

TEMPORARY SANITARY SEWER DISCHARGE APPLICATION

The “Temporary Sanitary Sewer Discharge Application” applies to all industrial users (non-residential establishments) located in the Loudoun Water service area that:

- (1) are not connected to the sanitary sewer system and need to discharge wastewater for a finite, short-duration to Loudoun Water or
- (2) have an existing connection and have a need to discharge abnormal wastewater for a finite, short-duration to Loudoun Water.

What does it mean?

Loudoun Water may allow Industrial User’s (non- residential establishments) to discharge non-wastewater residuals, or other temporary water discharges (e.g., chemical clean, flushing water, hydro-static pressure testing water, cooling water chemical clean and flushing water, etc.) to the Broad Run Water Reclamation Facility on a case-by-case basis.

In accordance with Loudoun Water’s Sewer Use and Pretreatment Ordinances (Chapter 1064 & 1068), non-domestic wastewater flows **may not** be discharged into the sanitary sewer system without prior approval. It is **illegal** to discharge non-domestic wastewater flows, into the sanitary sewer system without prior written approval by Loudoun Water.

Because portions of the Loudoun Water sanitary collection system ultimately convey to DC Water, Loudoun Water and/or DC Water Blue Plains Advanced Wastewater Treatment Facility local limit discharge standards may apply to authorized temporary dischargers. Loudoun Water’s Local Limits can be found in Section I of the Loudoun Water Temporary Sanitary Sewer Discharge Application.

For any abnormal strength wastes, Loudoun Water requires all industrial users (non-residential establishments) to capture and contain all waste residual water onsite in a storage vessel or tank. In addition, Loudoun Water will collect a representative sample and analyze for all POTW’s conventional contaminants priority pollutants, or any pollutants specific to the industry or project that Loudoun Water may deem necessary to maintain compliance with its Virginia Pollutant Discharge Elimination System (VPDES) Permit for the Broad Run Water Reclamation Facility. Loudoun Water also encourages the applicant to perform split sampling to analyze for the same contaminants and pollutants through an approved and accredited third-party laboratory.

If the applicant is seeking to discharge/dispose of their waste/residual water to a stormwater pond or receiving stream they must first contact the Virginia Department of Environmental Quality (DEQ) Northern Regional Office (NRO) for permitting and approval prior to discharge and disposal. Call the VA DEQ at 804 698-4000 or toll-free at 800-592-5482 or visit their website at <https://www.deq.virginia.gov/Permits/DoIneedapermit.aspx> for more information on stormwater permitting. Loudoun Water **is not** the control authority in approving surface water discharge.

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How long does the authorization process take?

A total of 10 working days from the receipt of a fully completed application form should be expected prior to receiving a discharge determination. If the application is deemed to be incomplete or special circumstances dictate additional information, Loudoun Water will contact the applicant for further information prior to making a final determination.

No discharge of any non-domestic, uncharacterized waste is permitted without written approval from Loudoun Water. Prior to a determination from Loudoun Water, the waste product must be captured and contained in storage tanks (frac-tanks), without the potential for an accidental discharge, for sampling and analysis by Loudoun Water Pretreatment personnel.

Where do I apply?

The Temporary Sanitary Sewer Discharge Application is available on the Loudoun Water website at: www.loudounwater.org/commercial-customers/pretreatment-program. Applications may be e-mailed or mailed to the following locations:

Loudoun Water
Regulatory Programs
Pretreatment
44961 Loudoun Water Way
Ashburn VA 20147

Email: pretreatment@loudounwater.org

What do I Receive?

If the user is issued a Temporary Sanitary Sewer Discharge Authorization, a formal response will be issued via email and valid for the specified time noted in the approval letter. A Temporary Sanitary Sewer Discharge Authorization may be extended by written approval by Loudoun Water.

Additional Regulatory Information Links

[Loudoun County Codified Ordinance Chapter 1068 Pretreatment National Pretreatment Program](#)
[General Pretreatment Regulations 40CFR Part 403](#)
[Introduction to the National Pretreatment Program](#)

TEMPORARY SANITARY SEWER DISCHARGE APPLICATION

A. Primary Contact Information			
Company Name			
Mailing Address			
Contact Name		Title	
Telephone No.		Email	
B. Project Information			
Project Name			
Project Address			
Loudoun Water Project Number			
Property Owner			
Owner Contact Name		Telephone No.	
Is this activity part of an active Loudoun Water Construction Project?			
Is the Property Owner an existing Loudoun Water Customer?			
<i>Please note on page 5, item c. requires a Site Location Map to be attached. If work is part of a larger project or existing complex, indicate the portion or phase requiring a temporary discharge on the map.</i>			
C. Additional Contacts			
Water Quality or Environmental Consultant			
Contact Name		Telephone No.	

