sat	51	56	3.69			
12/21/18	Fri	59	68	4.30			
12/22/18	Sat	98	72	8.90			
12/30/18	Sun	124	102	4.09			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Mercury Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/12/18	Fri	104	116	0.0353			
01/20/18	Sat	71	75	0.0543			
01/24/18	Wed	234	133	0.0142			
01/29/18	Mon	135	97	0.0305			
02/06/18	Tue	62	67	0.0517	0.00643	87.6	
02/14/18	Wed	89	98	0.0676			
02/22/18	Thu	84	91	0.0689			
03/02/18	Fri	68	74	0.0591	0.0134	77.3	
03/10/18	Sat	58	64	0.0394			
03/11/18	Sun	56	62	0.0927			
03/19/18	Mon	59	64	0.0720			
03/27/18	Tue	68	74	0.0600			
04/04/18	Wed	63	67	0.0626	0.00728	88.4	
04/12/18	Thu	112	118	0.0658			
04/20/18	Fri	67	71	0.201			
04/28/18	Sat	85	70	0.0918			
04/29/18	Sun	76	85	0.124			
05/07/18	Mon	57	61	0.198	0.00615	96.9	
05/15/18	Tue	56	55	0.0679			
05/23/18	Wed	58	59	0.0594			
05/31/18	Thu	58	63	0.115			
06/08/18	Fri	65	67	0.210	0.00592	97.2	
06/16/18	Sat	53	53	0.101			
06/17/18	Sun	69	57	0.0827			
06/25/18	Mon	53	57	0.0595			
07/05/18	Thu	50	54	0.0795			
07/11/18	Wed	53	57	0.0647	0.00472	92.7	
07/19/18	Thu	51	55	0.0787	0.00439	94.4	
07/28/18	Sat	49	53	0.0335			
07/29/18	Sun	48	52	0.0381			
08/06/18	Mon	53	54	0.0454	0.00171	96.2	
08/14/18	Tue	52	55	0.0710			
08/22/18	Wed	53	54	0.0757			
08/30/18	Thu	50	52	0.147			
09/07/18	Fri	50	55	0.117	0.00452	96.1	
09/15/18	Sat	49	52	0.0660			
09/16/18	Sun	77	77	0.0985			
09/24/18	Mon	49	54	0.0708			
10/01/18	Mon	50	54	0.0668	0.00333	95.0	
10/09/18	Tue	52	56	0.0759			
10/17/18	Wed	50	53	0.262			
10/25/18	Thu	85	81	0.122			
11/02/18	Fri	67	74	0.0702	0.00437	93.8	
11/03/18	Sat	50	55	0.0527			
11/11/18	Sun	48	52	0.0441			
11/19/18	Mon	51	53	0.0635			
11/27/18	Tue	166	111	0.0462			
12/05/18	Wed	53	57	0.0611	0.00441	92.8	
12/15/18	Sat	51	56	0.102			
12/21/18	Fri	59	68	0.102			
12/22/18	Sat	98	72	0.0550			
12/30/18	Sun	124	102	0.0175			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Molybdenum Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	4.07	3.05	25.1	
01/12/18	Fri	104	116	3.13			
01/20/18	Sat	71	75	5.72*			
01/24/18	Wed	234	133	1.69			
01/29/18	Mon	135	97	2.70			
02/06/18	Tue	62	67	3.15	2.49	21.0	
02/14/18	Wed	89	98	4.06			
02/22/18	Thu	84	91	3.45			
03/02/18	Fri	68	74	4.24	2.57	39.4	
03/10/18	Sat	58	64	4.48			
03/11/18	Sun	56	62	13.0			
03/19/18	Mon	59	64	4.60			
03/27/18	Tue	68	74	3.34			
04/04/18	Wed	63	67	5.08	4.11	19.1	
04/12/18	Thu	112	118	2.76			
04/20/18	Fri	67	71	5.31			
04/28/18	Sat	85	70	3.15			
04/29/18	Sun	76	85	3.01			
05/07/18	Mon	57	61	5.68	2.35	58.6	
05/15/18	Tue	56	55	3.96			
05/23/18	Wed	58	59	3.83			
05/31/18	Thu	58	63	4.72			
06/08/18	Fri	65	67	4.24	2.63	38.0	
06/16/18	Sat	53	53	2.86			
06/17/18	Sun	69	57	2.63			
06/25/18	Mon	53	57	3.26			
07/05/18	Thu	50	54	5.52			
07/11/18	Wed	53	57	13.6	6.59	51.5	
07/19/18	Thu	51	55	4.07	2.54	37.6	
07/28/18	Sat	49	53	2.73			
07/29/18	Sun	48	52	2.72			
08/06/18	Mon	53	54	3.27	1.77	45.9	
08/14/18	Tue	52	55	3.98			
08/22/18	Wed	53	54	6.82			
08/30/18	Thu	50	52	5.63			
09/07/18	Fri	50	55	6.25	2.93	53.1	
09/15/18	Sat	49	52	10.8			
09/16/18	Sun	77	77	3.87			
09/24/18	Mon	49	54	11.4			
10/01/18	Mon	50	54	10.7	6.42	40.0	
10/09/18	Tue	52	56	6.03			
10/17/18	Wed	50	53	8.21			
10/25/18	Thu	85	81	5.42			
11/02/18	Fri	67	74	5.96	2.96	50.3	
11/03/18	Sat	50	55	7.34			
11/11/18	Sun	48	52	2.14			
11/19/18	Mon	51	53	4.96			
11/27/18	Tue	166	111	2.11			
12/05/18	Wed	53	57	4.09	2.81	31.3	
12/15/18	Sat	51	56	4.19			
12/21/18	Fri	59	68	3.46			
12/22/18	Sat	98	72	2.66			
12/30/18	Sun	124	102	0.944			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Nickel Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	10.5	13.2	(25.7)	❍
01/12/18	Fri	104	116	9.37			
01/20/18	Sat	71	75	13.7*			
01/24/18	Wed	234	133	6.66			
01/29/18	Mon	135	97	6.49			
02/06/18	Tue	62	67	8.47	9.36	(10.5)	❍
02/14/18	Wed	89	98	10.5			
02/22/18	Thu	84	91	6.72			
03/02/18	Fri	68	74	8.23	5.75	30.1	
03/10/18	Sat	58	64	6.35			
03/11/18	Sun	56	62	5.46			
03/19/18	Mon	59	64	21.9			
03/27/18	Tue	68	74	37.4			
04/04/18	Wed	63	67	14.4	7.81	45.8	
04/12/18	Thu	112	118	7.54			
04/20/18	Fri	67	71	12.2			
04/28/18	Sat	85	70	9.97			
04/29/18	Sun	76	85	17.7			
05/07/18	Mon	57	61	22.5	6.59	70.7	
05/15/18	Tue	56	55	30.7			
05/23/18	Wed	58	59	14.5			
05/31/18	Thu	58	63	12.9			
06/08/18	Fri	65	67	11.9	5.74	51.8	
06/16/18	Sat	53	53	7.33			
06/17/18	Sun	69	57	10.0			
06/25/18	Mon	53	57	9.67			
07/05/18	Thu	50	54	13.9			
07/11/18	Wed	53	57	12.3	4.93	59.9	
07/19/18	Thu	51	55	9.49	4.65	51.0	
07/28/18	Sat	49	53	4.14			
07/29/18	Sun	48	52	4.35			
08/06/18	Mon	53	54	8.48	2.32	72.6	
08/14/18	Tue	52	55	7.01			
08/22/18	Wed	53	54	11.0			
08/30/18	Thu	50	52	7.77			
09/07/18	Fri	50	55	7.19	3.37	53.1	
09/15/18	Sat	49	52	8.89			
09/16/18	Sun	77	77	6.03			
09/24/18	Mon	49	54	14.2			
10/01/18	Mon	50	54	5.71	3.16	44.7	
10/09/18	Tue	52	56	6.77			
10/17/18	Wed	50	53	8.24			
10/25/18	Thu	85	81	10.6			
11/02/18	Fri	67	74	15.0*	5.54*	63.1	
11/03/18	Sat	50	55	6.60*			
11/11/18	Sun	48	52	4.78			
11/19/18	Mon	51	53	7.43			
11/27/18	Tue	166	111	5.23			
12/05/18	Wed	53	57	7.61	4.12	45.9	
12/15/18	Sat	51	56	18.8			
12/21/18	Fri	59	68	7.16			
12/22/18	Sat	98	72	4.74			
12/30/18	Sun	124	102	2.28			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Selenium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	0.606	<0.500	NA	
01/12/18	Fri	104	116	<0.500			
01/20/18	Sat	71	75	<1.50*			
01/24/18	Wed	234	133	<0.500			
01/29/18	Mon	135	97	<0.500			
02/06/18	Tue	62	67	<0.500	<0.500	NA	
02/14/18	Wed	89	98	0.691			
02/22/18	Thu	84	91	0.515			
03/02/18	Fri	68	74	<0.556	<0.556	NA	
03/10/18	Sat	58	64	0.521			
03/11/18	Sun	56	62	<0.500			
03/19/18	Mon	59	64	<1.00			
03/27/18	Tue	68	74	<1.00			
04/04/18	Wed	63	67	<1.00	<1.00	NA	
04/12/18	Thu	112	118	0.704			
04/20/18	Fri	67	71	<1.50			
04/28/18	Sat	85	70	0.723			
04/29/18	Sun	76	85	0.615			
05/07/18	Mon	57	61	0.753	<0.500	NA	
05/15/18	Tue	56	55	<1.00			
05/23/18	Wed	58	59	<1.00			
05/31/18	Thu	58	63	<1.00			
06/08/18	Fri	65	67	0.884	<0.500	NA	
06/16/18	Sat	53	53	<1.00			
06/17/18	Sun	69	57	<1.00			
06/25/18	Mon	53	57	0.824			
07/05/18	Thu	50	54	0.839			
07/11/18	Wed	53	57	1.02	<0.500	NA	
07/19/18	Thu	51	55	<1.00	<1.00	NA	
07/28/18	Sat	49	53	<0.500			
07/29/18	Sun	48	52	<0.500			
08/06/18	Mon	53	54	<1.00	<1.00	NA	
08/14/18	Tue	52	55	<1.00			
08/22/18	Wed	53	54	1.02			
08/30/18	Thu	50	52	<1.11			
09/07/18	Fri	50	55	0.785	<0.500	NA	
09/15/18	Sat	49	52	<1.00			
09/16/18	Sun	77	77	<1.00			
09/24/18	Mon	49	54	0.829			
10/01/18	Mon	50	54	0.574	<0.500	NA	
10/09/18	Tue	52	56	0.589			
10/17/18	Wed	50	53	0.952			
10/25/18	Thu	85	81	0.784			
11/02/18	Fri	67	74	<1.00	<1.00	NA	
11/03/18	Sat	50	55	<1.00			
11/11/18	Sun	48	52	<1.00			
11/19/18	Mon	51	53	0.726			
11/27/18	Tue	166	111	<0.500			
12/05/18	Wed	53	57	0.781	<0.500	NA	
12/15/18	Sat	51	56	0.672			
12/21/18	Fri	59	68	0.688			
12/22/18	Sat	98	72	<0.500			
12/30/18	Sun	124	102	<0.500			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Silver Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	0.544	<0.100	NA	
01/12/18	Fri	104	116	0.380			
01/20/18	Sat	71	75	0.868*			
01/24/18	Wed	234	133	0.187			
01/29/18	Mon	135	97	0.353			
02/06/18	Tue	62	67	0.477	<0.100	NA	
02/14/18	Wed	89	98	0.494			
02/22/18	Thu	84	91	0.466			
03/02/18	Fri	68	74	0.499	0.173	65.3	
03/10/18	Sat	58	64	0.309			
03/11/18	Sun	56	62	0.459			
03/19/18	Mon	59	64	0.915			
03/27/18	Tue	68	74	0.582			
04/04/18	Wed	63	67	0.553	<0.200	NA	
04/12/18	Thu	112	118	0.535			
04/20/18	Fri	67	71	0.793			
04/28/18	Sat	85	70	0.636			
04/29/18	Sun	76	85	0.510			
05/07/18	Mon	57	61	0.708	0.125	82.3	
05/15/18	Tue	56	55	0.534			
05/23/18	Wed	58	59	0.843			
05/31/18	Thu	58	63	0.728			
06/08/18	Fri	65	67	0.756	<0.100	NA	
06/16/18	Sat	53	53	0.428			
06/17/18	Sun	69	57	0.589			
06/25/18	Mon	53	57	0.594			
07/05/18	Thu	50	54	0.685			
07/11/18	Wed	53	57	0.519	<0.100	NA	
07/19/18	Thu	51	55	0.709	<0.200	NA	
07/28/18	Sat	49	53	0.226			
07/29/18	Sun	48	52	0.340			
08/06/18	Mon	53	54	0.641	<0.200	NA	
08/14/18	Tue	52	55	0.793			
08/22/18	Wed	53	54	0.731			
08/30/18	Thu	50	52	0.690			
09/07/18	Fri	50	55	0.861	<0.100	NA	
09/15/18	Sat	49	52	1.84			
09/16/18	Sun	77	77	1.04			
09/24/18	Mon	49	54	1.45			
10/01/18	Mon	50	54	1.81	<0.100	NA	
10/09/18	Tue	52	56	2.49			
10/17/18	Wed	50	53	2.53			
10/25/18	Thu	85	81	5.92			
11/02/18	Fri	67	74	1.39	0.263	81.1	
11/03/18	Sat	50	55	1.56			
11/11/18	Sun	48	52	0.853			
11/19/18	Mon	51	53	2.29			
11/27/18	Tue	166	111	0.676			
12/05/18	Wed	53	57	2.25	0.261	88.4	
12/15/18	Sat	51	56	1.87			
12/21/18	Fri	59	68	1.69			
12/22/18	Sat	98	72	1.06			
12/30/18	Sun	124	102	0.610			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Zinc Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	200	38.8	80.6	
01/12/18	Fri	104	116	227			
01/20/18	Sat	71	75	561*			
01/24/18	Wed	234	133	157			
01/29/18	Mon	135	97	153			
02/06/18	Tue	62	67	134	38.1	71.6	
02/14/18	Wed	89	98	621			
02/22/18	Thu	84	91	169			
03/02/18	Fri	68	74	180	48.7	72.9	
03/10/18	Sat	58	64	209			
03/11/18	Sun	56	62	195			
03/19/18	Mon	59	64	189			
03/27/18	Tue	68	74	134			
04/04/18	Wed	63	67	179	44.7	75.0	
04/12/18	Thu	112	118	235			
04/20/18	Fri	67	71	290			
04/28/18	Sat	85	70	354			
04/29/18	Sun	76	85	289			
05/07/18	Mon	57	61	236	49.0	79.2	
05/15/18	Tue	56	55	275			
05/23/18	Wed	58	59	316			
05/31/18	Thu	58	63	319*			
06/08/18	Fri	65	67	414	34.3	91.7	
06/16/18	Sat	53	53	220			
06/17/18	Sun	69	57	381			
06/25/18	Mon	53	57	235			
07/05/18	Thu	50	54	254			
07/11/18	Wed	53	57	222	29.0	86.9	
07/19/18	Thu	51	55	276	28.9	89.5	
07/28/18	Sat	49	53	175			
07/29/18	Sun	48	52	220			
08/06/18	Mon	53	54	208	22.5	89.2	
08/14/18	Tue	52	55	252			
08/22/18	Wed	53	54	149			
08/30/18	Thu	50	52	242			
09/07/18	Fri	50	55	227	22.2	90.2	
09/15/18	Sat	49	52	233			
09/16/18	Sun	77	77	252			
09/24/18	Mon	49	54	317			
10/01/18	Mon	50	54	310	19.2	93.8	
10/09/18	Tue	52	56	188			
10/17/18	Wed	50	53	253			
10/25/18	Thu	85	81	422			
11/02/18	Fri	67	74	260	38.1	85.3	
11/03/18	Sat	50	55	161			
11/11/18	Sun	48	52	177			
11/19/18	Mon	51	53	177			
11/27/18	Tue	166	111	200			
12/05/18	Wed	53	57	226	41.9	81.5	
12/15/18	Sat	51	56	245			
12/21/18	Fri	59	68	150			
12/22/18	Sat	98	72	213			
12/30/18	Sun	124	102	73.1			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Cyanide Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration (ug/L)	Effluent Concentration (ug/L)	Percent Removal	
01/04/18	Thu	64	70	<0.0050	0.265	NA	
01/12/18	Fri	104	116	<0.0050			
01/20/18	Sat	71	75	<0.0050			
01/24/18	Wed	234	133	<0.0050			
01/29/18	Mon	135	97	<0.0050			
02/06/18	Tue	62	67	<0.0050	0.114	NA	
02/14/18	Wed	89	98	<0.0050			
02/22/18	Thu	84	91	0.0060			
03/02/18	Fri	68	74	<0.0050	0.162	NA	
03/10/18	Sat	58	64	<0.0050			
03/11/18	Sun	56	62	0.0064			
03/19/18	Mon	59	64	0.0057			
03/27/18	Tue	68	74	0.0056			
04/04/18	Wed	63	67	<0.0050	0.0619	NA	
04/12/18	Thu	112	118	<0.0050			
04/20/18	Fri	67	71	0.0064			
04/28/18	Sat	85	70	<0.0050			
04/29/18	Sun	76	85	<0.0050			
05/07/18	Mon	57	61	<0.0050	0.0985	NA	
05/15/18	Tue	56	55	<0.0050			
05/23/18	Wed	58	59	<0.0050			
05/31/18	Thu	58	63	0.0058			
06/08/18	Fri	65	67	<0.0050	0.0371	NA	
06/16/18	Sat	53	53	<0.0050			
06/17/18	Sun	69	57	0.0082			
06/25/18	Mon	53	57	<0.0050			
07/05/18	Thu	50	54	<0.0050			
07/13/18	Fri	58	58	<0.0050			
07/19/18	Thu	51	55	<0.0050	0.243	NA	
07/28/18	Sat	49	53	<0.0050			
07/29/18	Sun	48	52	<0.0050			
08/06/18	Mon	53	54	<0.0050	0.0480	NA	
08/14/18	Tue	52	55	0.0055*			
08/22/18	Wed	53	54	<0.0050			
08/30/18	Thu	50	52	<0.0050			
09/07/18	Fri	50	55	<0.0050	0.347	NA	
09/15/18	Sat	49	52	0.0068			
09/16/18	Sun	77	77	<0.0050			
09/24/18	Mon	49	54	<0.0050			
10/01/18	Mon	50	54	<0.0050*	0.128	NA	
10/09/18	Tue	52	56	0.0054			
10/17/18	Wed	50	53	<0.0050			
10/25/18	Thu	85	81	<0.0050			
11/02/18	Fri	67	74	<0.0050	0.0771	NA	
11/03/18	Sat	50	55	<0.0050			
11/11/18	Sun	48	52	<0.0050			
11/19/18	Mon	51	53	<0.0050			
11/27/18	Tue	166	111	<0.0050			
12/05/18	Wed	53	57	0.0051	0.348	(6723.5)	❍
12/15/18	Sat	51	56	<0.0050			
12/21/18	Fri	59	68	<0.0050			
12/22/18	Sat	98	72	<0.0050			
12/30/18	Sun	124	102	<0.0050			

CBWTP Secondary Treatment Process
Inorganics Monitoring Process Data

Legend

Abbreviation	Definition
*	Qualified data. Refer to qualifiers appendix.
❍	Negative Removal
Influent Sampling Location	HDWKS1 (CBWTP: Headworks)
Effluent Sampling Location	EFFWET (CBWTP: Wet Weather Chlorinated Effluent)
Percent Removal	(Influent concentration minus Effluent concentration)/Influent concentration*100 Percent removal is only calculated when influent and effluent samples are available for the same day.
N/A	Not applicable. Per NPDES Permit 101505 permittee may report percent removal rate as not applicable where influent and/or effluent test results are below the analytical detection level.

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
1,1,1-trichloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,1,2,2-tetrachloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,1,2-trichloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,1-dichloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,1-dichloroethene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,2,4-trichlorobenzene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
1,2-dichlorobenzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,2-dichloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050*	mg/l	<0.00050*	mg/l	NA	
1,2-dichloroethene (trans)									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,2-dichloropropane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,3-dichlorobenzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,3-dichloropropene (cis)									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
1,3-dichloropropene (trans)									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050*	mg/l	<0.00050*	mg/l	NA	
1,4-dichlorobenzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
2,4,6-trichlorophenol									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2,4-dichlorophenol									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2,4-dimethylphenol									
01/11/18	Thu	195	118	<0.020	mg/l	<0.0020	mg/l	NA	
04/04/18	Wed	63	67	<0.020	mg/l	<0.0020	mg/l	NA	
07/10/18	Tue	52	57	<0.020	mg/l	<0.0020	mg/l	NA	
10/2/18	Tue	50	53	<0.020	mg/l	<0.0020	mg/l	NA	
2,4-dinitrophenol									
01/11/18	Thu	195	118	<0.050*	mg/l	<0.0050*	mg/l	NA	
04/04/18	Wed	63	67	<0.050	mg/l	<0.0050	mg/l	NA	
07/10/18	Tue	52	57	<0.050	mg/l	<0.0050	mg/l	NA	
10/2/18	Tue	50	53	<0.020	mg/l	<0.0020	mg/l	NA	
2,4-dinitrotoluene									
01/11/18	Thu	195	118	<0.010*	mg/l	<0.0010*	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2,6-dinitrotoluene									
01/11/18	Thu	195	118	<0.010*	mg/l	<0.0010*	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2-chloroethylvinyl ether									

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
01/10/18	Wed	75	86	<0.0100	mg/l	<0.0100	mg/l	NA	
04/05/18	Thu	105	90	<0.0100	mg/l	<0.0100	mg/l	NA	
07/11/18	Wed	53	57	<0.0100	mg/l	<0.0100	mg/l	NA	
10/17/18	Wed	50	53	<0.0100	mg/l	<0.0100	mg/l	NA	
2-chloronaphthalene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2-chlorophenol									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
2-nitrophenol									
01/11/18	Thu	195	118	<0.020	mg/l	<0.0020	mg/l	NA	
04/04/18	Wed	63	67	<0.020	mg/l	<0.0020	mg/l	NA	
07/10/18	Tue	52	57	<0.020	mg/l	<0.0020	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
3,3'-dichlorobenzidine									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
4,4'-ddd (p,p'-tde)									
01/11/18	Thu	195	118	<0.0075*	ug/l	<0.0015*	ug/l	NA	
04/04/18	Wed	63	67	<0.030*	ug/l	<0.0015*	ug/l	NA	
06/26/18	Tue	53	57	<0.0100*	ug/l	<0.0100*	ug/l	NA	
07/10/18	Tue	52	57	<0.01*	ug/l	<0.0124*	ug/l	NA	
10/2/18	Tue	50	53	<0.0017 *	ug/l	<0.0017 *	ug/l	NA	
4,4'-dde (p,p'-ddx)									
01/11/18	Thu	195	118	<0.0055*	ug/l	<0.0011*	ug/l	NA	
04/04/18	Wed	63	67	<0.022*	ug/l	<0.0011*	ug/l	NA	
06/26/18	Tue	53	57	<0.0100*	ug/l	<0.0100*	ug/l	NA	
07/10/18	Tue	52	57	<0.01*	ug/l	<0.0124*	ug/l	NA	
10/2/18	Tue	50	53	<0.0012 *	ug/l	<0.0012 *	ug/l	NA	
4,4'-ddt									
01/11/18	Thu	195	118	<0.009*	ug/l	<0.0018*	ug/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
04/04/18	Wed	63	67	<0.036*	ug/l	<0.0018*	ug/l	NA	
06/26/18	Tue	53	57	<0.0120*	ug/l	<0.0120*	ug/l	NA	
07/10/18	Tue	52	57	<0.012*	ug/l	<0.0149*	ug/l	NA	
10/2/18	Tue	50	53	<0.002 *	ug/l	<0.002 *	ug/l	NA	
4,6-dinitro-2-methylphenol									
01/11/18	Thu	195	118	<0.020*	mg/l	<0.0020*	mg/l	NA	
04/04/18	Wed	63	67	<0.020	mg/l	<0.0020	mg/l	NA	
07/10/18	Tue	52	57	<0.020	mg/l	<0.0020	mg/l	NA	
10/2/18	Tue	50	53	<0.020	mg/l	<0.0020	mg/l	NA	
4-bromophenyl phenyl ether									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010 *	ug/l	<0.010 *	ug/l	NA	
4-chloro-3-methylphenol									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010 *	mg/l	<0.0010 *	mg/l	NA	
4-chlorophenyl phenyl ether									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
4-nitrophenol									
01/11/18	Thu	195	118	<0.050*	mg/l	<0.0050*	mg/l	NA	
04/04/18	Wed	63	67	<0.050	mg/l	<0.0050	mg/l	NA	
07/10/18	Tue	52	57	<0.050*	mg/l	<0.0050*	mg/l	NA	
10/2/18	Tue	50	53	<0.050 *	mg/l	<0.0050 *	mg/l	NA	
acenaphthene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
acenaphthylene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
acrolein									
01/10/18	Wed	75	86	<0.00500	mg/l	<0.00500	mg/l	NA	
04/05/18	Thu	105	90	<0.00500	mg/l	<0.00500	mg/l	NA	
07/11/18	Wed	53	57	<0.00500	mg/l	<0.00500*	mg/l	NA	
10/17/18	Wed	50	53	<0.00500*	mg/l	<0.00500*	mg/l	NA	
acrylonitrile									
01/10/18	Wed	75	86	<0.00500	mg/l	<0.00500	mg/l	NA	
04/05/18	Thu	105	90	<0.00500	mg/l	<0.00500	mg/l	NA	
07/11/18	Wed	53	57	<0.00500	mg/l	<0.00500	mg/l	NA	
10/17/18	Wed	50	53	<0.00500	mg/l	<0.00500	mg/l	NA	
aldrin									
01/11/18	Thu	195	118	<0.0085*	ug/l	<0.0017*	ug/l	NA	
04/04/18	Wed	63	67	<0.034*	ug/l	<0.0017*	ug/l	NA	
06/26/18	Tue	53	57	<0.0170*	ug/l	<0.0170*	ug/l	NA	
07/10/18	Tue	52	57	<0.017*	ug/l	<0.021*	ug/l	NA	
10/2/18	Tue	50	53	<0.0019*	ug/l	<0.0019*	ug/l	NA	
anthracene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
azobenzene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.000*	mg/l	NA	
benzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
benzidine									
01/11/18	Thu	195	118	<0.10	mg/l	<0.010	mg/l	NA	
04/04/18	Wed	63	67	<0.10	mg/l	<0.010	mg/l	NA	
07/10/18	Tue	52	57	<0.10	mg/l	<0.010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.010	mg/l	NA	
benzo(a)anthracene									

