



First Revision of Sheet No.23,  
Canceling Original Sheet No. 23  
WN U-3

Olympic Water and Sewer, Inc.

For Commission's Receipt Stamp

**Monthly Charge**

**Rate**

Each connection or customer  
\$3.50

**(R)**

Issued: March 18, 2022

Effective: April 19, 2022

Issued by (Water Utility Name): Olympic Water and Sewer, Inc.

By: Greg Rae --

Title: Vice President

Acctg	Vendor Name	Date	App	Description	Inv ID	PO?	Units	Amount
<u>1-500-086</u>	<u>Water Chlorination - OWSI</u>			<u>Plan No:</u>				
1-01-01-40	Professional Fees							
O	HDR, INC.	10-09-19	AP	OWSI WATER CHLORINATION	1200214671	N		34,016.42
O	HDR, INC.	12-11-19	AP	OWSI CHLORINATION	1200231870	N		44,181.09
O	DEPARTMENT OF HEALTH	03-11-20	AP	OWSI CHLORINATION REVIEW	SW2790	N		4,408.00
O	HDR, INC.	05-13-20	AP	OWSI CHLORINATION	1200264433	N		8,589.73
O	HDR, INC.	05-26-20	AP	1-500-086 May chlorination prj	1200269971	N		24,389.00
O		03-01-20	JC	HDR, OWSI chlor proj		N		87,489.36
O		03-01-20	JC	HDR, OWSI chlor proj		N		16,106.85
O		05-31-20	JC	Rel fr 1-500-096 to 1-500-086		N		8,589.73
O		12-31-20	JC	Corr Sub Cat Entry to Zero		N		6,589.73-
O		12-31-20	JC	Corr Sub Cat to Zero		N		2,000.00-
				Category Total			.00*	219,180.45*
S	HDR, INC.	05-06-19	AP	OWSI CHLORINATION	1200169019	N		8,778.44
S	HDR, INC.	05-06-19	AP	(Rev)OWSI CHLORINATION	1200169019	N		8,778.44-
S	HDR, INC.	05-09-19	AP	OWSI CHLORINATION PROJECT	1200189019	N		8,778.44
S	JEFFERSON COUNTY DCD	05-10-19	AP	OWSI CHLORINATION RESEARCH	19-0005	N		188.00
S	HDR, INC.	06-07-19	AP	OWSI CHLORINATION	1200195727	N		15,453.19
S	HDR, INC.	08-02-19	AP	(Rev)OWSI CHLORINATION	1200195727	N		15,453.19-
S	HDR, INC.	08-28-19	AP	ENGINEERING WATER CHLORINATION	1200211533	N		20,102.42
S	HDR, INC.	09-19-19	AP	OWSI CHLORINATION	1200214671	N		34,016.42
S	HDR, INC.	10-09-19	AP	(Rev)OWSI CHLORINATION	1200214671	N		34,016.42-
S	HDR, INC.	11-11-19	AP	OWSI CHLORINATION	1200228571	N		28,890.43
S	HDR, INC.	01-14-20	AP	OWSI CHLORINATION	1200240593	N		59,942.65
S	HDR, INC.	11-09-20	AP	OWSI CHLORINATION	1200306157	N		5,667.48
S	HDR, INC.	12-08-20	AP	OWSI CHLORINATION	1200312299	N		4,072.79
S	HDR, INC.	12-30-20	AP	OWSI CHLORINATION	1200319472	N		5,550.28
S	HDR, INC.	02-15-21	AP	OWSI CHLORINATION PROJECT	1200326613	N		7,044.58
S	HDR, INC.	03-18-21	AP	OWSI CHLORINATION	1200332338	N		3,650.16
S	HDR, INC.	04-20-21	AP	OWSI CHLORINATION PROJECT	1200339765	N		2,449.51
