

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

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: King County South Treatment Plant
Site Location Address: 1200 Monster Road
City/State/Zip: Renton, WA 98057
Permit Number: See attached **WA0022527**

2. Electronic Signer Contact Information

Role: ☒ Facility Signer ☐ Facility Coordinator

Signature Account User Name: wohlferm
Full Name: Michael Wohlfert
Work Mailing Address: 1200 Monster Road
98057
City/State/Zip: 206-263-1831
Work Phone No. (Ext): mike.wohlfert@kingcounty.gov
Work Email Address:

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.

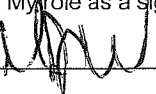
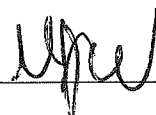
5. Clean Water Act Certification Statement

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.

RECEIVED**MAY 13 2022**

6. Certification Statement

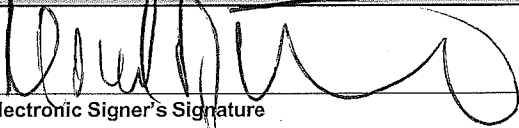
I agree that I will: <ul style="list-style-type: none">• Protect my Electronic Signature account, which includes my answers to the verification questions and my password;• Review the content and meaning of my submitted Annual Reports and Notifications;• Within 24 hours of discovery, report to Ecology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


Electronic Signer's Signature

4/21/2022

Date

Michael Wohlfert

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 King County South 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.


Signature

4/21/2022

Date

Robert Waddle

O&M 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.

9. Assign Administrator**This section cannot be processed without a handwritten signature.**

I, _____ (insert name of permittee or responsible official) acknowledge that _____ (person being assigned) is authorized to be an administrator 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.

Signature_____
Date_____
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, if the responsible official completes this form, or if the responsible official is not assigning a person to the administrator role.

*Due to COVID and limited access to the office, we are accepting scanned Electronic Signature Agreement Forms (ESAF). When it is safe and you are able, please mail the original signed ESAF to Ecology for our official records.

Stormwater Permit Facilities – Industrial and Construction Stormwater

Major Industrial Facilities (NPDES and State Waste Discharge Permits)

Washington Department of Ecology
Water Quality Program Stormwater IT
PO Box 47699
Olympia, WA 98504-7699
360-407-7097
wqwebportal@ecy.wa.gov

Washington Department of Ecology
Solid Waste Management Program
Industrial Section
ATTN: Ewa Kotwicka
PO Box 47600
Olympia, WA 98504-7600
360-407-6945
WQWebDMR-Industrial@ecy.wa.gov

For all other permits, please contact one of the following offices:

Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, and Wahkiakum counties

Washington Department of Ecology
Water Quality Program - SWRO
PO Box 47775
Olympia, WA 98504-7775
360-407-6300
WQWebDMR-SWRO@ecy.wa.gov

Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman counties

Washington Department of Ecology
Water Quality Program - ERO
4601 N Monroe
Spokane, WA 99205-1295
509-329-3400
WQWebDMR-ERO@ecy.wa.gov

Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, and Yakima counties

Washington Department of Ecology
Water Quality Program - CRO
1250 W Alder St
Union Gap, WA 98903-0009
509-575-2490
WQWebDMR-CRO@ecy.wa.gov

Island, King, Kitsap, San Juan, Skagit, Snohomish, and Whatcom counties

Washington Department of Ecology
Water Quality Program - NWRO
ATTN: Chris Smith
PO Box 330316
Shoreline, WA 98133-9716
206-594-0169
WQWebDMR-NWRO@ecy.wa.gov

Site/Facility Name: King County South Treatment Plant
Site Location Address: 1200 Monster Rd. SW
City/State/Zip: Renton, WA 98057
NPDES IP Permit #: WA0029581
Nutrient General Permit#: WAG994573

Site/Facility Name: Metro West Point
Site Location Address: 1400 Discovery Park Blvd.
City/State/Zip: Seattle, WA 98199
NPDES IP Permit #: WA0029181
Nutrient General Permit#: WAG994574

Site/Facility Name: Vashon STP
Site Location Address: 9621 SW 171st
City/State/Zip: Vashon, WA 98070
NPDES IP Permit #: WA0022527
Nutrient General Permit#: WAG994567

