

**City of Norwalk
Shellfish Commission Meeting
June 7, 2018
Minutes**

CALL TO ORDER 6:00 PM

ATTENDANCE

Commission: Pat DeVito, Steve Bartush, Pete Johnson, Steven Kvance

Staff: Thomas Closter

Police: Sgt. Pete LaPak

Advisory:

Guests: Geoff Steadman, Dr. John Pinto, Debora Goldstein, Chris Samorajczyk, John Hanifan, Lauren Digovanni, Christian Brown, Adam Fox, Kim Lesay, Robert Bell, John Romano, Joe Schnierlein, Julie Georges, Chet Muckenhirn, Tony Mobilia

PUBLIC COMMENT

Representatives from the Department of Transportation spoke about a test pile program regarding construction activity for the temporary installation and removal of piles from former marina located southeast of the Walk Bridge. The benefits will be to monitor and assess noise data and vibration, determine construction requirements and establish guidelines, verify geotechnical calculations and assumptions and remove retired marina docks and piles. This will improve access for construction activities and alleviate safety concerns with current trespass. Work is permitted and will begin in the summer of 2018.

Also discussed was the CP-243 Submarine Cable Commitments. Excavation and backfill will take place during December and January and will only take place during slack and incoming tides and will be contained within turbidity curtains.

Shellfish Commissioners brought up several concerns including a program to monitor water quality during the project, testing, filtration, monitoring turbidity, dredging, dewatering, silt curtains, and the use of Danforth type anchors, activities performed only during incoming and slack tides and future of the visitor's dock.

Motion by Commissioner Bartush, second by Commissioner DeVito to approve application with vibratory alternate methods and extraction only occurring during slack and incoming tides. Unanimous Vote.

MINUTES OF LAST MEETING

May Minutes approved with one correction by Comm. DeVito, 2nd by Comm. Bartush. Unanimous Vote. Commissioner Bartush discussed a recent story involving a cluster of norovirus-like illness associated with consuming raw oysters in Oregon and British Columbia.

TREASURER

Comm. DeVito reports:

	NAME	DATE	AMOUNT	REASON
BALANCE		4/30/18	\$22,285.72	

PAGE 2 OF 3

DEPOSIT			\$	
INTEREST	May		\$	6.00
EXPENSES	Frontier	5/19 to 6/18	(\$ 70.94)	Phone

BALANCE		5/31/18	\$22,220.78
	Last Year	5/31/17	\$19,960.49
	Two Years Ago	5/31/16	\$13,908.90

SECRETARY

Commissioner Johnson reiterated his concerns to establish a program to monitor water quality during the Walk Bridge project.

COMMITTEES

HEALTH DEPT

Mr. Closter reports: 3.19 inches of rain in May. Average since 1987 is 4.48 inches of rain for May. There were 502 calls in May. There were two closures for Cooke's Ground for over .5 inch on May 16 & 19, 2018. There were no closures in the CAA (1-1.49 inches) and CAA1DN (over 1.5 inches) for May 2018.
There were no reports of a bypass for May.

WASTEWATER

No Report

WATER QUALITY

Debora Goldstein spoke regarding concerns that there appears to be no intent to appoint members to the Water Quality Committee. Discussions took place regarding forming an ad hoc committee between the Shellfish Commission and Harbor Management Commission. Joe Schnierlein talked about different water sampling labs and techniques. Harbor Management will look at by laws.

PERMITS

Commissioner DeVito said Fisherman's World is selling permits for 2018.

POLICE

Sgt. LaPak reports 14 hours of patrol for May with no violations. Officer Lovallo will look into boat supplies for the Shellfish boat to be shared with the Harbor Management Commission. Possible use of drones was discussed to aid the Marine Division.

ADVISORY

Water temperature reported at 60 degrees.

HARBOR MANAGEMENT

Geoff Steadman talked about a grant that Westport/Weston Health District received for microbial source tracking at Sasco Brook.

