

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Water Permits

625 Broadway, Albany, New York 12233

[www.dec.ny.gov](http://www.dec.ny.gov)

## MEMORANDUM SPDES Permit Equivalent

**TO:** Wendi Zheng, DER  
**FROM:** Nicholas Mustico, Bureau of Water Permits, DOW  
**SUBJECT:** SPDES Permit Equivalent: Steiner Sequel, DER Site ID# C224330  
**DRAINAGE BASIN:** 17 / 01  
**DATE:** July 31, 2023

In response to your request dated February 9, 2023, attached please find the effluent limitations and monitoring requirements for the above noted remediation discharge with the following changes:

The discharge consists of treated water from the initial contaminated ground water source treated by the proposed dewatering plan, which includes the mobilization of a temporary groundwater treatment system and sump pumps. The treatment system consists of carbon adsorption preceded by influent settling and mechanical filtration via bag filtration, with the potential for additional treatment for Perfluorooctanoic acid (PFOA), Perfluoro octane sulfonic acid (PFOS) removal if needed.

As stated in 6 NYCRR 750-1.5(a)(2) a SPDES permit is not required for “any discharge in compliance with an order issued pursuant to ECL 27-1313 to implement a department approved inactive hazardous waste remedial site program provided that such discharge complies with the substantive requirements of a SPDES permit, or any discharge under any remedial or corrective action work plan approved by the department provided that such work plan includes public notification and response to the public equivalent to that required under either ECL 27-1313 or” 6 NYCRR Part 621. This exemption applies so long as “such discharge complies with the substantive requirements of a SPDES permit.” OGC, DER, and DOW staff interpret that regulatory exemption to apply to the following programs: State Superfund, Brownfield Cleanup, and RCRA Corrective Action programs.

Thus, DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. The additional conditions identify the appropriate DER contact person who will receive all effluent results, engineering submissions, and modification requests. The Regional Water Engineer should be kept apprised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please email Nicholas Mustico at [nicholas.mustico@dec.ny.gov](mailto:nicholas.mustico@dec.ny.gov).

Attachment (Effluent Limitations and Monitoring Requirements)

cc: Region2 Regional Water Engineer (via email, w/attach)  
BWP Section Chief, DOW (via email, w/attach)

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## Division of Environmental Remediation, Region 2

One Hunters Point Plaza, Long Island City, New York, 11101-5407

Phone: (718) 482-4933

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## Steiner Sequel Project Site Remediation

### Wastewater Discharge SPDES Permit Equivalent

DRAINAGE BASIN: 17 / 01

DER Site No: C224330

Effective Date: 7/26/23

Expiration Date: 7/25/28

Modification Date(s):

#### Discharger Name and Address:

Roux Environmental Engineering and Geology, DPC

ATTN: Frank Cherena

47-40 21<sup>st</sup> Street

Long Island City, NY 11101

Contact Phone # 631-232-2600

Contact email: FCherena@Rouxinc.com

is authorized to discharge from the facility described below:

Steiner Sequel

5000 1st Avenue, Brooklyn, NY

### EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS

OUTFALL	DISCHARGE TYPE	LATITUDE/ LONGITUDE	RECEIVING WATER and CLASS	EFFECTIVE	EXPIRING
001	Treated Groundwater Remediation Wastewater	40° 39' 9.83" N 74° 1' 16.05" W	Bay Ridge Channel, Class SB	7/26/2023	7/25/2028

The discharges from the treatment facility shall be limited and monitored by the operator as specified below:



