

# Electronic Signature Agreement Form

**ESAF**

## Washington State Department of Ecology Water Quality Program

Headquarters: (360) 407-7097  
Web site: [www.ecy.wa.gov/programs/wq](http://www.ecy.wa.gov/programs/wq)

For Ecology Use Only		Date Received:	
Form	Reviewed	Entered	Verified
ESAF			

### 1. Site Location Information

If you are applying for multiple facilities/permits, please include a list containing the site location information and permit numbers for all requested facilities/permits.

Site/Facility Name: Brightwater Treatment Plant  
Site Location Address: 22505 SR 9 SE  
City/State/Zip: Woodinville WA, 98072  
Permit Number: WA0032247

### 2. Electronic Signer Contact Information

Role: ☒ Facility Signer ☐ Facility Coordinator

Signature Account User Name: \_\_\_\_\_  
Full Name: Matthew Nolan  
Work Mailing Address: 22505 SR 9 SE  
City/State/Zip: Woodinville WA, 98072  
Work Phone No. (Ext): (206) 263-9483  
Work Email Address: matthew.nolan@kingcounty.gov

### 3. Proof of Identity

Please include a copy of one of the following documents, with your name on the document, with your ESAF to prove your association with the facility-(ies).

- Your permit's letter of coverage
- Your permit's cover sheet
- A previously submitted DMR
- A correspondence from Ecology that has both the facility name and permit number on the same page
- Signature authority delegation letter signed by the permittee (responsible official).

### 4. Electronic Signature Agreement and Certification Statement

By completing and submitting this form to Ecology, I agree to follow the rules and procedures governing the Electronic Signature account. I also agree that the reports and documents I submit under my Electronic Signature will be used as the corresponding paper report would. I want to submit the following report(s) or document(s) using WQWebPortal with an electronic signature.

☒ Discharge Monitoring Reports/Submittals ☐ Notice of Intent (Permit Applications) ☐ Certificate of No Exposure

### 5. Clean Water Act Certification Statement

All submittals to the Department of Ecology under this WQWebPortal application are subject to the following certification, as required by federal and state regulations:

*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. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete and I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

**6. Certification Statement**

<b>I agree that I will:</b> <ul style="list-style-type: none"><li>• Protect my Electronic Signature account, which includes my answers to the verification questions and my password;</li><li>• Review the content and meaning of my submitted Annual Reports and Notifications;</li><li>• Within 24 hours of discovery, report to Ecology if:<ul style="list-style-type: none"><li>○ My Electronic Signature account is lost, stolen or used by someone else;</li><li>○ There is any difference between the information I submitted and the information displayed in WebDMR;</li><li>○ My role as a signer for this organization changes.</li></ul></li></ul> Agree: <u>MN</u> <u>MN</u> (initial here)	<b>I agree that I will not:</b> <ul style="list-style-type: none"><li>• Let anyone else use my Electronic Signature account.</li></ul> Agree: <u>MN</u> <u>MN</u> (initial here)
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I, Matthew Nolan (print Electronic Signer's name), understand that:

1. My electronic signature is legally the same as my handwritten signature for the purpose of compliance with the relevant environmental regulations;
2. A failure to timely notify Ecology of a possible misuse of my Electronic Signature account may result in my liability for the information submitted;
3. There are significant penalties for submitting false information, including possible fines and imprisonment, related to the federal Department of Justice and federal environmental program;
4. I will be asked to verify that I am following the rules outlined in this agreement when I electronically submit documents.

**7. Signature of Electronic Signer**

This form cannot be processed without a handwritten signature.

Matthew Nolan  
Electronic Signer's Signature

10/26/2017

Date

Matthew Nolan

Assistant Manager

Name (print or type)

Title

**8. Signature of Permittee (Responsible Official)**

This form cannot be processed without a handwritten signature.

I, Robert Waddle (insert name of permittee or responsible official) acknowledge that the individual named above works at/for Brightwater Treatment Plant (insert site/facility name) and is authorized to submit documents on the site's/facility's behalf. I understand that I will be contacted by Ecology to validate the account holder's employment at the site/facility name listed above.

Robert Waddle  
Signature

10/26/2017

Date

Robert Waddle

Division Operations Manager

Name (print or type)

Title

**Note:** You may skip this section if the responsible official has written, signed, and attached a delegation letter to this form or if the responsible official completes this form.

If you need this document in a version for the visually impaired call the Water Quality Program at 360-407-6401. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.