Site/Facility Name: Brightwater Wastewater Treatment Plant
Site Location Address: 22505 State Route 9 SE
City/State/Zip: Woodinville, WA 98072
NPDES IP Permit #: WA0032247
Nutrient General Permit#: WAG994572



King County

Wastewater Treatment Division
South Treatment Plant
1200 Monster Road Southwest
Renton, WA 98057

September 4, 2015

Mark Henley
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008-5452

Teri Barclay
Todd Yerkes
Seattle-King County Dept. of Public Health
Environmental Health Division
401 Fifth Avenue, Suite 1100
Seattle, WA 98104

Sanitary Sewer Overflow at King County's Lake Hills Boulevard Siphon: August 30, 2015

Dear Mr. Henley, Ms. Barclay and Mr. Yerkes:

On August 30, 2015, as estimated 30-50 gallons of wastewater overflowed from King County's Lake Hills Boulevard Siphon in Bellevue, WA. The overflow was the result of high wastewater flows from heavy rains and a crack or separation in one of two siphon pipes or barrels (i.e., the north siphon). The overflow stopped as flows subsided when the rains stopped. The siphon barrel with the crack/separation has since been isolated from further operation until repairs can be completed. The overflow was contained in the yard of the residence at 15530 SE 8th Street.

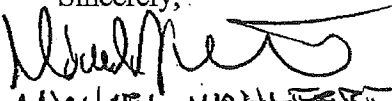
The Lake Hills Boulevard Siphon is located near the intersection of 156th Ave SE and Lake Hills Boulevard, Bellevue, WA. 98007. The structure consists of two 10-inch diameter siphon barrels - or pipes - in this location.

City of Bellevue staff was originally notified of the overflow on August 30, 2015. They subsequently notified King County Wastewater Treatment Division (WTD). WTD staff arrived on the scene later on Aug. 30 to find an overflow coming from the ground at an estimated two gallons per minute. The overflow soon stopped. The overflow site and yard were cleaned that day and the next. No samples were collected. A closed-circuit TV inspection confirmed that the north siphon barrel has a crack or joint separation near the overflow location. The County is working to schedule repairs soon.

If you have any questions about this overflow event, please feel free to contact me.

Mr. Henley, Ms. Barclay and Mr. Yerkes
September 4, 2015
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Sincerely,


MICHAEL WOHLFERT FOR
Robert Waddle, Manager
East Section

cc: Pam Elardo, Director, Wastewater Treatment Division (WTD),
Department of Natural Resources and Parks (DNRP)
Sandy Kilroy, Assistant Division Director, WTD, DNRP
Betsy Cooper, Project/Program Manager, WTD, DNRP,
Monica Van der Vieren, Community Relations, WTD, DNRP
Doug Marsano, Community Relations, WTD, DNRP



King County

Department of Natural Resources and Parks

Wastewater Treatment Division

South Treatment Plant
1200 Monster Road Southwest
Renton, WA 98057

March 29, 2022

Shawn McKone, P.E.
Washington Department of Ecology
NWRO, Water Quality Program
PO Box 330316
Shoreline, WA 98133-9716