S	HDR, INC.	05-18-21	AP	OWSI CHLORINATION PROJECT	1200345970	N		1,150.04
S	HDR, INC.	06-08-21	AP	OWSI CHLORINATION	1200353245	N		917.91
S	HDR, INC.	07-27-21	AP	OWSI CHLORINATION	1200359413	N		801.17
S	HDR, INC.	08-18-21	AP	OWSI CHLORINATION	1200366285	N		4,695.67
S	HDR, INC.	09-16-21	AP	OWSI CHLORINATION	1200374115	N		6,253.54
S	HDR, INC.	10-19-21	AP	OWSI CHLORINATION	1200379466	N		2,027.71
S	HDR, INC.	11-10-21	AP	OWSI CHLORINATION	1200387991	N		4,046.45
S	HDR, INC.	12-17-21	AP	OWSI CHLORINATION	1200392146	N		5,555.17
S	HDR, INC.	01-24-22	AP	OWSI CHLORINATION	1200403417	N		3,382.62
S		09-15-20	JC	Corr Entry Rel to 1-500-096		N		8,589.73-
S		12-31-20	JC	Corr Sub Cat Entry to Zero		N		6,589.73
S		12-31-20	JC	Corr Sub Cat to Zero		N		2,000.00
				Category Total			.00*	175,169.02*
				Extra Totals			.00*	394,349.47*
1-02-10-05	Site permits & applic. fees							
O	HDR, INC.	10-16-19	AP	OWSI WATER CHLORINATION	1200222909	N		25,690.77
O	HDR, INC.	01-08-20	AP	(Rev)OWSI WATER CHLORINATION	1200222909	N		25,690.77-
				Category Total			.00*	.00*
1-02-10-10	Building Permits							
O		03-01-20	JC	DCD, OWSI chlor proj		N		3,348.07
O		03-04-20	JC	DCU, OWSI chlor proj		N		586.70
				Category Total			.00*	3,934.77*
1-04-08-01	Engineering							
S	HAYLOR NETWORKING, INC	06-18-19	AP	WELL 16 MACHINE RENT	2363	N		299.75
2-01-01-30	Engineering							
S	HDR, INC.	09-21-20	AP	OWSI CHLORINATION	1200285961	N		4,419.43
S	HDR, INC.	10-27-20	AP	OWSI CHLORINATION	1200296653	N		4,831.85
				Category Total			.00*	9,251.28*
3-01-12-04	Site Work							
S	JMG CONSTRUCTORS LLC	12-08-20	AP	OWSI FILTRATION PROJECT	G702	N		47,528.00
S	JMG CONSTRUCTORS LLC	12-15-20	AP	OWSI FILTRATION PROJECT	G702-2	N		43,989.78
S	JMG CONSTRUCTORS LLC	02-09-21	AP	OWSI CHLORINATION PROJECT	G702-03	N		93,600.00
S	JMG CONSTRUCTORS LLC	03-18-21	AP	OWSI CHLORINATION	G702-MAR	N		451,869.60
S	JMG CONSTRUCTORS LLC	04-20-21	AP	OWSI CHLORINATION PROJECT	G702-APR	N		107,158.99
S	JMG CONSTRUCTORS LLC	05-18-21	AP	OWSI CHLORINATION PROJECT	G702-MAY	N		231,815.69
S	JMG CONSTRUCTORS LLC	06-08-21	AP	OWSI CHLORINATION	117	N		173,469.00
S	JMG CONSTRUCTORS LLC	07-27-21	AP	OWSI CHLORINATION	117-JULY	N		146,175.45
S	JMG CONSTRUCTORS LLC	08-19-21	AP	OWSI CHLORINATION	G702-AUG	N		66,261.89
S	JMG CONSTRUCTORS LLC	12-20-21	AP	OWSI CHLORINATION PROJECT	10	N		16,365.00
S	JMG CONSTRUCTORS LLC	12-26-21	AP	OWSI CHLORINATION PROJECT	11	N		10,911.24