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
benzo(a)pyrene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
benzo(b)fluoranthene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
benzo(g,h,i)perylene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
benzo(k)fluoranthene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
bhc, alpha									
01/11/18	Thu	195	118	<0.0033*	ug/l	<0.00065*	ug/l	NA	
04/04/18	Wed	63	67	<0.013*	ug/l	<0.00065*	ug/l	NA	
06/26/18	Tue	53	57	<0.0140*	ug/l	<0.0140*	ug/l	NA	
07/10/18	Tue	52	57	<0.014*	ug/l	<0.0173*	ug/l	NA	
10/2/18	Tue	50	53	<0.0007*	ug/l	<0.0007*	ug/l	NA	
bhc, beta									
01/11/18	Thu	195	118	<0.004*	ug/l	<0.0021*	ug/l	NA	
04/04/18	Wed	63	67	<0.016*	ug/l	<0.00079*	ug/l	NA	
06/26/18	Tue	53	57	<0.0100*	ug/l	<0.0100*	ug/l	NA	
07/10/18	Tue	52	57	<0.01*	ug/l	<0.0124*	ug/l	NA	
10/2/18	Tue	50	53	<0.00085*	ug/l	<0.00085*	ug/l	NA	
bhc, delta									
01/11/18	Thu	195	118	<0.018*	ug/l	<0.0035*	ug/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
04/04/18	Wed	63	67	<0.070*	ug/l	<0.0035*	ug/l	NA	
06/26/18	Tue	53	57	<0.0110*	ug/l	<0.0110*	ug/l	NA	
07/10/18	Tue	52	57	<0.011*	ug/l	<0.0136*	ug/l	NA	
10/2/18	Tue	50	53	<0.0038*	ug/l	<0.0038*	ug/l	NA	
bis(2-chloroethoxy) methane									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
bis(2-chloroethyl) ether									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
bis(2-chloroisopropyl) ether									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
bis(2-ethylhexyl) phthalate									
01/11/18	Thu	195	118	0.014	mg/l	0.0010	mg/l	92.86	
04/04/18	Wed	63	67	0.013*	mg/l	0.0016*	mg/l	87.69	
07/10/18	Tue	52	57	0.022	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.019	mg/l	<0.0011	mg/l	94.21	
bromodichloromethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
bromoform									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
bromomethane									
01/10/18	Wed	75	86	<0.00100	mg/l	<0.00100	mg/l	NA	
04/05/18	Thu	105	90	<0.00100	mg/l	<0.00100	mg/l	NA	
07/11/18	Wed	53	57	<0.00100*	mg/l	<0.00100*	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
10/17/18	Wed	50	53	<0.00100*	mg/l	<0.00100*	mg/l	NA	
butyl benzyl phthalate									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
carbon tetrachloride									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
chlordane									
01/11/18	Thu	195	118	<0.11*	ug/l	<0.031*	ug/l	NA	
04/04/18	Wed	63	67	<0.42*	ug/l	<0.021*	ug/l	NA	
06/26/18	Tue	53	57	<0.259*	ug/l	<0.259*	ug/l	NA	
07/10/18	Tue	52	57	<0.259*	ug/l	<0.32*	ug/l	NA	
10/2/18	Tue	50	53	<0.023*	ug/l	<0.023*	ug/l	NA	
chlorobenzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
chloroethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
chloroform									
01/10/18	Wed	75	86	0.00276	mg/l	0.00403	mg/l	(46.01)	❍
04/05/18	Thu	105	90	0.00345	mg/l	0.00201	mg/l	41.74	
07/11/18	Wed	53	57	0.00194	mg/l	0.00163	mg/l	15.98	
10/17/18	Wed	50	53	0.00129	mg/l	0.00115	mg/l	10.85	
chloromethane									
01/10/18	Wed	75	86	<0.00100	mg/l	<0.00100	mg/l	NA	
04/05/18	Thu	105	90	<0.00100*	mg/l	<0.00100*	mg/l	NA	
07/11/18	Wed	53	57	<0.00100*	mg/l	<0.00100*	mg/l	NA	
10/17/18	Wed	50	53	<0.00100	mg/l	<0.00100	mg/l	NA	
chrysene									

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
dibenzo(a,h)anthracene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
dibromochloromethane									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
dieldrin									
01/11/18	Thu	195	118	<0.0043*	ug/l	<0.00085*	ug/l	NA	
04/04/18	Wed	63	67	<0.017*	ug/l	<0.00085*	ug/l	NA	
06/26/18	Tue	53	57	<0.0110*	ug/l	<0.0110*	ug/l	NA	
07/10/18	Tue	52	57	<0.011*	ug/l	<0.0136*	ug/l	NA	
10/2/18	Tue	50	53	<0.00092*	ug/l	<0.00092*	ug/l	NA	
diethyl phthalate									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
dimethyl phthalate									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
di-n-butyl phthalate									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
di-n-octyl phthalate									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
endosulfan I									
01/11/18	Thu	195	118	0.028*	ug/l	<0.021*	ug/l	NA	
04/04/18	Wed	63	67	<0.026*	ug/l	<0.0013*	ug/l	NA	
06/26/18	Tue	53	57	<0.00700*	ug/l	<0.00700*	ug/l	NA	
07/10/18	Tue	52	57	<0.007*	ug/l	0.116	ug/l	NA	
10/2/18	Tue	50	53	<0.0014*	ug/l	<0.0014*	ug/l	NA	
endosulfan II									
01/11/18	Thu	195	118	<0.005*	ug/l	<0.001*	ug/l	NA	
04/04/18	Wed	63	67	<0.020*	ug/l	<0.0010*	ug/l	NA	
06/26/18	Tue	53	57	<0.0100*	ug/l	<0.0100*	ug/l	NA	
07/10/18	Tue	52	57	<0.01*	ug/l	<0.0124*	ug/l	NA	
10/2/18	Tue	50	53	<0.0011*	ug/l	<0.0011*	ug/l	NA	
endosulfan sulfate									
01/11/18	Thu	195	118	<0.006*	ug/l	<0.0012*	ug/l	NA	
04/04/18	Wed	63	67	<0.024*	ug/l	<0.0012*	ug/l	NA	
06/26/18	Tue	53	57	<0.00700*	ug/l	<0.00700*	ug/l	NA	
07/10/18	Tue	52	57	<0.007*	ug/l	<0.00865*	ug/l	NA	
10/2/18	Tue	50	53	<0.0013*	ug/l	<0.0013*	ug/l	NA	
endrin									
01/11/18	Thu	195	118	<0.0065*	ug/l	0.0018*	ug/l	NA	
04/04/18	Wed	63	67	<0.026*	ug/l	<0.0013*	ug/l	NA	
06/26/18	Tue	53	57	<0.00900*	ug/l	<0.00900*	ug/l	NA	
07/10/18	Tue	52	57	<0.009*	ug/l	<0.0112*	ug/l	NA	
10/2/18	Tue	50	53	<0.0014*	ug/l	<0.0014*	ug/l	NA	
endrin aldehyde									
01/11/18	Thu	195	118	0.022*	ug/l	0.0056*	ug/l	74.55	
04/04/18	Wed	63	67	<0.034*	ug/l	<0.0017*	ug/l	NA	
06/26/18	Tue	53	57	<0.00800*	ug/l	<0.00800*	ug/l	NA	
07/10/18	Tue	52	57	<0.008*	ug/l	<0.00988*	ug/l	NA	
10/2/18	Tue	50	53	<0.0019*	ug/l	<0.0019*	ug/l	NA	
ethyl benzene									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
fluoranthene									

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
fluorene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
heptachlor									
01/11/18	Thu	195	118	<0.005*	ug/l	<0.0019*	ug/l	NA	
04/04/18	Wed	63	67	<0.020*	ug/l	<0.0010*	ug/l	NA	
06/26/18	Tue	53	57	<0.0150*	ug/l	<0.0150*	ug/l	NA	
07/10/18	Tue	52	57	<0.015*	ug/l	<0.0186*	ug/l	NA	
10/2/18	Tue	50	53	<0.0011*	ug/l	<0.0011*	ug/l	NA	
heptachlor epoxide									
01/11/18	Thu	195	118	<0.005*	ug/l	<0.0015*	ug/l	NA	
04/04/18	Wed	63	67	<0.020*	ug/l	<0.0010*	ug/l	NA	
06/26/18	Tue	53	57	<0.0100*	ug/l	<0.0100*	ug/l	NA	
07/10/18	Tue	52	57	<0.01*	ug/l	<0.0124*	ug/l	NA	
10/2/18	Tue	50	53	<0.0011*	ug/l	<0.0011*	ug/l	NA	
hexachlorobenzene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
hexachlorobutadiene									
01/11/18	Thu	195	118	<0.010*	mg/l	<0.0010*	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010*	mg/l	<0.0010*	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
hexachlorocyclopentadiene									
01/11/18	Thu	195	118	<0.020	mg/l	<0.0020	mg/l	NA	
04/04/18	Wed	63	67	<0.020	mg/l	<0.0020	mg/l	NA	
07/10/18	Tue	52	57	<0.020	mg/l	<0.0020	mg/l	NA	
10/2/18	Tue	50	53	<0.020	mg/l	<0.0020	mg/l	NA	
hexachloroethane									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
indeno (1,2,3-cd) pyrene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
isophorone									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
methylene chloride									
01/10/18	Wed	75	86	<0.00100	mg/l	<0.00100	mg/l	NA	
04/05/18	Thu	105	90	<0.00100	mg/l	<0.00100	mg/l	NA	
07/11/18	Wed	53	57	<0.00100	mg/l	<0.00100	mg/l	NA	
10/17/18	Wed	50	53	<0.00100	mg/l	<0.00100	mg/l	NA	
naphthalene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
nitrobenzene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
n-nitrosodimethylamine									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
n-nitroso-di-n-propylamine									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
n-nitrosodiphenylamine									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
pcb 1016									
01/11/18	Thu	195	118	<0.22*	ug/l	<0.54*	ug/l	NA	
04/04/18	Wed	63	67	<0.86*	ug/l	<0.043*	ug/l	NA	
06/26/18	Tue	53	57	<0.130*	ug/l	<0.130*	ug/l	NA	
07/10/18	Tue	52	57	<0.13*	ug/l	<0.161*	ug/l	NA	
10/2/18	Tue	50	53	<0.047*	ug/l	<0.047*	ug/l	NA	
pcb 1221									
01/11/18	Thu	195	118	<0.29*	ug/l	<0.058*	ug/l	NA	
04/04/18	Wed	63	67	<1.2*	ug/l	<0.058*	ug/l	NA	
06/26/18	Tue	53	57	<0.290*	ug/l	<0.290*	ug/l	NA	
07/10/18	Tue	52	57	<0.29*	ug/l	<0.359*	ug/l	NA	
10/2/18	Tue	50	53	<0.063*	ug/l	<0.063*	ug/l	NA	
pcb 1232									
01/11/18	Thu	195	118	<0.25*	ug/l	<0.084*	ug/l	NA	
04/04/18	Wed	63	67	<0.98*	ug/l	<0.049*	ug/l	NA	
06/26/18	Tue	53	57	<0.200*	ug/l	<0.200*	ug/l	NA	
07/10/18	Tue	52	57	<0.2*	ug/l	<0.247*	ug/l	NA	
10/2/18	Tue	50	53	<0.053*	ug/l	<0.053*	ug/l	NA	
pcb 1248									
01/11/18	Thu	195	118	<0.18*	ug/l	<0.19*	ug/l	NA	
04/04/18	Wed	63	67	<0.70*	ug/l	<0.035*	ug/l	NA	
06/26/18	Tue	53	57	<0.260*	ug/l	<0.260*	ug/l	NA	
07/10/18	Tue	52	57	<0.26*	ug/l	<0.321*	ug/l	NA	
10/2/18	Tue	50	53	<0.038*	ug/l	<0.038*	ug/l	NA	
pcb 1254									
01/11/18	Thu	195	118	<0.19*	ug/l	<0.12*	ug/l	NA	
04/04/18	Wed	63	67	<0.58*	ug/l	<0.029*	ug/l	NA	
06/26/18	Tue	53	57	<0.330*	ug/l	<0.330*	ug/l	NA	
07/10/18	Tue	52	57	<0.33*	ug/l	<0.408*	ug/l	NA	
10/2/18	Tue	50	53	<0.032*	ug/l	<0.032*	ug/l	NA	
pcb 1260									
01/11/18	Thu	195	118	<0.57*	ug/l	<0.075*	ug/l	NA	
04/04/18	Wed	63	67	<1.1*	ug/l	<0.053*	ug/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
06/26/18	Tue	53	57	<0.267*	ug/l	<0.267*	ug/l	NA	
07/10/18	Tue	52	57	<0.267*	ug/l	<0.33*	ug/l	NA	
10/2/18	Tue	50	53	<0.057*	ug/l	<0.057*	ug/l	NA	
pentachlorophenol									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	0.019	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
phenanthrene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
phenol									
01/11/18	Thu	195	118	<0.010*	mg/l	<0.0010*	mg/l	NA	
04/04/18	Wed	63	67	0.051	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	0.026	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.065	mg/l	<0.0010	mg/l	NA	
pyrene									
01/11/18	Thu	195	118	<0.010	mg/l	<0.0010	mg/l	NA	
04/04/18	Wed	63	67	<0.010	mg/l	<0.0010	mg/l	NA	
07/10/18	Tue	52	57	<0.010	mg/l	<0.0010	mg/l	NA	
10/2/18	Tue	50	53	<0.010	mg/l	<0.0010	mg/l	NA	
tetrachloroethene									
01/10/18	Wed	75	86	0.00067	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
toluene									
01/10/18	Wed	75	86	0.00129	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	0.00232	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	0.0151	mg/l	0.00050	mg/l	96.69	
10/17/18	Wed	50	53	0.00144	mg/l	0.00050	mg/l	65.28	
toxaphene									
01/11/18	Thu	195	118	<0.42*	ug/l	<0.23*	ug/l	NA	
04/04/18	Wed	63	67	<1.7*	ug/l	<0.083*	ug/l	NA	
06/26/18	Tue	53	57	<0.256*	ug/l	<0.256*	ug/l	NA	
07/10/18	Tue	52	57	<0.256*	ug/l	<0.317*	ug/l	NA	

CBWTP Secondary Treatment Process
Organics Monitoring Process Data

Sample Date	Day	Influent Channel Flow (MG)	Secondary Process Flow (MG)	Influent Concentration	Units	Effluent Concentration	Units	Percent Removal	
10/2/18	Tue	50	53	<0.09*	ug/l	<0.09*	ug/l	NA	
trichloroethene (tce)									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	
vinyl chloride									
01/10/18	Wed	75	86	<0.00050	mg/l	<0.00050	mg/l	NA	
04/05/18	Thu	105	90	<0.00050	mg/l	<0.00050	mg/l	NA	
07/11/18	Wed	53	57	<0.00050	mg/l	<0.00050	mg/l	NA	
10/17/18	Wed	50	53	<0.00050	mg/l	<0.00050	mg/l	NA	

Legend

Abbreviation	Definition
*	Qualified data. Refer to qualifiers appendix.
❍	Negative Removal
Influent Sampling Location	HDWKS1 (CBWTP: Headworks)
Effluent Sampling Location	EFFWET (CBWTP: Wet Weather Chlorinated Effluent)
Percent Removal	(Influent concentration minus Effluent concentration)/Influent concentration*100 Percent removal is only calculated when influent and effluent samples are available for the same day.
NA	Not applicable. Per NPDES Permit 101505 permittee may report percent removal rate as not applicable where influent and/or effluent test results are below the analytical detection level.

CBWTP Wet Weather Treatment Process

Arsenic Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	1.12	
02/18/2018	Sunday	117	17	0.769	
03/08/2018	Thursday	96	3	1.29	
04/05/2018	Thursday	105	10	0.861	
06/09/2018	Saturday	87	3	1.37	
09/12/2018	Wednesday	96	18	1.78	
10/06/2018	Saturday	101	18	1.21	
11/22/2018	Thursday	126	43	0.772	
12/09/2018	Sunday	131	42	0.639	

Cadmium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	<0.100	
02/18/2018	Sunday	117	17	<0.100	
03/08/2018	Thursday	96	3	0.240	
04/05/2018	Thursday	105	10	<0.100	
06/09/2018	Saturday	87	3	0.117	
09/12/2018	Wednesday	96	18	0.204	
10/06/2018	Saturday	101	18	<0.100	
11/22/2018	Thursday	126	43	<0.100	
12/09/2018	Sunday	131	42	<0.100	

Chromium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	2.38	
02/18/2018	Sunday	117	17	1.95	
03/08/2018	Thursday	96	3	2.88*	
04/05/2018	Thursday	105	10	2.10	
06/09/2018	Saturday	87	3	2.31	
09/12/2018	Wednesday	96	18	4.30	
10/06/2018	Saturday	101	18	2.20	
11/22/2018	Thursday	126	43	2.39	
12/09/2018	Sunday	131	42	2.94	

CBWTP Wet Weather Treatment Process

Copper Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	11.0	
02/18/2018	Sunday	117	17	9.81	
03/08/2018	Thursday	96	3	15.8	
04/05/2018	Thursday	105	10	12.0	
06/09/2018	Saturday	87	3	21.1	
09/12/2018	Wednesday	96	18	26.3	
10/06/2018	Saturday	101	18	15.4	
11/22/2018	Thursday	126	43	13.4	
12/09/2018	Sunday	131	42	13.1	

Lead Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	2.14	
02/18/2018	Sunday	117	17	2.20	
03/08/2018	Thursday	96	3	2.10	
04/05/2018	Thursday	105	10	1.60	
06/09/2018	Saturday	87	3	3.47	
09/12/2018	Wednesday	96	18	7.08	
10/06/2018	Saturday	101	18	2.66	
11/22/2018	Thursday	126	43	3.88	
12/09/2018	Sunday	131	42	1.69	

Mercury Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	0.0108	
02/18/2018	Sunday	117	17	0.0114	
03/08/2018	Thursday	96	3	0.0127	
04/05/2018	Thursday	105	10	0.0118	
06/09/2018	Saturday	87	3	0.0334	
09/12/2018	Wednesday	96	18	1.08	
10/06/2018	Saturday	101	18	0.0137	
11/22/2018	Thursday	126	43	0.0115	
12/09/2018	Sunday	131	42	0.00917	

CBWTP Wet Weather Treatment Process

Molybdenum Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	1.85	
02/18/2018	Sunday	117	17	1.05	
03/08/2018	Thursday	96	3	4.04	
04/05/2018	Thursday	105	10	2.27	
06/09/2018	Saturday	87	3	1.49	
09/12/2018	Wednesday	96	18	4.02	
10/06/2018	Saturday	101	18	2.68	
11/22/2018	Thursday	126	43	1.26	
12/09/2018	Sunday	131	42	1.21	

Nickel Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	4.50	
02/18/2018	Sunday	117	17	6.51	
03/08/2018	Thursday	96	3	6.00	
04/05/2018	Thursday	105	10	4.90	
06/09/2018	Saturday	87	3	5.98	
09/12/2018	Wednesday	96	18	5.28	
10/06/2018	Saturday	101	18	3.73	
11/22/2018	Thursday	126	43	3.60	
12/09/2018	Sunday	131	42	3.26	

Selenium Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	<0.500	
02/18/2018	Sunday	117	17	<0.500	
03/08/2018	Thursday	96	3	<0.500	
04/05/2018	Thursday	105	10	<0.500	
06/09/2018	Saturday	87	3	<0.500	
09/12/2018	Wednesday	96	18	<1.00	
10/06/2018	Saturday	101	18	<0.500	
11/22/2018	Thursday	126	43	<0.500	
12/09/2018	Sunday	131	42	<0.500	

CBWTP Wet Weather Treatment Process

Silver Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	0.135	
02/18/2018	Sunday	117	17	<0.100	
03/08/2018	Thursday	96	3	0.164	
04/05/2018	Thursday	105	10	0.137	
06/09/2018	Saturday	87	3	0.128	
09/12/2018	Wednesday	96	18	0.690	
10/06/2018	Saturday	101	18	0.485	
11/22/2018	Thursday	126	43	0.186	
12/09/2018	Sunday	131	42	0.147	

Zinc Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (ug/L)	Percent Removal
01/11/2018	Thursday	195	67	119	
02/18/2018	Sunday	117	17	66.2	
03/08/2018	Thursday	96	3	142	
04/05/2018	Thursday	105	10	94.9	
06/09/2018	Saturday	87	3	91.9	
09/12/2018	Wednesday	96	18	133	
10/06/2018	Saturday	101	18	91.3	
11/22/2018	Thursday	126	43	99.6	
12/09/2018	Sunday	131	42	116	

Cyanide Monitoring Data

Sample Date	Day	Influent Channel Flow (MG)	Wet Weather Process Flow (MG)	Effluent Concentration (mg/L)	Percent Removal
01/11/2018	Thursday	195	67	0.0124	
02/18/2018	Sunday	117	17	0.0071	
03/08/2018	Thursday	96	3	<0.0050	
04/05/2018	Thursday	105	10	0.0057	
06/09/2018	Saturday	87	3	<0.0050	
09/12/2018	Wednesday	96	18	<0.0050	
10/06/2018	Saturday	101	18	<0.0050	
11/22/2018	Thursday	126	43	<0.0050	
12/09/2018	Sunday	131	42	0.0143	

CBWTP Wet Weather Treatment Process

Legend

Abbreviation	Definition
*	Qualified data. Refer to qualifiers appendix.
❍	Negative Removal
Influent Sampling Location	HDWKS1 (CBWTP: Headworks)
Effluent Sampling Location	EFFWET (CBWTP: Wet Weather Chlorinated Effluent)
Percent Removal	(Influent concentration minus Effluent concentration)/Influent concentration*100 Percent removal is only calculated when influent and effluent samples are available for the same day.
N/A	Not applicable. Per NPDES Permit 101505 permittee may report percent removal rate as not applicable where influent and/or effluent test results are below the analytical detection level.

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
1,1,1-trichloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,1,2,2-tetrachloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,1,2-trichloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,1-dichloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,1-dichloroethene				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050*	mg/l
1,2,4-trichlorobenzene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
1,2-dichlorobenzene				
01/17/18	Wed	25	<0.0010	mg/l
02/18/18	Sun	17	<0.00050	mg/l
04/05/18	Thu	10	<0.0010	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/06/18	Sat	18	<0.0010	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,2-dichloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,2-dichloroethene (trans)				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/28/18	Sun	62	<0.00050	mg/l
1,2-dichloropropane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,3-dichlorobenzene				
01/17/18	Wed	25	<0.0010	mg/l
02/18/18	Sun	17	<0.00050	mg/l
04/05/18	Thu	10	<0.0010	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/06/18	Sat	18	<0.0010	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,3-dichloropropene (cis)				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050*	mg/l
1,3-dichloropropene (trans)				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
1,4-dichlorobenzene				
01/17/18	Wed	25	<0.0010	mg/l
02/18/18	Sun	17	<0.00050	mg/l
04/05/18	Thu	10	<0.0010	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/06/18	Sat	18	<0.0010	mg/l
10/28/18	Sun	62	<0.00050	mg/l
2,4,6-trichlorophenol				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2,4-dichlorophenol				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2,4-dimethylphenol				
01/17/18	Wed	25	<0.0020	mg/l
04/05/18	Thu	10	<0.0020	mg/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/06/18	Sat	18	<0.0020	mg/l
2,4-dinitrophenol				
01/17/18	Wed	25	<0.0050	mg/l
04/05/18	Thu	10	<0.0050	mg/l
10/06/18	Sat	18	<0.0050	mg/l
2,4-dinitrotoluene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2,6-dinitrotoluene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2-chloroethylvinyl ether				
02/18/18	Sun	17	<0.0100	mg/l
06/09/18	Sat	3	<0.0100	mg/l
10/28/18	Sun	62	<0.0100	mg/l
2-chloronaphthalene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2-chlorophenol				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
2-nitrophenol				
01/17/18	Wed	25	<0.0020	mg/l
04/05/18	Thu	10	<0.0020	mg/l
10/06/18	Sat	18	<0.0020	mg/l
3,3'-dichlorobenzidine				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
4,4'-ddd (p,p'-tde)				
01/17/18	Wed	25	<0.0015*	ug/l
04/05/18	Thu	10	<0.0016*	ug/l
10/06/18	Sat	18	<0.0015*	ug/l
4,4'-dde (p,p'-ddx)				

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
01/17/18	Wed	25	<0.0011*	ug/l
04/05/18	Thu	10	<0.0012*	ug/l
10/06/18	Sat	18	<0.0011*	ug/l
4,4'-ddt				
01/17/18	Wed	25	<0.0038*	ug/l
04/05/18	Thu	10	<0.0019*	ug/l
10/06/18	Sat	18	<0.0018*	ug/l
4,6-dinitro-2-methylphenol				
01/17/18	Wed	25	<0.0020	mg/l
04/05/18	Thu	10	<0.0020	mg/l
10/06/18	Sat	18	<0.0020	mg/l
4-bromophenyl phenyl ether				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
4-chloro-3-methylphenol				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010*	mg/l
4-chlorophenyl phenyl ether				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
4-nitrophenol				
01/17/18	Wed	25	<0.0050*	mg/l
04/05/18	Thu	10	<0.0050	mg/l
10/06/18	Sat	18	<0.0050*	mg/l
acenaphthene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
acenaphthylene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
acrolein				
02/18/18	Sun	17	<0.00500	mg/l
06/09/18	Sat	3	<0.00500*	mg/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/28/18	Sun	62	<0.00500*	mg/l
acrylonitrile				
02/18/18	Sun	17	<0.00500	mg/l
06/09/18	Sat	3	<0.00500	mg/l
10/28/18	Sun	62	<0.00500	mg/l
aldrin				
01/17/18	Wed	25	<0.0017*	ug/l
04/05/18	Thu	10	<0.0018*	ug/l
10/06/18	Sat	18	<0.0017*	ug/l
anthracene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
azobenzene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0020*	mg/l
10/06/18	Sat	18	<0.0010	mg/l
benzene				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
benzidine				
01/17/18	Wed	25	<0.010	mg/l
04/05/18	Thu	10	<0.010	mg/l
10/06/18	Sat	18	<0.010	mg/l
benzo(a)anthracene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
benzo(a)pyrene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
benzo(b)fluoranthene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
benzo(g,h,i)perylene				

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
benzo(k)fluoranthene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
bhc, alpha				
01/17/18	Wed	25	<0.00065*	ug/l
04/05/18	Thu	10	<0.00068*	ug/l
10/06/18	Sat	18	<0.00065*	ug/l
bhc, beta				
01/17/18	Wed	25	<0.012*	ug/l
04/05/18	Thu	10	<0.00083*	ug/l
10/06/18	Sat	18	<0.00079*	ug/l
bhc, delta				
01/17/18	Wed	25	<0.0035*	ug/l
04/05/18	Thu	10	<0.0037*	ug/l
10/06/18	Sat	18	<0.0035*	ug/l
bis(2-chloroethoxy) methane				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
bis(2-chloroethyl) ether				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
bis(2-chloroisopropyl) ether				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
bis(2-ethylhexyl) phthalate				
01/17/18	Wed	25	0.0020	mg/l
04/05/18	Thu	10	0.0040*	mg/l
10/06/18	Sat	18	0.0030	mg/l
bromodichloromethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/28/18	Sun	62	<0.00050	mg/l
bromoform				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
bromomethane				
02/18/18	Sun	17	<0.00100	mg/l
06/09/18	Sat	3	<0.00100*	mg/l
10/28/18	Sun	62	<0.00100*	mg/l
butyl benzyl phthalate				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
carbon tetrachloride				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
chlordane				
01/17/18	Wed	25	<0.021*	ug/l
04/05/18	Thu	10	<0.022*	ug/l
10/06/18	Sat	18	<0.021*	ug/l
chlorobenzene				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
chloroethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050*	mg/l
chloroform				
02/18/18	Sun	17	0.00148	mg/l
06/09/18	Sat	3	0.00169	mg/l
10/28/18	Sun	62	0.00136	mg/l
chloromethane				
02/18/18	Sun	17	<0.00100	mg/l
06/09/18	Sat	3	<0.00100	mg/l
10/28/18	Sun	62	<0.00100*	mg/l
chrysene				

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
dibenzo(a,h)anthracene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
dibromochloromethane				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
dieldrin				
01/17/18	Wed	25	<0.00085*	ug/l
04/05/18	Thu	10	0.0035*	ug/l
10/06/18	Sat	18	<0.00085*	ug/l
diethyl phthalate				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	0.0011	mg/l
10/06/18	Sat	18	<0.0010	mg/l
dimethyl phthalate				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
di-n-butyl phthalate				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
di-n-octyl phthalate				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
endosulfan I				
01/17/18	Wed	25	<0.0013*	ug/l
04/05/18	Thu	10	<0.0014*	ug/l
10/06/18	Sat	18	<0.0013*	ug/l
endosulfan II				
01/17/18	Wed	25	<0.0010*	ug/l
04/05/18	Thu	10	<0.0011*	ug/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/06/18	Sat	18	<0.0010*	ug/l
endosulfan sulfate				
01/17/18	Wed	25	<0.082*	ug/l
04/05/18	Thu	10	<0.0013*	ug/l
10/06/18	Sat	18	<0.0012*	ug/l
endrin				
01/17/18	Wed	25	<0.0013*	ug/l
04/05/18	Thu	10	<0.0014*	ug/l
10/06/18	Sat	18	<0.0013*	ug/l
endrin aldehyde				
01/17/18	Wed	25	<0.0036*	ug/l
04/05/18	Thu	10	<0.0034*	ug/l
10/06/18	Sat	18	<0.0017*	ug/l
ethyl benzene				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
fluoranthene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
fluorene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
heptachlor				
01/17/18	Wed	25	<0.0016*	ug/l
04/05/18	Thu	10	<0.0035*	ug/l
10/06/18	Sat	18	<0.0010*	ug/l
heptachlor epoxide				
01/17/18	Wed	25	<0.0010*	ug/l
04/05/18	Thu	10	<0.0011*	ug/l
10/06/18	Sat	18	<0.0010*	ug/l
hexachlorobenzene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
hexachlorobutadiene				