PAGE 3 OF 3

Motion to accept committee reports by Commissioner Bartush, second by Commissioner Kvance. Unanimous Vote.

OLD BUSINESS

None

NEW BUSINESS

Commissioner Bartush discussed Washington State recent shellfish opioid testing and methods and Thomas Closter talked about a drug deactivation system called Deterra that can neutralize pills, liquids and patches for disposal.

Commissioner Bartush discussed the Department of Energy and Environmental Protection Permit Consultation Form submitted by James Bajek on behalf of Dupre Cochran for a private recreational dock in the Five Mile River at 47 Rowayton Avenue. The overall length of the dock will be approximately 76 feet from the shoreline and the end of the float will be approximately 60 feet from the federal navigation channel.

After discussion a motion was made by Commissioner Bartush, second by Commissioner DeVito (all in favor) to approve plans as submitted pending the following:

- 1) Five foot high pier**
- 2) Winter removal of docks**
- 3) Removal of barge at low tide**
- 4) Moorings to be approved by Five Mile River Superintendent**
- 5) 18 inch dock stops**
- 6) Pier less than 40 feet**

Geoff Steadman read into the record a joint letter and joint meeting proposal by Shellfish Commission and Harbor Management Commission to Eversource to continue discussion of the proposed Eversource transmission line relocation project affecting Norwalk Harbor. Both Commission's object to that portion of the proposed relocation route that would breach the recently rebuilt Norwalk Visitor's Dock, public boat ramp and parking area at the Dunavan Boating Center. The letter suggests a Special Meeting date of June 27, 2018 at Norwalk City Hall at 5:00pm

NEXT MEETING: Thursday, July 5, 2018 @6:00pm Health Department Library.

ADJOURNMENT: Moved by Commissioner DeVito, second by Commissioner Bartush, Vote Unanimous 8:35 PM

Minutes by Thomas Closter



Environmental Permitting Fact Sheet

Reissued General Permit for Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater

Permit Overview

This general permit is issued under the authority of, and administered by the Department of Energy and Environmental Protection's (DEEP) Bureau of Materials Management and Compliance Assurance. DEEP uses both individual and general permits to regulate wastewater discharge activities. Individual permits are issued directly to an applicant, whereas general permits are issued to authorize similar activities by one or more applicants throughout a prescribed geographic area. A general permit sets terms and conditions for conducting an activity which, when complied with, are protective of the environment. General permits represent a streamlined process to permit specific activities and are more cost-effective for both the DEEP and the registrant.

This general permit will only apply to discharges of "miscellaneous sewer compatible wastewater" (as defined below), either discharged directly to a Publicly Owned Treatment Works (POTW) or transported there by vehicle.

"POTW" means publicly owned treatment works as defined by section 22a-430-3(a) of the Regulations of Connecticut State Agencies.

"Miscellaneous sewer compatible wastewater" or "MISC wastewater" means any wastewater discharge that is NOT subject to Federal Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR chapter I, subchapter N as amended. Domestic sewage including septage or sewage from portable sources, vehicle maintenance wastewater, and groundwater remediation wastewater are excluded from this definition. MISC wastewater includes but is not limited to air compressor condensate & blowdown, boiler blowdown, building maintenance wastewater, commercial laundry wastewater, contact cooling & heating water, cutting & grinding wastewater, fire suppression system testwater, food processing wastewater, hydrostatic pressure testing wastewater, non-contact cooling water, non-destruct testing rinsewater, printing and photographic processing wastewater, tumbling & cleaning wastewater, and water treatment wastewater.

Authorizing Statutes

Section 22a-430b of the General Statutes.

Discharges authorized by this general permit

The reissued *General Permit for Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater* (MISC general permit) combines the authority to discharge wastewater from ten former DEEP issued general permits into one. It is important to note that all of these discharges are only allowed to a POTW and must not be subject to Federal Categorical Standards (such as metal finishing).

Registration and Fees

This reissued general permit *does not require* renewal registrations or fees for existing registrants.