Dear Mr. McKone,

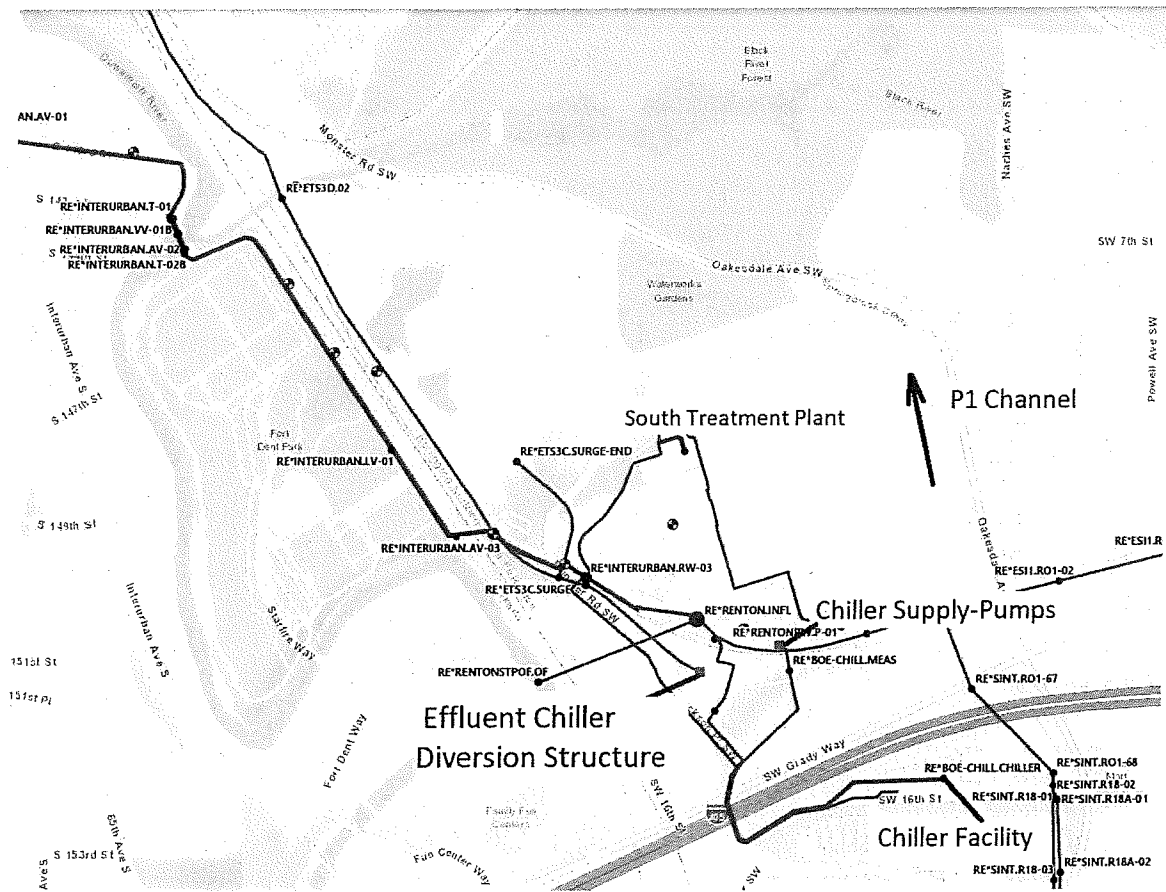
On March 22, 2022, an estimated 55,000 gallons of disinfected final effluent overflowed from King County's South Treatment Plant (South Plant). The overflow began at 11:25 a.m. and ended at 11:46 a.m., a duration of 21 minutes. The overflow was out of the Effluent Chiller Diversion Structure located on the southwest side of South Plant near the intersection of Monster Road Southwest and Longacres Drive Southwest in Renton, Washington. An estimated 49,500 gallons flowed to South Plant via its stormwater detention system and the remaining estimated 5,500 gallons flowed into a City of Renton storm sewer. This incident was reported to the Washington State Department of Ecology and was assigned ERTS number 713658.

The overflow was from a pumped loop that supplies disinfected effluent in a closed loop to a private Chiller Facility (Chiller) located on the former Boeing Longacres site. Unico Longacres Central Systems LLC (Unico) recently acquired the Longacres property, including the Chiller. While assessing their equipment, Unico staff determined there were instrumentation and control-communication problems between their facility and the Chiller-supply pumps at South Plant.

On the morning of March 22, 2022, South Plant staff were helping Unico evaluate the Chiller system. At approximately 11:25 a.m., South Plant staff turned on the Chiller-supply pumps. At approximately 11:35 a.m., South Plant Main Control received a call from a neighbor that water was pouring out of a structure near Monster Road Southwest and Longacres Road Southwest. Staff investigated and confirmed water was discharging out of the Effluent Chiller Diversion Structure and turned off the Chiller-loop supply pumps at 11:46 a.m.