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
hexachlorocyclopentadiene				
01/17/18	Wed	25	<0.0020	mg/l
04/05/18	Thu	10	<0.0020	mg/l
10/06/18	Sat	18	<0.0020	mg/l
hexachloroethane				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
indeno (1,2,3-cd) pyrene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
isophorone				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
methylene chloride				
02/18/18	Sun	17	<0.00100	mg/l
06/09/18	Sat	3	<0.00100	mg/l
10/28/18	Sun	62	<0.00100	mg/l
naphthalene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
nitrobenzene				
01/17/18	Wed	25	<0.0010*	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
n-nitrosodimethylamine				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
n-nitroso-di-n-propylamine				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0020*	mg/l

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
10/06/18	Sat	18	<0.0010	mg/l
n-nitrosodiphenylamine				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
pcb 1016				
01/17/18	Wed	25	<0.16*	ug/l
04/05/18	Thu	10	<0.045*	ug/l
10/06/18	Sat	18	<0.043*	ug/l
pcb 1221				
01/17/18	Wed	25	<0.058*	ug/l
04/05/18	Thu	10	<0.061*	ug/l
10/06/18	Sat	18	<0.058*	ug/l
pcb 1232				
01/17/18	Wed	25	<0.27*	ug/l
04/05/18	Thu	10	<0.052*	ug/l
10/06/18	Sat	18	<0.049*	ug/l
pcb 1248				
01/17/18	Wed	25	<0.20*	ug/l
04/05/18	Thu	10	<0.037*	ug/l
10/06/18	Sat	18	<0.035*	ug/l
pcb 1254				
01/17/18	Wed	25	<0.094*	ug/l
04/05/18	Thu	10	<0.031*	ug/l
10/06/18	Sat	18	<0.029*	ug/l
pcb 1260				
01/17/18	Wed	25	<0.14*	ug/l
04/05/18	Thu	10	<0.056*	ug/l
10/06/18	Sat	18	<0.053*	ug/l
pentachlorophenol				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
phenanthrene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
phenol				

CBWTP Wet Weather Treatment Process
Organics Monitoring Data

Sample Date	Day	Wet Weather Process Flow (MG)	Effluent Concentration	Units
01/17/18	Wed	25	0.0056*	mg/l
04/05/18	Thu	10	0.013	mg/l
10/06/18	Sat	18	0.0046	mg/l
pyrene				
01/17/18	Wed	25	<0.0010	mg/l
04/05/18	Thu	10	<0.0010	mg/l
10/06/18	Sat	18	<0.0010	mg/l
tetrachloroethene				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
toluene				
02/18/18	Sun	17	0.00504	mg/l
06/09/18	Sat	3	0.0222	mg/l
10/28/18	Sun	62	0.00160	mg/l
toxaphene				
01/17/18	Wed	25	<0.26*	ug/l
04/05/18	Thu	10	<0.087*	ug/l
10/06/18	Sat	18	<0.083*	ug/l
trichloroethene (tce)				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050	mg/l
vinyl chloride				
02/18/18	Sun	17	<0.00050	mg/l
06/09/18	Sat	3	<0.00050	mg/l
10/28/18	Sun	62	<0.00050*	mg/l

Form 3
Part B

Industrial Pretreatment Program

Biosolids Monitoring Data

CBWTP Biosolids Monitoing Data: Organics

Pollutant	Feb	Mar	Apr	May	Aug	Aug	Nov	Nov
	2/1/2018	3/8/2018 - 3/14/2018	4/30/2018	5/1/2018 - 5/7/2018	8/1/2018 - 8/7/2018	8/2/2018	11/1/2018 - 11/7/2018	11/8/2018
1,1,1-trichloroethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,1,2,2-tetrachloroethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,1,2-trichloroethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,1-dichloroethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,1-dichloroethene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,2,4-trichlorobenzene	<627 ug/kg dry	<170* ug/kg dry	<322 ug/kg dry	<0.43* mg/kg dry	<0.58* mg/kg dry	<359 ug/kg dry	<1.1* mg/kg dry	<365 ug/kg dry
1,2-dichlorobenzene	<627 ug/kg dry	<160* ug/kg dry	<322 ug/kg dry	<0.69* mg/kg dry	<0.94* mg/kg dry	<359 ug/kg dry	<1.8* mg/kg dry	<365 ug/kg dry
1,2-dichloroethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,2-dichloroethene (trans)	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,2-dichloropropane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,2-diphenylhydrazine				<0.54* mg/kg dry	<0.73* mg/kg dry		<1.4* mg/kg dry	
1,3-dichlorobenzene	<627 ug/kg dry	<150* ug/kg dry	<322 ug/kg dry	<0.69* mg/kg dry	<0.94* mg/kg dry	<359 ug/kg dry	<1.8* mg/kg dry	<365 ug/kg dry
1,3-dichloropropene (cis)	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,3-dichloropropene (trans)	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
1,4-dichlorobenzene	<627 ug/kg dry	<160* ug/kg dry	<322 ug/kg dry	<0.69* mg/kg dry	<0.94* mg/kg dry	<359 ug/kg dry	<1.8* mg/kg dry	<365 ug/kg dry
2,4,6-trichlorophenol		<200* ug/kg dry		<0.54* mg/kg dry	<0.73* mg/kg dry		<1.4* mg/kg dry	
2,4-dichlorophenol		<170* ug/kg dry		<0.62* mg/kg dry	<0.84* mg/kg dry		<1.6* mg/kg dry	
2,4-dimethylphenol		<410* ug/kg dry		<0.58* mg/kg dry	<0.78* mg/kg dry		<1.5* mg/kg dry	
2,4-dinitrophenol		<1900* ug/kg dry		<4.3* mg/kg dry	<5.8* mg/kg dry		<11* mg/kg dry	
2,4-dinitrotoluene		<160* ug/kg dry		<0.58* mg/kg dry	<0.78* mg/kg dry		<1.5* mg/kg dry	
2,6-dinitrotoluene		<190* ug/kg dry		<0.62* mg/kg dry	<0.84* mg/kg dry		<1.6* mg/kg dry	
2-chloroethylvinyl ether			<6450 ug/kg dry			<7180 ug/kg dry		<7290 ug/kg dry
2-chloronaphthalene		<210* ug/kg dry		<0.39* mg/kg dry	<0.52* mg/kg dry		<0.95* mg/kg dry	

Pollutant	Feb 2/1/2018	Mar 3/8/2018 - 3/14/2018	Apr 4/30/2018	May 5/1/2018 - 5/7/2018	Aug 8/1/2018 - 8/7/2018	Aug 8/2/2018	Nov 11/1/2018 - 11/7/2018	Nov 11/8/2018
2-chlorophenol		<200* ug/kg dry		<0.38* mg/kg dry	<0.52* mg/kg dry		<0.94* mg/kg dry	
2-nitrophenol		<260* ug/kg dry		<0.54* mg/kg dry	<0.73* mg/kg dry		<1.4* mg/kg dry	
3,3'-dichlorobenzidine		<270* ug/kg dry		<1.1* mg/kg dry	<1.5* mg/kg dry		<2.6* mg/kg dry	
4,4'-ddd (p,p'-tde)		<14* ug/kg dry		<2.8* ug/kg dry	<13.8* ug/kg dry		<23* ug/kg dry	
4,4'-dde (p,p'-ddx)		<9.2* ug/kg dry		<1.9* ug/kg dry	<15.2* ug/kg dry		<2.4* ug/kg dry	
4,4'-ddt		<54* ug/kg dry		<2.8* ug/kg dry	<22.8* ug/kg dry		<35* ug/kg dry	
4,6-dinitro-2-methylphenol		<2500* ug/kg dry		<5.4* mg/kg dry	<7.3* mg/kg dry		<14* mg/kg dry	
4-bromophenyl phenyl ether		<200* ug/kg dry		<0.46* mg/kg dry	<0.63* mg/kg dry		<1.2* mg/kg dry	
4-chloro-3-methylphenol		<190* ug/kg dry		<0.65* mg/kg dry	<0.89* mg/kg dry		<1.7* mg/kg dry	
4-chlorophenyl phenyl ether		<210* ug/kg dry		<0.62* mg/kg dry	<0.84* mg/kg dry		<1.6* mg/kg dry	
4-nitrophenol		<490* ug/kg dry		<5.8* mg/kg dry	<7.8* mg/kg dry		<15* mg/kg dry	
acenaphthene		130* ug/kg dry		48 ug/kg dry	47 ug/kg dry		110 ug/kg dry	
acenaphthylene		29* ug/kg dry		19* ug/kg dry	20* ug/kg dry		54* ug/kg dry	
acrolein			<3220 ug/kg dry			<3590 ug/kg dry		<3650* ug/kg dry
acrylonitrile			<3220 ug/kg dry			<3590 ug/kg dry		<3650 ug/kg dry
aldrin		<54* ug/kg dry		<86* ug/kg dry	<15.2* ug/kg dry		<3.6* ug/kg dry	
anthracene		120* ug/kg dry		100 ug/kg dry	110 ug/kg dry		180 ug/kg dry	
benzene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
benzidine				<17* mg/kg dry	<22* mg/kg dry		<40* mg/kg dry	
benzo(a)anthracene		<230* ug/kg dry		270 ug/kg dry	290 ug/kg dry		370 ug/kg dry	
benzo(a)pyrene		<230* ug/kg dry		230 ug/kg dry	250 ug/kg dry		360 ug/kg dry	
benzo(b)fluoranthene		330* ug/kg dry		320 ug/kg dry	310 ug/kg dry		510 ug/kg dry	
benzo(g,h,i)perylene		<240* ug/kg dry		270 ug/kg dry	250 ug/kg dry		310 ug/kg dry	
benzo(k)fluoranthene		120* ug/kg dry		110 ug/kg dry	120 ug/kg dry		170 ug/kg dry	
bhc, alpha		<15* ug/kg dry		<1.4* ug/kg dry	<10.6* ug/kg dry		<1.8* ug/kg dry	
bhc, beta		<6.2* ug/kg dry		<1.3* ug/kg dry	<11.2* ug/kg dry		<81* ug/kg dry	
bhc, delta		<15* ug/kg dry		<1.3* ug/kg dry	<11.2* ug/kg dry		<1.7* ug/kg dry	
bis(2-chloroethoxy) methane		<180* ug/kg dry		<0.43* mg/kg dry	<0.58* mg/kg dry		<1.1* mg/kg dry	
bis(2-chloroethyl) ether		<200* ug/kg dry		<0.46* mg/kg dry	<0.63* mg/kg dry		<1.2* mg/kg dry	

Pollutant	Feb 2/1/2018	Mar 3/8/2018 - 3/14/2018	Apr 4/30/2018	May 5/1/2018 - 5/7/2018	Aug 8/1/2018 - 8/7/2018	Aug 8/2/2018	Nov 11/1/2018 - 11/7/2018	Nov 11/8/2018
bis(2-ethylhexyl) phthalate		<240* ug/kg dry		<0.54* mg/kg dry	18 mg/kg dry		27* mg/kg dry	
bromodichloromethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
bromoform	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
bromomethane	<1250 ug/kg dry		<645 ug/kg dry			<718* ug/kg dry		<729 ug/kg dry
butyl benzyl phthalate		670 ug/kg dry		<0.62* mg/kg dry	<0.84* mg/kg dry		<1.6* mg/kg dry	
carbon tetrachloride	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
chlordane				<22* ug/kg dry	<218* ug/kg dry		<29* ug/kg dry	
chlorobenzene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
chloroethane	<627* ug/kg dry		<322 ug/kg dry			<359* ug/kg dry		<365 ug/kg dry
chloroform	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
chloromethane	<1250 ug/kg dry		<645 ug/kg dry			<718 ug/kg dry		<729 ug/kg dry
chrysene		410* ug/kg dry		410 ug/kg dry	430 ug/kg dry		510 ug/kg dry	
dibenzo(a,h)anthracene		50* ug/kg dry		41 ug/kg dry	41 ug/kg dry		52 ug/kg dry	
dibromochloromethane	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
dieldrin		<5.1* ug/kg dry		<1.1* ug/kg dry	<18.2* ug/kg dry		<1.4* ug/kg dry	
dimethyl phthalate		<260* ug/kg dry		<0.62* mg/kg dry	<0.84* mg/kg dry		<1.6* mg/kg dry	
di-n-butyl phthalate		320* ug/kg dry		<0.46* mg/kg dry	5.7* mg/kg dry		<1.2* mg/kg dry	
di-n-octyl phthalate		1700* ug/kg dry		<0.92* mg/kg dry	<1.3* mg/kg dry		<2.3* mg/kg dry	
endosulfan I		<8.5* ug/kg dry		<1.7* ug/kg dry	<15.0* ug/kg dry		<2.2* ug/kg dry	
endosulfan II		<27* ug/kg dry		<14* ug/kg dry	<21.3* ug/kg dry		<4.2* ug/kg dry	
endosulfan sulfate		<23* ug/kg dry		<4.6* ug/kg dry	<20.3* ug/kg dry		<5.9* ug/kg dry	
endrin		<7.4* ug/kg dry		<1.5* ug/kg dry	<25.3* ug/kg dry		<2.0* ug/kg dry	
endrin aldehyde		<63* ug/kg dry		<18* ug/kg dry	<20.3* ug/kg dry		<5.3* ug/kg dry	
ethyl benzene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
fluoranthene		770* ug/kg dry		<0.43* mg/kg dry	12* mg/kg dry		6.3* mg/kg dry	
fluorene		160* ug/kg dry		93 ug/kg dry	<0.68* mg/kg dry		<1.3* mg/kg dry	
heptachlor		<31* ug/kg dry		<1.8* ug/kg dry	<21.8* ug/kg dry		<17* ug/kg dry	
heptachlor epoxide		<16* ug/kg dry		<3.1* ug/kg dry	<17.4* ug/kg dry		<4.0* ug/kg dry	
hexachlorobenzene		<210* ug/kg dry		<0.58* mg/kg dry	<0.78* mg/kg dry		<1.5* mg/kg dry	
hexachlorobutadiene	<627 ug/kg dry	<200* ug/kg dry	<322 ug/kg dry	<0.54* mg/kg dry	<0.73* mg/kg dry	<359 ug/kg dry	<1.4* mg/kg dry	<365 ug/kg dry
hexachlorocyclopentadiene		<260* ug/kg dry		<0.46* mg/kg dry	<0.63* mg/kg dry		<1.2* mg/kg dry	
hexachloroethane		<160* ug/kg dry		<0.85* mg/kg dry	<1.2* mg/kg dry		<2.1* mg/kg dry	

Pollutant	Feb	Mar	Apr	May	Aug	Aug	Nov	Nov
	2/1/2018	3/8/2018 - 3/14/2018	4/30/2018	5/1/2018 - 5/7/2018	8/1/2018 - 8/7/2018	8/2/2018	11/1/2018 - 11/7/2018	11/8/2018
indeno (1,2,3-cd) pyrene		200* ug/kg dry		<1.5* mg/kg dry	<2.1* mg/kg dry		<3.7* mg/kg dry	
isophorone		<180* ug/kg dry		<0.54* mg/kg dry	<0.73* mg/kg dry		<1.4* mg/kg dry	
methylene chloride	<1250 ug/kg dry		<645 ug/kg dry			<718 ug/kg dry		<729 ug/kg dry
naphthalene	<627 ug/kg dry	54* ug/kg dry	<322 ug/kg dry	<0.54* mg/kg dry	<0.73* mg/kg dry	<359 ug/kg dry	<1.4* mg/kg dry	<365* ug/kg dry
nitrobenzene		<220* ug/kg dry		<1.0* mg/kg dry	<1.4* mg/kg dry		<2.5* mg/kg dry	
n-nitrosodimethylamine				<0.96* mg/kg dry	<1.3* mg/kg dry		<2.4* mg/kg dry	
n-nitroso-di-n-propylamine		<210* ug/kg dry		<0.73* mg/kg dry	<0.99* mg/kg dry		<1.9* mg/kg dry	
n-nitrosodiphenylamine		<210* ug/kg dry		<0.69* mg/kg dry	<0.94* mg/kg dry		<1.8* mg/kg dry	
pcb 1221		<101 ug/kg dry		<94.4 ug/kg dry	<128 ug/kg dry		<114 ug/kg dry	
pcb 1232		<50.5 ug/kg dry		<47.2 ug/kg dry	<63.8 ug/kg dry		<56.9 ug/kg dry	
pcb 1248		<50.5 ug/kg dry		<47.2 ug/kg dry	<63.8 ug/kg dry		<56.9 ug/kg dry	
pcb 1254		<50.5 ug/kg dry		<47.2 ug/kg dry	<63.8 ug/kg dry		57.9 ug/kg dry	
pcb 1260		<50.5 ug/kg dry		<47.2 ug/kg dry	<63.8 ug/kg dry		<56.9 ug/kg dry	
pentachlorophenol		<340* ug/kg dry		<5.0* mg/kg dry	<6.8* mg/kg dry		<13* mg/kg dry	
phenanthrene		670* ug/kg dry		<0.39* mg/kg dry	<0.52* mg/kg dry		<0.95* mg/kg dry	
phenol		<200* ug/kg dry		<0.73* mg/kg dry	<0.99* mg/kg dry		<1.9* mg/kg dry	
pyrene		680 ug/kg dry		<0.54* mg/kg dry	<0.73* mg/kg dry		<1.4* mg/kg dry	
tetrachloroethene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
toluene	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
toxaphene		<3400* ug/kg dry		<160* ug/kg dry	<261* ug/kg dry		<210* ug/kg dry	
trichloroethene (tce)	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry
vinyl chloride	<627 ug/kg dry		<322 ug/kg dry			<359 ug/kg dry		<365 ug/kg dry

	Dates refer to sample composite begin and end dates
*	Qualified data. Refer to qualifiers appendix.
Biosolids Sampling Location	BPC (CBWTP Belt Press Cake)

CBWTP Biosolids Monitoring Data: Inorganics

	Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Med	Max	HQ Biosolids Standards
	mg/kg dry	1/1/2018 - 1/7/2018	2/1/2018 - 2/7/2018	3/1/2018 - 3/7/2018	4/1/2018 - 4/7/2018	5/1/2018 - 5/7/2018	6/1/2018 - 6/7/2018	7/1/2018 - 7/7/2018	8/1/2018 - 8/7/2018	9/1/2018 - 9/7/2018	10/1/2018 - 10/7/2018	11/1/2018 - 11/7/2018	12/1/2018 - 12/7/2018			
Inorganics	arsenic	3.72	4.06	3.35	3.62	3.71	3.79	3.99	3.62	3.83	4.10	4.70	4.14	3.81	4.70	41
	cadmium	1.58	1.54	1.69	1.70	1.93	1.86	2.11	1.95	2.89	2.09	1.88	1.75	1.87	2.89	39
	chromium	46.6	50.5	55.8	55.8	59.3	57.3	50.9	41.3	39.2	37.5	44.7	37.4	48.6	59.3	--
	copper	231	233	232	221	253	238	241	236	253	281*	266	253	240	281	1500
	cyanide - total	2.98*	2.81*	2.26*	3.10*	4.85	12.0	10.1*	5.78	5.64*	4.53	6.02*	4.67	4.76	12.0	--
	lead	43.9	51.6	67.2	83.5	44.1	50.0	46.9	33.2	46.8	52.7	59.0	59.0*	50.8	83.5	300
	mercury	0.479	0.687*	0.620	0.638	0.588	0.585	0.720	0.683	0.660	0.673	0.598*	0.529*	0.629	0.720	17
	molybdenum	7.59	7.76	7.93	8.29	8.80	8.81	9.37	9.46	9.86	9.86	9.90	8.70	8.81	9.90	75
	nickel	40.1	50.4	49.8	52.2	48.6	49.8	44.5	34.3	37.3	39.2*	39.4	35.6	42.3	52.2	420
	selenium	3.77	3.24	2.44	3.64	3.36	4.52	4.53	4.57	5.11	4.55	4.11	3.40	3.94	5.11	100
	silver	3.90	3.47*	2.84	3.17	3.07	3.28	3.66	3.18*	3.80	5.78	6.16	7.05	3.57	7.05	--
	zinc	873	908	872	932	949	901	949	906	973	986*	1030	1010	941	1,030	2800

	Dates refer to sample composite begin and end dates
*	Qualified data. Refer to qualifiers appendix.
HQ Biosolids	High Quality Biosolids Standards are from Final Report Update of Local Discharge Standards, City of Portland, April 1996, Table 7-3
Biosolids Sampling Location	DIG5 (CBWTP: Digester 5 Biosolids)

Form 3
Part C

Industrial Pretreatment Program

Laboratory Qualifiers Appendix

Form 3 – Laboratory Qualifiers Appendix

CBWTP Belt Press Cake		
Date	**Analyte**	**Notes**
2/1/2018	chloroethane, trichlorofluoromethane (freon-11)	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates
3/8/2018	Cyanide - total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	Mercury	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.
4/30/2018	vinyl acetate	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	trichlorofluoromethane (freon-11)	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
5/1/2018	Cyanide - Total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	Mercury	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.
8/1/2018	Cyanide - Total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
8/2/2018	Vinyl Acetate	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	Bromomethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
	Trichlorofluoromethane (freon-11), Dichlorodifluoromethane (freon-12) Chloroethane,	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
11/8/2018	Vinyl Acetate	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	acrolein, 2-hexanone, 1,2-dibromo-3-chloropropane, naphthalene	Continuing calibration verification was low; sample results for this analyte may be low estimates.
	trichlorofluoromethane (freon-11)	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.

Form 3 – Laboratory Qualifiers Appendix

CBWTP Headworks		
Date	**Analyte**	**Notes**
1/11/2018	2,4-dinitrophenol	Continuing calibration verification was low; sample results for this analyte may be low estimates.
	4-nitrophenol, 4,6-dinitro-2-methylphenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, phenol, hexachlorobutadiene	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
1/20/18	Arsenic, cadmium, lead, chromium, silver, nickel, copper, zinc, selenium, molybdenum	Sample was non-homogeneous. Results should be considered estimates.
3/10/2018	Chromium	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).
3/11/2018	Chromium	Analyte was detected in the Method Blank at a concentration greater than one tenth the amount in the sample. Sample result may be a high estimate.
4/4/2018	bis(2-ethylhexyl) phthalate	Analyte was detected in the Method Blank at a concentration greater than one tenth the amount in the sample. Sample result may be a high estimate.
	copper	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).
4/5/2018	chloromethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
5/31/2018	zinc	Based on high matrix spike recovery, the sample result should be considered an estimate due to matrix effect and/or non-homogeneous matrix.
7/10/2018	4-nitrophenol, hexachlorobutadiene	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
7/11/2018	Chloromethane, bromomethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
8/14/2018	Cyanide – total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference
10/1/2018	Cyanide – total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference
10/17/2018	Bromomethane, acrolein, 1,3-dichloropropene (trans), 1,2-dichloroethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
11/2/2018	Nickel	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).
11/3/2018	nickel	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).

Form 3 – Laboratory Qualifiers Appendix

CBWTP Secondary Chlorinated Effluent		
Date	**Analyte**	**Notes**
1/11/2018	2,4-dinitrophenol	Continuing calibration verification was low; sample results for this analyte may be low estimates.
	4-nitrophenol, 4,6-dinitro-2-methylphenol, 2,6-dinitrotoluene, 2,4-dinitrotoluene, phenol, hexachlorobutadiene	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
4/4/2018	bis(2-ethylhexyl) phthalate, copper	Analyte was detected in the Method Blank at a concentration greater than one tenth the amount in the sample. Sample result may be a high estimate.
4/5/2018	chloromethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
7/10/2018	4-nitrophenol, hexachlorobutadiene	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
7/11/2018	acrolein	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	Chloromethane, bromomethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
10/2/2018	4-chloro-3-methylphenol, 4-nitrophenol	Recovery for this analyte in the lab control sample was outside of the acceptance range (low). Sample results may be low estimates.
10/17/2018	Bromomethane, acrolein, 1,3-dichloropropene (trans), 1,2-dichloroethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
11/2/2018	Nickel	Analyte was detected in the blank. Results are estimates.

CBWTP: Wet Weather Chlorinated Effluent		
1/17/2018	dibenzo(a,h)anthracene, bis(2-chloroethyl) ether, bis(2-chloroisopropyl) ether, chrysene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, isophorone, nitrobenzene, indeno (1,2,3-cd) pyrene	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	4-nitrophenol, 2,6-dinitrotoluene, 2-chloronaphthalene, phenol, 1,2,4-trichlorobenzene, naphthalene, hexachlorobutadiene, hexachloroethane	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
3/8/2018	Chromium	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).

4/5/2018	bis(2-ethylhexyl) phthalate	Analyte was detected in the Method Blank at a concentration greater than one tenth the amount in the sample. Sample result may be a high estimate.
	Azobenzene, n-nitroso-di-n-propylamine	Reporting limit is raised for this analyte due to non-target matrix interference
6/9/2018	acrolein	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	bromomethane	Continuing calibration verification was low; sample results for this analyte may be low estimates.
10/6/2018	4-chloro-3-methylphenol, 4-nitrophenol	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.
10/28/2018	1,3-dichloropropene (cis)	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	Chloroethane, chloromethane, bromomethane, vinyl chloride, 1,1-dichloroethene	Continuing calibration verification was low; sample results for this analyte may be low estimates.
	acrolein	Recovery for this analyte in the laboratory control sample was outside the acceptance range (low). Sample results may be low estimates.

CBWTP: Digester 5 Biosolids		
1/1/2018	Cyanide – total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
2/1/2018	Cyanide - total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.
	mercury	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.
	silver	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.

Form 3 – Laboratory Qualifiers Appendix

3/1/2018	Cyanide - total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.	
4/1/2018	Cyanide - total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.	
5/1/2018	4-bromophenyl phenyl ether, bis(2-chloroethoxy) methane, 4-chlorophenyl phenyl ether, 1,2-diphenylhydrazine, di-n-butyl phthalate, di-n-octyl phthalate, bis(2-ethylhexyl) phthalate, dimethyl phthalate, dibenzofuran, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate, bis(2-chloroethyl) ether, benzidine, 4-chloro-3-methylphenol, 4-chloroaniline, 4-nitrophenol, 4,6-dinitro-2-methylphenol, 2-nitrophenol, 3,3'-dichlorobenzidine, 2-chloronaphthalene, 2-chlorophenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2,4,6-trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 2,4,5-trichlorophenol, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, pyrene, phenol, pentachlorophenol, phenanthrene, n-nitrosodimethylamine, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, naphthalene, nitrobenzene, indeno (1,2,3-cd) pyrene, isophorone, hexachloroethane, hexachlorobenzene, hexachlorobutadiene, hexachlorocyclopentadiene, fluorene, fluoranthene		Some results are an outlier and are from dilutions. See complete case narrative for individual analyte qualifiers.
7/1/2018	Cyanide - total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.	
8/1/2018	silver	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.	
9/1/2018	Cyanide – total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.	
10/1/2018	Zinc, copper, nickel	Analyte was detected in the Method Blank, but at a concentration less than one tenth the amount in the sample(s).	
11/1/2018	Boron	Analyte was detected in method blank, but at a concentration less than one tenth the amount in the sample(s).	
	Cyanide – total	Based on low matrix spike recovery, the sample result may be a low estimate due to matrix interference.	
	Mercury	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.	
12/1/2018	Lead, mercury,	Inconsistent results for matrix QC (duplicates and/or matrix spikes) indicate non-homogeneous sample matrix. Sample results should be considered estimates.	