For new registrants, the wastewater discharge categories below and the table following those categories characterize the registration and fee requirements:

Group I Discharges

- Air compressor condensate & blowdown
- Boiler blowdown
- Contact cooling & heating water
- Cutting and grinding wastewater
- Non-destruct testing rinsewater
- Printing and photo processing wastewater
- Tumbling and cleaning wastewater
- Water treatment wastewater
- Other processing wastewater

Group II Discharges

- Non-contact cooling water
- Hydrostatic pressure testing wastewater
- Commercial laundry wastewater
- Food processing wastewater
- Reverse osmosis reject water

Group III Discharges

- Building maintenance wastewater
- Fire suppression testing wastewater
- Swimming pool wastewaters
- Potable water system maintenance or sampling wastewaters

Group IV Discharges--Discharges are hauled by a Connecticut licensed transporter to a POTW that has already been approved by DEEP to accept over-the-road wastewater.

Registration Required?	Discharge Group	Total Max. Daily Flow	Fees ¹
No Registration	I	< 1,000 gpd	\$0
	II	< 5,000 gpd	
	III	All Flows	
Registration Only	I (w/o treatment)	1,000 ≤ Flow < 25,000 gpd	\$500
	II (w/o treatment, excluding NCCW, reverse osmosis reject water (RORW))	5,000 ≤ Flow < 25,000 gpd	
	II (NCCW, RORW)	Flow ≥ 5,000	
	IV (w/o treatment)	All Flows	
Registration with Approval	All discharges requiring variance	All Flows	\$1,000
	I (w/treatment)	1,000 ≤ Flow < 25,000 gpd	
	II (w/treatment excluding NCCW, RORW)	5,000 ≤ Flow < 25,000 gpd	
	IV (w/treatment)	All Flows	
	I, II (w/ or w/o treatment excluding NCCW, RORW)	Flow ≥ 25,000	

¹Municipalities will receive a 50% discount on fees.

Effluent limits found in the Miscellaneous General Permit are exhibited in Table 5-1 below:

Effluent Limits

Table 5-1 Effluent Limits¹

Pollutant	Maximum Instantaneous Concentration	Pollutant	Maximum Instantaneous Concentration
Conventional Pollutants	mg/l	Metals and Other Pollutants	mg/l
Biochemical Oxygen Demand (BOD ₅)	600.0 ²	Lead, Total	0.5
Total Suspended Solids (TSS)	600.0 ²	Nickel, Total	2.0
Ammonia-Nitrogen	50.0 ³	Silver, Total	0.5 ⁵
Nitrate-Nitrogen	50.0 ³	Tin, Total	4.0
Total Fats, Oils and Grease ⁴	100.0	Zinc, Total	2.0
Organic Pollutants	mg/l		
Total Volatile Organics	5.0	Antimony, Total	4.0
Formaldehyde	10.0 ³	Arsenic	0.10
Methylene Chloride	1.0	Beryllium, Total	2.0
Phenols, Total	10.0	Cobalt, Total	4.0
Phthalate Esters	2.0	Mercury, Total	0.0002
Polynuclear Aromatic Hydrocarbons	0.5	Molybdenum, Total	4.0
Ethylene Glycol	300.0 ³	Selenium, Total	0.5
Propylene Glycol	300.0 ³	Strontium, Total	2.0
Metals and Other Pollutants	mg/l	Thallium, Total	2.0
Cadmium, Total	0.5	Titanium, Total	4.0
Chromium, Total	2.0	Vanadium, Total	2.0
Copper, Total	2.0	Zirconium, Total	2.0

¹These effluent limits do not apply to residuals generated by water treatment facilities that are transported to the solids handling portion of a POTW.

²This pollutant concentration may be exceeded provided that the total mass loading (flow x concentration) of such pollutant discharged to the receiving POTW does not exceed 100.0 lbs/day or 2% of the POTW's design loading, whichever is less. This limit does not apply to discharges of Food Processing Wastewater or Water Treatment Wastewater.