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D. Project Description			
E. Type of Water/Wastewater			
<input type="checkbox"/> Chemical Clean	<input type="checkbox"/> Flushing Water	<input type="checkbox"/> Hydro-Static Water	<input type="checkbox"/> Other (<i>specify: e.g., façade cleaning, power washing, etc.</i>) _____
Total Volume to be Discharged (gallons)			
Maximum Rate of Discharge (gallons per minute, or gallons per day)			
Average Rate of Discharge (gallons per minute, or gallons per day)			
Duration of Discharge (hours or days)			
Requested Effective Date (i.e., the start date of discharge)			

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F. Required Attachments

- a) **Water/Wastewater/ Analytical Data** – Loudoun Water will require proper characterization of the waste to be discharged. The constituents for laboratory analysis will vary depending on the nature of the discharge. The Regulatory Program Manager will determine the constituents required on a case-by-case basis. Attach all available laboratory results.
Typical parameters of interest include pH, temperature, heavy metals (arsenic, cadmium, chromium, copper, cyanide, lead, mercury, molybdenum, nickel, selenium, silver and zinc), petroleum oil & grease, volatile organic compounds, semi-volatile organic compounds (EPA Methods 624 and 625), PCB's. Conventional pollutants BOD5, COD, TP, TKN, TN, TSS, NO2, NO3, ammonia, alkalinity and turbidity (UV254), suspended solids, and pH. Additional parameters may be required based on the nature of the identified waste discharge.
- b) **Chemical Cleaning/CW Flushing Plans/Documents** – attach pertinent plans and reports including, but not limited to, dewatering plans, site assessment reports, operations plans, and treatment system design plans for the proposed project (if required), as available.
- c) **Site Location Map** – attach a map showing the proposed site, the discharge location, the location of on-site treatment systems, frac/storage tank locations, and identifying the sample collection location.
- d) **Waste Hauler** – If hauling is required, it is the responsibility of the contractor/owner to secure a permitted trucking company to haul the waste residual water to the approved disposal site. Any waste hauler must be permitted and approved to haul waste residuals by the Loudoun County Health Department and Loudoun Water. The trucking company must obtain a Loudoun Water Septage Hauler Discharge Permit. All trucks and tankers utilized for the project must be solely dedicated to the project for the period defined within this authorization application upon approval. Loudoun Water may conduct sampling of the product at the point of collection/storage and grab samples form trucks/tanker at the site of disposal/discharge or as deemed necessary.

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G. Certification of Applicant by Signing Official – must meet requirements 40 CFR 403.6(a)(2)(ii)	
<p><i>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 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 having to pay a fine and imprisonment for knowing violations.</i></p>	
<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Name and Company of Signing Official (print)</p>	<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Title (print)</p>
<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Signature of Signing Official</p>	<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Date</p>

H. Delegation of Signing Authority - Optional	
<p><i>I hereby authorize the following individual to sign and certify report submittals including reports on periodic compliance monitoring required by the authorization.</i></p>	
<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Name and Company of Delegated Signing Official (print)</p>	<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Title (print)</p>
<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Signature of Signing Official (from Section F above)</p>	<hr style="border: 0; border-top: 1px solid black;"/> <p style="text-align: center;">Date</p>

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I. SPECIAL INSTRUCTIONS – SPECIFIC TO APPLICANTS PROJECT

1. The authorization, if approved, is valid for the discharge to Loudoun Water Broad Run Water Reclamation Facility only from the locations and source identified and specified above and the time specified within the authorization.
2. All discharges shall comply with the Loudoun County Codified Ordinance Chapter 1068 Pretreatment and Local Limits for the BRWRF and DC Water POTW.
3. All Non-Domestic residual wastewater (Flushing Water, Chemical Cleaning) is subject to containment and storage onsite until a characterization is determined by sampling analysis. Loudoun Water encourages that split sampling analysis is performed jointly.
4. If it is determined that the waste characterization is not suitable for treatment or acceptance at the BRWRF, Loudoun Water will attempt to assist the user by working collaboratively to find an alternative method of disposal.
5. Additional sampling may be required to analyze other pollutants that Loudoun Water deem necessary to determine acceptance that is not listed as a POC or Priority Pollutant.
6. Loudoun Water has the right to rescind and terminate any Temporary Sanitary Sewer Discharge Authorization immediately if the wastewater poses an imminent threat or danger to Loudoun Water personnel or to the treatment plant processes.
7. The user must report all spills, emergencies or unusual circumstances that may lead to a potential for interference or pass-through of the treatment facility process.
8. Hauled septic waste and treatment plant sludges are subjected to the hauled waste fees found in Loudoun Water's Rates, Rules, and Regulations document.
9. For the duration of the authorization, the contracted hauler shall allocate the tanker solely to this project to mitigate any residual material that would compromise the discharge characteristics of the discharge water hauled for this project.
10. The contract hauler, truck/tanker must be equipped with a four-inch quick disconnect coupling to offload the waste-water residuals at the BRWRF specified location.
11. All wastewater sampling analysis shall be performed using [EPA Approved Methods](#) by a Loudoun Water approved laboratory.
12. The applicant is required to perform all required sampling and testing at the applicant's own expense.
13. All correspondence shall be emailed to pretreatment@loudounwater.org or mailed to Regulatory Program Manager, Loudoun Water, 44961 Loudoun Water Way, Ashburn VA 20147.

