



DEPARTMENT OF THE NAVY
NAVAL UNDERSEA WARFARE CENTER DIVISION
610 DOWELL STREET
KEYPORT, WASHINGTON 98345-7610

5090
Ser 102/048

Ms. Maia Hoffman
Industrial Wastewater Pretreatment Engineer
Washington State Department of Ecology
Northwest Regional Office
3190-160th Avenue Southeast
Bellevue, WA 98001-5452

Dear Ms. Hoffman:

SUBJECT: REQUEST MODIFICATION OF STATE WASTE DISCHARGE PERMIT
NO. ST-7353

This letter is to request the following modifications to the State Waste Discharge Permit No. ST-7353:

a. As described in the Fact Sheet for Future Upgrades at Building 514, relocate monitoring Propylene Glycol Dinitrate (PGDN), by adding an additional Sample Point 003 for the measurement of PGDN at the source, located in Building 514 and the deletion of monitoring of PGDN at Sample Point 001. Permit modification to the Fact Sheet indicating the Otto Fuel Reclamation System (OFRS) in Building 514 discharges directly to the sanitary sewer instead of to the Industrial Wastewater Treatment Plant (IWTP). Current line from Building 514 to the Treatment Plant will remain in place and will not be abandoned. Otto Fuel Reclamation System Wastewater Analytical Test Results contains test results from three sets of samples taken from the OFRS wastewater prior to being treated at the IWTP, demonstrating this discharge is under the sanitary sewer in-fall Maximum Contaminant Levels (MCLs) and therefore, only needs to be tested for the PGDN analyte. Sample Point 003 is slated to be used after system upgrade has been completed, which is scheduled for 2022.

b. Permit modification to add the following paragraph at the end of Section S9:

"However, temporary discharges with a volume of less than 1,000 gallons, and which are evaluated, and found not to be a dangerous waste, hazardous waste, or a categorical discharge as defined under 40 CFR Parts 403-699, and are determined not to

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contain pollutants in concentrations greater than the local limitations, may be made without prior notice to Ecology and Central Kitsap Waste Water Treatment Plant (WWTP). The evaluations and characterizations of the discharges, must be made available to Ecology and Central Kitsap WWTP if requested."

c. Permit modification to replace Section S11 with the following paragraph and table:

"In addition to the discharge authorizations subject to the limits and monitoring requirements under S1 and S2 of this permit, the Permittee is authorized to discharge wastewater from the following intermittent discharges resulting from routine operations."

Location (Building Number)	Process	Daily Maximum Flow Anticipated (gpd) ^a
38	<u>Water Jet Cutter</u> - Solids Settling Treatment System Water	1000
82	Minor and Intermittent Discharges of Industrial Wastewater for which monitoring is not required in this Permit	500
P-386	<u>Treatment of oily wastewater</u> - Oil Water Separator services vehicle wash rack trench drain under covered area on south side of new building being constructed.	2000
Various	<u>Eyewash station discharges</u> (General) - discharge of emergency eyewash stations at the facility. This is a common general wastestream that may occur at multiple sites throughout the installation.	5000
Various	<u>Mop wastewater</u> (General) - discharge for mop water from janitorial activities at the installation.	5000
Various	<u>Concrete cutting and slurry water</u> (General) - discharge for concrete cutting and slurry water from concrete activities at the facility. This is a common general wastestream that may occur at multiple sites throughout the	5000

	installation. Any chemical additives from concrete activities, will need Base Environmental Office approval prior to discharge. Additionally, wastewater will be neutralized (pH adjusted), settled, and filtered prior to discharge into sanitary sewer.	
81,82,98	<u>Hydro-testing water</u> - discharge of potable water used in hydro-testing applications at the facility.	5000
108,514	<u>Noncontact cooling water</u> - potable water, single pass cooling water.	500
80,206,478,489,514,894,1003,1050,1058,and 1059	<u>Boilers and cooling towers discharges</u> - discharge for boilers, and cooling towers blowdown water, and ancillary discharges.	2000
82,478,894	<u>Washdown water</u> - potable water used to wash components returning from open water testing.	5000
98,478,820	<u>Test tank water</u> - Aquarium salinity added to potable water to test small vehicles in tank.	5000
Various	<u>Utility potable water line flushing</u> - designated for discharge of chlorinated water from installation potable water line flushing for disinfection. This is a general waste stream, that occasionally occurs at multiple sites throughout the installation. Kitsap County Publicly Owned Treatment Works guidance requires flow be metered at less than 150 gpm, and any volume greater than 5,000 gallons be dechlorinated to less than 50 ppm prior to discharge.	20000
<p>^a The maximum flow discharge rates are not limitations, but are intended for purposes of describing the authorized flows. Due to the volume and nature of the above discharges, no monitoring is required.</p>		

Publicly-Owned Treatment Works has reviewed and approved the modification as required by WAC 173-216-070(4)(b). See Publicly-Owned Treatment Works Section J Certification.

