

Instructions

It may be possible to send water from construction sites into the sanitary sewer if approved by the King County Industrial Waste Program (KCIW) and the local sewer agency.

Who needs approval

Most construction projects discharging to sanitary sewers in King County's Wastewater Service area (including combined sewers that carry stormwater and sewage in the older parts of Seattle) need approval.

- Single family residential construction projects should check with the local city or sewer agency. KCIW does not require applications from these projects.
- Projects discharging to separated storm sewers or surface water bodies do not need approval from wastewater utilities. Check with the appropriate entity:
 - Contaminated site any size: Washington State Department of Ecology
 - Clean site more than 1 acre: Washington State Department of Ecology
 - Clean site less than 1 acre: Local jurisdiction's stormwater utility

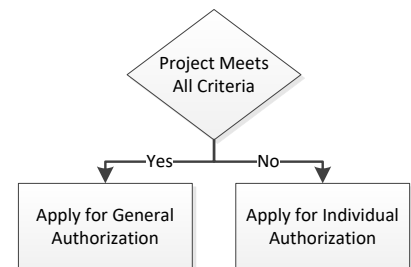
How to get approval to discharge to sanitary sewers

1. Contact the local sewer agency. Confirm they accept water from construction sites. Confirm the location and conditions for discharging to their system. A list of local agencies is available:
<http://www.kingcounty.gov/environment/wtd/About/SewerAgencies.aspx>
2. Select your King County construction dewatering application (individual or general).
3. Download, complete, print and sign your application. Scan your signed application and submit it to King County via email: info.KCIW@kingcounty.gov.
4. Contact the local sewer agency for permission to connect to their system and any additional requirements.

Select your King County application

KCIW offers two types of authorizations for discharging construction water to sanitary sewers: Individual and General. You may be able to use the simpler form, *General Authorization Application for Construction Dewatering*, if your project meets all of the following criteria:

- Site is not contaminated.
- Site is less than 1 acre.
- Project will discharge less than 25,000 gallons per day (gpd) to the sanitary sewer.
- Site has a sedimentation tank.



If your project does not meet all four criteria, you must use this form, *Individual Authorization Application for Construction Dewatering*. Both forms are available at www.kingcounty.gov/industrialwaste. Applying for a General Authorization is easier and requires less documentation (no exhibits) than an Individual Authorization. No reporting is necessary once the General Authorization is approved.

Tips for a Successful Application

- Complete one application for each construction site.
- Answer all questions; use additional pages, if needed. (See the application checklist on page 2.)
- Make sure the authorized representative (site owner) signs this application. (See pages 3 and 4.)
- Keep the original signed application in your records until the project is complete.
- For questions, contact KCIW at info.KCIW@kingcounty.gov or 206-477-5300.

Application Checklist

Before submitting your application, use this checklist to make sure you have included all the necessary information and documentation.

Checklist for Individual Authorization Application

Application Component and Page Number	Completed
Signature of authorized representative or owner (page 3)	<input checked="" type="checkbox"/>
Signed signature delegation if authorized representative or owner is delegating signature authority (page 4)	<input type="checkbox"/>
Project Information (page 5)	<input checked="" type="checkbox"/>
Detailed project information (pages 6 and 7)	<input checked="" type="checkbox"/>
Exhibit A, Site Plan (page 8)	<input checked="" type="checkbox"/>
Exhibit B, Wastewater Treatment System Description (page 8)	<input checked="" type="checkbox"/>
Exhibit C, Dewatering Schedule (required for sites requesting discharge approval for longer than six months) (page 8)	<input checked="" type="checkbox"/>
Exhibit D, Description of Contamination (required for sites with known groundwater or sediment contamination) (page 8)	<input checked="" type="checkbox"/>
Exhibit E, Groundwater Dewatering Plan and Temporary Stream Diversion Construction Sequence (page 5)	<input checked="" type="checkbox"/>
Exhibit F, King County Sewer Discharge Calculations (page 7)	<input checked="" type="checkbox"/>
Exhibit G, Project Description (page 5)	<input checked="" type="checkbox"/>

Required Signature

NOTE: A construction site owner must sign this page and/or the reverse page to delegate signature authority.

King County Code 28.82.050 requires a signature from an “authorized representative” on all wastewater applications and reports. An authorized representative is responsible for the accuracy of the information provided. For construction projects, it is the site owner. The authorized representative may be one of the following:

- A. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision-making functions
- B. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:
 1. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations;
 2. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements; and;
 3. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures
- C. A general partner or proprietor for a partnership or proprietorship
- D. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency
- E. An individual and/ or position—delegated in writing by one of the first four (A–D above)—who is responsible for the overall operation of the facility from which the discharge originates or has overall responsibility for environmental matters for the company or agency.

Use the form on reverse to delegate signature authority.

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.

Rob Woeck	777 108th Ave NE, Suite 800
Name	Street Address
I-405/SR 167 Deputy Program Administrator	Bellevue, WA 98004
Title	City, State, and Zip
WSDOT	woeckro@wsdot.wa.gov
Company Name	Email
Phone	Signature
206-719-3961	01/13/2021
Cell Phone (optional)	Date

Delegation of Signature Authority Form

This form is only required if the authorized representative wishes to delegate signature authority. Use additional copies of this page to delegate to additional people or positions.