Form 3
Part D

Industrial Pretreatment Program

Priority Pollutant Scan Results

CBWTP Tentatively Identified Compound Results

First Quarter 2018

Sampling Date		Secondary Chlorinated Effluent (CLEFDRY)	Wet Weather Chlorinated Effluent (EFFWET)
Start	**End**		
1/10/2018	1/10/2018	**W18A073-02 (*Volatile Organics Analysis*) -** In addition to the target analytes reported, the sample did not contain any tentatively identified compounds.	***W18B149-01(Volatile Organics Analysis)*** - In addition to the target analytes reported, the sample contained the following tentatively identified compounds: acetone 0.072 mg/L.
1/11/2018	1/11/2018	**W18A094-04 (*Semi-volatile Organics Analysis*) -** In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as C14-C18 organic acids 0.12 mg/L, squalene 0.006 mg/L, 2-ethyl cyclopentanone 0.005 mg/L, pentamethyl cyclopentanone 0.005 mg/L, 1-methyl-2-propyl cyclohexane 0.004 mg/L, pentamethyl cyclopentene 0.003 mg/L, dipropylene glycol monomethyl ehter 0.002 mg/L, butanamide 0.002 mg/L, 3,3-dimethylheptanoic acid 0.002 mg/L, isopentyl ether 0.002 mg/L.	
1/17/2018	1/17/2018		**W18A140-01 (*Semi-volatile Organics Analysis*) -** In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as C14-C18 organic acids 0.37 mg/L, squalene 0.019 mg/L, 3 & 4 methylphenol, 2-butoxyethanol 0.010 mg/L, benzeneacetic acid 0.008 mg/L, 3-methyl pentanoic acid 0.006 mg/L, hexanoic acid 0.005 mg/L, pentamethyl cyclopentane 0.004 mg/L, 2-methyl butanoic acid 0.004 mg/L, 4-ethyl-1-hexene 0.003 mg/L.

CBWTP Tentatively Identified Compound Results

Second Quarter 2018

Sampling Date		Secondary Chlorinated Effluent (CLEFDRY)	Wet Weather Chlorinated Effluent (EFFWET)
Start	**End**		
4/5/2018	4/5/2018	**W18D040-08 (*Volatile Organics Analysis*) -** In addition to the target analytes reported, the sample did not contain additional tentatively identified compounds. **W18D040-07 (*Semi-volatile Organics Analysis*)** - In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as C14-18 organic acids 0.052 mg/L, pentamethyl cyclopentene 0.015 mg/L, squalene 0.007 mg/L, oxacycloheptadecan-2-one 0.006 mg/L, octadecylbenzyldimethylammonium chloride 0.003 mg/L, 1-methyl-2-propyl cyclohexane 0.004 mg/L.	**W18D059-03 (*Semi-volatile Organics Analysis*) -** In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as C14-C18 organic acids 0.92 mg/L, cholest-5-en-3-ol 0.11 mg/L, 2-butoxyethanol 0.04 mg/L, tetracosahexaene 0.022 mg/L, 1-heneicosyl formate 0.019 mg/L, benzeneacetic acid 0.015 mg/L, 1-(2-methoxypropoxy)-2-propanol 0.012 mg/L, 3-methyl pentanoic acid 0.012 mg/L, triethylene glycol monododecyl ether 0.001 mg/L, 2-(dodecyloxy) ethanol 0.006 mg/L.
6/9/2018	6/9/2018		**W18F059-01 (*Volatile Organics Analysis*) -** In addition to the target analytes reported, the sample did not contain tentatively identified compounds

CBWTP Tentatively Identified Compound Results

Third Quarter 2018

Sampling Date		Secondary Chlorinated Effluent (CLEFDRY)	Wet Weather Chlorinated Effluent (EFFWET)
Start	**End**		
7/11/2018	7/11/2018	**W18G050-04 (*Volatile Organics Analysis*)** - In addition to the target analytes reported, the sample did not contain tentatively identified compounds. **W18G050-03 (*Semi-volatile Organics Analysis)* -** In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as C14-18 organic acids 0.047 mg/L, 1,2,3,4,5-pentamethyl cyclopentene, 4-methyl heptane, and tetracosahexaene 0.003 mg/L each, oleic acid 0.004 mg/L, 1,2,3,3,4-pentamethyl cyclopentene and di(cyclohexylmethyl) sulfurous acid 0.005 mg/L each.	No volatile or semi-volatile organics samples were collected this quarter.

CBWTP Tentatively Identified Compound Results

Fourth Quarter 2018

Sampling Date		Secondary Chlorinated Effluent (CLEFDRY)	Wet Weather Chlorinated Effluent (EFFWET)
Start	End		
10/2/2018	10/2/2018	**W18J024-02 (Semi-v*olatile Organics Analysis)*** - In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as: C14-18 organic acids 0.26 mg/L, Z-7-pentadecenol 0.020 mg/L, squalene 0.007 mg/L, 3-methyl-2-butenal 0.005 mg/L, 1-methyl-2-propyl-cyclohexane 0.004 mg/L; methyl isobutyl ketone, cylcohexanone, and nonanoic acid 0.003 mg/L each.	
10/6/2018	10/6/2018		**W18J062-03 (*Semi-volatile Organics Analysis)* -** In addition to the target analytes reported, the sample contained non-target compounds tentatively identified as (results in mg/L): C14-18 organic acids 5.1, tetracosahexaene 0.024, 3- & 4-methylphenol 0.036, 2-butoxyethanol 0.014, benzeneacetic acid 0.014, cholestan-3-one 0.007, 2-methyl pentanoic acid 0.005, cyclohexylmethyl sulfurous acid 0.004, 2-(2-methoxypropoxy)-1-propanol 0.004.
10/17/18	10/17/18	**W18J167-02 *(Volatile Organics Analysis)* -** In addition to the target analytes reported, the sample did not contain additional tentatively identified compounds.	
10/28/2018	10/28/2018		**W18J241-01 (*Volatile Organics Analysis*) -** Each sample was comprised of multiple grabs collected individually and composited in the laboratory into headspace-free containers. In addition to the target analytes reported, the sample did not contain additional tentatively identified compounds.

Form 4

Industrial Pretreatment Program

Headworks Loading Comparison

CBWTP Headworks Loading Data

			Arsenic		Cadmium		Chromium		Copper		Lead		Mercury		Molybdenum		Nickel		Selenium		Silver		Zinc	
Sample Date	Day	Total HW Influent Flow (MG)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)	Conc. (ug/l)	Loading (lbs)
01/04/18	Thu	64	1.09	0.6	0.237	0.1	3.78	2	37.7	20.1	4.81	2.6	0.0746	0.04	4.07	2.2	10.5	5.6	0.606	0.3	0.544	0.3	200	106.8
01/12/18	Fri	104	1.12	1.0	0.207	0.2	3.65	3	33.8	29.3	4.98	4.3	0.0353	0.03	3.13	2.7	9.37	8.1	<0.500	NA	0.380	0.3	227	197.0
01/20/18	Sat	71	2.34*	1.4	0.663*	0.4	9.11*	5	87.2*	51.7	17.2*	10.2	0.0543	0.03	5.72*	3.4	13.7*	8.1	<1.50*	NA	0.868*	0.5	561*	**332.4**
01/24/18	Wed	234	0.924	1.8	0.189	0.4	2.91	6	21.6	42.2	7.00	13.7	0.0142	0.03	1.69	3.3	6.66	13.0	<0.500	NA	0.187	0.4	157	306.6
01/29/18	Mon	135	1.01	1.1	0.234	0.3	3.94	4	29.7	33.5	7.35	8.3	0.0305	0.03	2.70	3.0	6.49	7.3	<0.500	NA	0.353	0.4	153	172.4
02/06/18	Tue	62	1.06	0.5	0.280	0.1	5.20	3	42.8	22.1	5.60	2.9	0.0517	0.03	3.15	1.6	8.47	4.4	<0.500	NA	0.477	0.2	134	69.3
02/14/18	Wed	89	1.40	1.0	0.391	0.3	6.55	5	46.6	34.6	10.5	7.8	0.0676	0.05	4.06	3.0	10.5	7.8	0.691	0.5	0.494	0.4	621	**461.2**
02/22/18	Thu	84	1.04	0.7	0.220	0.2	4.49	3	29.5	20.7	4.59	3.2	0.0689	0.05	3.45	2.4	6.72	4.7	0.515	0.4	0.466	0.3	169	118.5
03/02/18	Fri	68	1.05	0.6	0.212	0.1	3.71	2	33.3	18.9	3.76	2.1	0.0591	0.03	4.24	2.4	8.23	4.7	<0.556	NA	0.499	0.3	180	102.1
03/10/18	Sat	58	0.938	0.5	0.213	0.1	3.03*	1	35.4	17.1	3.48	1.7	0.0394	0.02	4.48	2.2	6.35	3.1	0.521	0.3	0.309	0.1	209	101.2
03/11/18	Sun	56	0.959	0.4	0.206	0.1	2.68*	1	34.9	16.3	3.35	1.6	0.0927	0.04	13.0	6.1	5.46	2.6	<0.500	NA	0.459	0.2	195	91.1
03/19/18	Mon	59	1.31	0.6	0.408	0.2	13.5	7	49.0	24.1	5.98	2.9	0.0720	0.04	4.60	2.3	21.9	10.8	<1.00	NA	0.915	0.5	189	93.1
03/27/18	Tue	68	0.822	0.5	0.256	0.1	6.23	4	38.6	21.9	3.69	2.1	0.0600	0.03	3.34	1.9	37.4	21.2	<1.00	NA	0.582	0.3	134	76.0
04/04/18	Wed	63	0.877	0.5	0.394	0.2	16.7	9	46.4*	24.4	4.49	2.4	0.0626	0.03	5.08	2.7	14.4	7.6	<1.00	NA	0.553	0.3	179	94.1
04/12/18	Thu	112	1.98	1.9	0.353	0.3	5.42	5	36.9	34.5	8.99	8.4	0.0658	0.06	2.76	2.6	7.54	7.0	0.704	0.7	0.535	0.5	235	219.7
04/20/18	Fri	67	1.53	0.9	0.429	0.2	8.84	5	72.9	40.8	7.44	4.2	0.201	0.11	5.31	3.0	12.2	6.8	<1.50	NA	0.793	0.4	290	162.2
04/28/18	Sat	85	1.60	1.1	0.395	0.3	9.94	7	50.5	35.8	17.1	12.1	0.0918	0.07	3.15	2.2	9.97	7.1	0.723	0.5	0.636	0.5	354	251.1
04/29/18	Sun	76	1.23	0.8	0.210	0.1	8.87	6	40.6	25.8	7.56	4.8	0.124	0.08	3.01	1.9	17.7	11.2	0.615	0.4	0.510	0.3	289	183.3
05/07/18	Mon	57	0.995	0.5	0.373	0.2	7.94	4	56.4	26.8	4.60	2.2	0.198	0.09	5.68	2.7	22.5	10.7	0.753	0.4	0.708	0.3	236	112.3
05/15/18	Tue	56	1.00	0.5	0.369	0.2	11.1	5	51.5	24.1	5.33	2.5	0.0679	0.03	3.96	1.9	30.7	14.3	<1.00	NA	0.534	0.2	275	128.5
05/23/18	Wed	58	1.01	0.5	0.269	0.1	6.97	3	49.8	24.1	4.72	2.3	0.0594	0.03	3.83	1.9	14.5	7.0	<1.00	NA	0.843	0.4	316	153.0
05/31/18	Thu	58	1.44	0.7	0.566	0.3	11.2	5	64.7	31.3	9.45	4.6	0.115	0.06	4.72	2.3	12.9	6.2	<1.00	NA	0.728	0.4	319*	154.4
06/08/18	Fri	65	1.72	0.9	0.512	0.3	9.70	5	73.7	40.0	13.7	7.4	0.210	0.11	4.24	2.3	11.9	6.5	0.884	0.5	0.756	0.4	414	224.6
06/16/18	Sat	53	1.14	0.5	0.244	0.1	4.01	2	38.1	16.9	4.36	1.9	0.101	0.04	2.86	1.3	7.33	3.2	<1.00	NA	0.428	0.2	220	97.3
06/17/18	Sun	69	1.72	1.0	0.415	0.2	8.61	5	51.1	29.4	16.7	9.6	0.0827	0.05	2.63	1.5	10.0	5.8	<1.00	NA	0.589	0.3	381	219.4
06/25/18	Mon	53	1.18	0.5	0.266	0.1	4.47	2	44.0	19.5	4.41	2.0	0.0595	0.03	3.26	1.4	9.67	4.3	0.824	0.4	0.594	0.3	235	103.9
07/05/18	Thu	50	1.55	0.6	0.332	0.1	8.93	4	56.3	23.5	5.05	2.1	0.0795	0.03	5.52	2.3	13.9	5.8	0.839	0.4	0.685	0.3	254	106.0
07/11/18	Wed	53	1.63	0.7	0.314	0.1	6.98	3	44.4	19.6	4.87	2.2	0.0647	0.03	13.6	6.0	12.3	5.4	1.02	0.5	0.519	0.2	222	98.2
07/19/18	Thu	51	1.22	0.5	0.470	0.2	11.3	5	55.6	23.7	5.19	2.2	0.0787	0.03	4.07	1.7	9.49	4.0	<1.00	NA	0.709	0.3	276	117.5
07/28/18	Sat	49	0.901	0.4	0.126	0.1	1.87	1	25.7	10.5	1.80	0.7	0.0335	0.01	2.73	1.1	4.14	1.7	<0.500	NA	0.226	0.1	175	71.6
07/29/18	Sun	48	1.03	0.4	0.190	0.1	2.84	1	49.9	20.0	3.99	1.6	0.0381	0.02	2.72	1.1	4.35	1.7	<0.500	NA	0.340	0.1	220	88.1
08/06/18	Mon	53	1.13	0.5	0.268	0.1	4.78	2	46.2	20.4	4.47	2.0	0.0454	0.02	3.27	1.4	8.48	3.8	<1.00	NA	0.641	0.3	208	92.0
08/14/18	Tue	52	1.37	0.6	0.339	0.1	5.00	2	46.5	20.2	6.22	2.7	0.0710	0.03	3.98	1.7	7.01	3.0	<1.00	NA	0.793	0.3	252	109.4
08/22/18	Wed	53	1.18	0.5	0.258	0.1	4.64	2	41.0	18.1	4.23	1.9	0.0757	0.03	6.82	3.0	11.0	4.9	1.02	0.5	0.731	0.3	149	65.9
08/30/18	Thu	50	1.22	0.5	0.428	0.2	3.91	2	47.4	19.8	9.57	4.0	0.147	0.06	5.63	2.3	7.77	3.2	<1.11	NA	0.690	0.3	242	101.0
09/07/18	Fri	50	1.27	0.5	0.326	0.1	4.64	2	47.3	19.7	5.62	2.3	0.117	0.05	6.25	2.6	7.19	3.0	0.785	0.3	0.861	0.4	227	94.7
09/15/18	Sat	49	1.43	0.6	0.291	0.1	6.36	3	47.1	19.3	8.65	3.5	0.0660	0.03	10.8	4.4	8.89	3.6	<1.00	NA	1.84	0.8	233	95.3
09/16/18	Sun	77	1.80	1.2	0.307	0.2	5.67	4	54.9	35.3	16.6	10.7	0.0985	0.06	3.87	2.5	6.03	3.9	<1.00	NA	1.04	0.7	252	161.9
09/24/18	Mon	49	1.43	0.6	0.498	0.2	7.45	3	61.1	25.0	7.20	2.9	0.0708	0.03	11.4	4.7	14.2	5.8	0.829	0.3	1.45	0.6	317	129.6
10/01/18	Mon	50	1.33	0.6	0.411	0.2	3.93	2	49.6	20.7	4.97	2.1	0.0668	0.03	10.7	4.5	5.71	2.4	0.574	0.2	1.81	0.8	310	129.4
10/09/18	Tue	52	1.33	0.6	0.315	0.1	3.91	2	49.9	21.7	5.87	2.5	0.0759	0.03	6.03	2.6	6.77	2.9	0.589	0.3	2.49	1.1	188	81.6
10/17/18	Wed	50	1.35	0.6	0.412	0.2	5.26	2	49.4	20.6	6.58	2.7	0.262	0.11	8.21	3.4	8.24	3.4	0.952	0.4	2.53	1.1	253	105.6
10/25/18	Thu	85	1.50	1.1	0.435	0.3	5.70	4	53.9	38.2	9.84	7.0	0.122	0.09	5.42	3.8	10.6	7.5	0.784	0.6	5.92	4.2	422	299.3
11/02/18	Fri	67	1.12	0.6	0.236	0.1	11.5	6	44.8	25.0	6.79	3.8	0.0702	0.04	5.96	3.3	15.0*	8.4	<1.00	NA	1.39	0.8	260	145.4
11/03/18	Sat	50	0.904	0.4	<0.200	NA	3.27	1	29.1	12.1	2.92	1.2	0.0527	0.02	7.34	3.1	6.60*	2.8	<1.00	NA	1.56	0.7	161	67.2
11/11/18	Sun	48	0.724	0.3	<0.200	NA	2.90	1	35.8	14.3	6.29	2.5	0.0441	0.02	2.14	0.9	4.78	1.9	<1.00	NA	0.853	0.3	177	70.9
11/19/18	Mon	51	0.911	0.4	0.238	0.1	3.59	2	50.9	21.7	4.74	2.0	0.0635	0.03	4.96	2.1	7.43	3.2	0.726	0.3	2.29	1.0	177	75.3
11/27/18	Tue	166	1.14	1.6	0.178	0.2	4.54	6	31.7	43.9	7.87	10.9	0.0462	0.06	2.11	2.9	5.23	7.2	<0.500	NA	0.676	0.9	200	277.1
12/05/18	Wed	53	1.16	0.5	0.272	0.1	4.75	2	46.8	20.7	4.06	1.8	0.0611	0.03	4.09	1.8	7.61	3.4	0.781	0.3	2.25	1.0	226	100.0
12/15/18	Sat	51	0.973	0.4	0.215	0.1	8.77	4	44.2	18.8	3.69	1.6	0.102	0.04	4.19	1.8	18.8	8.0	0.672	0.3	1.87	0.8	245	104.3
12/21/18	Fri	59	0.921	0.5	0.285	0.1	3.81	2	49.2	24.2	4.30	2.1	0.102	0.05	3.46	1.7	7.16	3.5	0.688	0.3	1.69	0.8	150	73.9
12/22/18	Sat	98	1.09	0.9	0.239	0.2	4.11	3	40.8	33.4	8.90	7.3	0.0550	0.04	2.66	2.2	4.74	3.9	<0.500	NA	1.06	0.9	213	174.2
12/30/18	Sun	124	0.787	0.8	0.146	0.2	2.36	2	16.5	17.1	4.09	4.2	0.0175	0.02	0.944	1.0	2.28	2.4	<0.500	NA	0.610	0.6	73.1	75.6
			Med	**0.6**	**Med**	**NA**	**Med**	**3**	**Med**	**22.1**	**Med**	**2.6**	**Med**	**0.03**	**Med**	**2.3**	**Med**	**4.9**	**Med**	**NA**	**Med**	**0.4**	**Med**	**106.0**
			Max	**1.9**	**Max**	**0.4**	**Max**	**9**	**Max**	**51.7**	**Max**	**13.7**	**Max**	**0.11**	**Max**	**6.1**	**Max**	**21.2**	**Max**	**0.7**	**Max**	**4.2**	**Max**	**461.2**
			90% of MAHL	**14.3**	**90% of MAHL**	**57.6**	**90% of MAHL**	**128**	**90% of MAHL**	**129.5**	**90% of MAHL**	**201.3**	**90% of MAHL**	**5.76**	**90% of MAHL**	**1,186.8**	**90% of MAHL**	**671.4**	**90% of MAHL**	**509.5**	**90% of MAHL**	**5.4**	**90% of MAHL**	**330.8**
			MAHL	**15.9**	**MAHL**	**64.0**	**MAHL**	**142**	**MAHL**	**143.9**	**MAHL**	**223.7**	**MAHL**	**6.40**	**MAHL**	**1,318.7**	**MAHL**	**746.0**	**MAHL**	**566.1**	**MAHL**	**6.0**	**MAHL**	**367.6**

Abbreviation	Definition
*	Qualified data. Refer to qualifiers appendix.
Bold loading values	Indicate that the value is greater than or equal to 90% of the MAHL.
Loading (lbs)	Headworks (HW) loading in pounds: concentration(ug/L)*(1lb/453,592,370ug)*(3,785,410L/MG)*Total HW Influent Flow(MG) = lbs
	Headworks (HW) loading in pounds: concentration(mg/L)*(1lb/453,592.370mg)*(3,785,410L/MG)*Total HW Influent Flow(MG) = lbs
HW Influent Sampling Location	HDWKS1 (CBWTP: Headworks)

CBWTP Headworks Loading Comparison

Pollutants with Quantitative Local Limits	**MAHL** (lbs/day)	**Date of Highest Loading**	**Headworks Loading** (lbs/day)	**Percent of MAHL** (%)	**WQ MAHL** (lbs/day)	**High Quality Biosolids Standards** (mg/kg)
Arsenic	15.9	04/12/2018	1.9	12	4348.8	41
Cadmium	64.0	01/20/2018	0.4	1	64	39
Chromium	141.9	04/04/2018	9	6	35475.7	--
Copper	143.9	01/20/2018	51.7	36	441.7	1500
Lead	223.7	01/24/2018	13.7	6	832.3	300
Mercury	6.40	06/08/2018	0.11	2	6.4	17
Molybdenum	1,318.7	03/11/2018	6.1	0	--	75
Nickel	746.0	03/27/2018	21.2	3	8234.9	420
Selenium	566.1	04/12/2018	0.7	0	2502	100
Silver	6.0	10/25/2018	4.2	70	6	--
Zinc	367.6	02/14/2018	461.2	**125**	2273.5	2800

2018 First Quarter MAHL Review

INFLUENT DATA

Sample Date	Parameter	Concentration	*Flow Threshold	CBWTP Flow
1/20/18	Zinc	0.561 mg/L	70.7 MG	71 MG

*Flow at or above which 90% of an MAHL would be met or exceeded.

Weather Condition	Wet Weather Flow	Last Previous Rainfall
0.04" Rain	None	1/19/18: 0.14"
MAHL (lbs/day)	**90% MAHL**	**Calculated Loading (lbs/day)**
367.6	330.8 lbs/day	332.2*

INFLUENT DATA

Sample Date	Parameter	Concentration	*Flow Threshold	CBWTP Flow
2/14/18	Zinc	0.461 mg/L	86 MG	89 MG

*Flow at or above which 90% of an MAHL would be met or exceeded.

Weather Condition	Wet Weather Flow	Last Previous Rainfall
0.41" Rain	None	2/8/18: 0.01"
MAHL (lbs/day)	**90% MAHL**	**Calculated Loading (lbs/day)**
367.6	330.8 lbs/day	342.2

SUMMARY FINDINGS:

Samples taken at the headworks indicated that the loading exceeded 90% of the zinc MAHL on two occasions in the 1st Quarter of 2018. The zinc MAHL is based on inhibition. The CBWTP did not experience any upsets due to the elevated zinc influent loading.

For the 1/20/2018 sample date, the laboratory result was qualified as an estimate due to the sample being a non-homogeneous mixture. Also, the wet weather channel flow meter malfunctioned during the month of January, as such influent flow data used to calculate the 1/20/18 loadings is estimated too. This further throws into question the accuracy of the 1/20/2018 zinc loadings value.

PASS THROUGH EVALUATION

The City evaluated all 90% MAHL exceedances for pass through, comparing the actual loading to the water quality AHL for each pollutant. However, the zinc loadings were well below the zinc water quality AHL (2273.5 lbs./day), therefore there was no need to evaluate for pass through.

For 2018, CBWTP experienced no pass through, interference or biosolids land application criteria exceedances. Of the 52 samples taken in the year, 79% were less than 50% of the MAHL, therefore there is no need to re-evaluate the zinc local limit.

Form 5

Industrial Pretreatment Program

Treatment Plant Upsets

Form 5 – Treatment Plant Upsets/Problems

1. Has the Control Authority experienced any of the following?

Upset/Problem				Explanation
Interference	☐ Yes	☒ No	☐ Unknown	N/A
Pass through	☐ Yes	☒ No	☐ Unknown	N/A
Fire or explosions (including flash point violations)	☐ Yes	☒ No	☐ Unknown	N/A
Corrosive structural damage (including pH < 5.0)	☐ Yes	☒ No	☐ Unknown	N/A
Flow obstruction(s)	☒ Yes	☐ No	☐ Unknown	Oregon Oils discharged fats, oils and grease that obstructed flow. Oregon Oils' discharge permit was revoked in April 2018.
Excessive flow or pollutant concentrations	☐ Yes	☒ No	☐ Unknown	
Heat problems	☐ Yes	☒ No	☐ Unknown	N/A
Interference due to oil and grease (O&G)	☒ Yes	☐ No	☐ Unknown	Oregon Oils discharged fats, oils and grease that caused interference at a pump station. Oregon Oils' discharge permit was revoked in April 2018.
Toxic fumes	☐ Yes	☒ No	☐ Unknown	N/A
Illicit dumping of hauled waste	☐ Yes	☒ No	☐ Unknown	N/A

2. Provide a description of each instance of treatment plant upset (pass through or interference) due in whole or in part to a non-domestic discharge: *N/A*

Form 6

Industrial Pretreatment Program

Regulated Users

Form 6 – 2018 List of Regulated Users

Name of User	SIU	CIU	40 CFR Part #	NDCIU	SIC Code	Permit Issued?
Ajinomoto Foods North America Inc	Y	N		N	2038	Y
Ajinomoto Toyo Frozen Noodle	Y	N		N	2098	Y
Alpenrose Dairy	Y	N		N	2026	Y
ALSCO Inc - Linen	Y	N		N	7213	Y
American Metal Stripping LLC	Y	Y	433	N	3479	Y
Anodizing Specialties	N	Y		Y	3471	N
Apex Anodizing Inc	Y	Y	433	N	3471	Y
Aramark Uniform & Career Apparel LLC	Y	N		N	7218	Y
Arclin Surfaces LLC Portland Operations	N	Y	414	Y	2641	Y
Baker Commodities Inc	Y	N		N	2077	Y
Beltservice Corporation	N	Y	428	Y	3061	Y
Blackline Inc	Y	Y	433	N	3471	Y
CC Coatings Inc	N	Y	433	Y	3471	Y
Chevron USA Willbridge Distribution	Y	N		N	5171	Y
Chevron-Phillips 66 Willbridge Terminal	Y	N		N	2999	Y
Cintas Corporation	Y	N		N	7218	Y
Coca Cola North America	Y	N		N	2087	Y
Color FX	N	Y	433	Y	3479	Y
Columbia Steel Casting Company	N	Y	464	Y	3325	Y
Craft Brewers Alliance Inc	Y	N		N	2082	Y
Dacon Industries Co	Y	Y	428	N	3069	Y
Daimler Trucks North America	Y	Y	433	N	3711	Y
Danone US LLC	Y	N		N	2024	Y

Footnote: City of Portland has not adopted provisions for NSCIUs/MTCIUs so an alternate form 6 has been used.

Form 6 – 2018 List of Regulated Users

Name of User	SIU	CIU	40 CFR Part #	NDCIU	SIC Code	Permit Issued?
Darigold	Y	N		N	2026	Y
Darling Ingredients Inc	Y	N		N	2077	Y
Del Monte Fresh Produce NA Inc	Y	N		N	5148	Y
Donaldson & Landry Inc	N	Y	433	Y	3471	Y
Drew Paints Inc	Y	Y	446	N	2851	Y
Dura Industries	N	Y	433	Y	3479	Y
East Side Plating Inc Plant 4	Y	Y	433	N	3471	Y
East Side Plating Inc Plant 5	Y	Y	413	N	3471	Y
East Side Plating Inc Plants 1-3	Y	Y	433	N	3471	Y
EcoLube Recovery LLC	Y	Y	437	N	5093	Y
Electro-Chem Metal Finishing	Y	Y	413	N	3471	Y
ESCO Group LLC	N	Y	464	Y	3325	Y
Flint Group Packaging Inks North America LLC	Y	Y	447	N	2893	Y
Galvanizers Company	N	Y	420	Y	3471	Y
Gans Ink & Supply Company	Y	Y	447	N	2893	Y
GCL Solar Materials	Y	Y	469	N	3674	N
Harrys Fresh Foods	Y	N		N	2032	Y
House of Antique Hardware	N	Y	433	Y	3479	Y
Hydro Extrusion Portland Inc - Main Plant	Y	Y	467	N	3354	Y
Hydro Extrusion Portland Inc - Riverside	Y	Y	467	N	3354	Y
Hydro Extrusion Portland Inc - Skyport	Y	Y	433	N	3479	Y
Ink Systems Inc	Y	Y	447	N	2893	Y
ISSPRO Inc	Y	Y	433	N	3714	Y

Footnote: City of Portland has not adopted provisions for NSCIUs/MTCIUs so an alternate form 6 has been used.