Acctg Cat	Vendor Name	Date	App	Description	Inv ID	PO?	Units	Amount
<u>1-500-086 Water Chlorination - DWSI</u>				<u>Plan No:</u>				
3-01-12-04	Site Work							
S	JMG CONSTRUCTORS LLC	12-31-21	AP	OWSI CHLORINATION	12	N		30,624.39
Category Total							.00*	1,419,769.02*
3-01-12-05 Soil Testing								
O		03-01-20	JC	Spectra, OWSI chlor proj		N		207.00
Job Total							.00*	1,827,811.29*

Cat	Acctg Vendor Name	Date	App	Description	Inv ID	PO?	Units	Amount
<b>1-500-096 Water Chlorination CIAC</b>								
<b>1-01-01-40 Professional Fees</b>								
<b>Plan No:</b>								
O	HDR, INC.	02-25-20	AP	OWSI CHLORINATION PROJECT	1200249532	N		87,489.36
O	HDR, INC.	03-01-20	AP	OWSI CHLORINATION	1200253701	N		16,106.85
O	HDR, INC.	05-13-20	AP	OWSI CHLORINATION	1200264433	N		8,589.73
O	HDR, INC.	05-13-20	AP	{Rev}OWSI CHLORINATION	1200264433	N		8,589.73-
O		10-09-19	JC	HDR Inv#1200202399		N		8,996.97
O		03-01-20	JC	{REV} HDR, OWSI chlor proj		N		87,489.36-
O		03-01-20	JC	{REV} HDR, OWSI chlor proj		N		16,106.85-
O		05-31-20	JC	Rcl fr 1-500-096 to 1-500-086		N		8,589.73-
O		12-31-20	JC	Corr Entry To Sub Category		N		8,589.73
<b>Category Total</b>							<b>.00*</b>	<b>8,996.97*</b>
S	HDR, INC.	09-25-19	AP	OWSI WATER CHLORINATION	1200202399	N		8,996.97
S	HDR, INC.	10-09-19	AP	{Rev}OWSI WATER CHLORINATION	1200202399	N		8,996.97-
S		08-06-19	JC	HDR 1-500-096 Invoice		N		15,453.19
S		04-15-20	JC	HDR Engineering 1-500-096 CIAC		N		3,625.67
S		08-05-20	JC	HDR Prof Services		N		650.15
S		09-15-20	JC	Corr Entry Rcl to 1-500-096		N		8,589.73
S		09-15-20	JC	Builders Exchange CIAC		N		291.00
S		12-31-20	JC	Corr Entry To Sub Category		N		8,589.73-
<b>Category Total</b>							<b>.00*</b>	<b>20,020.01*</b>
<b>Extra Totals</b>							<b>.00*</b>	<b>29,016.98*</b>
<b>1-02-10-05 Site permits &amp; applic. fees</b>								
O		09-30-19	JC	Jefferson Cty DCD Check		N		53.40
O		09-30-19	JC	Jeff Cty DCD Pre-Application		N		564.00
O		10-15-19	JC	JEFF Cty DCD Payment		N		2,735.25
O		11-30-19	JC	BHC Consultants Services		N		2,270.56
O		01-07-20	JC	Notice to public of intent		N		128.00
<b>Category Total</b>							<b>.00*</b>	<b>5,751.21*</b>
S		12-31-19	JC	HDR Prof services OWSI CIAC		N		25,690.77
<b>1-02-10-10 Building Permits</b>								
O	JEFFERSON COUNTY DCD	02-12-20	AP	PERMIT FEE	021220	N		3,348.07
O	JEFFERSON COUNTY DCD	03-04-20	AP	PERMIT # BLD20-00097	2020BLD20-00097	N		586.70
O		03-01-20	JC	{REV} DCD, OWSI chlor proj		N		3,348.07-
O		03-04-20	JC	{REV} DCD, OWSI chlor proj		N		586.70-
O		05-07-21	JC	DCD Prnt#BLD2020-00097 payment		N		305.55
<b>Category Total</b>							<b>.00*</b>	<b>305.55*</b>
<b>2-01-01-30 Engineering</b>								
S	HDR, INC.	08-17-20	AP	OWSI CHLORINATION	1200285961	N		4,419.53
S	HDR, INC.	09-18-20	AP	{Rev}OWSI CHLORINATION	1200285961	N		4,419.53-
S		09-15-20	JC	HDR Filtration & Chlor Fac		N		3,827.35
<b>Category Total</b>							<b>.00*</b>	<b>3,827.35*</b>
<b>2-02-08-01 Engineering</b>								
S	SPECTRA LABORATORIES-KITSAP	09-26-19	AP	OWSI SAMPLE TESTS	19-07181	N		207.00
S		12-31-20	JC	Corr Entry To Sub Category		N		207.00-
<b>Category Total</b>							<b>.00*</b>	<b>.00*</b>
<b>3-01-11-30 Engineering</b>								
O		03-06-20	JC	BHC Consultants 1-500-096		N		2,317.24
<b>3-01-11-60 Testing &amp; Inspection Fees</b>								
O		06-01-20	JC	NW Water Treatment 1-500-096		N		7,390.20
O		06-15-20	JC	AM Test, Inc 1-500-096 CIAC		N		3,975.00
O		08-04-20	JC	Gravel Well 2		N		1,784.55
O		08-05-20	JC	Olympic Equip Green Sand		N		239.80
O		08-05-20	JC	NWT, Inc Testing		N		7,390.20
<b>Category Total</b>							<b>.00*</b>	<b>20,779.75*</b>
<b>3-01-12-05 Soil Testing</b>								
O		07-31-19	JC	Payment to Spectra Lab		N		437.00
O		03-01-20	JC	{REV} Spectra, OWSI chlor proj		N		207.00-
O		12-31-20	JC	Corr Entry To Sub Category		N		207.00
<b>Category Total</b>							<b>.00*</b>	<b>437.00*</b>