³For ammonia-nitrogen, nitrate-nitrogen, formaldehyde, ethylene glycol, or propylene glycol, the pollutant concentration may be exceeded provided that the total mass loading (flow x concentration) of each pollutant discharged to the receiving POTW does not exceed 10.0 lbs/day.

⁴For food processing wastewaters only, use EPA Method 1664, Rev. A reporting as Total Oil & Grease. For all other wastewaters use EPA Method 1664, Rev A reporting as Total Petroleum Hydrocarbons.

⁵For photographic processing wastewaters only, if maximum daily flow is less than 100 gallons per day, the silver effluent limit is 5.0 mg/l. For flows greater than 100 gpd, the silver limit is 2.0 mg/l.

POTW Specific Pollutant Limits—Because pollutant loading at a POTW varies across the state and some POTWs have greater capacities to handle problem pollutants, some POTW specific pollutant limits were established for some of the most common problem pollutants and are found in Appendix D of the general permit. These POTW Specific Pollutant Limits only apply to registrants with total maximum daily flows greater than 5000 gpd.

Other Conditions

Other conditions that apply to all discharges include the following:

- Wastewater discharged under the authority of this general permit shall not contain any chemical additive containing any substance listed in Appendix B, Table II, III, or V or Appendix D of Section 22a-430-4 of the Regulations of Connecticut State Agencies, other than a substance for which an effluent limit is specified in Table 5-1 of this section or as otherwise approved by the commissioner in accordance with Section 6(a) of this general permit.
- Wastewater discharged under the authority of this general permit shall have a pH of no less than 5.0 and no more than 12.0 standard units.
- The temperature of wastewater discharged under the authority of this general permit shall not interfere with or inhibit biological activity in the receiving POTW or be more than 150 degrees Fahrenheit (65 degrees Centigrade) at the first manhole downstream of the site or cause the temperature of the headworks at the receiving POTW to exceed 104 degrees Fahrenheit (40 degrees Centigrade).
- The use or addition of water to dilute a discharge of wastewater in order to meet any effluent limit or condition of this general permit is prohibited.

Treatment

Treatment shall be required for any pollutant capable of exceeding the limits listed in this general permit.

For any photoprocessing discharge where silver is a known or suspected pollutant, a silver recovery system must be installed.

Professional Certification

For any discharge requiring treatment to meet the limits and/or conditions of this general permit, either a Professional Engineer (PE) licensed in the state of Connecticut, or a Certified Hazardous Manager (CHMM) for certain pre engineered treatment systems, must certify that the treatment system has been designed and properly installed and that proper operation and maintenance will ensure that all effluent limits specified in the general permit are met.

For any discharge with a maximum daily flow greater than 25,000 gallons per day, a Qualified Professional Engineer, or a Qualified Certified Hazardous Manager (for certain pre-engineered treatment systems), as defined in this general permit, must certify that the discharge will meet all limits and conditions of the general permit.

Parameter Monitoring

Tables 5-2a and 5-2b in the general permit indicate monitoring parameters for various categories of flow, the most common being pH, total suspended solids, oil & grease, copper, lead, and zinc. Registrants must also monitor for any parameters specified in Table 5-1 that are known or suspected to be present in the discharge.

The monitoring and reporting frequencies, based on discharge group and maximum daily flows, are exhibited in Table 5-3 below:

Table 5-3 Monitoring and Reporting Frequencies

Discharge Group	Total Maximum Daily Flow Thresholds ¹ per Category of Wastewater	Frequency of Monitoring	Electronic Reporting Required ²
I ³	$1,000 \text{ gpd} \leq \text{Flow} < 5,000 \text{ gpd}$	Quarterly	No
	$5,000 \text{ gpd} \leq \text{Flow} < 10,000 \text{ gpd}$		Yes
	$\text{Flow} \geq 10,000 \text{ gpd}$	Monthly	Yes
II, (NCCW, Hydrostatic Pressure Testing Wastewater, RORW)	$\text{Flow} < 5,000 \text{ gpd}$	None	No
	$\text{Flow} \geq 5,000 \text{ gpd}$	Quarterly	No
II, (Food Processing, Commercial Laundry)	$\text{Flow} < 25,000 \text{ gpd}$	None	No
	$\text{Flow} \geq 25,000 \text{ gpd}$	Quarterly	Yes
III	All Flows	None	No
IV	All Flows	Same as corresponding Group I, II, or III designation for such discharge	Yes, if Max Daily Flow $\geq 5,000 \text{ gpd}$