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Outfall and Parameters	CAS No.	Monthly Avg. Limits	Daily Max Limits	Units	Minimum Monitoring Requirements		FN
					Measurement Frequency	Sample Type	
<b>Outfall 001</b>							
Flow	NA	Monitor	100	MGD	Continuous	Recorder	-
pH	NA	6.5	8.5	SU	Weekly	Grab	1
Oil and Grease	NA	Monitor	15	mg/l	Weekly	Grab	1
Total Suspended Solids	NA	10	10	mg/l	Weekly	Grab	1
Arsenic, Total	07440-38-2	Monitor	315	µg/L	Weekly	Grab	1
Cadmium, Total	07440-43-9	Monitor	39	µg/L	Weekly	Grab	1
Chromium, Total	07440-47-3	Monitor	270	µg/L	Weekly	Grab	1
Copper, Total	07440-50-8	Monitor	28	µg/L	Weekly	Grab	1
Lead, Total	07439-92-1	Monitor	40	µg/L	Weekly	Grab	1
Nickel, Total	07440-02-0	Monitor	41	µg/L	Weekly	Grab	1
Zinc, Total	07440-66-6	Monitor	330	µg/L	Weekly	Grab	1
Mercury, Total	07439-97-6	Monitor	0.05	µg/L	Weekly	Grab	2
Chloroform	00067-66-3	Monitor	100	µg/L	Weekly	Grab	1
1,1-Dichloroethane	00075-34-3	Monitor	10	µg/L	Weekly	Grab	1
Tetrachloroethylene	00127-18-4	Monitor	5	µg/L	Weekly	Grab	1
1,1,1-Trichloroethane	00071-55-6	Monitor	10	µg/L	Weekly	Grab	1
cis-1,2-Dichloroethylene	00156-59-2	Monitor	10	µg/L	Weekly	Grab	1
PFOS/PFOA	NA	Monitor	Monitor	µg/L	Weekly	Grab	3

## Footnotes:

1. The measurement frequency of parameters listed on this page shall be Weekly following a period of 12 (twelve) consecutive weekly sampling events showing no exceedances of the stated discharge limitations. If discharge limitation of any parameter listed on this page exceeds the stated limit, the measurement frequency for all parameters listed on



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this page shall again be weekly, until a period of four consecutive sampling events showing no exceedances at which point monthly monitoring may resume.

2. Mercury shall be analyzed using USEPA Method 1631.
3. PFOA/PFOS: The Department is developing a technology based effluent limit (TBEL) for Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonic acid (PFOS). The design for this treatment system should account for the potential need to incorporate additional treatment technologies based on finalization of that TBEL
4. The Department is currently collecting data to inform pollutant inventories used to develop future water quality based effluent limitations (WQBELs) on a watershed basis. Additionally, the Department is also developing a technology based effluent limit (TBEL) for Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). The design for this treatment system should account for the potential need to incorporate additional treatment technologies based on finalization of these efforts.
5. Sampling for PFOA and PFOS shall use EPA draft method 1633 or other method specified by DER.

### **Additional Conditions:**

1. Discharge is not authorized until such time as an engineering submission showing the method of treatment is approved by the Department. The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

Wendi Zheng  
Division of Environmental Remediation  
One Hunters Point Plaza, 47-40 21<sup>st</sup> Street, Long Island City, NY 11101  
Tel: 718-482- 7541  
Email: [wendi.zheng@dec.ny.gov](mailto:wendi.zheng@dec.ny.gov)

With a copy sent to:

Regional Water Engineer/Manager, Region 2  
One Hunters Point Plaza, Long Island City, New York, 11101-5407 Phone:  
(718)482-4933  
Email: [Selvin.southwell@dec.ny.gov](mailto:Selvin.southwell@dec.ny.gov)

2. Samples and measurements, to comply with the monitoring requirements specified above, must be taken from the effluent side of the final treatment unit prior to discharge to the receiving water body unless otherwise noted above.
3. Monitoring and analysis shall be conducted using sufficiently sensitive test procedures approved under 40 CFR Part 136 unless other test procedures have been specified in this permit.



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4. Only site generated wastewater is authorized for treatment and discharge.
5. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.
6. Any use of corrosion/scale inhibitors, biocidal-type compounds, or other water treatment chemicals used in the treatment process must be approved by the department prior to use.
7. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.



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## Monitoring Locations