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I. Loudoun Water Broad Run Water Reclamation Facility – Local Limits	
<u>Parameters</u>	<u>Local Limits</u>
Arsenic	0.23 mg/L
Cadmium	0.07 mg/L
Chromium	2.7 mg/L
Copper	2.3 mg/L
Cyanide	0.06 mg/L
Lead	<1 mg/L
Mercury	0.001 mg/L
Molybdenum	0.7 mg/L
Nickel	1.5 mg/L
Selenium	0.24 mg/L
Silver	1.3 mg/L
Zinc	3.4 mg/L
PCBs	Non-detect
Oil & Grease (petroleum)	100 mg/L (non-polar)
Fats, Oils & Grease (FOG)	50 mg/L FOG Solidifying @ <150deg C
Fats, Oils & Grease (FOG)	50 mg/L Hydrocarbon FOG
Fats, Oils & Grease (FOG)	100 mg/L total FOG
pH	5.0 - 10.0 SU
Temperature	40degC (104degF) at POTW 60degC (140degF) from SIU
Flammability	No 2 consecutive readings at >= 5% LEL, and no reading of >= 10% LEL allowed
<p>For discharges that may be directed to either the Broad Run WRF or the DC Water Blue Plains AWT facility based on operational decisions, the most stringent local limits established at either plant shall apply.</p> <p>The Local Limits will apply to all non-domestic users. It is the intent of the established local limits that industrial users issued discharge permits or temporary authorization to discharge and have the potential to discharge pollutants of which local limits have been developed will be required to routinely monitor for compliance with the local limits.</p> <p>In addition to the above local limits, any concentrations of wastes in excess of the following limits will be considered “Abnormal Strength” wastes and subject to written approval by Loudoun Water prior to discharge.</p>	
<u>Parameter</u>	<u>Limits</u>
BOD	272 mg/L
COD	682 mg/L
TSS	245 mg/L
TKN	48 mg/L
NH ₃ -N	29 mg/L
TP	8 mg/L

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J. Sampling Parameters & EPA Approved Analytical Methods

<u>Sample Parameter</u>	<u>EPA Approved Analytical Methods</u>
Field pH Meter – Hach HQ40D	Hach Method USEPA Electrode Method 8156
Field Temperature Meter – Hach HQ40D	Hach Method USEPA Electrode Method 8156
Antimony	EPA Method 200.7
Arsenic	EPA Method 200.7
Beryllium	EPA Method 200.7
Cadmium	EPA Method 200.7
Chromium	EPA Method 200.7
Copper	EPA Method 200.7
Cyanide	EPA Method 4500-C-NE
Lead	EPA Method 200.7
Mercury	EPA Method 245.1
Molybdenum	EPA Method 200.7
Nickel	EPA Method 200.7
Selenium	EPA Method 200.7
Silver	EPA Method 200.7
Thallium	EPA Method 200.7
Zinc	EPA Method 200.7
Oil & Grease, TPH – SGT	EPA Method 1664B
Oil & Grease, HEM – SGT	EPA Method 1664B
Fats, Oil & Grease – FOG	EPA Method 1664B
Volatile Organic Compounds – VOC	EPA Method 624.1
Base Neutral & Acids	EPA Method 625.1
Organochloride Pesticides & PCB	EPA Method 608.3
E. Coli MPN	Standard Methods 9223 B
Biological Oxygen Demand 5-Day	Standard Methods 5210 B
Total Suspended Solids – TSS	Standard Methods 2540 D
Chemical Oxygen Demand – COD	HACH 8000
Total Phosphorus – TP	Standard Methods 4500 PE
Total Kjeldahl Nitrogen – TKN	EPA Method 351.2
Total Nitrogen – TN	Calculation (TKN + NOx)
Nitrogen Oxides – NOx	EPA Method 353.2
Ammonia – NH3	EPA Method 350.1