I certify under penalty of law, that this document and all attachments were prepared under my direction, or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

For questions or comments regarding this Permit Modification Request, please contact Mr. Gary Simmons at phone(360) 315-8571, or via e-mail at gary.d.simmons@navy.mil.

Sincerely,

A. HOCUTT
Department Head
Corporate Operations
By direction of the
Commanding Officer

Encl: 1. Otto Fuel Reclamation System Wastewater
Analytical Test Results
2. Publicly-Owned Treatment Works Section J
Certification.

Copy to: Mr. Chris Sheridan, Sewer Utility Operations Manager
Kitsap County Public Works
Central Kitsap Treatment Plant
12351 Brownsville Highway NE
Poulsbo WA 98370

5090
Ser 102/048

Blind copy to:
NAVUNDSEAWARCENDIV KEYPORT (10, 102, 1023)

**OTTO FUEL RECLAMATION SYSTEM (OFRS)
WASTEWATER SAMPLING TEST RESULTS**



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Certificate of Analysis

NUWC Div. Keyport
610 Dowell St.
Keyport, WA 98345

Date Received: 10/5/2016
Date Reported: 10/17/2016
Sampler: Gary/Mike

Project: IWTP

Test	Result	Units	Method	Test Date	Initials
162851-02	514-6278-2			Date Sampled: 10/4/2016	
Total Suspended Solids	12	mg/L	SM 2540 D	10/10/2016	EC
162851-03	514-6278-3			Date Sampled: 10/4/2016	
Arsenic	<4.0	µg/L	EPA 200.7	10/12/2016	KW
Cadmium	18.9	µg/L	EPA 200.7	10/12/2016	KW
Chromium	1.22	µg/L	EPA 200.7	10/12/2016	KW
Copper	132	µg/L	EPA 200.7	10/12/2016	KW
Lead	<4.0	µg/L	EPA 200.7	10/12/2016	KW
Mercury	<0.03	µg/L	EPA 200.7	10/12/2016	KW
Molybdenum	5.38	µg/L	EPA 200.7	10/15/2016	KW
Nickel	9.76	µg/L	EPA 200.7	10/12/2016	KW
Selenium	<7.0	µg/L	EPA 200.7	10/12/2016	KW
Silver	<0.3	µg/L	EPA 200.7	10/12/2016	KW
Zinc	26.7	µg/L	EPA 200.7	10/12/2016	KW

Approved For Release


Nancy Parrott, Laboratory Supervisor

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10/07/2016

Spectra Laboratories-Kitsap, LLC ^{MP}
26276 Twelve Trees Lane
Suite C
Poulsbo, WA 98370

P.O.#: 162851
Project: I.W.T.P.
Client ID: 514-6278-1
Sample Matrix: Wastewater
Date Sampled: 10/04/2016
Date Received: 10/06/2016
Spectra Project: 2016100231
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Cyanide	<0.01	mg/L	SM 4500-CN E

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Steve Hibbs, Laboratory Manager
as/bja



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October 17, 2016

Gary Simmons
NUWC Div Keyport
610 Dowell St Bldg 825
Keyport, WA 98345

Project: IWTP
Sample Date: 10/4/16 0840

Lab Work Order#: 162851
Sample Received: 10/5/16 1011

Digested Laboratory Check Standard

Test Parameter	QC Sample ID	True Value ug/L	Result ug/L	% Recovery	Date Analyzed	Method
Arsenic	P255-500	389	381	98.0	10/13/16	EPA 200.7
Cadmium	P255-500	743	748	101	10/13/16	EPA 200.7
Chromium	P255-500	645	672	104	10/13/16	EPA 200.7
Copper	P255-500	727	747	103	10/13/16	EPA 200.7
Lead	P255-500	302	322	107	10/13/16	EPA 200.7
Mercury	P255-514	4.72	5.16	109	10/12/16	SM 3112B
Molybdenum	P255-500	583	626	107	10/15/16	EPA 200.7
Nickel	P255-500	1150	1200	104	10/13/16	EPA 200.7
Selenium	P255-500	659	631	95.7	10/13/16	EPA 200.7
Silver	P255-500	766	741	96.7	10/13/16	EPA 200.7
Zinc	P255-500	1080	1090	101	10/13/16	EPA 200.7

