



## King County

### Wastewater Treatment Division

Industrial Waste Program

Department of Natural Resources and Parks

201 South Jackson Street, Suite 513

Seattle, WA 98104-3855

**206-477-5300** Fax 206-263-3001

TTY Relay: 711

January 11, 2021

John Su  
Yesler Towers LLC  
10608 NE 2nd St, Suite 202  
Bellevue, WA 98004

General Letter of Authorization – Construction: # 40307-01 for Yesler Towers LLC -  
Groundwater Drawdown Test to Discharge to the King County Sanitary Sewer

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Dear Mr. Su:

In accordance with King County Code 28.84.060, King County Industrial Waste Program (KCIW) authorizes the discharge of construction dewatering/process wastewater to the King County sanitary sewer from the Yesler Towers LLC - Groundwater Drawdown Test located at 809 S Washington Street, Seattle, WA 98122. This project is required to meet all the limitations, monitoring requirements, and other conditions specified in this authorization.

This authorization is the only KCIW authorization that will be issued for the project identified in your application. This authorization is issued for the maximum duration of two years. It is valid from **January 14, 2021**, through **January 13, 2023**, or the duration of this project, whichever comes first. It is the permittee's responsibility to notify KCIW of project closure or any changes with this project.

This authorization alone does not allow you to discharge to the sanitary sewer. You must contact the local sewer agency to obtain approval along with a discharge location before discharging to the sanitary sewer. Wastewater from this project must be discharged to/at the location(s) specified by the local sewer agency. The local sewer agency will assess sewer charges, set flow rate restrictions and may impose additional requirements.

### **General Conditions**

All discharges and activities approved by this authorization shall be consistent with King County Code 28.84.060 and the terms and conditions outlined in this authorization. A copy of this discharge approval, as well as required daily monitoring records, shall be on site and available for review and reference by KCIW or local sewer agency representatives.

This authorization to discharge is based on your agreement and signed application.

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This authorization permits the discharge of up to 25,000 gallons per day (gpd) of construction dewatering from the construction site into the sanitary sewer. Discharging pollutants more frequently or in higher concentrations or quantity than authorized in this letter is a violation of the terms and conditions of this authorization. You must contact KCIW in advance and receive authorization before making changes beyond the terms and conditions of this authorization. Examples of changes include:

- Construction dewatering volume above 25,000 gpd.
- Site's surface area generates contaminated stormwater that exceeds one acre in aggregate.
- Site conditions indicate potential for chemical contamination.
- Substantial changes in the quality of the discharged water.
- Discharge of wastes or contaminants from sources other than those permitted herein.

This permit does not constitute authority for discharge into waters of the state. Any such discharge is subject to enforcement action by the Washington State Department of Ecology.

You must allow authorized representatives of KCIW to enter, inspect, and sample as specified in King County Code 28.84.060.L, "Inspection and Sampling of Industrial Users."

You must install an accessible sampling spigot on the discharge pipe from the last treatment unit of the wastewater treatment system. The sample site shall be representative of all industrial waste streams discharged to the sewer from this project. Each sample site shall be accessible to KCIW representatives when discharge to the sewer is occurring.

You must install a totalizing, non-resettable flow meter on all permitted discharge pipes to the sewer or as approved by your local sewer agency. The meters shall account for all industrial waste streams discharged to the sewer from this site.

### **Discharge Limitations**

<b>Parameter</b>	<b>Limitation</b>
Instantaneous maximum discharge rate	To be determined by local sewer agency. Not to exceed 200 gallons per minute or the sedimentation tank flow restriction, whichever is more stringent.
Maximum daily discharge volume	25,000 gpd
Settleable solids	7.0 mL/L
Nonpolar Fats, Oil & Grease (FOG)	100 mg/L
Instantaneous Minimum pH <sup>1</sup>	5.0 s.u.
Daily Minimum pH <sup>2</sup>	5.5 s.u.
Maximum pH	12 s.u.
Soluble Sulfides (Screening Level)	0.1 mg/L

<sup>1</sup> The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0.

<sup>2</sup> The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

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The water being discharged will not do the following:

- Violate any discharge standard, limitation, or specific prohibition of King County Code 28.84.060 or local discharge limits applicable on the date of discharge (see Section 28.84.060.D-F of the King County Code).
- Contain the odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity.
- Cause hydraulic overloading conditions of the sewerage conveyance system. During periods of peak hydraulic loading, KCIW or local sewer agency representatives reserve the authority to request that discharge to the sewer be stopped.

You must stop discharging and notify KCIW, by phone at 206-477-5300 or email at info.KCIW@kingcounty.gov, if you exceed any of the discharge limits, or notice odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity.

### **Monitoring Requirements**

You shall conduct the following self-monitoring requirements for this authorization.