Form 6 – 2018 List of Regulated Users

Name of User	SIU	CIU	40 CFR Part #	NDCIU	SIC Code	Permit Issued?
Kanto Corporation	Y	N		N	2819	Y
Kite Hill	Y	N		N	2026	Y
Lacamas Laboratories Inc	N	Y	439	Y	2834	Y
Mary's Harvest Fresh Foods	Y	N		N	2099	Y
McKenna Metal LLC	N	Y	433	Y		Y
Miller Paint Company	Y	Y	446	N	2851	N
Mondelez Global LLC	Y	N		N	2052	Y
New System Laundry	Y	N		N	7211	Y
Northwest Cascade Inc	Y	N		N	7359	Y
NRC Environmental Services Inc	Y	Y	437	N	4789	Y
Oil Re-Refining Company	Y	Y	437	N	2999	Y
Oregon Oils Inc	Y	N		N	2077	Y
Osram Opto Semiconductors Inc	Y	Y	469	N	2819	Y
Owens Corning Roofing and Asphalt LLC	Y	N		N	2952	Y
Owens-Brockway Glass Containers	Y	N		N	3221	Y
PCC Structurals - LSBS 1	Y	N		N	3324	Y
PCC Structurals Inc	Y	N		N	3324	Y
Portland Bolt & Manufacturing	N	Y	420	Y	3452	Y
Portland Bottling Company	Y	N		N	2086	Y
Portland Hospital Service Corporation	Y	N		N	7211	Y
Portland Powder Coating Inc	N	Y	433	Y	3479	Y
PPV Inc	Y	Y	437	N	4789	Y
Precision Equipment Inc	N	Y	413	Y	3599	Y

Footnote: City of Portland has not adopted provisions for NSCIUs/MTCIUs so an alternate form 6 has been used.

Form 6 – 2018 List of Regulated Users

Name of User	SIU	CIU	40 CFR Part #	NDCIU	SIC Code	Permit Issued?
Precision Powder Coating Inc	Y	Y	433	N	3479	Y
Pyramid Breweries Inc	Y	N		N	2086	Y
Rejuvenation Inc	N	Y	433	Y	3645	Y
Rodda Paint	Y	Y	446	N	2851	Y
Schoolhouse Electric Company	N	Y	433	Y	3471	Y
Siltronic Corporation	Y	Y	469	N	3674	Y
Silver Eagle Manufacturing Company	Y	Y	433	N	3715	Y
Solenis LLC	Y	N		N	2861	Y
SoloPower Systems	Y	Y	433	N	3674	N
Sunshine Dairy Foods LLC	Y	N		N	2026	Y
Superior Tank Wash Inc	Y	Y	442	N	4231	Y
Swan Island Dairy	Y	N		N	2026	Y
TCI America - Headquarters	Y	Y	414	N	2869	Y
TCI America - Oregon Research Center	Y	Y	439	N	2833	Y
Technical Finishes and Coatings	N	Y	433	Y	3471	Y
Thortex	Y	Y	433	N	3841	Y
Tice Industries Inc	N	Y	433	Y	3429	N
UniFirst Corporation	Y	N		N	7213	Y
Vancouver Iron and Steel (CARCO)	N	Y	464	Y	3325	N
Vigor Industrial LLC	Y	N		N	3731	Y
Yoshida Group	Y	N		N	5141	Y
Zenith Energy Terminal Holding LLC	Y	Y	419	N	2911	Y

Footnote: City of Portland has not adopted provisions for NSCIUs/MTCIUs so an alternate form 6 has been used.

Form 6 - Comments

Industry	Previous Class	New Class	Comments
Ajinomoto Foods North America Inc	P-1	P-1	Name Change. Formerly Ajinomoto Windsor Inc
American Metal Stripping	P-1	P-1	Name Change. Formerly American Metal Cleaning
Anodizing Specialties	P-4	OOB	Anodizing Specialties. OOB 9/5/18.
Baker Commodities	P-2	P-1	Class change
Danone US LLC	P-1	P-1	Name Change. Formerly Dannon Company
Darling Ingredients	P-2	P-1	Class change
EcoLube Recovery LLC	P-1	P-1	Name Change. Formerly American Petroleum Environmental Services
ESCO GROUP LLC	P-1	P-4	Name Change from ESCO Corporation (Plant #3) on 7/11/18. No longer discharging.
Flint Group Packaging Inks North America LLC	P-1	P-1	Name Change. Formerly Flint Group North American Corp
GCL Solar Materials	P-1	OOB	OOB 4/20/18.
Hydro Extrusion Portland Inc – Main Plant	P-1	P-1	Name Change. Formerly Sapa Profiles – Main Plant
Hydro Extrusion Portland Inc - Riverside	P-1	P-1	Name Change. Formerly Sapa Extrusions – Riverside Extrusion Facility
Hydro Extrusion Portland Inc - Skyport	P-1	P-1	Name Change. Formerly Sapa Profiles – Coatings Division
Kite Hill	P-1	P-1	Name Change. Formerly Sunshine Dairy East
McKenna Metal LLC	NPR	P-4	New Permit NDCIU
Miller Paint Company	P-1	NPR	Facility removed categorical processes. Permit closed 12/11/2018.
Oregon Oils Inc	P-1	None	Permit terminated/revoked by the City of Portland 4/18/2018
Osram Opto Semiconductors Inc	N/A	P-1	New Permit issued 12/22/2018
SoloPower Inc	P-1	OOB	OOB 9/26/18
Technical Finishes and Coatings	P-1	P-4	Facility no longer discharging as of 8/2/2018.
Thortex	NPR	P-1	New permit as of 6/22/2018
Tice Industries Inc	P-4	OOB	Business relocated out of Portland 12/10/18
Vancouver Iron and Steel (CARCO)	P-4	OOB	OOB. Permit terminated as of 7/20/18
Yoshida Group	P-2	P-1	Permit class change as of 12/20/18

IU Class/Status	
P-1	Significant Industrial User (SIU)
P-2	Non-Significant Industrial User (NSIU)
P-4	Non-Discharging/Non-SIU Categorical Industrial Users (NDCIU)
NP	Non-Permitted Industrial User
NPR	No Permit Required
OOB	Out of Business
ADCM	Alternative Discharge Control Mechanism

Form 6A

Industrial Pretreatment Program

Industrial Survey Update

Form 6a - Industrial Survey Update

Name of Industry	Survey Returned	Permit Application Required	Permit Application Returned	Permit Issued
A&B SHEET METAL CO	Yes	No	No	No
Acrylic Technologies	Yes	No	No	No
Airgas	Yes	No	No	No
American Machine and Gear, Inc.	Yes	No	No	No
American Metal Products Co.	Yes	No	No	No
American Metals Corp dba Lampros Steel	Yes	No	No	No
American Red Cross	Yes	Under staff review	No	No
American Sani-Can	Yes	No	No	No
Anderson Paper and Packaging	Yes	No	No	No
Arrow Sanitary Service	Yes	No	No	No
ASH Fabrication LLC	No	Under staff review	No	No
Back Pedal Brewing	Yes	No	No	No
Began Tank Truck	Yes	No	No	No
Black Rock Roasting	Yes	No	No	No
Breakside Brewery	Yes	No	No	No
Brew Dr. Kombucha	Yes	No	No	No
Bridge City Steel	Yes	No	No	No
Brighton Best	Yes	No	No	No
Cascade Rubber Products	Yes	No	No	No
CDK Global	Yes	No	No	No
CFMW, LLC	Yes	Under staff review	No	No
Cloudburst Recycling	Yes	No	No	No
Coast Aluminum Architectural	Yes	No	No	No
CWallA	Yes	No	No	No
Denton Plastics	Yes	No	No	No
ELECTROSTATIC REFINISHERS	Yes	No	No	No

Form 6a - Industrial Survey Update

Name of Industry	Survey Returned	Permit Application Required	Permit Application Returned	Permit Issued
Empire Rubber & Supply Co	Yes	No	No	No
Exide Technologies	Yes	No	No	No
Finex Cast Iron Cookware	Yes	No	No	No
Finic Inc	Yes	No	No	No
Flair Plastic Products	Yes	No	No	No
Flatline Fabrication	Yes	No	No	No
FleetPride, Inc.	Yes	No	No	No
Form 3D Foundry LLC	Yes	Under staff review	No	No
Formed Objects	Yes	No	No	No
Gebhardt Machine Works	Yes	No	No	No
General Threaded Products	Yes	No	No	No
Gilmer Woods	Yes	No	No	No
Glass Alchemy	Yes	No	No	No
Great Western Ink	Yes	No	No	No
Green Anchors LLC	Yes	No	No	No
Griffith Rubber Mill	Yes	No	No	No
Ground Breaker Brewing	Yes	No	No	No
GTS INTERIOR SUPPLY	Yes	No	No	No
Hinged Strung Stitched	Yes	No	No	No
IFCO Systems	Yes	Yes	Yes	No
Iliamna Fish Company LLC	Yes	No	No	No
Ink Brigade	Yes	No	No	No
IRC ALUMINUM & STAINLESS INC	Yes	No	No	No
Jacobsen Salt Company	Yes	No	No	No
JC Rice Noodle Shop and Restaurant	Yes	No	No	No
JLE Enterprises Inc	Yes	Yes	Yes	No

Form 6a - Industrial Survey Update

Name of Industry	Survey Returned	Permit Application Required	Permit Application Returned	Permit Issued
Jopp Energy	Yes	No	No	No
LaGrand Industrial Supply Co Upper Warehouse	Yes	No	No	No
LaGrand Industrial Suppy Co Lower Warehouse	Yes	No	No	No
Latitudes	Yes	No	No	No
Logan Laboratories	Yes	No	No	No
Maak Lab	Yes	No	No	No
Macadam Aluminum and Bronze	Yes	No	No	No
MAJESTIC CLEANERS & LAUNDRY	Yes	No	No	No
MALETIS BEVERAGE CORP	Yes	No	No	No
Medrock	Yes	No	No	No
Metal Supermarkets	Yes	No	No	No
Morel Ink	Yes	No	No	No
New Avenues INK	Yes	Under staff review	No	No
New Deal Distillery	Yes	No	No	No
North American Mechanical Services	Yes	No	No	No
NORTHWEST CONTAINER SERVICES	Yes	No	No	No
NORTHWEST COPPER WORKS INC	Yes	No	No	No
NW Bark Supply	Yes	No	No	No
Old Car Parts	Yes	No	No	No
Oregon Leather Co.	Yes	No	No	No
OREGON SCREEN IMPRESSION	Yes	Yes	Yes	No
Orox Leather Co.	Yes	No	No	No
Osram Opto Semiconductors Inc	Yes	Yes	Yes	Yes
OVERSEAS MERCHANDISE INSPECTION CO	Yes	No	No	No
Paragon Bioteck Inc	Yes	No	No	No
PDX Pharmaceuticals	Yes	No	No	No

Form 6a - Industrial Survey Update

Name of Industry	Survey Returned	Permit Application Required	Permit Application Returned	Permit Issued
PEP Printing dba PREMIER PRESS	Yes	No	No	No
PET NET PHARMACEUTICAL SVC	Yes	No	No	No
Polar Service Center	Yes	No	No	No
PORTLAND DISPOSAL & RECYCLING	Yes	No	No	No
Portland Leather Goods	Yes	No	No	No
Portland Pet Food Company	Yes	No	No	No
PORTLAND PRECISION MFG CO	Yes	No	No	No
Portland Razor Company	Yes	No	No	No
Portland Waterjet	Yes	No	No	No
Power Plastics Corporation	Yes	No	No	No
Precision Electro Coat	Yes	No	No	No
Precision Powder Coating Inc	Yes	Yes	Yes	Yes
Premier Metal Finishing	Yes	No	No	No
Premier Press	Yes	No	No	No
Pulp and Deckle	Yes	No	No	No
Red Clouds Collective	Yes	No	No	No
River City Environmental	Yes	No	No	No
Savoy Studios	Yes	No	No	No
Schiller & Vroman	Yes	No	No	No
SDD-BIP LLC	Yes	No	No	No
Sierra Springs	Yes	Yes	Yes	No
SIMPLOT PARTNERS	Yes	No	No	No
Soy Beam Company	Yes	No	No	No
STB COATINGS	Yes	No	No	No
Stumptown Coffee	Yes	No	No	No
Swan Island Sheet Metal	Yes	No	No	No

Form 6a - Industrial Survey Update

Name of Industry	Survey Returned	Permit Application Required	Permit Application Returned	Permit Issued
Tandy Leather	Yes	No	No	No
TARR ACQUISITIONS LLC	Yes	No	No	No
Thanh Son Tofu of Portland	No	Under staff review	No	No
Tom's Auto Painting	Yes	No	No	No
Tonic Fabrication	Yes	No	No	No
Triad Isotopes	Yes	No	No	No
Tricol Biomedical	Yes	No	No	No
Tubular Solutions	Yes	No	No	No
Ultimate RB Inc	Yes	No	No	No
Unisource Mfg, Inc.	Yes	No	No	No
UPS Customer Service	Yes	No	No	No
UPS Portland South	Yes	Yes	Yes	Yes
Veritiv	Yes	No	No	No
Versa-Tech Metal Fab Inc	Yes	Under staff review	No	No
Wacker Sanitary LLC	Yes	No	No	No
West Coast Metals	Yes	No	No	No
Willamette Dry Clean and Alterations	Yes	No	No	No
Willamette Valley Meat Co	Yes	Under staff review	No	No
Wood Block Chocolate	Yes	No	No	No
Zoiglhaus Brewing Company	Yes	No	No	No

Form 7

Industrial Pretreatment Program

SIU Compliance & Oversight Summary

Form 7 – 2018 Compliance/Oversight Summary

Name of SIU	Permit Expiration	Number of Inspections	POTW Sampling	SIU Self-Monitoring	SNC Q1	SNC Q2	SNC Q3	SNC Q4
Ajinomoto Foods North America Inc	Jul 15, 2019	1	4	12				
Ajinomoto Toyo Frozen Noodle	Apr 25, 2021	1	2	12				
Alpenrose Dairy	Sep 15, 2022	1	4	12				
ALSCO Inc - Linen	Dec 1, 2020	1	4	12				
American Metal Stripping LLC	Sep 1, 2023	1	2	4				A
Apex Anodizing Inc	Dec 1, 2020	1	2	4	C			A
Aramark Uniform & Career Apparel LLC	Dec 1, 2022	1	2	4				
Baker Commodities Inc	Jun 1, 2019	1	4	12				
Blackline Inc	May 11, 2019	1	2	4				
Chevron-Phillips 66 Willbridge Terminal	Aug 15, 2022	1	1	2				
Cintas Corporation	Nov 30, 2023	1	4	4				
Craft Brewers Alliance Inc	Jan 1, 2021	1	1	12				
Dacon Industries Co	May 14, 2020	1	1	2				
Daimler Trucks North America	Jun 15, 2022	1	2	12				
Danone US LLC	Nov 1, 2019	2	4	14				
Darigold	Apr 1, 2019	1	12	12				
Darling Ingredients Inc	Jul 1, 2023	2	2	2				
Drew Paints Inc	Feb 15, 2019	1	NA	2				
East Side Plating Inc Plant 4	Feb 15, 2023	1	6	12				
East Side Plating Inc Plant 5	Nov 15, 2023	1	4	12				
East Side Plating Inc Plants 1-3	Apr 30, 2022	1	4	12	A	A		A
EcoLube Recovery LLC	Apr 1, 2021	1	2	12				
Electro-Chem Metal Finishing	Nov 30, 2023	1	4	4				
Flint Group Packaging Inks North America LLC	Dec 1, 2020	1	NA	2				

A – SNC with Applicable Pretreatment Standards B – SNC with Self-Monitoring C – SNC with Reporting D – SNC with Compliance Schedule

Form 7 – 2018 Compliance/Oversight Summary

Name of SIU	Permit Expiration	Number of Inspections	POTW Sampling	SIU Self-Monitoring	SNC Q1	SNC Q2	SNC Q3	SNC Q4
Gans Ink & Supply Company	Dec 15, 2019	1	NA	2				
Harrys Fresh Foods	May 30, 2023	1	2	11			A	
Hydro Extrusion Portland Inc - Main Plant	Aug 15, 2023	1	4	12				
Hydro Extrusion Portland Inc - Riverside	Jun 15, 2020	1	1	2				
Hydro Extrusion Portland Inc - Skyport	Sep 15, 2019	1	2	2				A
Ink Systems Inc	Mar 15, 2022	1	NA	2				
ISSPRO Inc	May 1, 2020	1	1	2				
Kanto Corporation	May 1, 2020	1	1	12				
Kite Hill	Jun 20, 2022	1	12	12				
Mary's Harvest Fresh Foods	Jul 15, 2022	1	12	12				
Mondelez Global LLC	Mar 6, 2020	1	4	12				
New System Laundry	May 1, 2023	1	2	12				
Northwest Cascade Inc	Apr 1, 2022	2	1	2				
NRC Environmental Services Inc (1A)	May 1, 2022	1	4	10				
NRC Environmental Services Inc (1C)	May 1, 2022	1	0	1				
NRC Environmental Services Inc	May 1, 2022	1	4	10				
Oil Re-Refining Company – CWT 1A	Sep 15, 2023	2	4	4	A			
Oil Re-Refining Company – CWT 2A	Sep 15, 2023	2	2	12				
Oregon Oils Inc	Apr 30, 2018	1	2	4	A	A		
Osram Opto Semiconductors Inc	Dec 15, 2023	1	0	2				
Owens Corning Roofing and Asphalt LLC	Oct 25, 2019	1	2	4				
Owens-Brockway Glass Containers	Oct 1, 2020	1	2	4				
PCC Structurals - LSBS 1	Dec 15, 2022	1	1	2				
PCC Structurals Inc	Jul 1, 2019	1	2	12				

A – SNC with Applicable Pretreatment Standards B – SNC with Self-Monitoring C – SNC with Reporting D – SNC with Compliance Schedule

Form 7 – 2018 Compliance/Oversight Summary

Name of SIU	Permit Expiration	Number of Inspections	POTW Sampling	SIU Self-Monitoring	SNC Q1	SNC Q2	SNC Q3	SNC Q4
Portland Bottling Company	Apr 15, 2020	1	4	12				
Portland Hospital Service Corporation	Oct 22, 2023	1	4	6				
PPV Inc – 1B	May 1, 2019	1	4	12				
PPV Inc – CWT-1D	May 1, 2019	1	8	12	A	A	A	
PPV Inc – CWT-1C	May 1, 2019	1	2	4	A	A	A	A
Precision Powder Coating Inc	Dec 15, 2022	1	1	2				
Pyramid Breweries Inc	Apr 1, 2020	1	12	12				
Rodda Paint	Dec 1, 2022	1	NA	2				
Siltronic Corporation	Mar 15, 2021	1	2	2				
Silver Eagle Manufacturing Company	Dec 15, 2019	1	2	4				A
Solenis LLC	Aug 1, 2019	1	2	4				
Superior Tank Wash Inc	Aug 30, 2023	1	10	12				
Swan Island Dairy	Jun 6, 2020	1	12	12				
TCI America - Headquarters	Jul 15, 2021	1	1	6				
TCI America - Oregon Research Center	Oct 1, 2020	1	1	2				
Technical Finishes and Coatings	Jan 1, 2023	1	2	4			A	A
Thortex	Jun 1, 2023	1	0	2				
UniFirst Corporation	Jan 1, 2020	1	12	12				
Vigor Industrial LLC	Nov 15, 2022	1	1	10				
Yoshida Group	Nov 30, 2023	1	2	12				
Zenith Energy Terminal Holding LLC	Feb 28, 2020	1	2	2				

A – SNC with Applicable Pretreatment Standards B – SNC with Self-Monitoring C – SNC with Reporting D – SNC with Compliance Schedule

Form 7 Comments – Significant Industrial Users Sampled Less Than Once per Year - 2018

Industry Name	Explanatory Statement
Drew Paints, Inc.	Certified non-discharging CIU subject to a zero-discharge standard and is listed as a SIU following DEQ guidance.
Flint Ink North American Corporation	Certified non-discharging CIU subject to a zero-discharge standard and is listed as a SIU following DEQ guidance.
Gans Ink & Supply Company	Certified non-discharging CIU subject to a zero-discharge standard and is listed as a SIU following DEQ guidance.
Ink Systems	Certified non-discharging CIU subject to a zero-discharge standard and is listed as a SIU following DEQ guidance.
NRC Environmental Services Inc	Facility is a centralized waste treater with multiple points of compliance. Organic wastes are discharged through POC 1C which only happened once in 2018. The City was unable to collect a sample during the industry's single organic batch discharge. NRC's permit has been modified to better ensure the City can sample this infrequent waste stream.
Osram Opto Semiconductors Inc	New permittee in 2018. City monitoring has been scheduled for 2019.
Rodda Paint	Certified non-discharging CIU subject to a zero-discharge standard and is listed as a SIU following DEQ guidance.
Thortex	New permittee with City monitoring scheduled for 2019.
Technical Finishes and Coatings	Industry failed to notify the City of batch discharges and failed to self-monitor discharges. SIU permit was terminated in 2018 and industry was issued an NDCIU permit.

*Industries with continuous pH monitoring have been reported according to the permittee's self-monitoring schedule of POCs (as required by DEQ) and represented in the number of events where all POCs were sampled. SIUs with continuous pH as their only POC self-monitoring requirement have been recorded as 12 sampling events.

**All NDCIUs ("NA" under City monitoring) are required to submit a "No Discharge Certification" statement semi-annually for self-monitoring that is signed by an authorized representative meeting the criteria found in 40 CFR Part 403.12(l), which certifies compliance or noncompliance with the limit established in Schedule A of their permit. Additionally, logs of all process wastewater shipped off site and logs of all process wastewater evaporated on site. This copy of this log shall be kept onsite and submitted with each semi-annual compliance report and include the volume, date shipped, D.O.T. classification, and destination of all liquid process wastewater.

PUBLIC NOTICES

PUBLIC NOTICES

› PUBLIC NOTICES GENERAL

› PUBLIC NOTICES GENERAL

East Multnomah Soil and Water Conservation District
Budget Committee Meeting for April 2019

The East Multnomah Soil and Water Conservation District (EMSWCD), serving all of Multnomah County East of the Willamette River, will hold its second meeting of the Fiscal Year 2019-20 Budget Committee on Mon. April 1, 2019, at 5:00 pm at the District Office, 5211 N Williams Ave, Portland, OR, 97217. The agenda will include review of the budget and discussion. Public questions and comments will be taken at this meeting and copies of revised budget will be available at the District office or online at http://emswcd.org/about/organizational-resources/budgets-reports-and-plans/. District office is ADA accessible, served by bus lines # 44, 72, 6. For Americans with Disabilities Act accommodations call (503) 222-7645 x 100 by 3/25/19; for information call the District at (503) 222-7645.

The East Multnomah Soil and Water Conservation District (EMSWCD) is a unit of local government whose mission is to help people care for land and water. The EMSWCD is led by an elected board of five directors and works entirely on a voluntary, non-regulatory basis with landowners, land managers, and other residents east of the Willamette River centerline in Multnomah County. All of the EMSWCD's work is geared toward keeping water clean, conserving water and keeping soil healthy.

Contact Lindsay Nelson, our Office Manager, with any questions about Board of Directors and Committee Meetings at lindsay@emswcd.org or (503) 222-7645. Learn more about us at http://emswcd.org

---

Public Notice Re: Acquisition of Interest in NexDent Dental Plan, Inc.
by Catalyst Institute, Inc.

NOTICE OF PUBLIC HEARING
Before the Insurance Commissioner of the State of Oregon
Department of Consumer and Business Services

In the matter of the Acquisition of Control of NexDent Dental Plans, Inc. by Catalyst Institute, Inc.; DentaQuest Group, Inc; DentaQuest, LLC; DentaQuest Care Group Management, LLC; and Advantage Community Holding Company, LLC by means of a transaction in conjunction with Advantage Consolidated, LLC

March 14, 2019 at 6:00 p.m.
Department of Consumer and Business Services
Division of Financial Regulation
Conference Call 1-888-808-6929, Code: 3255610

Catalyst Institute, Inc. ("Catalyst") is a Massachusetts charitable corporation and, through its various subsidiaries, is one of the largest dental benefits administrators in the United States. Catalyst's subsidiaries include insurance and managed care companies domiciled in California, Florida, Massachusetts, Oregon and Texas, which are licensed to conduct insurance and managed health care business in more than 40 states. The Oregon-domiciled subsidiary is Advantage Dental Plan, Inc.("ADPI"), a wholly-owned subsidiary of Advantage Community Holding Company, LLC ("ACHC"), which in turn is 80% owned by DentaQuest Care Group Management, LLC. Advantage Consolidated, LLC owns the remaining 20% interest in ACHC.

NexDent Dental Plan, Inc. ("NexDent") is an Oregon insurance company owned by Lambert T. Van Eerden, Jr., Kevin W. Bole, Jerald Wilbur, The TSE Family Revocable Trust and Master Dentist Institute, Inc.

Pursuant to an Agreement and Plan of Stock Purchase and Merger, ADPI will acquire all of the capital stock of NexDent and, immediately thereafter, NexDent will be merged with and into ADPI.

As required by law a public hearing is scheduled for March 14th, 2019, to allow the public to learn more about the transaction and for the Department of Consumer and Business Services of the State of Oregon to accept public comment on the proposed transaction. The hearing will be conducted by conference call. More information can be found at: https://dfr.oregon.gov/business/reg/insurer/mergers/Pages/nexdent-advantage.aspx

If you wish to provide public comment, you may do so at the hearing or you may provide public comment in writing until 5:00 p.m. on March 21st, 2019. Written comments should be emailed to FormANexdent.DFR@oregon.gov or mailed to Oregon Department of Consumer and Business Services, Division of Financial Regulation, ATTN: NexDent Form A, P.O. Box 14480, Salem, OR 97309-0405. Written comments must be RECEIVED by the Division of Financial Regulation by the deadline.

Public Notice of Industries in Significant Noncompliance with Pretreatment Regulations in 2018

The federal pretreatment regulations, 40 CFR Part 403.8(f)(2)(vii), requires City of Portland ("the City") to annually publish industries that were in significant noncompliance with local, state, or federal pretreatment requirements. This notice lists the companies that were in significant noncompliance with their industrial wastewater discharge permits during 2018. Unless otherwise stated, all companies in this list have fulfilled the enforcement action requirements associated with the violation(s).

American Metal Stripping, Inc. – 9940 N Vancouver Way, was in significant noncompliance during the 4th quarter of 2018 for the daily maximum limit violations of molybdenum.

Apex Anodizing Inc. – 7015 NE Columbia Blvd, was in significant noncompliance in the 1st quarter of 2018 for failure to submit a required compliance report within 30 days, and in significant noncompliance during the 4th quarter of 2018 for zinc monthly average limit violations.

East Side Plating, Plants #1-3 – 8400 SE 25th Place, was in significant noncompliance for three quarters for monthly average limit violations: 1st quarter for copper, nickel, and zinc; 2nd quarter for nickel and zinc; and 4th quarter for zinc.

Harry's Fresh Foods – 17711 NE Riverside Parkway, was in significant noncompliance for the 3rd quarter of 2018 due to interference with the City's collection system and for failure to submit a required report within 30 days.

Hydro Extrusions Portland, Inc. (Skyport) – 5325 NE Skyport Way, was in significant noncompliance during the 4th quarter of 2018 for monthly average limit violations of chromium.

Oil Re-Refining Company – 4150 N Suttle Road, was in significant noncompliance during the 1st quarter of 2018 for the daily maximum limit violations of molybdenum.