Digest Blank

Test Parameter	Blank ID	Result mg/L	Date Analyzed	Method
Arsenic	PB41.209	<4.0	10/13/16	EPA 200.7
Cadmium	PB41.209	<0.3	10/13/16	EPA 200.7
Chromium	PB41.209	<0.4	10/13/16	EPA 200.7
Copper	PB41.209	<3.0	10/13/16	EPA 200.7
Lead	PB41.209	<4.0	10/13/16	EPA 200.7
Mercury	PB42.211	<0.03	10/12/16	SM 3112B
Molybdenum	PB41.209	<1.5	10/15/16	EPA 200.7
Nickel	PB41.209	<0.7	10/13/16	EPA 200.7
Selenium	PB41.209	<7.0	10/13/16	EPA 200.7
Silver	PB41.209	<0.3	10/13/16	EPA 200.7
Zinc	PB41.209	<4.0	10/13/16	EPA 200.7



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Quality Control Report

Project: IWTP
Sample Date: 10/4/16 0840

Lab Work Order#: 162851
Sample Received: 10/5/16 1011

Laboratory Check Standard

Test Parameter	QC Sample ID	True Value mg/L	Result mg/L	% Recovery	Date Analyzed	Method
Total Suspended Solids	GC 16061	100	98.0	98.0	10/10/16	SM2540 D

Blank

Test Parameter	Result mg/L	Date Analyzed	Method
Total Suspended Solids	<4	10/10/16	SM2540 D

Approved for Release,

Nancy Parrott
Laboratory Supervisor

WDOE Accreditation #C594

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October 7, 2016

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Poulsbo, WA 98370

Units: mg/L
Spectra Project: 2016100231
Applies to Spectra #: 1

QUALITY CONTROL RESULTS
Total Cyanide In Water - SM4500CN-E

Method Blank	
Date Digested: 10/7/2016	Date Analyzed: 10/7/2016
Cyanide	Result < 0.01

Blank Spike (LCS)			
Date Digested: 10/7/2016	Date Analyzed: 10/7/2016		
Cyanide	Spike Added	LCS Conc.	LCS %Rec
	0.10	0.095	95.0

LCS Recovery limits 55-126%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)							
Date Digested: 10/4/2016	Date Analyzed: 10/4/2016						
Sample Spiked: 2016090873-1							
Cyanide	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
	0.00	0.1	0.095	95.0	0.091	91.0	4.3

Recovery Limits 62-130%
RPD Limit 20

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Steven B. Hibbs
Laboratory Manager

Client Information	Test Parameters Required
Company/Client: <u>N. U. W. C.</u>	Number of Containers: _____ RCRA Metals: As Ba Cd Cr Pb Hg Se Ag Priority Pollutant Metals: Sb As Be Cr Cu Pb Hg Ni Se Ag Ti Zn 503 Regs: As Cd Cu Pb Hg Mo Ni Se Zn, <u>Ag, Cr</u> Metals (Specify): _____ BOD CBOD COD HEM SGT (Oil & Grease/TPH) Solids: TDS <u>TSS</u> TVS TVSS TS Turbidity pH Nitrate-N Ammonia-N Orthophosphate-P Nitrate+Nitrite-N TKN Total Phosphorous <u>TOTAL CYANIDE</u> Fecal Coliform: MPN or MF Ag Soil: pH and EC crop: _____
Address: <u>1610 DOWELL ST. BLDG 825</u>	
City: <u>KEYPORT</u> State: <u>WA</u> Zip: <u>98345</u>	
Project Information	
Project Manager/Report To: <u>GARY SIMMONS</u>	
Project Name: <u>I. W. T. P.</u> Sampled by: <u>GARY / MIKE</u>	
Telephone No: <u>360-315-8571/8197</u> Fax No: _____	
Email address: _____	

Sample ID	Date	Time	Matrix	Hazard	Lab ID	Circle the desired parameters above if multiple tests are listed on the same line																
1 <u>514-6278-1</u>	<u>10/4/16</u>	<u>0840</u>	<u>w/w</u>		<u>112851-01</u>	1															X	
2 <u>514-6278-2</u>	<u>10/4/16</u>	<u>0840</u>	<u>w/w</u>		<u>-02</u>	1								X								
3 <u>514-6278-3</u>	<u>10/4/16</u>	<u>0840</u>	<u>w/w</u>		<u>-03</u>	1				X												
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Routine Disposal Hazardous sample disposal
 Return to Client (Cost of disposal will be billed to client)