# WASTEWATER TREATMENT PLANT MONITORING REPORT

Permit No. **WA0032247** Discharge No. **001** Month: **September, 2017**  
 Facility Name: **King County Brightwater Treatment Plant** Location: **22505 SR 9 SE, Woodinville 98072**  
 Receiving Water: **Puget Sound**  
 Plant Type: **Membrane Bioreactor** NO DISCHARGE ☐

Frequency	INFLUENT					EFFLUENT											
	CONT	DAILY	DAILY	DAILY	DAILY	CONT	CONT	CONT	DAILY	DAILY	1/MON	DAILY	DAILY	1/MON	DAILY	CONT	DAILY
Type	MEAS	24HC	CALC	24HC	CALC	MEAS	MEAS	MEAS	24HC	CALC	CALC	24HC	CALC	CALC	GRAB	MEAS	G/CONT
Sample	FLOW	BOD 5-DAY		TSS		FLOW	pH		BOD 5-DAY		TSS				FC	CL2 RES	TEMP
Day of the Month	MGD	MG/L	LBS/DAY	MG/L	LBS/DAY	MGD	pH - min	pH - max	MG/L	LBS/DAY	% REMOVAL	MG/L	LBS/DAY	% REMOVAL	#100 ML	MG/L	DEG. F
01	12.9	298	31,996	216	23,194	12.0	6.9	7.0	1.1	107		<2.0	<201		0.0	0.05	73.8
02	12.4	354	36,680	310	32,100	11.2	6.9	6.9	1.1	99		<2.0	<186		0.0	0.07	73.9
03	12.6	370	38,814	380	39,824	11.0	6.9	7.1	1.3	110		<2.0	<103		0.0	0.09	74.1
04	12.6	393	41,500	302	31,856	10.3	6.9	7.1	1.3	107		<2.0	<171		0.0	0.09	74.2
05	12.7	388	41,186	370	39,319	11.0	6.9	7.0	1.9	175		<2.0	<183		0.0	0.10	74.5
06	12.9	357	36,431	242	26,078	11.0	6.9	7.1	1.4	129		<2.0	<183		0.0	0.09	74.5
07	14.0	396	46,153	358	41,705	12.6	6.9	7.0	1.2	127		<2.0	<210		0.0	0.10	74.5
08	13.4	470	52,495	436	48,740	11.3	6.9	7.0	1.6	147		<2.0	<189		0.0	0.22	74.5
09	12.8	420	44,820	368	39,053	11.0	6.9	7.2	1.1	101		<2.0	<183		0.0	0.29	74.1
10	12.4	363	37,472	302	31,159	10.2	6.8	7.1	1.2	98		<2.0	<170		0.0	0.28	74.0
11	13.7	374	42,784	252	28,837	11.9	6.9	7.1	1.4	137		<2.0	<198		0.0	0.27	73.8
12	12.5	391	40,808	348	36,325	10.8	6.9	7.0	1.2	108		<2.0	<180		0.0	0.07	74.1
13	13.5	419	47,041	322	36,149	11.3	6.8	7.0	1.5	143		<2.0	<188		0.0	0.08	73.8
14	13.7	357	40,944	248	28,425	12.1	6.8	6.9	1.1	114		<2.0	<202		0.0	0.08	73.5
15	13.3	430	47,578	374	41,366	11.8	6.8	6.9	1.2	122		<2.0	<197		0.0	0.09	73.4
16	12.8	363	38,832	295	31,668	10.9	6.8	7.2	1.3	122		<2.0	<181		0.0	0.28	73.1
17	13.1	331	36,188	314	34,308	11.4	6.8	7.2	1.2	109		<2.0	<189		0.0	0.08	72.9
18	13.3	368	40,987	246	27,369	12.1	6.8	7.0	1.2	122		<2.0	<202		0.0	0.07	73.0
19	13.5	304	34,375	250	28,233	11.9	6.8	7.1	<1.0	<99		<2.0	<198		0.0	0.07	72.7
20	12.7	332	35,163	258	27,340	11.5	6.7	7.0	1.1	103		<2.0	<191		0.0	0.10	72.5
21	6.3	REJ	REJ	REJ	REJ	5.3	6.8	7.0	REJ	REJ		<2.0	<88		0.0	0.07	72.3
22	12.9	334	35,884	228	24,484	11.7	6.9	7.2	<1.0	<97		<2.0	<195		0.0	0.10	72.5
23	11.9	299	29,729	170	18,920	10.3	6.8	7.1	1.1	95		<2.0	<172		0.0	0.11	72.5
24	12.9	317	34,042	246	26,396	11.0	6.7	7.1	1.2	113		<2.0	<184		0.0	0.14	72.7
25	13.0	401	43,491	380	41,168	11.6	6.8	7.0	<1.0	<96		<2.0	<193		0.0	0.15	72.8
26	12.9	328	35,327	300	32,336	10.5	6.8	7.0	1.2	101		<2.0	<174		0.0	0.14	72.8
27	12.8	346	36,843	280	29,821	11.3	6.8	7.0	1.2	109		<2.0	<188		0.0	0.12	72.8
28	12.7	370	39,114	314	33,216	11.6	7.0	7.1	1.3	127		<2.0	<194		0.0	0.12	73.2
29	13.2	358	39,302	332	36,418	12.7	6.9	7.1	1.2	124		<2.0	<212		0.0	0.12	73.1
30	12.6	367	38,637	284	29,877	11.8	6.8	7.0	1.2	115		<2.0	<196		0.0	0.12	72.8
Avg	12.7	368	39,539	301	32,540	11.2			<1.2	<112	99.7%	<2.0	<186	99.4%	GEM	0.13	73.4
Limit	40.9	66,083	61,400	40.9					30	10,233	85	30	10,233	65	200	0.5	
MAX	14.0	470	52,495	436	48,740	12.7	MIN	MAX	AVW	AVW		AVW	AVW		GM7	AVW	MXD
Limit	130					130	6	9	46	15,350		46	15,350		100	0.75	
No. of Exceptions						0	0	0	0	0	0	0	0	0	0	0	