<b>Parameter</b>	<b>Frequency</b>	<b>Sample Type/Method</b>
Discharge volume	Daily	In-line flow meter
Discharge rate	Daily	In-line flow meter
Settleable solids	Daily	Grab by Imhoff cone <sup>1</sup>

All tests, measurements and analyses shall be performed in accordance with procedures established by the administrator of the U.S. Environmental Protection Agency (EPA) pursuant to section 304(g) of the federal Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedure approved in writing by the EPA administrator, and/or KCIW.

### **Records Management**

You will maintain records relating to all permitted discharges to the King County sewerage system including but not limited to routine maintenance, waste disposal dates, manifests, any analytical lab results, monitoring records, and flow records.

All records required must be available for review by KCIW and must be kept through the completion of the project.

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<sup>1</sup> The settleable solids field test by Imhoff cone must be performed as follows:

- Fill cone to one-liter mark with well-mixed sample.
- Allow 45 minutes to settle.
- Gently stir sides of cone with a rod or by spinning. Settle 15 minutes longer.
- Record volume of settleable matter in the cone as mL/L.

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### **Special Conditions**

You must implement erosion control best management practices to minimize the amount of solids discharged to the sanitary sewer system. As a minimum precaution, the construction dewatering must be pumped to an appropriately sized settling tank prior to entering the sewer system.

The authorization to discharge is based on your agreement and signed application to comply with the minimum standards outlined in *Minimum Standards for Rectangular Sedimentation Tank Design and Technical memorandum* found on county's webpage<sup>1</sup>.

The following two sedimentation tank options may be used, depending on site conditions and project requirements:

#### 1. Rectangular Sedimentation Tank (Flow-Through Discharge)

The minimum required standards for the flow-through system are:

- Minimum hydraulic retention time:  $\geq 90$  minutes
- Minimum length-to-width ratio (length : width):  $\geq 4:1$
- Maximum overflow rate (gallons-per-minute per square foot of surface area):  $\leq 1.0$  gpm/ft<sup>2</sup>
- Maximum sediment accumulation (level of sedimentation tank water column):  $\leq 25\%$
- Requirement to add additional sedimentation tanks in parallel for higher flow rates<sup>2</sup>.

#### 2. Circular Sedimentation Tank (Batch Discharge):

At some smaller construction sites, process wastewater is produced intermittently. The minimum required standards for batch discharge area as follows:

- Minimum 5,000 gallon circular tank, which can accommodate a maximum of five batch discharges per day.
- At least one hour of quiescent (undisturbed) settling must occur in the tank prior to discharge. During this settling time, no additional process wastewater can be added to the sedimentation tank.
- Maximum sediment accumulation (level of sedimentation tank water column):  $\leq 25\%$

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<sup>1</sup> [http://www.kingcounty.gov/environment/wastewater/IndustrialWaste/GettingDischargeApproval/Construction/Sedimentation\\_tanks.aspx](http://www.kingcounty.gov/environment/wastewater/IndustrialWaste/GettingDischargeApproval/Construction/Sedimentation_tanks.aspx).

<sup>2</sup> Example: At 200 gpm flow, to meet the Minimum hydraulic retention time of  $\geq 90$  minutes, you need a minimum of 18,000 gallons rectangular tank (18,000 gal / 200 gal/min = 90 minute hydraulic retention time). Correspondingly, at 100-gpm flow, you need a 9,000-gallon tank, and at 65 gpm, the tank volume shall be 5850 gallons. If gravity discharge from the tank is not possible, the effective volume of the tank needs to be reduced to the level of the pump intake and under no circumstances can the pump intake be lower than one-half (1/2) of the tank height.

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The permittee shall properly operate and maintain all wastewater treatment units to ensure compliance with established discharge limits. Solids accumulation in tanks used for solids settling shall not exceed 25 percent of the tank's working hydraulic capacity. Each tank's working hydraulic capacity is based on the water column height as measured from the bottom of the tank to either the invert elevation of the tank's outlet pipe (gravity discharges) or discharge pump intake (pumped discharges).

### **General Information**

King County Code 28.84 authorizes a fee for each General Letter of Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a new General Letter of Authorization is \$800. King County will send you an invoice for this amount.

If you have any questions about this authorization or your construction dewatering discharge, please call us at 206-477-5300, or email us at [info.KCIW@kingcounty.gov](mailto:info.KCIW@kingcounty.gov). You may also visit our program's Internet pages at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,

DocuSigned by:  
  
99B45AD12D93445...

Michael Scullywest  
Industrial Waste Compliance Investigator

cc: Sam James, Yesler Towers LLC, [samj@sudevelopment.com](mailto:samj@sudevelopment.com)  
Jon Ford, Seattle Public Utilities, [jon.ford@seattle.gov](mailto:jon.ford@seattle.gov)