Oregon Oils – 2515 NW 28th Ave, was in significant noncompliance for the 1st and 2nd quarters of 2018 due to illicit discharges of fats, oils, and grease that caused, alone or in combination with other materials, interference in the City's collection system. The City exercised its emergency authority to halt the discharge and to terminate Oregon Oils' wastewater discharge permit. Oregon Oils is currently in the appeal process for the violations.

PPV, Inc. – 4927 NW Front Ave, was in significant noncompliance in all quarters of 2018: 1st quarter for daily maximum limit violations of vanadium and monthly average limit violations of 4-methylphenol and vanadium; 2nd quarter for daily maximum limit violations of titanium and monthly average limit violations of 4-methylphenol and titanium; 3rd quarter for daily maximum limit and monthly average limit violations of 4-methylphenol and titanium; and 4th quarter daily maximum limit and monthly average limit violations of 4-methylphenol and copper.

Silver Eagle Manufacturing Company – 5825 NE Skyport Way, was in significant noncompliance for the 4th quarter of 2018 for monthly average limit violations of zinc.

Technical Finishes & Coatings, Inc. (TFC) – 9120 SE 64th Ave, was in significant noncompliance for the 3rd and 4th quarters of 2018 due to daily maximum limit and monthly average limit violations of cadmium, copper, nickel, and zinc. TFC was also in significant noncompliance during the 3rd quarter of 2018 due to daily maximum limit violations of pH and due to illicit discharges of process wastewater. The City exercised its emergency authority to halt the discharge and to terminate TFC's wastewater discharge permit.

› PUBLIC NOTICES GENERAL

Self Storage Public Auction
Sales will take place on
www.storagetreasures.com
Bidding will close at 10am,
Friday, March 29, 2019
Safe Stor North
3715 Blossom Dr. North
Salem, OR 97305
Unit I53 – Daniel Baca
Unit I4 – Rodney Kuschnick
Unit E18 – Roberto Gaona
Unit C14 - Riegna Breaux
Safe Stor West
350 Glen Creek Rd. NW
Salem, OR 97304
Unit G004 - Bruce Wagner
Unit B095 – Anthony Jefferson
Unit J003 – Jose Zambrano
Sentinel Self Storage
15555 SW Tualatin – Sherwood Rd.
Sherwood, OR 97140
Unit 8160 – Valeria Barbosa-Martinez
Unit 8105 – Tim Pentz
Unit 7102 – Ethan Kurtz
Rose City Self Storage & Wine Vaults
111 SE Belmont St.
Portland, OR 97214
Unit 306 – Alexander Lewis
Unit 522 – Mike Walker
Unit 248 – Thomas Rohr
West Coast Storage Lake Oswego
5650 Rosewood St.
Lake Oswego, OR 97035
Unit 3137 – Jacqueline Paulson
Unit 1047 - Chris Berry
Unit 4038 – Ke Feng

Public Meeting

A public meeting of the Washington County Consolidated Communications Agency's Chief Executive Officers Board will be held at 1:30 pm on March 21, 2019 at 17911 NW Evergreen Place, Beaverton, OR. Items to consider include routine business & financials.

PUBLIC NOTICE

Providence Park, 1844 SW Morrison St. and Peregrine, LLC.

A City Council Hearing has been set to consider changes to existing agreements for Providence Park: the updated Good Neighbor Agreement and Comprehensive Transportation Management Plan. The City Council hearing is scheduled for **9:45 a.m. on April 17, 2019 in the City Council Chambers at City Hall, 1221 SW 4th Ave.** to ensure that procedural steps have been followed and to approve, approve with modifications, or reject in accordance with local policy. Public input is welcome. Documents are available for viewing at:
timbers.com/GNA_CTMP

SALEM POLICE DEPARTMENT
SALEM, OREGON
February 20, 2019

NOTICE OF UNCLAIMED PROPERTY

The Salem Police Department has in its physical possession the unclaimed property described below. If you have any ownership interest in any of this unclaimed property, you must file a claim with the Salem Police Department, before Wednesday, March 20, 2019 or you will lose your interest in this property.

Lawn equipment, chain saws, I-pads, miscellaneous jewelry, domestic and foreign money, sports memorabilia, gaming consoles, cameras, miscellaneous tools, musical instruments, bicycles, television sets, chairs, tables, miscellaneous clothes and accessories, construction tools and power equipment.

You will be required to describe the item and provide legitimate proof of purchase and/or ownership. To inquire or file a claim, please contact:

The Salem Police Evidence & Property Room
[illegible] Liberty St SE, Suite 130
Salem, OR 97301
[illegible] call (503) 588-6104

PUBLIC NOTICE

The Bo[illegible] of Directors of Clean Water S[illegible]ices (District) will hold a public [illegible]earing for the purpose of taking [illegible]omments on the proposed chang[illegible] to the District's Design and Const[illegible]ction Standards. The hearing w[illegible]be held in the Auditorium of the P[illegible]lic Services Building, 155 N. First [illegible]e., Hillsboro, Or, on Tuesday, Marc[illegible]6, 2019 at 6:30 p.m. The proposed changes to the Design and Const[illegible]ction Standards will be available [illegible]ursday, March 14, 2019 on the D[illegible]rict's website at www.cleanwate[illegible]rvices.org/dncupdate, or a copy [illegible] the proposed Design and Const[illegible]ction Standards may be obtained at the District's Administration [illegible]lding at 2550 SW Hillsboro Hwy, [illegible]sboro, Or 97123.
The fa[illegible]ity is wheelchair accessible. Assis[illegible]e Listening Devices, qualified [illegible]n language or bilingual interpreters are available upon request by c[illegible]ng (503) 681-3600. Persons with [illegible]paired hearing can call (503) 681-[illegible]1 (TDD). To ensure availability of these services, please notify the [illegible]trict of your request no later than [illegible]:00 p.m., Friday, March 22, 201[illegible] the above numbers.
All [illegible]erested persons are invited to att[illegible]d and be heard.

SALE OF Abandoned Manufactured Home: One (1) 1990 Liberty manufactured dwelling, Plate No.X208034, Vehicle Identification No.261777, has been abandoned Madeline Davalos. The home is located at 10701 SE Highway 212, Space Maple 6, Clackamas, Oregon, 97015. Sale shall be by private bidding, with sealed bids. Bids to be delivered to: Kim Bomark, 10701 SE Hwy 212, Leasing Office, Clackamas, Oregon, 97015 no later than March 28, 2019 at 8:00 am. Please contact Kim Bomark for more information and/or questions at (503) 656-1250.

› PUBLIC NOTICES GENERAL

Notice: One 1968 BROADMORE Manufactured Home ID# 162565 owned by Doris Brown located at 10405 SW Denney Rd. #91 Beaverton, Oregon 97005 in Hidden Village Mobile Park is now considered abandoned by the Landlord. The Landlord will dispose of the Manufactured Home by private bidding. The Landlord will be accepting sealed bids for the Manufactured Home. You may contact the Resident Manager Larry Wilson at: 503-646-5515 to inspect the Manufactured Home. The sealed bids will be opened on 3/31/2019 at 9:00am.

Invitation to Bid
City of Milwaukie • Kronberg Park Multi-Use Walkway • CIP-D29
Bids due 2:00 pm – March 26, 2019

Sealed bids for Kronberg Park Multi-Use Walkway will be received at the City of Milwaukie Engineering Department Office located at 6101 SE Johnson Creek Boulevard, Milwaukie, OR 97206 until 2:00 p.m. on March 26, 2019, at which time the sealed bids will be publicly opened and read. Bids received after 2:00 p.m. shall not be considered.

The work includes providing all labor, materials, machinery, tools, equipment and other means of construction necessary and incidental to the completion of the work shown on the plans and described in specifications including, but not necessarily limited to the following:
• Construction of bridge, boardwalk, sidewalk, curb, roadwork, and other miscellaneous appurtenances.

All work is to be completed by December 31, 2019.

The Contract Documents may be examined at
http://bids.milwaukieoregon.gov/

Interested parties will need to create a free login account to view contract documents. The account will be used to notify plan holders of any addenda throughout the bidding process.

All bids shall be submitted on the furnished Bid Submission Packet in a sealed envelope plainly identifying the project name, project number, bid opening time and date, bidder's name, and contractor's license number. Sealed bids shall be addressed to City of Milwaukie, Engineering Department, 6101 SE Johnson Creek Boulevard, Milwaukie, OR 97206. All bids shall be submitted in the prescribed form and said manner as indicated in the Information for Bidders. Bids shall be accompanied by a certified check, cashier's check, or bid bond executed in favor of the City of Milwaukie in an amount of ten percent (10%) of the total bid amount. Bidders shall be pre-qualified with the Oregon Department of Transportation, in the Class of Work as appropriate prior to the public opening and reading of the bids.

The Engineers Estimate ranges from $1,558,400 to $1,818,000.

No bid will be considered unless the bid contains, or is accompanied by, a statement by the bidder that the provisions required by ORS 279C.838 or ORS 279C.840, as applicable, pertaining to prevailing wages, shall be included as part of the Contract.

For additional information, contact Jennifer Garbely at (503) 786- 7534.

Dated this 5th day of March 2019.

NOTICE OF PUBLIC SALE

To satisfy the owner's storage lien, PS Orange Co. Inc. will sell at public lien sale the personal property in the below-listed units, which may include but are not limited to: household and personal items, office and other equipment. The public sale of these items will begin at 09:30 AM on the below- listed dates and continue until all units are sold.

Public Storage - Sale Date March 21, 2019 9:30am

19426 S Molalla Ave Oregon City- 0025 - Parker, Andrea; 0043 - Mclain, Fawn; 0084 - Gorden, Robert; 0114 - Leon, Brandon; 0116 - Olson, Justin; 0239 - Tenney, Sherrie; 0289 - Samson, Janet; 0296 - Fletcher, Darin, **17501 SE McLoughlin Milwaukie-** A016 - Mott, Angela; B070C - Hassey, Michael; C078 - Valencia, James; C093 - Wright, Del; C128 - Englilsh, Danal; C136 - Blair, Kayla; C156 - Macmurray, Garrett; C172 - Whiteside, Zachary; D221 - Cooper, Joseph; D267 - Short, Desiree; D292 - Bartlett, Tina; D299 - Pinkley, Rose; D303 - Ayala, Jose; D306 - Turner, Kyna; D311 - Mcmichael, Kristi; D321 - Bagby, Joshua; D347 - Poupplrt, Brenda; E395 - Becker, Chad; F456 - Botefur, Julisa; P002 - Estrada, Sergio, **13325 SE McLoughlin Milwaukie-** C022 - Mccomb, Jason S; D008 - Dvorak, Richard; D032 - Williams, Carrie; D052 - Ayers, Brieanne; D096 - Crist, Lenny; D109 - Jaye, Kayla; E020 - Lauzon, Kristan; E021 - Leonard, Adrienne; E031 - Coy, Mike; F039 - Smith, Rox Anne Jetine; F077 - Ashenberner, Teresa; F084 - Grishchuk, Sergey; G009 - Manley, Donald; G011 - Attiliano, Dominick, **3701 SE International Way Milwaukie-** 0512 - Lighty, Kathie; 0518 - Perez, Yvette; 0570 - Meye, Bradley, **11800 SE 40th Milwaukie-** B043 - Dobson, James; B045 - Chamberlain, Chris; B097 - Kerr, Ian; D042 - Mathews, Paige; D052 - Stovall, Dennis; D067 - Inmon, Jennifer; D134 - Nellson, Paul; D156 - Yarbour, Rhonda, **7402 SE 92nd Ave Portland-** A026 - Pate, Daniella; B030 - Turner, Sarah; C007 - Pasley, James; D017 - Ryan, James; D068 - Willard, Leslie; D070 - Weaver, David; D075 - Hill, Jolena; D085 - Demeter, Lisa; D087 - Kelly Sr, James; D100 - Smith, Jeffrey; D109 - Brown, Jo Shona; D111 - Zook, Michael; D148 - Lewis, Ashley; D196 - Anderson, Jeffrey; D254 - Gathright, Jennifer; D264 - Marchant, Valerie; D719 - Friswold, Kimberly; D724 - Jones, Aimee, **11485 SE 82nd Ave Happy Valley, OR-** A042 - Beach, Janel; A073 - Kelley, Colton; A081 - Lanier, Kelley; B026 - Castaneda, Emmaly; C001 - Miller, Sarah; C044 - Cunningham, Robynn; E059 - Mccolyn, Mary; E103 - Brown, Joshua; E113 - Motola, Kyle; F001 - Mcinnis, Tyler; F049 - Sabroski, Jennifer

Public Storage - Sale Date March 22, 2019 9:30am

8437 SW Barbur Blvd Portland- 3055 - Taylor, Tory'a; 4078 - Sandercock, Derrill; 4167 - Couture, Raelynn; 5090 - Wilder, Corin; 5111 - Burggraf, Nichole; 5130 - Tuttle, Joshua; 5146 - Collins, Linda, **10315 SW Barbur Blvd Portland-** 1299 - Sweeney, Warren; 2034 - Mcdonald Peterson, David; 2160 - Olive, Robert; 2253 - Overbay, Laurie; 3004 - Hanson, John; 3016 - Hirschfelder, Thomas; 3045 - Reade, Leah; 3343 - Selman, Frances, **13473 SW Pacific Hwy Tigard-** B006 - Frazier, Zannish; D048 - Vargas, Jesus; F092 - Han, Kyupil; F112 - Boyce, Wayne; F137 - Heininge, Jill; F181 - Corrigan, Heather; F195 - Deogny, Jennifer; F198 - Eayrs, Evelyn; G017 - Storer, Elaine; G041 - Brokken, Karen; G076 - Gutendorf, Howard; G135 - Antique Barbershop Anderson Jr, Lb; G140 - Pluard, Sherry, **15700 SW Pacific Hwy Tigard-** 1012 - Renne, Hank; 1161 - Kolnick, Shaleena; 1202 - Lariviere, Gretchen; 1223 - Pirofsky, Jillann; 1249 - Sabatino, Thomas; 1408 - Tgr General Construction Pinon, Martin; 1443 - Steadman, Karen; 1444 - Amens Sr, Joseph; 1482 - Heslet, Tonya; 1524 - Keith, Chandler; 1531 - Cooeyate, Dawn Linn; 1646 - Bedinger, Tracy; 1659 - Long, Tamara; 1679 - Scott, Katie; 1688 - Maxfield, Robert, **7095 SW McEwan Lake Oswego-** B001 - Foust, Kody; C035 - Jones, Joseph; D151 - Almone, Enrico; D162 - Brice, George, **17990 SW McEwan Rd. Tigard-** A016 - Clem, Carl; A025 - Dabbs, Debbie; D048 - Davis, Christopher, **801 N State St Lake Oswego-** A092 - White, Steve; B213 - Dorney, Brian

Public Storage - Sale Date March 25, 2019 9:30am

1621 NE 71st Portland- A001 - Cardwell, Danielle; A046 - Bowen, Linda; A064 - Polumbo, Rachel; A118 - Zener, Alec; A262 - Britt, Miracle; A305 - Gold, Peggy; A328 - Faris, Charlotte; F017 - McCoy, Tony, **8928 NE Halsey Portland-** B002 - Karimou, Chikeola; C021 - Ethel, Andre; C054 - Davenport, Dawn; C065 - Johnson, Charlene; C083 - Hamilton, Bonnie; D008 - Manier, Mckayla; D058 - Morgan, Kalynn; D068 - Butler, Aaron; D088 - Porter, Julius; D146 - Bowden, Marnie, **1608 NE 92nd Portland-** A186 - Cochran, David; C050 - Memory, Christina; C072 - Vaughn, Lloyd; C084 - Burt, Michael; C116 - Linstead, Holly; C126 - Shetzline-Anderson, Andrea; C22a - Whitmore, Greg; D036 - Wismer, Jason; D043 - Castillo, Angel; D055 - Hunt, Vyctoria; D066 - Hansen, Crystal; D072 - Voss, Matt; D099 - Guillory, Kyle; D110 - Govan, Crystal; E011 - Ayres, Nikolos, **9912 SE Division Portland-** 0007 - Johnson, Hope; 0019 - Stippel III, Joseph; 0032 - Ferretti, Paul; 0046 - Lam, Kristine; 0060 - Sorensen, Caleb; 0083 - Demison, Keeon; 0085 - Craig, David; 0094 - Lumagui, Rick; 0096 - Dawson, Linda; 0112 - Mack, Kendall; 0118 - O'neal, Tracy; 0129 - Runninger, Raymond; 0163 - Davis, Lyndon; 0166 - Huntsinger, Meachelle; 0209 - Gage, Johnnie; 0263 - Brown, Katrina; 0273 - Washington, Javon; 0426 - Couture, Kimberlee, **2542 SE 105th Ave Portland-** A040 - Norvelsas, Jesse; B008 - Ellis, Gayle; B014 - Acker, Natalie; C032 - Buress, Kevin; C046 - Carter, Rosalind; D001 - Wilkins, James; D005 - Hammer, John; D014 - Painter, Sarahlynn; D056 - Johnson, FRANK; D068 - Mccluskey, Cameron; E014 - Arias, Elizabeth; E041 - Golec, Heather; E078 - Casanova, Rochell; E080 - Wilburn, Megan; F023 - Sorenson, Duane; F039 - Le, Wendy; F092 - Murray, Tyler; F095 - Spoon, Tawna, **1202 SE 82nd Ave Portland-** 1003 - Brainard, Joel; 2048 - Turner, Erin; 2049 - Hudson, Lunden; 2058 - Rake, Roger; 2073 - Lewis, James; 3151 - Pielaet, Christian; 3157 - Chambers, Linda; 3227 - Willis, Travis; 3260 - Meek, Jaylene; 3291 - Garrity, Charolette; 5421 - Abreo, Domingo; 5455 - Jensen, Nicholas

Public Storage - Sale Date March 26, 2019 9:30am

4780 Liberty Road South Salem- 0112 - Buhler, Jessica; 0119 - French, Cindy; 0267 - Ridley, Evan; 0282 - Hill, Kathryn J; 0489 - Brown, Janaya; 1168 - Halbelsen, Debra; 2055 - Taylor, Jennifer; 2189 - Beggs, William; 2221 - Otto, Makaylah; 2239 - Dempsey, Deborah, **280 Lancaster NE Salem-** 1007 - Marshall, Charlotte; 1014 - Diaz, Nickole; 1016 - Gray, Christopher; 2119 - Adams, Jeffery; 2121 - Wilson, Kathleen; 2126 - Salvano, Maegen; 2145 - Quintanilla, Sisto; 3201 - Pederson, Koby; 4218 - Gruenfelder, Cameron; 4295 - White, Matthew; 4337 - Bell, Glen; 4339 - Vierra, Peter; 4350 - Guzman, Adela; 5385 - Mitchell Sr, Edmond; 5403 - Newton, Alecia; 6423 - Scott, Jennifer; 6454 - Juli, Selena; 7489 - Stelter, Rosanna; 7506 - Driskill Eriksen, Michelle; 7520 - Wood, Eugenie; 7523 - Coughlin, Amanda; 7535 - Coleman, Christina; 7539 - Petersen, Marie; 8557 - Baldwin, Linda; 8559 - Peace, Jonny; 8597 - Aiken, Kimberly

Public Storage - Sale Date March 26, 2019 9:30am

6525 N Lombard Portland- A010 - Barringer, Bruce; A020 - Sanford, John; A044 - Arellano Luna, Justino; A052 - Jackson, Viola; A057 - Kallsta, Eric; B005 - Edgmond, Sandra; B009 - Brown, Jewelean; B019 - Curtis, Dontae; C021 - Boyd, Collette; D013 - Hanson, Heather; D024 - Portland Olc Cordero, Kamille; D032 - Bossu-Browne, Nina-Paloma; E041 - Hanson, Albert; E076 - Moore, Amy; H007 - Black, Thomas; H013 - Miller, Kelly; H015 - Johnston, Brian; P003 - James, Larry; P012 - Loizeau, Songod; P031 - Peterson, Tanya; P049 - Aguilar, Terrina, **1921 N Gantenbein Portland-** B008 - White, Charlene; B032 - Johnson, Deray; B071 - Royal Jr., Dana; B086 - Jones, Kevin; B100 - Reggans-Hahn, Sandra; B139 - Suarez Aragon, Alfredo; B171 - Kilpatrick, Larry; B176 - Longino, Leea; B234 - Turner, Daryan; B242 - Peterson, Deborah; B276 - Parker, Robert; B290 - Wilson, Natwan, **1620 NE Sandy Blvd Portland-** 0125 - Lynch, Chris; 0250 - Studebaker, Austin; 0431 - Mcnamara, Jill; 0609 - Mathias-Hoppe, Matias

Public Storage - Sale Date March 27, 2019 9:30am

2636 NE Hogan Road Gresham- 0029 - Cooley, Thomas; 0039 - Peterson, Rebecca; 0087 - Phillips, K'Tacia; 0119 - Monaco, Conley; 0166 - Cook, Mark; 0198 - Love, Mackenzie; 0273 - Hanson, Brian; 0347 - Walman, Shelby; 0351 - Mcfadden, Clinton; 0413 - Mardis, Victoria; 0447 - Williams, Joey; 0472 - Deguire, Tyler; 0517 - Kollar, Joshua; 0567 - Mentry, Sherry, 1421 E Powell Blvd Gresham- B067 - Williams, Michelle; B115 - Selman, Jill; B125 - Miller, David; B140 - Orona, Angela; B152 - West, Racheale; B165 - Lemke, Rose; B281 - Livengood, Scott; B290 - Wilson, Armando; B292 - Crain, Beau; B318 - Kiser, Derek; C005 - Adamson, Theresa; C012 - Mallone, Rocky; C052 - Dodson, Donald; D026 - Cuevas, Elba; E010 - Brown, Carl; E023 - Garrison, Michael; P003 - Mckinnis, Miranda, **2730 NW Division Gresham-** B008 - Bramwell-Busselberg, Bonnie; C003 - Leonov, Elizabeth; C032 - Clay, Meggin; C048 - Hamlet, Kenya; C100 - Anthony, Cordell; C120 - Anthony, Cordell; C174 - Walker, Samone; C198 - Grotterthaler, Annalee; C199 - Layton-Donovan, Lydia; D003 - Nichols, Terri; D089 - Whiting, Greg; D103 - Osborne, Bruce; D105 - Osorio, Terry; D133 - Flynn, Kanyon; D147 - Davis, Kindra, **2190 NW Burnside Gresham-** C010 - Johnson, Shakiah; D045 - Belgh, Ella; D046 - Miller, Zelda; E019 - Felice, Brad; E027 - Young, Anthony; E054 - Adams, Camron; E052 - Yarborough, Ladeana; F001 - Lozano Velazquez, Arlette; H027 - Riddle, Tatiana; I024 - O'toole, Keith; J037 - Farmer, Kevin; J062 - Woods, Maggie, **2600 NW Burnside Ct. Gresham-** A014 - Pettis, Danae; A028 - Assenberg, Christine; A097 - Edwards, Shelly; A165 - Becerra, Jaime; A185 - Mckinley, Tonyo; B042 - Oja, Charlotte, **13515 NE Prescott Ct. Portland-** B013 - Ooten, Andrew; B036 - Drennen, Roger; B043 - Jenkins Hill, Dorothy; B046 - Jackson, Monica; C005 - Hill, Jonathan; C022 - Russell, Michelle; C073 - Harris, Rennette; C076 - Wyatt, Joshua; C078 - Cordova, Rachelle; C153 - Otey, Jesse; C162 - Thomas, Kristina; C179 - Zavala, Walter; D017 - Jedel, Judith; D037 - Castner, Jeremy; E025 - Brooks, Gregory; F014 - Kahl, Joe; F016 - Couchman, Aaron

Public Storage - Sale Date March 28, 2019 9:30am

1203 SE TV Hwy Hillsboro- B008 - Edwards, Janae; B009 - Silva, Cynthia; B033 - Ortega, Michael; B037 - Killmer, Rhonda; C003 - Soto, Jesus; E049 - Kemp, Sara; E054 - Hidalgo, Monica; F018 - Keup, Tyler; G007 - Chatiovsky, Stephenia; G008 - Nible-Amaya, Cynthia; G014 - Maggiore Jr., Robert; H042 - Shumaker, Angela; H062 - Ford, Tate, **3075 SE TV Hwy Hillsboro-** 0056 - Bennett, Corey; 0051 - Dietz, Lorane; 0066 - Thomas, Billiejo; 0095 - Salazar, Josefina; 0122 - Atkinson, Rodney; 0159 - Landstrom, Fred; 0233 - Taylor, Krista; 0249 - Thompson, Robin; 0284 - Lindquist, Brittney; 0295 - Fowler, Rikkilynn; 0361 - Swarez, Racheal; 0392 - Armstrong, Michael; 0399 - Adams, Kevin; 0419 - Metzner, Tara; 0509 - Bookout, Gary, **19350 SW Shaw Aloha-** B021 - Hanson, Zane; D015 - Moak, Josh; D055 - Sperry, Paul; D148 - Mina, Lucia; D164 - Middleton, Jessica; E005 - Cooper-Fleming, Wendy; E041 - Paul, Abigail; E056 - Leathers, Craig; E059 - Leathers, Craig; F113 - Hanzlick, Carl, **16851 NW Cornell Rd Beaverton-** 0033 - Phinney, William; 1028 - Kisselburg, Paula; 2019 - Telegin, Justin; 2069 - Antonio, Taylor; 2105 - Steck, Haley; 2143 - Wheeler, Chris; 2188 - Jonas, William; 3051 - Talavera De Saenz, Rosario; 3140 - Mennell, Neil, **11995 SW Corby Dr. Beaverton-** A016 - Barnes, Craig; A031 - Martin, Michael; A143 - Becker, Heather; B053 - Pothakos, Nick; B067 - Brien, Kaylen; B088 - Chase Paint And Color Herkenrath, Jonathan; B152 - Hall, Rebecca; B198 - Swafford, Karma; B210 - Edwards, Johnny, **11160 SW Allen Blvd Beaverton-** 1018 - Morales Gomez, Sonia; 1047 - Howard, Jennifer; 1065 - Howard, Jennifer; 2017 - Lee, Lamont; 2041 - Bowling, Tammy; 2054 - Bell, Stephen; 4364 - Saul, Axia; 7017 - Liggins, Julie; 7033 - Sorrell, Andrea, **6500 SW 110th Ct. Beaverton-** B005 - Wromar, Laurie; B044 - Brown, Cheri; B062 - Dominguez, Tiffany; B124 - Pryor, Tyru; B128 - Smith, Kulani; B157 - Stuben, Ken; B243 - Lynch, Sean; D067 - Mc Caw, Sylvia; D084 - White, Joe, **10905 SW Denney Rd. Beaverton-** B043 - Taylor, Joe; D065 - Morales, Andres; D077 - Brazelton, Xlaying (Candy); F094 - Lauer, Victoria, **7065 SW 105th Ave. Beaverton-** 0038 - Warinner, Kimberly; 0079 - Byrne, Christina; 0110 - Reyes-Maradiaga, Wilson; 0141 - Spaulding, Heather; 0243 - Wallace, Bryan; 0287 - Murphy, Dennis; 0415 - Schultz, Bethany; 0417 - Johnson, Travis; 0451 - Cameron, Robert; 0589 - Awad, Fadumo; 0590 - Awad, Fadumo; 0632 - Kalittchenko, Svetlana

Public sale terms, rules, and regulations will be made available prior to the sale. All sales are subject to cancellation. We reserve the right to refuse any bid. Payment must be in cash or credit card-no checks. Buyers must secure the units with their own personal locks. To claim tax-exempt status, original RESALE certificates for each space purchased is required.
By PS Orangeco, Inc., 701 Western Avenue, Glendale, CA 91201. (818) 244-8080.