AVG=Average AVW=Highest Weekly Average GEM=Geometric Mean MAX=Maximum MIN=Minimum MXD=Max Daily GM7=highest 7-day Geometric Mean E=Estimated nm=Not Measured  
 REJ=Rejected ns=No Sample

COMMENT AND EXPLANATION OF ANY VIOLATIONS MUST BE ATTACHED ON A SEPARATE SHEET.

Mail to: Department of Ecology, Northwest Regional Office, Water Quality, 3190 160th Ave SE Bellevue, WA 98008

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 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.

Robert Waddle, Operation Manager

Name and Title (Typed or Printed)

Signature

(206) 263-9481

Phone Number

# WASTEWATER TREATMENT PLANT MONITORING REPORT

Permit No. WA0032247	Discharge No. 001	Month: September, 2017
Facility Name King County Brightwater Treatment Plant		Location 22505 SR 9 SE, Woodinville 98072
Receiving Water Puget Sound		
Plant Type Membrane Bioreactor		NO CEPC DISCHARGE <span style="border: 1px solid black; padding: 0 5px;">XXXX</span>

Frequency	EFFLUENT							CEPC								
	1/MON	1/MON	1/MON	1/MON	1/MON	1/MON	1/Event	1/Event	1/Event	1/Event	1/Event	1/Event	1/Event	1/Event	1/Event	1/Event
Type	24HC	CALC	24HC	24HC	24HC	24HC/Grab	M/CALC	MEAS	MEAS	MEAS	MEAS/CALC	24HC/G	CALC	24HC/G	CALC	MEAS
Sample	NH3	NH3	NO2/NO3	TKN	TP	ORTHOP	Vol.	Duration	FLOW	Storm Dur.	Precip.	BOD 5-DAY		TSS		pH
Day of the Month	MG/L	LBS/DAY	MG/L	MG/L	MG/L	MG/L	Gal.	Hours	MGD	Hours	Inches	MG/L	% REMOVAL	MG/L	% REMOVAL	pH
01																
02																
03																
04																
05	<0.1	<9.1	42.2	2.2	5.6	4.6										
06																
07																
08																
09																
10																
11																
12	<0.1	<9.0	43.0	1.4	5.6	5.8										
13																
14																
15																
16																
17																
18																
19	<0.1	<9.9	35.9	1.6	5.2	4.4										
20																
21																
22																
23																
24																
25																
26	<0.1	<8.7	37.7	1.4	5.3	4.8										
27																
28																
29																
30																
	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	MIN
	<0.1	<9.2	39.7	1.6	5.4	4.9										
Limit	MAX	MAX	MAX	MAX	MAX	MAX	TOT	TOT	MXD	TOT	MAX	MAX		MAX		MAX
	<0.1	<9.9	43.0	2.2	5.6	5.8										
Limit	MAX	MAX	MAX	MAX	MAX	MAX	TOT	TOT	MXD	TOT	MAX	MAX		MAX		MAX
No. of Exceptions																

## Explanations:

9/1/2017	Effluent Flow values are from a calculation based on membrane effluent, C3 usage, reclaimed water distributed, and recirculated effluent. The Point Wells flowmeter is not accurate at low flows. At higher flows, the agreement is much better (within 5%).
9/21/2017	All BOD results for Sep 21 were rejected because the batch failed quality control criteria.
9/21/2017	Influent samples for Sep 21 were collected and analyzed for BOD and TSS analyses. TSS results were rejected because the sample result was greater than 800 mg/L, well outside the normal range. The 14 hour plant shutdown on the 21st may have had an impact on the sampling system.

A description of all excursions and violations that occurred during the month is to be provided with the monthly DMR submittal.

**RECEIVED**

NOV 01 2017

DEPARTMENT OF ECOLOGY