Cat	Acctg Vendor Name	Date	App	Description	Inv ID	PO?	Units	Amount
<u>1-500-096 Water Chlorination CIAC</u>		<u>Plan No:</u>						
3-03-34-00	Concrete Testing & Inspections							
O		04-17-21	JC	Void#2023 DCD-amount wrong		N		876.63-
S	KRAZAN & ASSOCIATES INC	02-18-21	AP	OWSI CONST TEST & INSPECT	J602234-28183	N		741.00
S		04-14-21	JC	Krazan&Associates Testings&Insp		N		1,306.00
S		04-14-21	JC	DCD Permit# BLD2020-00097		N		876.63
S		05-07-21	JC	Krazan Inspect-paid w ck#2025		N		656.50
				Category Total			.00*	3,560.13*
3-03-36-10	Plumbing Materials							
H		09-30-21	JC	Cascade Col-Potas & Sodium		N		1,282.47
M		09-30-21	JC	Core & Main PVC & Parts		N		349.42
M		09-30-21	JC	Home Depot Plumbing Parts		N		172.22
H		09-30-21	JC	Home Depot Plumbing Parts		N		70.73
M		10-08-21	JC	TNG inv#47222,46952,46942		N		44,975.39
H		10-08-21	JC	Casade Distr Inv#818832,511706		N		747.47
H		09-30-21	JC	CR 1-500-096 Wrong Amount		N		70.73-
				Category Total			.00*	47,526.97*
O		12-31-21	JC	CK#2033 J White/Hach Co		N		1,640.77
3-03-37-10	Electrical Materials							
H		09-30-21	JC	Front Eng - Pressure Switch		N		566.15
O		09-02-20	JC	Backwash Sequencer for Well 2		N		2,310.88
O		12-31-21	JC	CK#2034 USA Blue Book		N		1,447.75
				Category Total			.00*	3,758.63*
3-05-55-10	Std Appliances							
M		09-30-21	JC	USA Bluebook - Colorimeter		N		1,904.05
3-06-66-05	Misc Expense							
I		08-05-20	JC	Derek Franson Hydrovac Rental		N		730.30
3-06-66-10	Contractor Fee							
S		04-14-21	JC	Grainger-Eye wash station		N		3,448.51
3-30-67-40	Installation Costs							
M		08-05-20	JC	Correct Equipment		N		27,682.18
				Job Total			.00*	178,086.91*