Special Instructions _____

Sample Receipt:	Signatures (Name, Company, Date, Time)		
Total # of containers <u>3</u>			
COC seals present? <input checked="" type="checkbox"/> intact?	Relinquished by: <u>[Signature]</u>	Company: <u>N. U. W. C. Keyport</u>	Date: <u>5 OCT 16</u> Time: <u>10:11</u>
Temp at receipt? <u>14.4 °C</u>	(print) _____ (Signature)		
Samples intact? <u>Y</u>	Received by: <u>[Signature]</u>	Company: <u>Spectra Kitsap</u>	Date: <u>10/5/16</u> Time: <u>1011</u>
Received Via: <u>Client</u>	(print) _____ (Signature)		
Turn-around Time Requirement			
<input checked="" type="checkbox"/> Standard (10 Business days)	Relinquished by: _____	Company: _____	Date: _____ Time: _____
<input type="checkbox"/> Rush (specify date needed) ‡	(print) _____ (Signature)		
<input type="checkbox"/> Other (specify) _____	Received by: _____	Company: _____	Date: _____ Time: _____
‡ additional charges may apply	(print) _____ (Signature)		

Samples received after 12 noon will be considered as received the following business day



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Certificate of Analysis

NUWC Div. Keyport
610 Dowell St.
Keyport, WA 98345

Date Received: 11/14/2016
Date Reported: 12/5/2016
Sampler: Gary Sullivan

Project: IWTP

Test	Result	Units	Method	Test Date	Initials
163917-02	514-6313-2			Date Sampled: 11/8/2016	
Total Suspended Solids	85	mg/L	SM 2540 D	11/15/2016	EC
163917-03	514-6313-3			Date Sampled: 11/8/2016	
Arsenic	12.4	µg/L	EPA 200.7	11/15/2016	KW
Cadmium	25.8	µg/L	EPA 200.7	11/15/2016	KW
Chromium	7.75	µg/L	EPA 200.7	11/15/2016	KW
Copper	722	µg/L	EPA 200.7	11/15/2016	KW
Lead	5.33	µg/L	EPA 200.7	11/15/2016	KW
Mercury	0.03	µg/L	EPA 7470A	11/9/2016	KW
Molybdenum	4.07	µg/L	EPA 200.7	11/15/2016	KW
Nickel	7.70	µg/L	EPA 200.7	11/15/2016	KW
Selenium	<7.0	µg/L	EPA 200.7	11/15/2016	KW
Silver	<0.3	µg/L	EPA 200.7	11/15/2016	KW
Zinc	132	µg/L	EPA 200.7	11/15/2016	KW

Approved For Release


Nancy Parrott, Laboratory Supervisor



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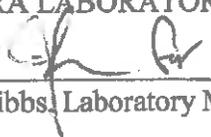
11/29/2016

Spectra Laboratories-Kitsap, LLC *YLP*
26276 Twelve Trees Lane
Suite C
Poulsbo, WA 98370

P.O.#: 163917
Project: I.W.T.P.
Client ID: 514-6313
Sample Matrix: Wastewater
Date Sampled: 11/08/2016
Date Received: 11/15/2016
Spectra Project: 2016110466
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Cyanide	< 0.01	mg/L	SM 4500-CN ⁻ E

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Steve Hibbs, Laboratory Manager
a6/mkw



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December 5, 2016

Gary Simmons
NUWC Div Keyport
610 Dowell St Bldg 825
Keyport, WA 98345

Project: IWTP
Sample Date: 11/8/16 1240

Lab Work Order#: 163917
Sample Received: 11/8/16 1405

Digested Laboratory Check Standard

Test Parameter	QC Sample ID	True Value ug/L	Result ug/L	% Recovery	Date Analyzed	Method
Arsenic	ICP16031	100	107	107	11/15/16	EPA 200.7
Cadmium	ICP16031	100	97.3	97.3	11/15/16	EPA 200.7
Chromium	ICP16031	100	102	102	11/15/16	EPA 200.7
Copper	ICP16031	100	99.9	99.9	11/15/16	EPA 200.7
Lead	ICP16031	100	103	103	11/15/16	EPA 200.7
Mercury	ME6 110916	5.00	5.20	104	11/9/16	SM 3112B
Molybdenum	ICP16031	100	97.2	97.2	11/15/16	EPA 200.7
Nickel	ICP16031	100	104	104	11/15/16	EPA 200.7
Selenium	ICP16031	100	87.6	87.6	11/15/16	EPA 200.7
Silver	ICP16031	100	96.6	96.6	11/15/16	EPA 200.7
Zinc	ICP16031	100	103	103	11/15/16	EPA 200.7