The Oregonian OREGONLIVE.COM
OREGONIAN MEDIA GROUP

The Oregonian
LEGAL AFFIDAVIT

AD#: 0009068393

State of Oregon,) ss
County of Multnomah)

Justin Eubanks being duly sworn, deposes that he/she is principal clerk of Oregonian Media Group; that The Oregonian is a public newspaper published in the city of Portland, with general circulation in Oregon, and this notice is an accurate and true copy of this notice as printed in said newspaper, was printed and published in the regular edition and issue of said newspaper on the following date(s):

The Oregonian 03/13/2019

Principal Clerk of the Publisher

OFFICIAL STAMP
KIMBERLEE WRIGHT O'NEILL
NOTARY PUBLIC-OREGON
COMMISSION NO. 979329
MY COMMISSION EXPIRES SEPTEMBER 24, 2022

Sworn to and subscribed before me this 18th day of March 2019

Notary Public

Public Notice of Industries in Significant Noncompliance with Pretreatment Regulations in 2018

The federal pretreatment regulations, 40 CFR Part 403.8(f)(2)(vii), requires City of Portland ("the City") to annually publish industries that were in significant noncompliance with local, state, or federal pretreatment requirements. This notice lists the companies that were in significant noncompliance with their industrial wastewater discharge permits during 2018. Unless otherwise stated, all companies in this list have fulfilled the enforcement action requirements associated with the violation(s).

American Metal Stripping, Inc. – 9940 N Vancouver Way, was in significant noncompliance during the 4th quarter of 2018 for the daily maximum limit violations of molybdenum.

Apex Anodizing Inc. – 7015 NE Columbia Blvd, was in significant noncompliance in the 1st quarter of 2018 for failure to submit a required compliance report within 30 days, and in significant noncompliance during the 4th quarter of 2018 for zinc monthly average limit violations.

East Side Plating, Plants #1-3 – 8400 SE 26th Place, was in significant noncompliance for three quarters for monthly average limit violations: 1st quarter for copper, nickel, and zinc; 2nd quarter for nickel and zinc; and 4th quarter for zinc.

Harry's Fresh Foods – 17711 NE Riverside Parkway, was in significant noncompliance for the 3rd quarter of 2018 due to interference with the City's collection system and for failure to submit a required report within 30 days.

Hydro Extrusions Portland, Inc. (Skyport) – 5325 NE Skyport Way, was in significant noncompliance during the 4th quarter of 2018 for monthly average limit violations of chromium.

Oil Re-Refining Company – 4150 N Suttle Road, was in significant noncompliance during the 1st quarter of 2018 for the daily maximum limit violations of molybdenum.

Oregon Oils – 2515 NW 28th Ave, was in significant noncompliance for the 1st and 2nd quarters of 2018 due to illicit discharges of fats, oils, and grease that caused, alone or in combination with other materials, interference in the City's collection system. The City exercised its emergency authority to halt the discharge and to terminate Oregon Oils' wastewater discharge permit. Oregon Oils is currently in the appeal process for the violations.

PPV, Inc. – 4927 NW Front Ave, was in significant noncompliance in all quarters of 2018: 1st quarter for daily maximum limit violations of vanadium and monthly average limit violations of 4-methylphenol and vanadium; 2nd quarter for daily maximum limit violations of titanium and monthly average limit violations of 4-methylphenol and titanium; 3rd quarter for daily maximum limit and monthly average limit violations of 4-methylphenol and titanium; and 4th quarter daily maximum limit and monthly average limit violations of 4-methylphenol and copper.

Silver Eagle Manufacturing Company – 5825 NE Skyport Way, was in significant noncompliance for the 4th quarter of 2018 for monthly average limit violations of zinc.

Technical Finishes & Coatings, Inc. (TFC) – 9120 SE 64th Ave, was in significant noncompliance for the 3rd and 4th quarters of 2018 due to daily maximum limit and monthly average limit violations of cadmium, copper, nickel, and zinc. TFC was also in significant noncompliance during the 3rd quarter of 2018 due to daily maximum limit violations of pH and due to illicit discharges of process wastewater. The City exercised its emergency authority to halt the discharge and to terminate TFC's wastewater discharge permit.

Form 8

Industrial Pretreatment Program

SIU Non-Compliance & Enforcement Summary

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Ajinomoto Foods North America	Discharge - Prohibited Discharge		Nov 15, 2017	VCA-2018-002	Aug 3, 2018	Aug 3, 2018
Ajinomoto Foods North America	Reporting - Report < 30 Days Late		Mar 21, 2018	WN-2018-105	Mar 21, 2018	Jun 20, 2018
Ajinomoto Foods North America	Reporting - Report < 30 Days Late		Oct 16, 2018	WN-2018-170	Oct 15, 2018	Oct 17, 2018
Alpenrose Dairy	Discharge - Analyte < Permit Limit (daily)	pH	Jun 12, 2018	NOV-2018-242	Aug 17, 2018	Jun 12, 2018
Alpenrose Dairy	Ordinance/Permit - Sampling Point – 1st Offense		Oct 26, 2018	WN-2018-229	Dec 03, 2018	Nov 30, 2018
Alpenrose Dairy	Discharge - Analyte < Permit Limit (daily)	pH	Oct 26, 2018	NOV-2018-293	Nov 29, 2018	Oct 26, 2018
American Metal Stripping LLC	Discharge - Analyte > Permit Limit (daily)	cyanide - total	Mar 14, 2018	NOV-2018-079	May 14, 2018	May 15, 2018
American Metal Stripping LLC	Discharge - Analyte > Permit Limit (monthly)	cyanide - total	May 28, 2018	WN-2018-098	Jun 14, 2018	Jul 30, 2018
American Metal Stripping LLC	Discharge - Analyte > Permit Limit (daily)	molybdenum	Nov 20, 2018	NOV-2018-317	Nov 20, 2018	Dec 28, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (monthly)	zinc	Feb 28, 2018	WN-2018-087	May 15, 2018	Mar 31, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (daily)	nickel	Aug 22, 2018	NOV-2018-256	Sep 14, 2018	Sep 18, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (daily)	zinc	Aug 22, 2018	NOV-2018-257	Sep 14, 2018	Sep 18, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (monthly)	nickel	Aug 28, 2018	WN-2018-182	Nov 08, 2018	Sep 30, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (monthly)	zinc	Aug 28, 2018	WN-2018-183	Nov 08, 2018	Sep 30, 2018
Apex Anodizing Inc	Ordinance/Permit - Sample/Monit/Meter Equip – 1st Offense		Oct 23, 2018	WN-2018-230	Dec 06, 2018	Nov 01, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (daily)	zinc	Nov 19, 2018	NOV-2019-015	Nov 19, 2018	Nov 27, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (monthly)	zinc	Nov 28, 2018	WN-2019-051	Nov 30, 2018	Dec 01, 2018
Apex Anodizing Inc	Discharge - Analyte > Permit Limit (monthly)	zinc	Dec 28, 2018	WN-2019-052	Dec 30, 2018	Jan 01, 2019
Baker Commodities Inc	Ordinance/Permit - Permit Requirements		Aug 22, 2018	NOV-2018-247	Aug 27, 2018	Aug 23, 2018
Cintas Corporation	Discharge - Analyte > Permit Limit (daily)	oil/grease - nonpolar	Jan 05, 2018	NOV-2018-023	Feb 13, 2018	Jan 18, 2018
Danone US LLC	Discharge - Analyte < Permit Limit (daily)	pH	Jan 06, 2018	NOV-2018-031	Jan 06, 2018	Jan 06, 2018
Danone US LLC	Discharge - Analyte < Permit Limit (daily)	pH	Jan 07, 2018	NOV-2018-032	Jan 07, 2018	Jan 07, 2018
Darigold	Discharge - Analyte < Permit Limit (daily)	pH	Jan 06, 2018	NOV-2018-034	Mar 12, 2018	Jan 06, 2018
Darigold	Discharge - Analyte < Permit Limit (daily)	pH	Mar 12, 2018	NOV-2018-052	Apr 03, 2018	Mar 12, 2018
Darigold	Discharge - Analyte < Permit Limit (daily)	pH	Apr 15, 2018	NOV-2018-069	Apr 24, 2018	Apr 16, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Darigold	Discharge - Analyte < Permit Limit (daily)	pH	Apr 16, 2018	NOV-2018-070	Apr 24, 2018	Apr 16, 2018
Darling Ingredients Inc	Record Keeping - Calibration Records – 1st Offense		Jun 01, 2018	NOV-2018-207	Jun 11, 2018	Jul 11, 2018
Del Monte Fresh Produce	Reporting - Report < 30 Days Late		Jun 16, 2018	WN-2018-115	Jun 20, 2018	Jun 20, 2018
Del Monte Fresh Produce	Discharge - Analyte < Local Limit	pH	Jul 04, 2018	NOV-2018-246	Aug 23, 2018	Jul 05, 2018
East Side Plating Inc Plant 4	Reporting - Failure to Sample		Feb 10, 2018	WN-2018-059	Apr 05, 2018	Feb 12, 2018
East Side Plating Inc Plant 4	Discharge - Analyte > Permit Limit (daily)	pH	Feb 12, 2018	NOV-2018-055	Apr 05, 2018	Feb 12, 2018
East Side Plating Inc Plant 4	Discharge - Analyte > Permit Limit (daily)	zinc	Jun 19, 2018	NOV-2018-236	Jul 20, 2018	Jul 10, 2018
East Side Plating Inc Plant 4	Discharge - Analyte > Permit Limit (monthly)	zinc	Jun 28, 2018	WN-2018-177	Nov 07, 2018	Jul 31, 2018
East Side Plating Inc Plant 4	Reporting - Failure to Sample		Jul 06, 2018	NOV-2018-260	Sep 24, 2018	Jul 06, 2018
East Side Plating Inc Plant 4	Reporting - Failure to Sample		Jul 06, 2018	WN-2018-086	May 15, 2018	Mar 31, 2018
East Side Plating Inc Plant 4	Reporting - Failure to Sample		Jul 12, 2018	NOV-2018-261	Sep 24, 2018	Jul 13, 2018
East Side Plating Inc Plant 4	Reporting - Failure to Sample		Jul 13, 2018	NOV-2018-262	Sep 24, 2018	Jul 13, 2018
East Side Plating Inc Plant 4	Discharge - Analyte < Permit Limit (daily)	pH	Aug 26, 2018	NOV-2018-269	Oct 04, 2018	Aug 27, 2018
East Side Plating Inc Plant 4	Discharge - Analyte < Permit Limit (daily)	pH	Aug 27, 2018	NOV-2018-270	Oct 04, 2018	Aug 27, 2018
East Side Plating Inc Plant 4	Discharge - Analyte > Permit Limit (daily)	cyanide - total	Sep 13, 2018	NOV-2018-288	Nov 01, 2018	Sep 26, 2018
East Side Plating Inc Plant 5	Discharge - Analyte > Permit Limit (daily)	chromium	May 02, 2018	NOV-2018-090	May 23, 2018	May 10, 2018
East Side Plating Inc Plant 5	Discharge - Analyte > Permit Limit (daily)	nickel	May 02, 2018	NOV-2018-091	May 23, 2018	May 10, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	metals	Apr 12, 2018	CO-2018-003	May 31, 2018	Sep 01, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	nickel	Jan 05, 2018	NOV-2018-037	Mar 12, 2018	Jan 10, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	zinc	Jan 05, 2018	NOV-2018-038	Mar 12, 2018	Jan 10, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	copper	Jan 17, 2018	NOV-2018-039	Mar 12, 2018	Jan 24, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	copper	Feb 08, 2018	NOV-2018-040	Mar 12, 2018	Mar 06, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	nickel	Feb 08, 2018	NOV-2018-041	Mar 12, 2018	Mar 06, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	zinc	Feb 08, 2018	NOV-2018-042	Mar 12, 2018	Mar 06, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	copper	Feb 28, 2018	WN-2018-083	May 11, 2018	Mar 31, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	nickel	Feb 28, 2018	WN-2018-084	May 11, 2018	Mar 31, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	zinc	Feb 28, 2018	WN-2018-085	May 11, 2018	Mar 31, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	nickel	Apr 12, 2018	NOV-2018-076	May 09, 2018	May 03, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	zinc	Apr 12, 2018	NOV-2018-075	May 09, 2018	May 03, 2018
East Side Plating Inc Plants 1-3	Reporting - Failure to Sample		Apr 15, 2018	WN-2018-070	Apr 24, 2018	Apr 16, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	pH	Apr 15, 2018	WN-2018-069	Apr 24, 2018	Apr 16, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	nickel	Apr 28, 2018	WN-2018-178	Nov 07, 2018	May 31, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	zinc	Apr 28, 2018	WN-2018-179	Nov 07, 2018	May 31, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	copper	Jul 28, 2018	WN-2018-180	Nov 07, 2018	Aug 30, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	zinc	Jul 28, 2018	WN-2018-181	Nov 07, 2018	Aug 30, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	zinc	Oct 04, 2018	NOV-2018-295	Nov 29, 2018	Oct 24, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (daily)	zinc	Oct 16, 2018	NOV-2018-296	Nov 29, 2018	Oct 24, 2018
East Side Plating Inc Plants 1-3	Discharge - Analyte > Permit Limit (monthly)	zinc	Oct 28, 2018	WN-2019-036	Feb 07, 2019	Oct 31, 2018
EcoLube Recovery LLC	Discharge - Analyte > Local Limit	pentachlorophenol	Sep 13, 2018	NOV-2018-298	Dec 04, 2018	Oct 09, 2018
Electro-Chem Metal Finishing	Discharge - Analyte > Permit Limit (daily)	lead	Jun 18, 2018	NOV-2018-228	Jun 29, 2018	Jul 16, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Jan 17, 2018	NOV-2018-025	Feb 14, 2018	Nov 04, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Feb 14, 2018	NOV-2018-026	Feb 14, 2018	Nov 04, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Mar 13, 2018	NOV-2018-043	Mar 15, 2018	Nov 04, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Apr 03, 2018	NOV-2018-057	Apr 09, 2018	Nov 04, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Jul 24, 2018	NOV-2018-221	Aug 29, 2019	Nov 04, 2018
Harrys Fresh Foods	Reporting - Report > 30 Days Late		Aug 31, 2018	NOV-2018-265	Sep 26, 2018	Oct 11, 2018
Harrys Fresh Foods	Reporting - Report < 30 Days Late		Oct 06, 2018	WN-2018-165	Oct 10, 2018	Oct 30, 2018
Harrys Fresh Foods	Discharge - Prohibited Discharge		Nov 01, 2018	NOV-2018-289	Nov 05, 2018	Nov 04, 2018
Harrys Fresh Foods	Reporting - Failure to Sample		Dec 31, 2018	WN-2019-040	Feb 11, 2019	Jan 08, 2019
Hydro Extrusion Portland Inc - Skyport	Discharge - Analyte > Permit Limit (daily)	chromium	Oct 12, 2018	NOV-2018-291	Oct 12, 2018	Oct 29, 2018
Hydro Extrusion Portland Inc - Skyport	Discharge - Analyte > Permit Limit (monthly)	chromium	Oct 28, 2018	WN-2019-053	Oct 30, 2018	Nov 01, 2018
Ink Systems Inc	Reporting - Report < 30 Days Late		Jan 25, 2018	WN-2018-014	Jan 30, 2018	Jan 25, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Kite Hill	Discharge - Analyte > Permit Limit (daily)	pH	Jul 25, 2018	NOV-2018-243	Aug 25, 2018	Aug 25, 2018
Kite Hill	Reporting - IUMS "Failure to Report"		Jul 27, 2018	NOV-2018-244	Jul 27, 2018	Jul 27, 2018
Kite Hill	Reporting - IUMS "Failure to Report"		Aug 01, 2018	WN-2018-127	Aug 01, 2018	Aug 03, 2018
Kite Hill	Discharge - Analyte < Permit Limit (daily)	pH	Dec 09, 2018	NOV-2019-009	Dec 09, 2018	Dec 09, 2018
Kite Hill	Discharge - Analyte < Permit Limit (daily)	pH	Dec 10, 2018	NOV-2019-010	Dec 10, 2018	Dec 10, 2018
Kite Hill	Discharge - Analyte < Permit Limit (daily)	pH	Dec 11, 2018	NOV-2019-011	Dec 11, 2018	Dec 11, 2018
Mary's Harvest Fresh Foods	Discharge - Analyte < Permit Limit (daily)	pH	Apr 02, 2018	NOV-2018-063	Apr 02, 2018	Apr 03, 2018
Mondelez Global LLC	Reporting - Failure to Sample		Apr 15, 2018	WN-2018-091	May 21, 2018	Apr 18, 2018
Mondelez Global LLC	Discharge - Analyte < Permit Limit (daily)	pH	May 14, 2018	WN-2018-088	May 14, 2018	May 14, 2018
Mondelez Global LLC	Discharge - Analyte < Permit Limit (daily)	pH	Nov 21, 2018	NOV-2018-300	Dec 06, 2018	Nov 21, 2018
Mondelez Global LLC	Discharge - Analyte < Permit Limit (daily)	pH	Dec 11, 2018	NOV-2019-012	Dec 28, 2018	Dec 11, 2018
Northwest Cascade Inc	Record Keeping - Calibration Records – 1st Offense		Jun 15, 2018	NOV-2018-213	Jun 18, 2018	Jun 27, 2018
Northwest Cascade Inc	Reporting - Changes in Discharge – 1st Offense		Jun 15, 2018	NOV-2018-214	Jun 15, 2018	Jun 28, 2018
NRC Environmental Services Inc	Reporting - Failure to Sample		Jan 31, 2018	WN-2018-050	Jan 31, 2018	Feb 28, 2018
NRC Environmental Services Inc	Discharge - Analyte > Permit Limit (daily)	pH	Mar 15, 2018	NOV-2018-081	May 15, 2018	Mar 28, 2018
NRC Environmental Services Inc	Discharge - Analyte > Permit Limit (daily)	n-decane	Nov 05, 2018	NOV-2019-007	Jan 07, 2019	Dec 03, 2018
NRC Environmental Services Inc	Discharge - Analyte > Permit Limit (daily)	zinc	Nov 19, 2018	NOV-2019-008	Nov 19, 2018	Dec 12, 2018
NRC Environmental Services Inc	Discharge - Analyte > Permit Limit (monthly)	n-decane	Nov 28, 2018	WN-2019-037	Nov 28, 2018	Dec 31, 2018
NRC Environmental Services Inc	Discharge - Analyte > Permit Limit (monthly)	n-octadecane	Dec 28, 2018	WN-2019-038	Dec 28, 2018	Jan 31, 2019
Oil Re-Refining Company	Discharge - Analyte > Permit Limit (daily)	molybdenum	Jan 09, 2018	NOV-2018-035	Mar 12, 2018	Feb 09, 2018
Oil Re-Refining Company	Discharge - Analyte > Permit Limit (daily)	molybdenum	Jan 19, 2018	NOV-2018-036	Mar 12, 2018	Feb 09, 2018
Oil Re-Refining Company	Discharge - Analyte > Local Limit	molybdenum	Mar 13, 2018	NOV-2018-082	May 15, 2018	Mar 23, 2018
Oil Re-Refining Company	Discharge - Analyte > Permit Limit (daily)	pentachlorophenol	Jul 10, 2018	NOV-2018-254	Aug 31, 2018	Jul 12, 2018
Oil Re-Refining Company	Discharge - Analyte > Permit Limit (daily)	solids - total dissolved	Oct 22, 2018	NOV-2018-299	Dec 04, 2018	Oct 25, 2018
Oil Re-Refining Company	Discharge - Analyte > Permit Limit (daily)	molybdenum	Nov 07, 2018	NOV-2018-315	Dec 20, 2018	Dec 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 16, 2018	NT-2018-001	Mar 20, 2018	Apr 19, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 16, 2018	NOV-2018-102	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 25, 2018	NOV-2018-103	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 26, 2018	NOV-2018-125	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 29, 2018	NOV-2018-104	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 29, 2018	NOV-2018-126	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 29, 2018	NOV-2018-157	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 30, 2018	NOV-2018-127	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Jan 31, 2018	NOV-2018-128	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 1, 2018	NOV-2018-129	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 2, 2018	NOV-2018-105	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 2, 2018	NOV-2018-130	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 4, 2018	NOV-2018-131	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 5, 2018	NOV-2018-132	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 6, 2018	NOV-2018-133	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 7, 2018	NOV-2018-134	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 8, 2018	NOV-2018-135	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 9, 2018	NOV-2018-106	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 9, 2018	NOV-2018-136	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 12, 2018	NOV-2018-137	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 13, 2018	NOV-2018-138	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 14, 2018	NOV-2018-139	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 15, 2018	NOV-2018-140	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 16, 2018	NOV-2018-107	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 16, 2018	NOV-2018-141	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 20, 2018	NOV-2018-108	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 23, 2018	NOV-2018-142	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 26, 2018	NOV-2018-143	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 27, 2018	NOV-2018-144	Jun 12, 2018	Apr 19, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 27, 2018	NOV-2018-158	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Feb 28, 2018	NOV-2018-145	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 1, 2018	NOV-2018-146	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 2, 2018	NOV-2018-109	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 2, 2018	NOV-2018-147	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 5, 2018	NOV-2018-148	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 5, 2018	NOV-2018-159	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 6, 2018	NOV-2018-149	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 7, 2018	NOV-2018-150	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 8, 2018	NOV-2018-151	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 9, 2018	NOV-2018-110	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 9, 2018	NOV-2018-152	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 12, 2018	NOV-2018-153	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 12, 2018	NOV-2018-160	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 13, 2018	NOV-2018-154	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 13, 2018	NOV-2018-161	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 14, 2018	NOV-2018-155	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 15, 2018	NOV-2018-156	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 16, 2018	NOV-2018-111	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 16, 2018	NOV-2018-116	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 19, 2018	NOV-2018-117	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 20, 2018	NOV-2018-118	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 21, 2018	NOV-2018-119	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 23, 2018	NOV-2018-120	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 26, 2018	NOV-2018-121	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 27, 2018	NOV-2018-122	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 28, 2018	NOV-2018-123	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Discharge - Prohibited Discharge		Mar 29, 2018	NOV-2018-124	Jun 12, 2018	Apr 19, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Oregon Oils Inc	Discharge - Prohibited Discharge		Apr 6, 2018	NOV-2018-112	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Jan 26, 2018	NOV-2018-162	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Jan 29, 2018	NOV-2018-163	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Jan 30, 2018	NOV-2018-164	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Jan 31, 2018	NOV-2018-165	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 1, 2018	NOV-2018-166	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 2, 2018	NOV-2018-167	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 4, 2018	NOV-2018-168	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 5, 2018	NOV-2018-169	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 6, 2018	NOV-2018-170	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 7, 2018	NOV-2018-171	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 8, 2018	NOV-2018-172	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 9, 2018	NOV-2018-173	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 12, 2018	NOV-2018-174	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 13, 2018	NOV-2018-175	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 14, 2018	NOV-2018-176	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 15, 2018	NOV-2018-177	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 16, 2018	NOV-2018-178	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 23, 2018	NOV-2018-179	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 26, 2018	NOV-2018-180	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 27, 2018	NOV-2018-181	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Feb 28, 2018	NOV-2018-182	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 1, 2018	NOV-2018-183	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 2, 2018	NOV-2018-184	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 5, 2018	NOV-2018-185	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 6, 2018	NOV-2018-186	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 7, 2018	NOV-2018-187	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 8, 2018	NOV-2018-188	Jun 12, 2018	Apr 19, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Oregon Oils Inc	Reporting - Batch Discharge		Mar 9, 2018	NOV-2018-189	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 12, 2018	NOV-2018-190	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 13, 2018	NOV-2018-191	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 14, 2018	NOV-2018-192	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 15, 2018	NOV-2018-193	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 16, 2018	NOV-2018-194	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 19, 2018	NOV-2018-195	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 20, 2018	NOV-2018-196	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 21, 2018	NOV-2018-197	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 23, 2018	NOV-2018-198	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 26, 2018	NOV-2018-199	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 27, 2018	NOV-2018-200	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 28, 2018	NOV-2018-201	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Batch Discharge		Mar 29, 2018	NOV-2018-202	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Feb 2, 2018	NOV-18-203-36	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Feb 14, 2018	NOV-2018-113	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Mar 6, 2018	NOV-18-204-36	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Mar 12, 2018	NOV-2018-114	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Apr 2, 2018	NOV-18-205-36	Jun 12, 2018	Apr 19, 2018
Oregon Oils Inc	Reporting - Falsification of Documentation		Apr 12, 2018	NOV-2018-115	Jun 12, 2018	Apr 19, 2018
Owens-Brockway Glass Containers	Discharge - Analyte > Local Limit	oil/grease - nonpolar	May 16, 2018	NOV-2018-102	Jun 04, 2018	Jun 05, 2018
PCC Structurals Inc	Discharge - Slug Load		Dec 03, 2018	NOV-2018-006	Dec 03, 2018	Dec 05, 2018
PCC Structurals Inc	Discharge - Analyte > Permit Limit (daily)	pH	Dec 04, 2018	NOV-2019-001	Dec 04, 2018	Dec 04, 2018
PCC Structurals Inc	Discharge - Analyte > Permit Limit (daily)	pH	Dec 12, 2018	NOV-2019-002	Dec 12, 2018	Dec 12, 2018
Portland Hospital Service Corp	Reporting - Report < 30 Days Late		Dec 16, 2018	WN-2018-241	Dec 26, 2018	Dec 20, 2018
PPV Inc	Discharge - Slug Load		Apr 11, 2018	NOV-2018-096	Apr 11, 2018	Apr 11, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	titanium	Apr 18, 2018	NOV-2018-100	Apr 18, 2018	Apr 25, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	4-methylphenol	Apr 18, 2018	NOV-2018-101	Apr 18, 2018	Apr 25, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	4-methylphenol	Apr 28, 2018	WN-2019-004	Apr 28, 2018	May 28, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	titanium	Apr 28, 2018	WN-2019-005	Apr 28, 2018	Jun 28, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	titanium	May 15, 2018	NOV-2018-208	May 15, 2018	May 16, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	titanium	May 28, 2018	WN-2019-003	May 28, 2018	Jun 28, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	4-methylphenol	Jul 24, 2018	NOV-2018-248	Jul 24, 2018	Aug 09, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	4-methylphenol	Jul 28, 2018	WN-2019-002	Jul 28, 2018	Sep 28, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	4-methylphenol	Aug 01, 2018	NOV-2018-249	Aug 01, 2018	Aug 09, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	4-methylphenol	Aug 28, 2018	WN-2019-001	Aug 28, 2018	Sep 28, 2018
PPV Inc	Discharge - Analyte > Permit Limit (daily)	copper	Oct 24, 2018	NOV-2018-290	Oct 24, 2018	Oct 24, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	copper	Oct 28, 2018	WN-2019-054	Oct 28, 2018	Nov 01, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	copper	Nov 28, 2018	WN-2019-055	Nov 28, 2018	Dec 01, 2018
PPV Inc	Discharge - Analyte > Permit Limit (monthly)	copper	Dec 28, 2018	WN-2019-056	Dec 28, 2018	Jan 01, 2019
Silver Eagle Manufacturing Company	Discharge - Analyte > Permit Limit (daily)	zinc	Oct 23, 2018	NOV-2018-301	Dec 07, 2018	Nov 27, 2018
Silver Eagle Manufacturing Company	Discharge - Analyte > Permit Limit (monthly)	zinc	Oct 28, 2018	WN-2019-039	Feb 11, 2019	Nov 30, 2018
SoloPower Systems	Reporting - Report < 30 Days Late		Apr 16, 2018	WN-2018-072	Apr 24, 2018	Apr 20, 2018
Sunshine Dairy Foods LLC	Discharge - Analyte < Permit Limit (daily)	pH	May 12, 2018	WN-2018-113	May 13, 2018	May 13, 2018
Swan Island Dairy	Discharge - Analyte < Permit Limit (daily)	pH	Apr 26, 2018	NOV-2018-209	Apr 27, 2018	Apr 27, 2018
TCI America - Headquarters	Discharge - Analyte < Permit Limit (daily)	pH	Feb 19, 2018	NOV-2018-061	Apr 11, 2018	Feb 19, 2018
TCI America - Headquarters	Discharge - Analyte > Permit Limit (daily)	toluene	Feb 27, 2018	NOV-2018-056	Apr 09, 2018	Mar 14, 2018
TCI America - Headquarters	Discharge - Analyte > Permit Limit (monthly)	toluene	Feb 28, 2018	WN-2018-086	May 15, 2018	Mar 31, 2018
TCI America - Headquarters	Reporting - Failure to Sample		Jul 05, 2018	WN-2018-152	Sep 24, 2018	Jul 06, 2018
Technical Finishes and Coatings	Reporting - Failure to Sample		Apr 10, 2018	WN-2018-065	Apr 17, 2018	Aug 03, 2018
Technical Finishes and Coatings	Reporting - Report < 30 Days Late		Apr 10, 2018	WN-2018-066	Apr 17, 2018	Apr 10, 2018
Technical Finishes and Coatings	Reporting - Improper Analytical Technique		May 30, 2018	WN-2018-103	Jun 18, 2018	Aug 03, 2018
Technical Finishes and Coatings	Ordinance/Permit - Permit Requirements		May 30, 2018	NOV-2018-212	Jun 18, 2018	Aug 03, 2018
Technical Finishes and Coatings	Reporting - Report < 30 Days Late		Jun 01, 2018	WN-2018-101	Jun 14, 2018	Aug 03, 2018