Per the annual financial statement for Water Surcharge

2019	\$	70,600	
2020	\$	100,661	
2021	\$	102,621	
2022	\$	4,065	Through 2/28/22
2022			Starting 3/1/22
2023			
2024			
2025			
2026			
2027			
2028			
2029			
2030			
2031			
2032			
2033			
2034			
2035			
2036			
2037			
2038			

\$ 277,947

Left to Collect \$ 1,289,762

**OWSI Capital Improvement Surcharge Worksheet**

<b>Amount To Be Recovered</b>			
Project Costs			\$ 2,005,898.00
<b>Total Customer @ 70% Project Costs</b>			<b>\$ 1,404,128.60</b>
<b>Calculation of Surcharge</b>			
Total Customer Project Cost			\$ 1,404,128.60
Annual Loan Interest 1.0%			\$ 140,412.86
1.50% B&O Tax			\$ 23,168.12
<b>Total</b>			<b>\$ 1,567,709.58</b>
Less Surcharge paid through 2/28/22			\$ (277,947.16)
<b>Total</b>			<b>\$ 1,289,762.42</b>
# of Customers			1,735
Dollars per Customer Total per year			<b>\$ 743.38</b>
Surcharge Per Month	Remaining 205 months =		\$ 3.63
Surcharge Per Billing	Bimonthly amount		\$ 7.25
<b>Duration of Surcharge</b>			
Effective Date	6/20/2019		
Duration in Years	20	System Wide	
Ending Date	6/20/2038	Annual Customer Payments	\$ 72,870.00
<b>Payments per Customer</b>			
	Per Billing ( Two Month)	\$	7.00 Rounded



STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
SOUTHWEST DRINKING WATER OPERATIONS  
P.O. Box 47823 Olympia, Washington 98504-7823  
PHONE (360) 236-3030 FAX (360) 236-3029

November 8, 2021

Greg Rae  
Olympic Water & Sewer, Inc.  
70 Breaker Lane  
Port Ludlow, Washington 98365

Subject: Olympic Water & Sewer, Inc. Water System, ID #68700, Jefferson County; New Filtration and Chlorination Facilities, ODW Project #20-0205, **APPROVAL**

Dear Greg Rae:

This letter acknowledges receipt of the Construction Completion Report (CCR) for the installation of this project signed by your engineer, Pierre Kwan, on October 28, 2021. The CCR indicates this project has been completed according to plans and specifications approved by the Southwest Drinking Water Regional Operations on July 31, 2021.

The approved scope of work includes:

- Construction of a groundwater filtration plant using injection of sodium hypochlorite, ferric chloride, and potassium permanganate with pyrolusite filters for the purpose of iron, manganese, and arsenic removal. This treatment plant will have a capacity to treat 620 gpm and will treat water from wells 14 (S06, tag #AAB867) and 16 (S08, tag #ALN492) in Service Zone B. Finished water will maintain a free chlorine residual of at least 0.2 mg/L in distribution piping for the purpose of voluntary secondary disinfection.
- Installation of hypochlorination facilities for wells 2 (S01, tag #AAB865), 3 (S02, tag #AAB866), and 4N (S04, tag #AAB897) in Service Zone A. Finished water will maintain a free chlorine residual of at least 0.2 mg/L in distribution piping for the purpose of voluntary secondary disinfection.

#### **APPROVED SYSTEM CAPACITY**

The water system capacity was not evaluated as part of this project. The system remains approved to serve an unspecified number of connections. It is your responsibility to ensure that physical capacity and water rights are not exceeded.

