

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Permits
625 Broadway, Albany, New York 12233-3505
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MEMORANDUM

TO: Ian Beilby, DER
FROM: Peter Maier, DOW
SUBJECT: Oak Mitsui, Hoosick Falls (V)
DRAINAGE BASIN: 11-02 (Hoosic River)
DATE: July 25, 2019

Please find effluent limitations and monitoring requirements for the above noted remediation dewatering discharge.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent limitations and monitoring requirements, and approval of all engineering submissions. All effluent results, engineering submissions, and modification requests must be sent to the DER Project Manager identified in Footnote 1. 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 contact me at (518) 402-8103.

Attachment (Effluent Limitations and Monitoring Requirements)

ec: Derek Thorsland, Regional Water Engineer (w/attach)
Donald Canestrari, BWP Section Chief, DOW (w/attach)

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning **August 1, 2019** and lasting until **July 31, 2023** the discharges from the wastewater treatment facility (consisting of metering and carbon adsorption) to the Hoosic River, water index number H-264, Class C(T) shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Monthly Avg.	Daily Max.		Measurement Frequency	Sample Type
Outfall 001 - Treated Remediation Discharge (42° 54' 10", -73° 21' 19")					
Flow Rate	Monitor	28,800	GPD	Continuous	Recorder
pH (range)	6.0-9.0 (Range)		S.U.	1/month	Grab
Total Suspended Solids	Monitor	50	mg/L	1/month	Grab
Settleable Solids	Monitor	0.1	mL/L	1/month	Grab
Total Dissolved Solids	Monitor	Monitor	mg/L	1/month	Grab
Oil & Grease	Monitor	15	mg/L	1/month	Grab
Dissolved Oxygen	Monitor	6.0 (Minimum)	mg/L	1/month	Grab

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Monthly Avg.	Action Level		Measurement Frequency	Sample Type
Outfall 01A – Test Port between Lead GAC Unit and Lag GAC Unit					
Perfluorooctanoic acid (PFOA)	Monitor	* (See footnote 1)	ng/L	1/month	Grab
Perfluorooctanesulfonic acid (PFOS)	Monitor	* (See footnote 1)	ng/L	1/month	Grab

- (1) Monitoring for PFOS and PFOA shall use EPA Method 537, Version 1.1 and shall occur after the first of two granular activated carbon (GAC) filters in series. Upon receipt of analytical results for PFOS or PFOA with detectable levels at or above the Lowest Concentration Minimum Reporting Level (LCMRL), a confirmatory sample shall immediately be collected from the same location and analyzed to verify exceedance of the LCMRL action level.

If the confirmatory sample yields results for PFOS or PFOA at or above the EPA Method 537, Version 1.1 LCMRL, the lead GAC filter shall be replaced within 30 days of receipt of the confirmatory results, using the following step-wise procedure: the lead GAC filter shall be removed, the lag GAC filter shall become the lead filter, and a new GAC filter shall be installed in the lag position. If the lead GAC filter that had exceeded the action limit for PFOS or PFOA in the confirmatory sample is not changed out within 30 days of receipt of the sample results, discharge shall be temporarily ceased until GAC filter change out as noted above occurs.

If the confirmatory sample results are below the EPA Method 537, Version 1.1 LCMRL for PFOS and PFOA, sampling frequency will continue 1/month as indicated in the table above.

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:

Ian Beilby, P.E.
Chief, Section C (Special Projects Bureau)
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233-7013
(518) 402-9676

With a copy sent to:

Derek Thorsland, P.E.
Regional Water Engineer, Region 4
1130 North Wescott Road
Schenectady, NY 12306-2014
(518) 357-2219

2. Only site generated wastewater is authorized for treatment and discharge.
3. Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received six (6) months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.
4. Both concentration (mg/L, µg/L, or ng/L) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.
5. 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.
6. This discharge and administration of this discharge must comply with the substantive requirements of 6NYCRR Part 750.