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March 29, 2022
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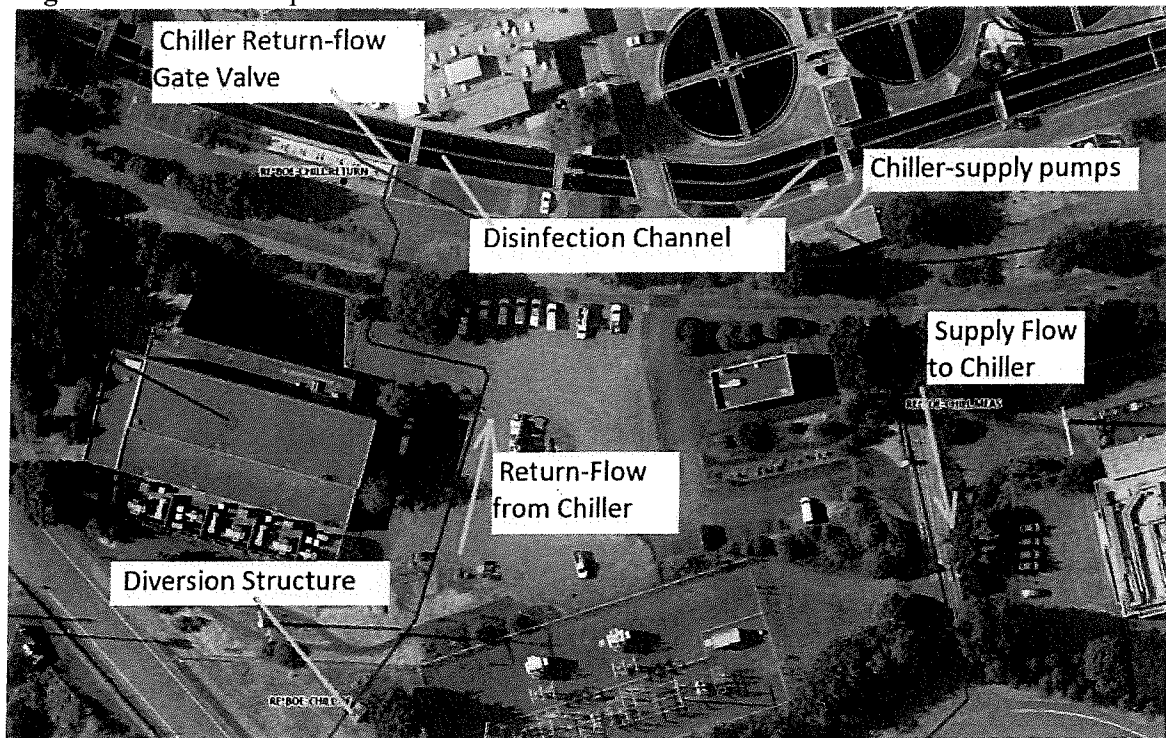
Figure 1. Provides an overview of South Plant and the Longacres Chiller site.



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Figure 2. Provides a closer view of the overflow site and Chiller components at South Plant. Effluent supply to the Chiller Facility is pulled from South Plant's disinfection channel and pumped to the Chiller facility where heat is transferred to the effluent. Effluent return-flow from the Chiller normally discharges back to South Plant's disinfection channel, and from there is pumped to South Plant's Puget Sound Outfall. At the time of the overflow, there was a closed gate valve located at the point Effluent return-flow from the Chiller facility enters the South Plant Disinfection Channel.