¹Discharges less than 1000 gpd do not have a prescribed monitoring frequency, but must comply with the effluent limits of Section 5(a)(1). The permittee should maintain records of monitoring data that the permittee believes is representative of the current discharge.

²Note: Report to DEEP electronically via NetDMR.

³For water treatment wastewaters associated with annual or semi-annual maintenance cleaning of clarifier tank, settling lagoon, or other large tanks which may discharge greater than 50,000 gallons per day, samples shall be taken from the first 10% and last 10% of the discharge and analyzed separately. Such discharges shall not be counted toward the total maximum daily flow when determining monitoring frequency. For all other water treatment wastewater discharges greater than 10,000 gpd, if the discharge lasts longer than four hours, two grab samples shall be taken at least four hours apart and composited.

Flow Monitoring	Flow monitoring will be required for discharges greater than 1000 gpd according to the frequency in Table 5-3. Discharge flows of greater than 5000 gpd will be measured by means of a flow meter capable of measuring, visually indicating and recording instantaneous and total daily flow.
pH Monitoring	pH monitoring will be required for discharges according to the category and frequency in Table 5-3. If pH adjust is necessary, registrant must comply with section 22a-430-3(q) of the Regulations of Connecticut State Agencies which requires continuous pH monitoring..
Recordkeeping	Registrants must keep records for all parameters monitored which include total daily flow, a description of the process or activity which generated the discharge, analytical results and sample chain of custody
Reporting Requirements	For new registrants, one screening analysis from the testing of a sample taken within 90 days of registration for pollutants specified by Section 5(a)(1) of this general permit shall be submitted with the registration form. For any discharge with a total flow greater than 5,000 gpd,

excluding noncontact cooling water and hydrostatic pressure testing discharges, results of chemical analyses shall be reported to the Bureau of Materials Management and Compliance Assurance electronically using the U.S. EPA NetDMR website at the same frequency as the monitoring frequency for that flow.

General Conditions

The general permit also contains general operating conditions that:

- encourage water conservation, chemical substitution and reuse, and pollution prevention.
- requires that discharges are in conformance with the sewer use ordinance of the municipality receiving the discharge
- the discharge shall be totally enclosed in piping from the source to a POTW unless operating conditions require otherwise. Best management practices shall be used for chemical and fuel storage to prevent spillage that could be received by floor drains, trenches, etc.
- any spill or release or leakage of any chemical liquid shall be immediately cleaned up and disposed of in accordance with all applicable state and federal law.
- require that wastewater discharged under the authority of this general permit must not
 - cause corrosive, structural damage to the receiving POTW
 - interfere with or disrupt the operations of the receiving POTW
 - create unhealthy or unsafe conditions at the receiving POTW
 - contain any chemical, solvent, or other substance which is a hazardous waste under 40 CFR 261, Subparts C and D, unless the concentration of such substance complies with the effluent limits specified in Section 5(b) of this general permit.
 - contain substances which may cause foaming at the receiving POTW

Collection and Transport of Wastewater from Unsewered Areas

The general permit contains requirements for the proper storage and transport of wastewaters from areas that do not have direct access to a sanitary sewer.

Permit Duration

This general permit shall expire on October 30, 2020.

Transfer

An authorization under this general permit is transferrable only in accordance with the provisions of section 22a-60 of the General Statutes.