#### **CHLORINATION TREATMENT**

Disinfection treatment is installed to provide a preventative measure to increase public health protection. Based on the information provided in this project report, the system will maintain a target chlorine residual of at least 0.2 mg/L in all parts of the distribution system. Please note, future changes in the rules may become more stringent or changes in the water system's source water quality may require modifications to the treatment facility.

As long as disinfection treatment is provided, this system is required to:

- Maintain a detectable residual disinfectant concentration (0.2 mg/L) in all active parts of the distribution system.
- Measure and record on ODW forms (examples enclosed) residual levels daily at representative sites in the distribution system.

Submit the chlorination report forms to ODW on a monthly basis, by the 10th of each month. Your reports should be submitted by e-mail to [sw.treatment.reports@doh.wa.gov](mailto:sw.treatment.reports@doh.wa.gov).

### **TREATMENT PLANT RATING AND OPERATOR REQUIREMENTS**

A treatment plant rating form has been completed to determine the level of certified operator required to operate your plant. The treatment rating score is 28 points, which categorizes the plant as a Class I treatment plant (see enclosed treatment rating form). To meet the treatment operations requirement, a WTPO 1 certified operator is needed for your system.

### **WATER QUALITY MONITORING REQUIREMENTS**

The water quality monitoring requirements for operating and maintaining the treatment plant are summarized in the following table. The requirements include monitoring the treated (finished) water quality and disinfection byproduct monitoring.

<b>MONITORING CATEGORY</b>	<b>MONITORING REQUIREMENT</b>	<b>LOCATION</b>	<b>FREQUENCY</b>
Treated (finished) water	arsenic	After treatment	Monthly

### **FINISHED WATER QUALITY**

In accordance with WAC 246-290-310, the system is required to **collect finished drinking water samples, at a point directly downstream of the treatment plant, prior to the first consumer, on a monthly basis.** Finished drinking water samples from treatment plants utilized for removal of contaminants with established secondary maximum contaminant levels (MCLs) shall be submitted to a certified laboratory for analysis or analyzed for the specific contaminant(s) of concern by the purveyor through department-approved on-site methods.

### **DISINFECTION BYPRODUCT MONITORING**

Disinfection byproducts (DBP) monitoring is required when chlorination treatment is provided, as specified in the Stage 2 Disinfectants and Disinfection Byproducts (D/DBP) rule. This system is required to begin DBP monitoring after construction is complete and the disinfection treatment is operating. Please refer to your Water Quality Monitoring Schedule for the number and frequency of DBP monitoring.

To document the number of samples, the monitoring frequency, and the monitoring locations for your specific system, you need to complete a Stage 2 DBP monitoring plan that can be downloaded from our website under Forms. Please return your completed form to Regina Grimm by e-mail at [regina.grimm@doh.wa.gov](mailto:regina.grimm@doh.wa.gov).

## LEAD AND COPPER MONITORING

The project report adequately addresses the impacts of the change on the corrosivity of the water. The proposed change in treatment is not reasonably expected to increase the corrosivity of the water. This project does not change the lead and copper tap sampling or water quality parameter monitoring frequency for this water system.

*The department's final approval of this project does not confer or guarantee any right to a specific quantity of water. The approved number of service connections is based on your representation of available water quantity. If the Washington State Department of Ecology, a local planning agency, or other authority responsible for determining water rights and water system adequacy determines that you have use of less water than you represented, the number of approved connections may be reduced commensurate with the actual amount of water and your legal right to use it.*

If you have any questions, please contact me at (360) 236-3018 or by e-mail at [rscott.pollock@doh.wa.gov](mailto:rscott.pollock@doh.wa.gov).

Sincerely,

*R Scott Pollock*  
R. Scott Pollock, P.E.  
Office of Drinking Water, Regional Engineer

cc: Pierre Kwan, HDR Engineering, Inc.  
Jefferson County Public Health