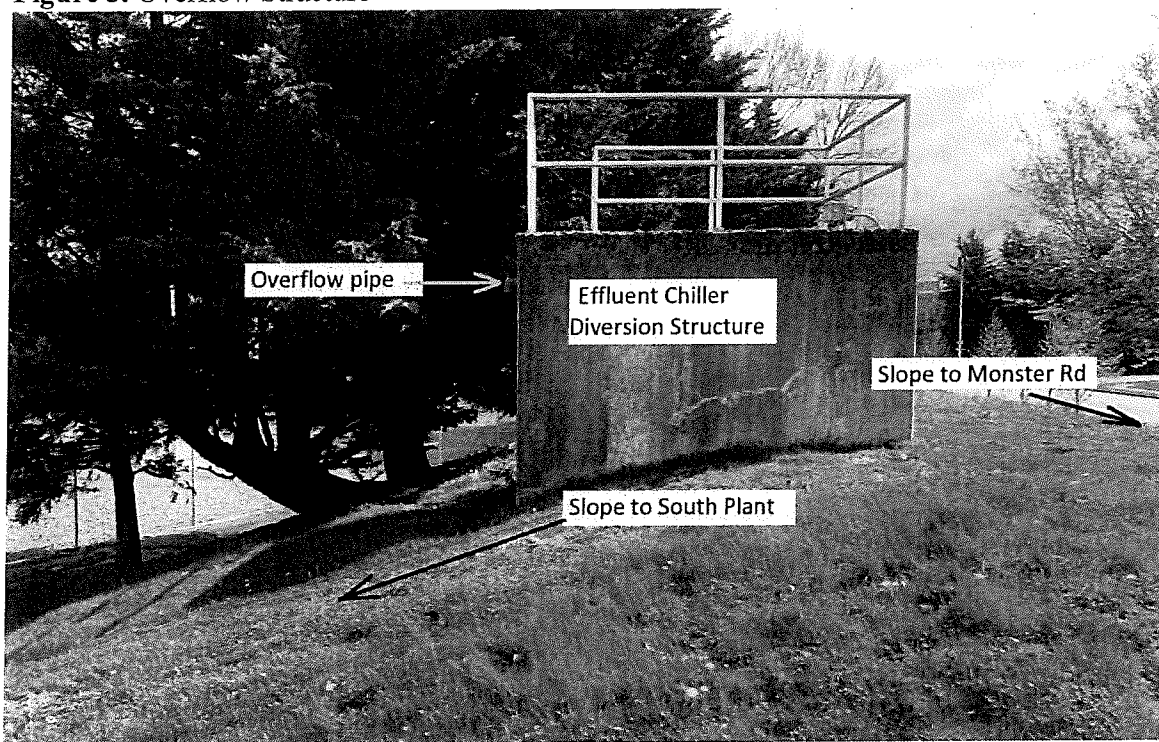
Figure 2. Chiller Components at South Treatment Plant



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Figure 3. shows details of the Effluent Chiller Diversion Structure, a concrete structure located on an earthen berm on the west side of South Plant. On the east side of the Diversion structure, there is a three-inch overflow pipe, and on top of the structure there are two hatches covered by bolted steel plates. Water flowed out of the three-inch overflow pipe and from gaps under the two bolted plates. The landform slopes down toward South Plant on the east and toward Monster Road to the west.

Figure 3. Overflow Structure



It is estimated that 90 percent of the water overflowed into South Plant's stormwater system and was immediately routed to South Plant's influent.

It is estimated that 10 percent of the effluent overflowed into a City of Renton stormwater culvert. City of Renton staff reported that stormwater from the culvert eventually flows to the P1 channel, also known as Springbrook Creek (shown on Figure 1).

No bacterial samples were taken since the overflow consisted of disinfected secondary effluent. Final effluent chlorine residual concentration was 0.7 mg/L at the time of the event. Final Effluent Fecal Coliform results from grab samples taken on March 22 and March 23 were 22- and 9-cfu/100-mL, respectively.

The root cause of this overflow was a closed gate valve at the point where Chiller return flow enters South Plant's disinfection channel; this gate valve is normally left in the open position.

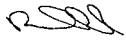
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Operations staff changed stormwater routing to the plant influent as soon as the overflow was identified. Thus, none of the overflow volume was pumped to the stormwater detention ponds. The chiller return-flow gate valve was also opened after the event and locked into the "open" position.

In the future, standard operating procedures for startup of the Chiller system will include a thorough walkthrough of the system to ensure all gates and valves are in the proper position. South Plant Training staff will review Operations and Maintenance (O&M) materials for the Chiller system and will determine whether any updates are needed. Training staff will also provide refresher training on the Chiller system to existing and new O&M staff.

If you have any questions, please contact me at 206-263-9481.

Sincerely,

DocuSigned by:

16CB1D461AE44A5...

Robert Waddle
Operations Manager

cc: Greg Lipnickey, Washington State Department of Ecology
Rocky Sittner, City of Renton Public Works
Kristina Lowthian, City of Renton Public Works
Mike Wohlfert, Assistant Manager, Wastewater Treatment Division (WTD),
Department of Natural Resources and Parks (DNRP)
Rick Butler, Process Supervisor, East Section, WTD, DNRP
Jeff Lafer, Wastewater Planner/Project Manager IV, WTD, DNRP
John Conway, Water Quality Planner/Project Manager III, WTD, DNRP