Digest Blank

Test Parameter	Blank ID	Result mg/L	Date Analyzed	Method
Arsenic	PB46.244	<4.0	11/15/16	EPA 200.7
Cadmium	PB46.244	<0.5	11/15/16	EPA 200.7
Chromium	PB46.244	<0.4	11/15/16	EPA 200.7
Copper	PB46.244	<3.0	11/15/16	EPA 200.7
Lead	PB46.244	<4.0	11/15/16	EPA 200.7
Mercury	PB46.242	<0.03	11/9/16	SM 3112B
Molybdenum	PB46.244	<1.5	11/15/16	EPA 200.7
Nickel	PB46.244	<0.7	11/15/16	EPA 200.7
Selenium	PB46.244	<7.0	11/15/16	EPA 200.7
Silver	PB46.244	<0.3	11/15/16	EPA 200.7
Zinc	PB46.244	<4.0	11/15/16	EPA 200.7



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Quality Control Report

Project: IWTP
Sample Date: 11/8/16 1240

Lab Work Order#: 163917
Sample Received: 11/8/16 1405

Laboratory Check Standard

Test Parameter	QC Sample ID	True Value mg/L	Result mg/L	% Recovery	Date Analyzed	Method
Total Suspended Solids	GC 16061	100	94	94	11/15/16	SM2540 D

Blank

Test Parameter	Result mg/L	Date Analyzed	Method
Total Suspended Solids	<4	11/15/16	SM2540 D

Approved for Release,

Nancy Parrott
Laboratory Supervisor

WDOE Accreditation #C594

This report is issued solely for the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis according to industry accepted practice. SPECTRA Laboratories – Kitsap, LLC or its employees are not responsible for consequential damages in any kind or in any amount.

December 2, 2016

Spectra Laboratories- Kitsap, LLC *mp*
26276 Twelve Trees Lane
Suite C
Poulsbo, WA 98370

Sample Matrix: Water
Spectra Project # 2016110466
Applies to Sample # 1

QUALITY CONTROL RESULTS

<u>Analyte</u>	<u>Method</u>	<u>CAS #</u>	<u>Date</u>	<u>Analyst</u>	<u>Method</u> <u>Blank</u> <u>Result</u>	<u>ICV %</u> <u>Rec.</u>	<u>Control</u> <u>Limits</u>
Cyanide	SM4500-CN-E	---	11/29/16	BN	<0.1	83	55-126

* Control Limits non-metal analysis are R+/- 3s, as per WDOE Accreditation Manual.

SPECTRA LABORATORIES



Steven G. Hibbs, Laboratory Manager

Client Information
 Company/Client: N. W. W. C.
 Address: 6010 Dowell St. Bldg 805
 City: Keyport State: WA Zip: 98345
Project Information
 Project Manager/Report To: GARY SIMMONS
 Project Name: E.W. T.P. Sampled by: Cary Sullivan
 Telephone No: 360-315-8571/8497 Fax No: _____
 Email address: _____

Sample ID	Date	Time	Matrix	Hazard	Lab ID
1 514-6313 -1	11-8-16	1240	W/W		163917-01
2 514-6313 -2	11-8-16	1240	W/W		163917-02
3 514-6313 -3	11-8-16	1240	W/W		163917-03
4					
5					
6					
7					
8					
9					
10					
11					
12					

Test Parameters Required

Number of Containers	1
RCRA Metals: As Ba Cd Cr Pb Hg Se Ag	
Priority Pollutant Metals: Sb As Be Cr Cu Pb Hg Ni Se Ag Tl Zn	
503 Regs: As Cd Cu Pb Hg Mo Ni Se Zn, Ag, Cr	
Metals (Specify):	
BOD CBOD COD	
HEM SGT (Oil & Grease/TPH)	
Solids: TSS TVS TVSS TS	
Turbidity pH	
Nitrate-N Ammonia-N Orthophosphate-P	
Nitrate+Nitrite-N	
TKN Total Phosphorus	
Fecal Coliform: MPN or MF	
Ag Soil: pH and EC crop:	

Special Instructions

Circle the desired parameters above if multiple tests are listed on the same line

Sample Receipt:
 Total # of containers: 3
 COC seals present? A intact?
 Temp at receipt? 15.1 °C
 Samples intact? Y
 Received Via: Chest
Turnaround Time Requirement
 Standard (10 Business days)
 Rush (specify date needed):
 Other (specify):
 ‡ additional charges may apply

Relinquished by: Gary Sullivan (Signature) Date: 11-8-16 Time: 2:05
Received by: Angela Baraus (Signature) Date: 11/8/16 Time: 205

Relinquished by: _____ (Signature) Date: _____ Time: _____
Received by: _____ (Signature) Date: _____ Time: _____