Person Delegating Signature Authority

By signing below, I certify that I am authorizing the following person(s) and/or position(s) to receive signature authority. I am an authorized representative for the company named in this application because I meet the following definition listed on the reverse page:

☐ A

☐ B

☐ C

☐ D

Name	Street Address
Title	City, State, and Zip
Company Name	Email
Phone	Signature
Cell Phone (optional)	Date

Person(s) and/or Position(s) Receiving Signature Authority

1. Name or Position Title Company Name Phone Street Address Email City, State, and Zip Code Signature	2. Name or Position Title Company Name Phone Street Address Email City, State, and Zip Code Signature
3. Name or Position Title Company Name Phone Street Address Email City, State, and Zip Code Signature	4. Name or Position Title Company Name Phone Street Address Email City, State, and Zip Code Signature

Project Information

Applicant/Project Name	Washington State Department of Transportation (WSDOT)		
Project Location (Address, City, and Zip Code)	The Project is located along Ripley Lane North, in the City of Renton, between Lake Washington to the west and I-405 to the east between mileposts 7.71 and 7.92. The project is within Renton, Washington 98056. See Exhibit G: Project Description.		
NOTE: The site owner will be issued the discharge approval; the contractor or consultant will be sent a copy.			
	Site/Project Owner (Must be authorized or delegated signatory)		Contractor/Consultant
Name	Rob Woeck		
Title	I-405/SR 167 Deputy Program Administrator		
Company	WSDOT		
Mailing address	600 108th Avenue NE, Suite #405		
City/state/zip code	Bellevue, WA 98004		
Office telephone no.	(425) 450-2534		
Cellphone no.			
Fax no.			
Email address	woeckro@wsdot.wa.gov		
Primary person to be contacted about this application if not listed above (name, address, telephone, email)	Alicia Toney 600 108th Avenue NE, #405, Bellevue, WA 98004 toneya@wsdot.wa.gov		
NOTE: Use attachments, if necessary, to provide the following information.			
Detailed description of project construction	The project would: create new open channels and improve portions of existing open channel to convey the flows of Streams 7.7A and 7.8 to Lake Washington; construct a new channel connection for the combined flows of Streams 7.7A and 7.8 into Lake Washington; construct new culverts, designed in accordance with WDFW's Water Crossing Design Guidelines (2013), where the streams cross under existing local roadways or driveways; remove portions of existing paved areas, including a roadway access under the Eastrail trestle, to accommodate the new channel; replant streambanks and impacted wetlands with native plant species; include habitat elements (e.g., LWM and suitably sized gravel) to provide enhanced fish habitat as compared to current conditions; maintain in place portions of existing stream channels and fish barrier culverts, downstream of the proposed new I 405 culverts, to convey stormwater only; and remove and dispose of soils excavated by Project activities beneath the Eastrail trestle or within 10 feet of creosote-treated piles prior to introduction of water into the newly constructed stream channel. Excavated soils beneath the Eastrail trestle or within 10 feet of creosote-treated piles will be disposed of properly at an approved disposal facility. See Exhibit A: Site Plan, and Exhibit E: Groundwater Dewatering Plan and Temporary Stream Diversion Construction Sequence.		
Start date of dewatering	Summer/Fall 2022	End date of dewatering	Summer/Fall 2024
Site size	1.5 acres		

Environmental permits issued for the site that are relevant to this project (for example: NPDES, Ecology Notice of Intent)	NPDES Construction Stormwater Permit, Section 404 Nationwide Permit, Hydraulic Project Approval/Fish Habitat Enhancement Project.
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Detailed Project Information

Follow these instructions to complete the table below:

- **Process or activity generating wastewater.** Enter a brief process number and name for each process and activity (for example: 1. well dewatering, 2. wheel wash, 3. equipment cleaning, 4. concrete curing, 5. jet grouting, 6. contaminated stormwater runoff).
- **Substances and/or pollutants in wastewater.** List all substances in the wastewater (such as sediment/solids, caustic and/or acidic, oil and grease, other contaminants if groundwater or soil is contaminated).
- **Type of pretreatment.** For each waste stream, identify the type of wastewater pretreatment you will provide (such as filtration, chemical precipitation, settling, pH neutralization, electrocoagulation, chitosan). King County policy requires that at a minimum, an appropriately sized settling tank (weir tank preferred) must be installed to provide gravity separation.
- **Frequency of discharge.** Indicate the frequency of discharge. Enter "continuous" if you will discharge continuously to the sewer as the wastewater is generated or "batch" if you will store wastewater and discharge it to the sewer in batches.
- **Discharge point.** Enter the manhole or side sewer location approved by the local city or sewer agency for temporary connection to the sewer.
- **Daily quantity discharged.** Calculate the projected daily maximum discharge volume for each process or activity and then the total for all processes and activities.