Contact Address

WATER PERMITTING AND ENFORCEMENT DIVISION
BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127
860-424-3025

This overview is designed to answer general questions and provide basic information. You should refer to the appropriate statutes and regulations for the specific regulatory language of the different permit programs. This document should not be relied upon to determine whether or not an environmental permit is required. It is *your* responsibility to ensure that all required permits have been obtained.

Appendix A: DISCHARGES TO SURFACE WATERS

Toxic, Hazardous and Other Pollutants and Their Maximum Concentrations

The Maximum Concentration For Each Pollutant or Pollutant Parameter, As Specified Below, Shall Not Be Exceeded:

(If the Minimum Level for a pollutant or pollutant parameter is higher than the stated limit for that pollutant or pollutant parameter, the limit shall be "ND <Minimum Level".)

Volatile Organic Compounds

Combined Total of All Individual Compounds Shall Not Exceed 10 µg/l for all Discharges to Receiving Waters with a Water Quality Classification or Goal of A or SA

Combined Total of All Individual Compounds Shall Not Exceed 50 µg/l, and 1,1,2 Trichloroethane shall not exceed 42 µg/l for all Discharges to Receiving Waters with a Water Quality Classification or Goal of B or SB

MTBE Shall Not Exceed 70 µg/l

Total Petroleum Hydrocarbons

Total Petroleum Hydrocarbons Shall Not Exceed 5.0 mg/l

Solids

Total Suspended Solids Shall Not Exceed 30 mg/l

Phthalate Esters

Phthalate Ester	Maximum Concentration (µg/l)
Bis(2-ethylhexyl)phthalate	Bis(2-ethylhexyl)phthalate 5.9 µg/l Combined Total of All Phthalates Shall Not Exceed 100 µg/l
Benzyl butyl phthalate	
Di-n-butyl phthalate	
Diethyl phthalate	
Dimethyl phthalate	
Di-n-octyl phthalate	

Base Neutral and Acid Extractables (BNA)

The Combined Total of All BNAs, Including Tentatively Identified Compounds, but Excluding Phenols* and PAHs* Shall Not Exceed 10.0 µg/l.

* Excluded Compounds Referenced Below

In addition, the Maximum Concentration For Each Compound Specified Below Shall Not Be Exceeded:

BNA's (Excludes Phenol and PAHs)	Maximum Concentration (µg/l)
Benzidine	ND
3,3 dichlorobenzidine	ND
Hexachlorobenzene	ND

Phenols

Phenol	Maximum Concentration (µg/l)
2-sec-Butyl-4, 6-dinitrophenol (DNBP)	Combined Total of All Phenols Shall Not Exceed 5.0 µg/l
4-Chloro-3-methylphenol	
2-Chlorophenol	
Cresols (methyl phenols)	
2-Cyclohexyl-4, 6-dinitrophenol	
2,4-Dichlorophenol	
2,6-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2-Methyl-4, 6-dinitrophenol	
2-Nitrophenol	
4-Nitrophenol	
Pentachlorophenol	
Phenol	
Tetrachlorophenols	
Trichlorophenols	
2,4,6-Trichlorophenol	

Polynuclear Aromatic Hydrocarbons (PAHs)

The Combined Total of All PAHs Shall Not Exceed 5.0 µg/l and the Maximum Concentration For Each Compound Specified Below Shall Not Be Exceeded:

PAH	Maximum Concentration (µg/l)
Acenaphthene	
Acenaphthylene	
Anthracene	
Benzo(a)anthracene	0.49 µg/l
Benzo(a)pyrene	0.49 µg/l
Benzo(b)fluoranthene	
Benzo(j)fluoranthene	
Benzo(k)fluoranthene	0.49 µg/l
Benzo(ghi)perylene	
Chrysene	
Dibenzo(a,h)acridine	
Dibenzo(a,j)acridine	
Dibenzo(a,h)anthracene	0.01 µg/l
H-Dibenzo(c,g)carbazole	
Dibenzo(a,e)pyrene	
Dibenzo(a,h)pyrene	
Dibenzo(a,i)pyrene	
Fluoranthene	
Fluorene	
Indeno(1,2,3-cd)pyrene	0.49 µg/l
3-Methylcholanthrene	
Naphthalene	
Phenanthrene	
Pyrene	