Samples received after 12 noon will be considered as received the following business day

SAMPLE #3



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Certificate of Analysis

NUWC Div. Keyport
610 Dowell St.
Keyport, WA 98345

Date Received: 7/6/2017
Date Reported: 7/18/2017

Project: IWTP

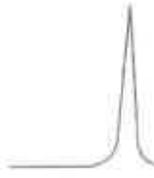
Sample Number: 169668-01
Sample ID: 514-7186-3
Description:

Date Sampled: 7/5/2017
Sampler: Gary Sullivan

Test	Result	Units	Method	Date	Initials
Cadmium	<1.0	µg/L	EPA 200.7	7/13/2017	KW
Chromium	<1.0	µg/L	EPA 200.7	7/13/2017	KW
Copper	<3.0	µg/L	EPA 200.7	7/13/2017	KW
Lead	<3.0	µg/L	EPA 200.7	7/13/2017	KW
Nickel	<1.0	µg/L	EPA 200.7	7/13/2017	KW
Silver	<1.1	µg/L	EPA 200.7	7/13/2017	KW
Zinc	11.2	µg/L	EPA 200.7	7/13/2017	KW

Approved For Release

Nancy Parrott, Laboratory Supervisor



SPECTRA Laboratories

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07/12/2017

Spectra Laboratories-Kitsap, LLC *NP*
26276 Twelve Trees Lane
Suite C
Poulsbo, WA 98370

P.O.#: 169668
Project: IWTP
Client ID: 514-7186-A+B
Sample Matrix: Wastewater
Date Sampled: 07/05/2017
Date Received: 07/06/2017
Spectra Project: 2017070066
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
TTO	<10	µg/L	EPA 624

SPECTRA LABORATORIES


Jeffrey Cooper, Laboratory Manager
a6/jac



SPECTRA Laboratories - Kitsap

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July 18, 2017

Gary Simmons
NUWC Div Keyport
610 Dowell St Bldg 825
Keyport, WA 98345

Project: IWTP
Sample Date: 7/5/17 1406

Lab Work Order#: 169668
Sample Received: 7/6/17 0920

Digested Laboratory Check Standard

Test Parameter	QC Sample ID	True Value ug/L	Result ug/L	% Recovery	Date Analyzed	Method
Cadmium	LCS071117-3	100	97.6	97.6	7/13/17	EPA 200.7
Chromium	LCS071117-3	100	102	102	7/13/17	EPA 200.7
Copper	LCS071117-3	100	103	103	7/13/17	EPA 200.7
Lead	LCS071117-3	100	101	101	7/13/17	EPA 200.7
Nickel	LCS071117-3	100	101	101	7/13/17	EPA 200.7
Silver	LCS071117-3	100	100	100	7/13/17	EPA 200.7
Zinc	LCS071117-3	100	102	102	7/13/17	EPA 200.7

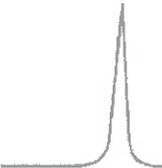
Digest Blank

Test Parameter	Blank ID	Result mg/L	Date Analyzed	Method
Cadmium	MBLK071117-3	<1.0	7/13/17	EPA 200.7
Chromium	MBLK071117-3	<1.0	7/13/17	EPA 200.7
Copper	MBLK071117-3	<3.0	7/13/17	EPA 200.7
Lead	MBLK071117-3	<3.0	7/13/17	EPA 200.7
Nickel	MBLK071117-3	<1.0	7/13/17	EPA 200.7
Silver	MBLK071117-3	<1.1	7/13/17	EPA 200.7
Zinc	MBLK071117-3	<3.0	7/13/17	EPA 200.7

Approved for Release,

Nancy Parrott
Laboratory Supervisor
WDOE Accreditation #C594

This report is issued solely for the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis according to industry accepted practice. SPECTRA Laboratories – Kitsap, LLC or its employees are not responsible for consequential damages in any kind or in any amount.



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July 12, 2017

Spectra Laboratories Kitsap
26276 Twelve Tree Lane
Poulsbo, WA 98370

MP

Sample matrix: Water

Spectra Project:
Spectra #
Applies to Sample #1

Date Received: 7/6/2017
Date Analyzed: 7/6/2017
Dilution: 1
< = less than
2017070066
Method Blank