Form 8 – Non-compliance/Enforcement Summary

Name of SIU	Nature of Violation	Analyte	Violation Date	POTW Enforcement Response	Date of Response	Date Return to Compliance
Technical Finishes and Coatings	Ordinance/Permit - Plans < 30 days late		Jun 01, 2018	WN-2018-102	Jun 14, 2018	Aug 03, 2018
Technical Finishes and Coatings	Reporting - Report < 30 Days Late		Jun 15, 2018	NOV-2018-211	Jun 18, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Prohibited Discharge		Jul 18, 2018	NOV-2018-273	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Ordinance/Permit - Bypass of Pretreatment System		Jul 27, 2018	NT-2018-002	Aug 03, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Prohibited Discharge		Jul 27, 2018	NOV-2018-275	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Ordinance/Permit - Permit Requirements		Jul 27, 2018	NOV-2018-274	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Record Keeping - Failure to Retain Records for 3 years		Aug 01, 2018	NOV-2018-281	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Analyte > Permit Limit (daily)	cadmium	Aug 01, 2018	NOV-2018-276	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Analyte > Local Limit	copper	Aug 01, 2018	NOV-2018-277	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Analyte > Local Limit	nickel	Aug 01, 2018	NOV-2018-278	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Analyte < Local Limit	pH	Aug 01, 2018	NOV-2018-279	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Analyte < Permit Limit (daily)	zinc	Aug 01, 2018	NOV-2018-280	Oct 16, 2018	Aug 03, 2018
Technical Finishes and Coatings	Discharge - Prohibited Discharge		Aug 03, 2018	NOV-2018-282	Oct 16, 2018	Aug 03, 2018
UniFirst Corporation	Discharge - Analyte > Permit Limit (daily)	oil/grease - nonpolar	Mar 08, 2018	NOV-2018-073	May 04, 2018	Mar 30, 2018
UniFirst Corporation	Discharge - Analyte > Permit Limit (daily)	oil/grease - nonpolar	May 03, 2018	NOV-2018-10	May 03, 2018	May 30, 2018
UniFirst Corporation	Discharge - Analyte < Permit Limit (daily)	pH	Dec 03, 2018	NOV-2018-313	Dec 03, 2018	Dec 03, 2018
Vigor Industrial LLC	Reporting - Report < 30 Days Late		Jun 16, 2018	WN-2018-117	Jun 18, 2018	Jun 18, 2018

Form 8 - Definitions & Comments

Abbreviation	Enforcement Response Tool	Definition
CO	Compliance Order	A CO is the enforcement tool used to document and declare orders to the IU to achieve compliance within a specified period of time.
NOV	Notice of Violation	An NOV is the enforcement tool used to document and respond to: 1) Class I, II, or III violations; or 2) a repeat offense of the same type of violation within the cycle of violation regardless of the order of magnitude, or in most cases, the violation class. The NOV may also be used as an escalated enforcement action in response to WN violations.
NT	Notice of Termination	The NT is an enforcement tool used to document and response to violations that pose imminent danger to health or the environment or reveal malicious and criminal intent. Termination of sewer service is an extreme measure that may also be used when an IU blatantly ignores notices, a Hearings Officer's decision, or a court order. NTs may also be used in the event of an emergency. The Bureau Director must authorize the issuance of an NT.
VCA	Voluntary Compliance Agreement	A VCA is a written mutual agreement between the IU and the City. A VCA may be at the request of the IU, in which case the IU commits to required actions and submits plan to maintain or return to compliance. The VCA is also used to document any variation of action or civil penalty assessment agreed upon during an administrative review.
WN	Warning Notice	The WN is the enforcement tool used to document and respond to: 1) minor infractions classified as WN violations; and 2) a discrete number of select, repeat WN violations within a cycle of violation.

*Return to compliance for a daily maximum violation is defined as the date the first sample is found to be back into compliance. For late reports, return to compliance is the date when the late report was received. For monthly averages, return to compliance is defined as the first month showing no violation of the monthly average.

Form 9

Industrial Pretreatment Program

Resource Summary

Form 9 - Resource Summary

Item	2018	2019	Comments
Labor, hours			
Administration	7,600	7,600	Estimated
Management	2,000	2,000	Estimated
Inspections	800	800	Estimated
Enforcement	1,400	1,400	Estimated
Sampling	4,000	4,000	Estimated - Industrial sampling is carried out by BES Field Operations, not the Pretreatment Program
Laboratory	2,500	2,500	Estimated
TOTAL HOURS	**18,300**	**18,300**	
Operating Cost, $			
Admin/Management	$522,281	$548,395	Estimated
Permit Writing	$17,687	$18,571	Estimated
Inspections	$38,495	$40,420	Estimated
Laboratory	$415,000	$435,750	Projected IU monitoring, key point monitoring and investigation costs
Enforcement	$35,374	$37,143	Estimated
TOTAL COSTS ($)	**$1,028,837**	**$1,080,279**	
Income Revenue, $			
General Sewer Rates	$790,700	$837,000	Estimated/ FY 18/19 Budget
Permit Fees	$390,000	$450,000	Actual FY 18/19 Budget
Penalties	$79,575	$80,000	Actual FY 18/19 Budget
Extra Strength	N/A	N/A	Extra strength charges do not fund the Pretreatment Program.
Impervious Area	N/A	N/A	Impervious Area charges do not fund Pretreatment Program
TOTAL INCOME ($)	**$1,260,275**	**$1,367,000**	

CY: Calendar Year | FY: Fiscal Year

Form 10

Industrial Pretreatment Program

Program Evaluation

Form 10 – Pretreatment Program Evaluation

1. Has a change in contributing jurisdictions occurred since the last Annual Report? Yes ☐ No ☒

   If yes, identify the jurisdictions that have been added or removed:

2. Has the Control Authority updated its Industrial User Survey to identify new Industrial Users (IUs) or changes in wastewater discharges at existing IUs? [403.8(f)(2)(i)] Yes ☒ No ☐

   a. If yes, are any of these IUs located in new service areas (describe)? Yes ☐ No ☒

   b. Have any IUs located in contributing jurisdictions where the POTW have no interjurisdictional agreements or IU contracts? Yes ☐ No ☒

3. For any <u>new</u> Categorical Industrial Users or processes identified during the Report period:

   a. Baseline Monitoring Report (BMR) submitted? Yes ☒ No ☐
   b. Final (90-day) Compliance Report (FCR) submitted? Yes ☒ No ☐

4. How many IUs are currently identified by the Control Authority in each of the following categories during the Report period?

   <u>63</u> Total SIUs (as defined by the Control Authority)
   - a. <u>25</u> Categorical Industrial Users (CIUs)
   - b. <u>33</u> Significant non-categorical IUs
   - c. <u>5</u> NDCIUs subject to zero discharge limits
   - d. N/A "Middle Tier" categorical industrial users*

   <u>17</u> NDCIUs that are not subject to zero discharge categorical limits
   N/A Non-Significant Categorical Industrial User (NSCIU)*
   <u>42</u> Other regulated non-categorical IUs (Describe): Non-Significant IUs

   **For both NSCIUs and MTCIUs, "N/A" indicates the POTW has NOT adopted these provisions.*

5. Is the Control Authority's definition of "Significant Industrial User" the same as EPA's? [403.3(v)(1)(i-ii)] Yes ☒ No ☐

   If not, the Control Authority has defined "Significant Industrial User" to mean: N/A

6. How many SIUs (as defined by the Control Authority) are required to be covered by an individual control mechanism? 63

   How many SIUs are not covered by an existing, unexpired permit or other control mechanism? Explain: N/A 0

Form 10 – Pretreatment Program Evaluation

7. Were individual control mechanisms issued/reissued for 90 percent of the SIUs within 180 days of the expiration date? Yes ☒ No ☐

   How many control mechanisms were not issued within 180 days of the expiration date? 0

8. How many NDCIUs have been issued a control mechanism? 22 (#) 100 (%)

   a. How many NDCIUs subject to a zero-discharge prohibition have been issued a control mechanism? 5/5 (#) 100 (%)

   b. How many NDCIUs NOT subject to a zero discharge have been issued a control mechanism? 17/17 (#) 100 (%)

   c. Does the POTW require annual certification of NDCIUs in lieu of issuing a control mechanism? Yes ☐ No ☒

   Comments, if any: In addition to issuing NDCIUs control mechanisms, annual or semi-annual non-discharge certifications are required.

9. Does the POTW accept hauled domestic waste? Yes ☐ No ☒

10. Does the POTW accept hauled non-hazardous industrial waste? Yes ☐ No ☒

11. Does the Control Authority have a control mechanism for regulating IUs whose waste are trucked to the Treatment Plant? N/A ☒ Yes ☐ No ☐

    If yes, does control mechanism designate a discharge point? N/A ☒ Yes ☐ No ☐

    (Describe): N/A

12. Are all applicable categorical standards and local limits applied to IUs whose wastes are trucked into the POTW?

    N/A ☒ Yes ☐ No ☐

    If not, why?

13. Has the Control Authority evaluated the need for SIUs to develop slug discharge control plans? [403.8(f)(2)(vi)] Yes ☒ No ☐

    If yes, when was the evaluation last conducted and what criterion was used to identify IUs for slug plans?
    All Accidental Spill Prevention Plans (ASPP) are reviewed at a minimum of once per year during annual inspections, which contain slug load control measures. NDCIUs are not required to submit slug load measures since they are non-dischargers.

Form 10 – Pretreatment Program Evaluation

How many slug control plans were:

	During Report Period	Total
Required?	58	58
Received?	58	58
Approved?	58	58

14. Are TTO standards or alternatives (solvent management plans or oil & grease monitoring) being implemented for IUs subject to TTO limitations? N/A ☐ Yes ☒ No ☐

If not, why? _____

Are TTO standards being applied to other IUs? N/A ☐ Yes ☐ No ☒

15. How many times were the following monitored during the past year?

CBWTP	Influent	Effluent *Dry Weather*	Effluent *Wet Weather*	Sludge	Ambient
Metals	52	4	4	12	NR
Priority Pollutants	4	4	3	8	NR
Biomonitoring	NR	NR	NR	NR	NR
TCLP	NR	NR	NR	NR	NR
EP Tox	NR	NR	NR	NR	NR
Other (Cyanide)	52	12	12	12	NR
(Supplemental)	NR	NR	NR	NR	NR

*NR = Not Required

16. Has the Control Authority had any problems performing compliance monitoring?
Scheduled: Yes ☐ No ☒ Unscheduled: Yes ☐ No ☒ Demand: Yes ☐ No ☒

If yes, explain: _____

17. How many, and what percentage of SIUs were (a) not sampled at least once or (b) not inspected at least once in the past 12 months? [403.8(f)(2)(vi)]

	#	%
a. Number and percent not sampled	1	1%
b. Number and percent not inspected	0	0

Note: See Form 7 comments

Form 10 – Pretreatment Program Evaluation

18. Does the control authority routinely split samples with industrial personnel? Yes ☒ No ☐
    a. If requested? Yes ☒ No ☐
    b. To verify IU self-monitoring? Yes ☐ No ☒

19. Provide the following information regarding pollutant analyses:

Parameter	Analytical Method	Name of Laboratory
Metals	EPA 200.7/EPA 200.8	City of Portland WPCL
Mercury	WPCL SOP M-10	City of Portland WPCL
Cyanide (A)	SM 4500-CN H,K	City of Portland WPCL
Cyanide (T)	SM 4500-CN E	City of Portland WPCL
Oil & Grease	EPA 1664	City of Portland WPCL
Organics	EPA 624, 625, 608	City of Portland WPCL & ALS
PCBs	EPA 608	City of Portland WPCL & ALS

20. Does the Control Authority use QA/QC for sampling and analysis? Yes ☒ No ☐

    If yes, describe: In 1992, the City of Portland Water Pollution Control Lab (WPCL) implemented a QA/QC plan containing the SOPs for sampling and analysis, updated most recently in 2017. The WPCL achieved NELAC certification #4023-004 on 9/25/17.

21. How much time normally elapses between sample collection and obtaining analytical results?
    Note: 10 - 28 days; depending on the pollutant (organic vs. inorganic).

22. Is there an established protocol clearly detailing sampling location and procedures? Yes ☒ No ☐

23. How frequently does the Control Authority use the closed cup flashpoint test, specified in 40 CFR 261.21, to monitor SIUs? [403.5(b)(1)]
    ☐ Once per year
    ☐ Prior to each sampling
    ☒ Other: CCFP is monitored at an established frequency for IUs determined by the characteristics of the IU's waste streams.

    Did the Control Authority find any problems? Yes ☐ No ☒
    If yes, explain:

24. Does the Control Authority compare all monitoring data to applicable pretreatment standards and requirements contained in the control mechanism within 15 days of its receipt? Yes ☒ No ☐

25. Does the control authority use EPA's definition of SNC? [403.8(f)(2)(viii)] Yes ☐ No ☒

    Note: The City of Portland uses a more stringent definition of SNC concerning late reports. The EPA defines a late report as SNC when it's more than 45 days late; the City of Portland defines a late

report as SNC when it's more than 30 days late.

26. Are SIUs required to notify the Control Authority within 24 hours of becoming aware of a violation and to submit additional monitoring within 30 days after the violation is identified? [403.12(g)(2)] Yes ☒ No ☐

27. If the Control Authority conducts monitoring in lieu of the user, does the Control Authority resample and obtain results within 30 days of identifying a violation? Yes ☐ No ☒

28. Date that administrative penalties were last updated: Date: 9/6/2013

29. Indicate the compliance/enforcement options that available in the event of IU noncompliance:
- ☒ Notice of Violation or Letter of Violation
- ☒ Compliance Schedule
- ☒ Injunctive Relief
- ☒ Imprisonment (via referral and criminal proceedings)
- ☒ Termination of Service
- ☒ Administrative Order
- ☒ Revocation of Permit
- ☒ Fines (Maximum Amount)
  - a. Civil $ 10,000 /day/violation
  - b. Criminal $ N/A /day/violation
  - c. Administrative $ N/A /day/violation

30. For each of the listed enforcement actions, identify the following for the ones the Control Authority has used during the reporting period (SIUs only):

Enforcement Actions	Total Number of Actions	Number of Industries Affected
Written notice or letter of violation:		
Warning Notice (WN)	54	20
Notice of Violation (NOV)	200	35
Administrative orders	0	0
Administrative fines	0	0
Show cause hearings	0	0
Compliance Orders (CO)	1	1
Permit revocation (NT – PERMIT)	2	2
Civil action	0	0
Criminal action	0	0
Termination of service (NT - SERVICE)	0	0
Consent Agreements (VCA)	1	1
Notice of Non-compliance	0	0
Cost Recovery (NOAC)	0	0

Form 10 – Pretreatment Program Evaluation

31. For each of the listed enforcement actions, indicate the number of SIUs from which penalties have been collected, and the dollar amount of penalties collected during the reporting period:

Category	Number	Amount ($)
Civil	35	$104,975
Administrative	N/A	N/A
Total	35	$104,975

*(Notes)

32. Indicate the number and percent of SIUs that were identified as being in SNC (as defined by EPA) with the following during the reporting period:

Category	Number of SNC SIUs	Percent of SNC SIUs
Applicable pretreatment standards	8	12%
Self-monitoring requirements	0	N/A
Reporting requirements	2	3%
Pretreatment compliance schedule	1	N/A
Other	2	N/A

33. Did the Control Authority publish all SIUs in SNC in newspapers, or general arbitration that provides meaningful public notice within the instructions served by the POTW? [403.8(f)(2)(vii)] Yes ☒ No ☐

If yes, attach a copy. Published in the public notices of The Oregonian on March 13th, 2019.

34. Indicate the number of SIUs that are currently in SNC with self-monitoring and were not inspected or sampled. 0

35. How many SIUs are currently on compliance schedules in order to meet new or revised pretreatment standards or requirements? 0

36. Have any CIUs been allowed more than 3 years from the effective date of a categorical standard to achieve compliance? [403.6(b)] Yes ☐ No ☒

37. Have IUs requested that data be held confidential in 2018? Yes ☒ No ☐

38. Have any requests been made by the public to review files? Yes ☒ No ☐

39. Are all records maintained for at least 3 years? Yes ☒ No ☐

40. Are there significant public or community issues impacting the POTW's pretreatment program? Yes ☐ No ☒

If yes, explain:

Form 10 – Pretreatment Program Evaluation

41. Have any problems in program implementation been observed which appear to be related to inadequate funding, resources or staff?

N/A ☐ Yes ☐ No ☒

If yes, please explain: _____

_____

_____

_____

42. Does the Control Authority have adequate resources to implement the pretreatment program? Yes ☒ No ☐

43. Does the Control Authority have the technical documents necessary for implementing its pretreatment program?

Yes ☒ No ☐

44. Does the Control Authority have access to adequate:

	Yes	No	Explain:
Sampling equipment	☒	☐	
Safety equipment	☒	☐	
Vehicles	☒	☐	
Analytical equipment	☒	☐	

Form 11

Industrial Pretreatment Program

Sewage Treatment Plant Profile

FORM 11 – SEWAGE TREATMENT PLANT PROFILE

Complete this section for each sewage treatment plant operated under an NPDES Permit (2018)

DEQ NPDES Permit Number: Columbia Boulevard Wastewater Treatment Plant…
permit no. 101505

1. Treatment Plant Design Dry Weather Flow (MGD): **110 MGD**
2. Treatment Plant Actual Dry Weather Flow (Avg) (MGD): **69 MGD Average**
3. Treatment Plant Design Wet Weather Flow (MGD): **450 MGD**
4. Treatment Plant Actual Peak Wet Weather Flow (MGD): **318 MGD (One Day Max)**
5. Sewerage System
   a. Separate (%): **60% (Area Basis)**
   b. Combined (%): **40% (Area Basis)**
   c. Number of CSO Events: **1**

6. Industrial Contribution:
   a. Flow (MGD): **3.8 MGD**
   b. % of Influent: **5.5%**
   c Number of Contributing SIUs (NON-CIUs): **36**
   d. Number of Contributing CIUs: **31**

7. Level of Treatment and Description

a.	Preliminary	☒ **Yes**		Screening
b.	Primary	☒ **Yes**		Clarifier
c.	Secondary	☒ **Yes**		Activated Sludge
d.	Tertiary	☐ **Yes**	☒ **No**	
e.	Type of Disinfection	☒ **Yes**		Sodium Hypochlorite

8. Receiving Water
   a. Name: **Columbia River**
   b. Classification (NPDES Permit Hydro Code): **Col. R. 105.5 & 105.6**
   c. Designated Beneficial Uses (OAR 340-41 Basin Standards): See attached Table 101A

9. Effluent Discharged to Any Location Other Than Receiving Water? ☐ Yes ☒ **No**
   If yes, Indicate Where, When, and Describe: **N/A**

10. Indicate methods of biosolids (sludge) disposal (Mg/Kg (dry weight) / year)
    a. Land Application: **7,930 dry tons**
    b. Municipal Solid Waste Landfill: **1,206 dry tons**
    c. Sale or Donation to Public: **None**
    d. Other (Specify): **None**

Table 101A

Designated Beneficial Uses
Mainstem Columbia River
(340-41-0101)

Beneficial Uses	Columbia River Mouth to RM 86	Columbia River RM 86 to 309
Public Domestic Water Supply[1]	X	X
Private Domestic Water Supply[1]	X	X
Industrial Water Supply	X	X
Irrigation	X	X
Livestock Watering	X	X
Fish & Aquatic Life[2]	X	X
Wildlife & Hunting	X	X
Fishing	X	X
Boating	X	X
Water Contact Recreation	X	X
Aesthetic Quality	X	X
Hydro Power		X
Commercial Navigation & Transportation	X	X

[1] With adequate pretreatment and natural quality that meets drinking water standards.

[2] See also Table 101B for fish use designations for this river.

Table produced November, 2003

Form 12

Industrial Pretreatment Program

Pretreatment Program Profile

FORM 12 – Pretreatment Program Profile(s)

1. Information pertaining to contributing jurisdictions (complete for each jurisdiction):

   a. Name of Contributing Jurisdiction - **Clackamas County**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **April 18, 2001**
   Date Incorporated into NPDES Permit: **September 19, 2002**
   Number of CIUs in Contributing Jurisdiction: **None**
   Number of other SIUs in Contributing Jurisdiction: **One**

   b. Name of Contributing Jurisdiction - **Clackamas County Service District #1 (CCSD #1)**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **November 13, 2007**
   Date Incorporated into NPDES Permit: **July 01, 2011**
   Number of CIUs in Contributing Jurisdiction: **None**
   Number of other SIUs in Contributing Jurisdiction: **None**

   c. Name of Contributing Jurisdiction – **City of Gresham**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **December 5, 2001**
   Date Incorporated into NPDES Permit: **August 5, 2002**
   Number of CIUs in Contributing Jurisdiction: **None**
   Number of other SIUs in Contributing Jurisdiction: **None**

   d. Name of Contributing Jurisdiction – **Dunthorpe-Riverdale**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **November 12, 2003**
   Date Incorporated into NPDES Permit: **July 01, 2011**
   Number of CIUs in Contributing Jurisdiction: **None**
   Number of other SIUs in Contributing Jurisdiction: **None**

   e. Name of Contributing Jurisdiction **– City of Lake Oswego**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **May 7, 1992**
   Date Incorporated into NPDES Permit: **November 26, 1997**
   Number of CIUs in Contributing Jurisdiction: **None**
   Number of other SIUs in Contributing Jurisdiction: **None**

   f. Name of Contributing Jurisdiction – **City of Milwaukie**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **May 7, 1992**
   Date Incorporated into NPDES Permit: **November 26, 1997**
   Number of CIUs in Contributing Jurisdiction: **One**
   Number of other SIUs in Contributing Jurisdiction: **None**

   g. Name of Contributing Jurisdiction **– City of Tualatin**
   DEQ Approved IJA or IGA ☒ **Yes** ☐ No
   Date Approved by DEQ: **May 7, 1992**
   Date Incorporated into NPDES Permit: **November 26, 1997**

Number of CIUs in Contributing Jurisdiction: **None**
Number of other SIUs in Contributing Jurisdiction: **None**

h. Name of Contributing Jurisdiction **– Clean Water Services (CWS)**
DEQ Approved IJA or IGA ☒ **Yes** ☐ No
Date Approved by DEQ: **July 20, 1999**
Date Incorporated into NPDES Permit: **July 01, 2011**
IGA was modified: **December 2012**
Number of CIUs in Contributing Jurisdiction: **None**
Number of other SIUs in Contributing Jurisdiction: **None**

j. Name of Contributing Jurisdiction **– Multnomah County (West Hills Service District)**
DEQ Approved IJA or IGA ☒ **Yes** ☐ No
Date Approved by DEQ: **November 12, 2003**
Date Incorporated into NPDES Permit: **July 01, 2011**
Number of CIUs in Contributing Jurisdiction: **None**
Number of other SIUs in Contributing Jurisdiction: **None**

j. If relying on contributing jurisdictions, indicate, **for each**, which activities they are required to perform: ☒ **Industrial User Survey**
   a. Milwaukie, Tualatin, Gresham, CWS, and CCSD #1 conduct the industrial survey on behalf of the City of Portland
   b. The City of Portland conducts the industrial user surveys in Dunthorpe-Riverdale, Multnomah Co., and Clackamas Co. Unincorporated.
   c. The City of Portland is delegated all other pretreatment program authorities in each IJA.

2. Indicate approved Pretreatment Program compliance and inspection frequency requirements:

a.	Inspections	CIUs:	**One/Yr**
		Other SIUs:	**One/Yr**
b.	Sampling by Control Authority (i.e., the Municipality or POTW)	CIUs:	**Minimum One/Yr**
		Other SIUs:	**Minimum One/Yr**
c.	Industrial User (IU) Self-monitoring	CIUs:	**Minimum Two/Yr**
		Other SIUs:	**Minimum Two/Yr**
d.	Reporting by IUs:	CIUs:	**Minimum Two/Yr**
		Other SIUs:	**Minimum Two/Yr**

FORM 12 – Pretreatment Program Profile(s)

3. Removal Credits

   a. Is the Control Authority currently authorized to issue removal credits? ☐Yes ☒**No**

   b. Has the POTW applied for authorization to issue removal credits? ☐Yes ☒**No**

   If yes, provide the date: _____

   c. Has the Control Authority issued any removal credits? ☐Yes ☒**No**

   If yes, provide the date: _____

   d. Date of most recent removal credits approval (if applicable): _____

4. Is any part of the Pretreatment Program being operated under any pretreatment-related consent decree, administrative order, compliance schedule, or other enforcement action? ☐Yes ☒**No**

5. List effluent and sludge quality (see *Form 3*).

   *List NPDES Permit effluent and biosolids limits violated and suspected causes.

   There were no NPDES Permit effluent or biosolids limits violations in 2018.

6. Have treatment plant biosolids violated any TCLP tests? ☐ Yes ☒**No**

   If yes, explain:

Form 13

Industrial Pretreatment Program

Pretreatment Data Summary

Form 13 – Pretreatment Data Summary Sheet 2018

Reference	Question Narrative	Response	Explanation/Comments
Form 2, Question 6	Date of Most Recent Technical Evaluation for Local Limits	1/29/2016	
	Date of Most Recent Adoption of Technically Based Local Limits	6/14/2016	
	Pollutants for which local limits have been established	6/14/2016	
Form 10, Question 4	Has City adopted NSCIU/MTCIU?	No	
	Number of SIUs	63	
	Number of CIUs	25	
	Number of Non-Categorical SIUs	33	
	Number of NDCIU subject to zero discharge	5	
	Number of NDCIU NOT subject to zero discharge	17	
	Number of NSCIU	0	
	Number of other Permitted IUs (not SIU or CIU)	42	Non-Significant IUs
Form 10, Question 6	Number of SIUs Without Control Mechanism	0	
Form 10, Question 9	Acceptance of Hauled Domestic Wastes?	No	
Form 10, Question 10	Acceptance of Non-Hazardous Industrial Wastes?	No	
Form 10, Question 17	Number of SIUs Not Sampled	1	See Form 7 Comments
Form 10, Question 17	Number of SIUs Not Inspected	0	
Form 10, Question 30	Number of Violation Notices Issued to SIUs	200	
	Number of Administrative Orders Issued to SIUs	1	Compliance Orders
	Number of Civil Suits Filed Against SIUs	0	
	Number of Criminal Suits Filed Against SIUs	0	
Form 10, Question 31	Number of IUs from which Penalties have been collected	35	
	Dollar Amount of Penalties Collected	$104,975	

Form 13 – Pretreatment Data Summary Sheet 2018

Reference	Question Narrative	Response	Explanation/Comments
Form 10, Question 32	Number of SIUs in SNC with Pretreatment Standards	8	
	Number of SIUs in SNC with Self-Monitoring Standards	0	
	Number of SIUs in SNC with Reporting Requirements	2	
	Number of SIUs in SNC with Pretreatment Compliance Schedule	1	
Form 10, Question 33	Are all SIUs in SNC Published in Newspaper?	Yes	Published in The Oregonian 3/13/19
Form 12, Question 3	Is Control Authority currently authorized to issue removal credits?	No	
	Has the POTW applied for authorization to issue removal credits?	No	
	Has the Control Authority issued any removal credits?	No	
	Date of Most Recent Removal Credits Approval *(if applicable)*	N/A	

Questions about this report may be directed to:

Dan Parnell
Industrial Permitting Manager
Dan.Parnell@PortlandOregon.gov

City of Portland
Water Pollution Control Laboratory
6543 N. Burlington Ave.
Portland, OR 97203