Organochlorine Pesticides

(For any maximum concentration that is below the minimum level of the approved methodology, the maximum concentration shall be "ND < minimum level")

Pesticide	Maximum Concentration (µg/l)
Aldrin	ND
Alpha-BHC	ND
Beta-BHC	ND
Delta-BHC	ND
Gamma-BHC (Lindane)	ND
Chlordane (technical)	ND
4,4'-DDD	ND
4,4'-DDE	ND
4,4'-DDT	ND
Dieldrin	ND
Endosulfan I	ND
Endosulfan II	ND
Endosulfan sulfate	ND
Endrin	ND
Endrin aldehyde	ND
Heptachlor	ND
Heptachlor epoxide	ND

Chlorinated Herbicides

Herbicide	Maximum Concentration (µg/l)
2,4,-D	Combined Total of 2,4-D plus 2,4-DB Shall Not Exceed 50 µg/l
2,4-DB	
2,4,5-T	ND
2,4,5-TP (Silvex)	ND
Dicamba	ND

PCBs

PCB	Maximum Concentration (µg/l)
PCB-1016	Combined Total of All PCBs Shall Not Exceed 0.1 µg/l and no individual compound shall exceed 0.00017 µg/l
PCB-1221	
PCB-1232	
PCB-1242	
PCB-1248	
PCB-1254	
PCB-1260	
OTHER PCB's	

If other PCBs have been used or stored on-site or there is reason to believe they may be present, analyze each compound (congener) in addition to the seven listed PCB mixtures.

Metals

Metals	Maximum Concentration (µg/l)	
	10 to 1 Dilution	100 to 1 Dilution
Arsenic	0.021 µg/l	0.021 µg/l
Beryllium	2.6 µg/l	24.8 µg/l
Cadmium	10.0 µg/l	95.9 µg/l
Chromium	342 µg/l	1000 µg/l
Copper	48 µg/l	480 µg/l
Lead	9.8 µg/l	93.6 µg/l
Hexavalent Chromium	79.4 µg/l	79.4 µg/l

Metals	Maximum Concentration (µg/l)	
	10 to 1 Dilution	100 to 1 Dilution
Mercury	ND	ND
Nickel	235 µg/l	1000 µg/l
Selenium	40 µg/l	390 µg/l
Silver	5.0 µg/l	48 µg/l
Zinc	322 µg/l	1000 µg/l

Dilution is calculated as the ratio 7Q10 flow of the receiving water and maximum daily flow of the discharge (7Q10 / maximum flow). Dilution in tidal waters shall be determined by the Department on a case by case basis.

OTHER SUBSTANCES:

Pollutant	Maximum Concentration	
	10 to 1 Dilution	100 to 1 Dilution
Ammonia	1.5 mg/l	1.5 mg/l
Chlorine	0.09 mg/l	0.8 mg/l
Cyanide	43 µg/l	406 µg/l
Amenable Cyanide	43 µg/l	100 µg/l

Radioactivity:

Except as authorized in an Approval of Registration issued pursuant to Section 3(b)(1)(B)(vi) of this general permit, the concentration of radon in the discharge shall not exceed naturally occurring background concentration.

Discharge of wastewater impacted by any other radiological sources, or from sites specified in Section 3(b)(1)(B)(vi) of this general permit shall be conducted as authorized by an Approval of Registration issued pursuant to Section 3(b)(1)(B)(vi) of this general permit *and* with the applicable 10 CFR 50.36a "Technical specifications on effluents from nuclear power reactors" plus 10 CFR 20 Appendix B "Standards for Protection Against Radiation" and 40 CFR 190, "Environmental Radiation Protection Standards For Nuclear Power Operations".