VOLATILE ORGANIC ANALYSIS

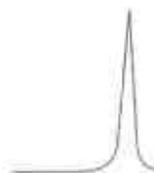
METHOD 624/8260

Compound	ug/L	Compound	ug/L
Acetone	< 10.00	1,2-Dichloropropane	< 1.00
Acrolein	< 10.00	1,3-Dichloropropane	< 1.00
Acrylonitrile	< 10.00	cis-1,3-Dichloropropene	< 1.00
Benzene	< 1.00	trans-1,3-Dichloropropene	< 1.00
Bromobenzene	< 1.00	2,2-Dichloropropane	< 1.00
Bromochloromethane	< 1.00	1,1-Dichloropropene	< 1.00
Bromodichloromethane	< 1.00	Ethylbenzene	< 1.00
Bromoform	< 1.00	2-Hexanone (MBK)	< 10.00
Bromomethane	< 1.00	Hexachlorobutadiene	< 1.00
2-Butanone (MEK)	< 10.00	Iodomethane	< 10.00
n-Butylbenzene	< 1.00	Isopropylbenzene	< 1.00
sec-Butylbenzene	< 1.00	p-Isopropyltoluene	< 1.00
tert-Butylbenzene	< 1.00	Methylene chloride	< 1.00
Carbon Disulfide	< 10.00	4-Methyl-2-pentanone (MIBK)	< 10.00
Carbon tetrachloride	< 1.00	MTBE	< 1.00
Chlorobenzene	< 1.00	Naphthalene	< 1.00
Chlorodibromomethane	< 1.00	n-Propylbenzene	< 1.00
Chloroethane	< 1.00	Styrene	< 1.00
2-Chloroethyl Vinyl ether	< 10.00	1,1,1,2-Tetrachloroethane	< 1.00
Chloroform	< 1.00	1,1,2,2-Tetrachloroethane	< 1.00
Chloromethane	< 1.00	Tetrachloroethene	< 1.00
2-Chlorotoluene	< 1.00	Toluene	< 1.00
4-Chlorotoluene	< 1.00	Total Xylenes	< 2.00
1,2-Dibromo-3-Chloropropane (DBCP)	< 10.00	1,2,3-Trichlorobenzene	< 1.00
1,2-Dibromoethane (EDB)	< 1.00	1,2,4-Trichlorobenzene	< 1.00
Dibromomethane	< 1.00	1,1,1-Trichloroethane	< 1.00
1,2-Dichlorobenzene	< 1.00	1,1,2-Trichloroethane	< 1.00
1,3-Dichlorobenzene	< 1.00	Trichloroethene	< 1.00
1,4-Dichlorobenzene	< 1.00	Trichlorofluoromethane	< 1.00
Dichlorodifluoromethane	< 1.00	1,2,3-Trichloropropane	< 1.00
1,1-Dichloroethane	< 1.00	1,2,4-Trimethylbenzene	< 1.00
1,2-Dichloroethane	< 1.00	1,3,5-Trimethylbenzene	< 1.00
1,1-Dichloroethene	< 1.00	Vinyl Acetate	< 10.00
cis-1,2-Dichloroethene	< 1.00	Vinyl chloride	< 1.00
trans-1,2-Dichloroethene	< 1.00		

SURROGATE RECOVERIES

Dibromofluoromethane	108	%
1,2-Dichloroethane-d4	118	%
Toluene-d8	105	%
4-Bromofluorobenzene	108.0	%

[Signature]
Jeffrey Cooper
Laboratory Manager



July 12, 2017

Spectra Laboratories Kitsap *WP*
26276 Twelve Tree Lane
Poulsbo, WA 98370

Sample Matrix: Water
EPA Method: 624/ 8260C
Spectra Project: 201707066
Date Analyzed: 7/6/2017
Units: ug/L
Applies to Spectra #'s: #1

GCMS VOLATILE ORGANIC ANALYSIS Laboratory Control Sample (LCS) Results

COMPOUND	SAMPLE RESULT	SPIKE AMOUNT	SPIKE RESULT	LCS %REC
1,1-Dichloroethene	<1	10.0	11.9	119
Benzene	<1	10.0	10.2	102
Trichloroethene	<1	10.0	10.6	106
Toluene	<1	10.0	10.6	106
Chlorobenzene	<1	10.0	9.63	96.3

Surrogate Recoveries (%)	LCS
Dibromofluoromethane	111
1,2-Dichloroethane-d4	109
Toluene-d8	94
4-Bromofluorobenzene	95


Jeffrey Cooper
Laboratory Manager

NAVAL UNDERSEA WARFARE CENTER, DIVISION KEYPORT
 610 Dowell Street, Keyport, WA 98345
 CODE 1023 CHEMISTRY TEST REPORT

Lab Number
 C-155-17

Customer's Name Hans Torrance/ Gary Simmons	Code 42/1023	Phone 6-1022, 5-8571	Date Submitted 7-6-17	Analyst(s) EK
NWA Number 100001218120/0010	Weapon/Program Discharge Permit		Sample ID Number 514-7186-1	
Sample Name Otto Fuel Separator Effluent	Date Sampled 7-5-17	Date Tested 7-12-17		
Location Bldg. 514	Sample Point Final Column	Lab Notebook Number 17C-80.46		

Background and Description of Service(s) Requested

Total Cyanide analysis per WDOE Permit No. 7353.