Process or Activity Number	Process or Activity that Generates Wastewater	Substances and/or Pollutants in Wastewater	Type of Pretreatment	Frequency of Discharge (continuous or batch)	Discharge Point if known (manhole, side sewer location)	Maximum Daily Quantity Discharged (gallons)
1	Excavation dewatering (wells and pumps, TBD) for fish passage structure and new stream channel excavation	sediment	settlement (if needed)	continuous or batch Would not be at the same time as Activity 2	RO-2-27, see Exhibit A	Groundwater (flush)- 36,000 gpd Groundwater (typical)- 7,200 gpd Surface Water - 30,040 gpd
2	Excavation dewatering (wells and pumps, TBD) for fish passage structure and new stream channel excavation	sediment metals: As 3.8 ug/L (total); Ba 80 ug/L (total) diesel, heavy oil tested <= 360 ug/L (ppb) semi-voas up to 35 ug/L (ppb)	settlement (if needed)	continuous Would not be at the same time as Activity 1	RO-2-27, see Exhibit A	Groundwater (flush)- 720,000 gpd Groundwater (typical)- 288,000 gpd Surface Water - 30,660 gpd



Industrial Waste Program
Individual Authorization Application for Construction Dewatering

Total maximum daily discharge volume						750,660 gpd

Water Quantity Balance Calculations

For each process or activity listed in the table above, thoroughly document the information, methods, and assumptions used to calculate your site's water quantity balance. Use a storm event of 2 inches per 24 hours to calculate the maximum daily stormwater runoff volume. Add attachments if you need more space.

See Exhibit F: King County Sewer Discharge Calculations

Detailed Project Information (continued)

If your project will discharge greater than 25,000 gpd during November through April, explain in detail why discharge to surface water is not feasible.

The Project is not proposing any discharge to surface water due to the presence of known soil contamination

Is there known groundwater or soil contamination on site?

Yes

If yes, provide a summary of the contamination, site history, and sources of contamination. Submit Exhibit D (see page 8).

Petroleum products and semi-volatile compounds associated with wood treatment of piles used for railroad trestle. Metals suspected from natural sources. Groundwater contamination detected but exist below MTCA levels and therefore are not assessed. See Exhibit D: Description of contaminated sources and chemical characteristics.

Does this site have a Temporary Erosion and Sediment Control (TESC) Plan that outlines best management practices (BMPs)?

☒ Yes

If yes, the plan must be available onsite for reference throughout the project.

☐ No

If no, please explain:

Contact the local sewer agency (city or sewer district) to receive instructions on discharge conditions.
(www.kingcounty.gov/environment/wtd/About/SewerAgencies.aspx) and complete the following:

Name and telephone number of the local city or sewer district personnel you contacted.

Not applicable, discharge proposed directly to King County SS.

Maximum discharge rate (gpm) specified by the local city or sewer district contact.

Not applicable, discharge proposed directly to King County SS.

Sewer account number or billing method that the local city or sewer district will use to assess sewer fees.

Not applicable, discharge proposed directly to King County SS.

Exhibits

Exhibits A and B are required for all applications.

- A. Site Plan.** Attach a site plan that shows the location of activities or processes generating wastewater, settling ponds/tanks or other wastewater treatment system components, wastewater conveyance lines, temporary points of discharge (approved by the local city or sewer district), groundwater and/or sediment sampling locations, streets, and public sewer and storm drainage facilities.
- B. Wastewater Treatment System.** Attach a description of the proposed wastewater treatment system, including the following:
1. Diagrams, specification sheets, and basic design data for system components (for example, pumps, tanks, mixers).
 2. Schematic flow diagram of the treatment process that shows system piping, tanks, and control features.
 3. Maximum flow rate for the system.

NOTE: KCIW may require an engineering justification and/or other evidence demonstrating that discharge from the site will meet applicable permit effluent limitations.

Minimum Standards for Rectangular Sedimentation Tank Design is available here:

http://www.kingcounty.gov/environment/wastewater/IndustrialWaste/GettingDischargeApproval/Construction/Sedimentation_tank_s.aspx.

Exhibit C is required for approval of projects that will discharge longer than six months:

- C. Dewatering Schedule.** Attach a wastewater discharge schedule indicating when each activity or process is expected to generate wastewater for the duration of the project. For each process and discharge period, specify the projected maximum daily discharge volume. (See example below.)

NOTE: The chart below is included as an example only. You may create a similar table or use a different format, provided it includes the requested information.

Project Name:		E	X	A	M	P	L	E		O	N	L	Y			
	Start Date				Project Timeline										End Date	
	week	week	week	week	week	week	week	week	week	week	week	week	week	week	week	
Process Generating Wastewater	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Process 1 - drill slurry decant						max 1,000 gpd										
Process 2 - wheel wash									max 500 gpd							
Process 3 - Excavation dewatering					max 8,500 gpd							max 25,000 gpd				
Process 4 - Contaminated Stormwater								max 45,000 gpd								

Exhibit D is required for sites with known groundwater or sediment contamination:

- D. Description of contamination sources and chemical characteristics.** Attach a summary (preferably in table format) of all available groundwater and/or sediment quality data. Indicate groundwater and/or sediment sample locations on the site plan (Exhibit A).