Test Result(s)

¹Total Cyanide, mg/L: <0.2

¹ Per Standard Methods, Method 4500-CN⁻ D.

Unused Sample Returned

Yes No N/A

ORAL RESULTS

Reported To:
Date:

Jimi Guthrie

Reviewed by
Date: 7-12-17

[Signature]

Analyst
Phone: (360) 315-3173

7-12-17
Date

NAVAL UNDERSEA WARFARE CENTER, DIVISION KEYPORT
 610 Dowell Street, Keyport, WA 98345
 CODE 1023 CHEMISTRY TEST REPORT

Lab Number
 C-156-17

Customer's Name Hans Torrance/ Gary Simmons	Code 42/1023	Phone 6-1022, 5-8571	Date Submitted 7-6-17	Analyst(s) EK
NWA Number 100001218120/0010	Weapon/Program Discharge Permit		Sample ID Number 514-7186-2	
Sample Name Otto Fuel Separator Effluent	Date Sampled 7-5-17	Date Tested 7-10-17		
Location Bldg. 514	Sample Point Final Column	Lab Notebook Number 17C-80.45		

Background and Description of Service(s) Requested

Total Suspended Solids (TSS) per WDOE Permit No. 7353.

Test Result(s)

¹TSS, mg/L: 2

¹ Per Standard Methods, Method 2540D.

Unused Sample Returned

Yes No N/A

ORAL RESULTS

Reported To:
Date:

Jimi Guthrie

Reviewed by
Date: 7-11-17

[Signature]

Analyst
Ph.No. (360) 315-3173

7/10/17
Date

NAVAL UNDERSEA WARFARE CENTER, DIVISION KEYPORT
 610 Dowell Street, Keyport, WA 98345
 CODE 1023 CHEMISTRY TEST REPORT

Lab Number
 C-157-17

Customer's Name Hans Torrance/ Gary Simmons	Code 42/1023	Phone 6-1022, 5-8571	Date Submitted 7-6-17	Analyst(s) JG
NWA Number 100001218120/0010	Weapon/Program Discharge Permit		Sample ID Number 514-7186-4A & -4B	
Sample Name Otto Fuel Separator Effluent	Date Sampled 7-5-17		Date Tested 7-7-17	
Location Bldg. 514	Sample Point See below		Lab Notebook Number 17C-81.23	

Background and Description of Service(s) Requested

Analyze samples for Otto Fuel II (as PGDN) content.

Test Result(s)

<u>Sample Name</u>	<u>Sample ID No.</u>	<u>Number Gallons</u>	<u>¹PGDN, mg/L</u>
Lead Column	514-7186-4A	23575	<0.05
Final Column	514-7186-4B	2133	<0.05

¹ By gas chromatography (GC-ECD).

Unused Sample Returned
 Yes No N/A

ORAL RESULTS

Reported To:
 Date:



Reviewed by
 Date: 7-10-17

Jimi Guthrie
 7-7-17

Analyst Date
 Phone: (360) 396-2500

SECTION J. CERTIFICATIONS

1. Approval by Publicly-Owned Treatment Works [required by WAC 173-216-070(4)(b)]

I approve of the discharge as described in this application. The applicant is:

(Please check the appropriate box below.)

- A Significant Industrial User (see Definitions at the end of this Section)
- A Categorical Industrial User
- Neither of the above

Name and location of sewer system to which this project will be tributary:

CENTRAL KITSAP WASTEWATER TREATMENT PLANT
12351 BROWNSVILLE HWY NE
POULSBO, WA 98370

Treatment Works Owner: KITSAP COUNTY PUBLIC WORKS

Street: 614 DIVISION ST MS-27

City/State: PORT ORCHARD, WA Zip: 98366

Stella Vakarc 3/22/2021 Division Manager - Sewer Utility
Signature of Treatment Works Authority Date Title

Stella Vakarc
Printed Name

2. Application review by Intermediate Sewer Owner at point of discharge (if applicable)

I hereby acknowledge that I have reviewed the application for discharge to this sewer system.

Name and location of sewer system to which this project will be tributary:

Sewer System Owner: _____

Street: _____

City/State: _____ Zip: _____

Signature of Sewer System Authority Date Title

Printed Name