

# City of Marlborough **Department of Public Works Water and Sewer Division** 135 Neil Street Marlborough, MA 01752

March 17, 2022

To: All Significant Industrial Users

This letter pertains to any industry in the City of Marlborough or Northborough that is considered a significant industrial user according to the Marlborough sewer use regulations Section 161-1A.

SIGNIFICANT USER - Any user of the city's wastewater treatment system who has a discharge flow of five thousand (5,000) gallons or more per average workday; has a flow greater than five percent (5%) of the flow in the city's wastewater treatment system; has in his wastes toxic pollutants as defined pursuant to Section 307 of the Act, or the General Laws of the Commonwealth; or is found by the city, Department of Environmental Protection or the United States Environmental Protection Agency (EPA) to have significant impact, either singly or in combination with other contributing users, on the wastewater treatment system, the quality of sludge, the system's effluent quality or air emissions generated by the system.

As outlined in Section 161-7A(1), of the Marlborough sewer use regulations, effective January 1, 2015 applications for industrial discharge permits to the city of Marlborough wastewater treatment system must include a \$1000.00 permit fee in the form of a check made payable to the City of Marlborough.

Should you have any questions about the permit fee for industrial users please do not hesitate to contact me.

Sincerely,

Tyler Haskins

IPP and FOG Coordinator 508-624-6910 Ext. 33405

Jyle Han

thaskins@marlborough-ma.gov

# **Daily Industrial Limits**

Parameter	Units	Daily Maximum Limits	Sample Type
Aluminum	mg/l	NLS	С
Ammonia, nitrogen	mg/l	50	C
Antimony	mg/l	NLS	C
Arsenic	mg/l	0.42	С
Beryllium	mg/l	0.12	С
BOD5	mg/l	350	С
Cadmium	mg/l	0.1	С
Chromium	0.		C
	mg/l	0.77	_
COD	mg/l	NLS	С
Copper	mg/l	0.3	С
Cyanide	mg/l	0.45	G
Flow, Process**	gpd		D
Flow, Total	gpd		С
Lead	mg/l	0.1	С
Mercury	mg/l	0.0007	С
Nickel	mg/l	0.6	С
Oil and Grease	mg/l	100	G
рН	SU	6.0-10.5	D
Phenol	mg/l	NLS	G
Selenium	mg/l	0.81	С
Silver	mg/l	0.25	С
Thallium	mg/l	0.93	С
Total Phosphorus Total Toxic	mg/l	25	С
Organics*	mg/l	2.13	G/C
TSS	mg/l	350	С
Zinc	mg/l	3.7	С

All Parameters will be tested at the Most Stringent Limit

Abbreviations: C = Composite, G = Grab, D = Daily, NLS = No Limit Set, M= Monthly, Q= Quarterly, S= Semiannual, Y=Yearly (Annually)

<sup>\*</sup>TTO will sampled as CFR 40-433.11 with 624 as a grab sample and the 625 and 608 as a composite sample  $\frac{1}{2}$ 

<sup>\*</sup>All TTO Parameters above 0.01 mg/L shall be added toward the 2.31 Daily Maximium Limit

<sup>\*\*</sup>Measured at Outfall



# City of Marlborough Department of Public Works Water and Sewer Division 135 Neil Street Marlborough, MA 01752

## **APPLICATION FOR INDUSTRIAL WASTEWATER DISCHARGE PERMIT**

This application should be signed by the appropriate official and submitted **with** the Industrial Waste Questionnaire and the Baseline Monitoring Report to the Industrial Pretreatment Coordinator. For **reapplication** the above information must be received at least one hundred eighty (180) days before the current permit expires.

1.	Name of Applicant:
2.	Industry Name:
3.	Industry Address:
4.	Industry Phone Number
	nd that the above industry cannot discharge industrial wastewater without an Industrial Wastewater Discharge Permit.
SIGNAT	URE OF APPLICANT: DATE:
Send this	Application to: Tyler Haskins Marlborough Water and Sewer Division 135 Neil Street Marlborough MA 01752

If you have any questions concerning this application process, please call me at 508-624-6910 ext 33405.

# INFORMATION REQUIREMENTS FOR BASELINE MONITORING REPORT

Facili	Address:		Ado			
[ <b>.</b>		formation already submitted  Has a baseline report containing facility? Yes, No,  to	information l	vide date of sul	bmission and the agency	
	2.	Has your firm supplied the information.  If the answer is "yes" to either of the information.	state date of y	your submissions above, then	industrial waste survey a and the agency request	s part of ing the wing
II.		questions. Instead, attach a copy aseline monitoring report informa Briefly describe the products pr	tion oduced and ma			nd return. operation
	2.	Production rate:		3. SIC code:		
		Facility diagram: Attach a copy cluding points of discharge to the	-	-	atic diagram of all regula	ted process
	5.	Wastewater flow measurement Regulated process (Type)	-	-	Estimate or measured (E/M)	
		Non-Regulated process (Type)	Daily ave. (gal/day)	Daily max. (gal/day)	Estimate or measured (E/M)	

6. Measurement of pollutants: Attach the most recent results from the sampling and analysis during normal working hours of all regulated process streams including the following information:

- a. Sample type (i.e. flow proportional, composite, grab)
- b. Frequency of samples
- c. Time, date, and location of sampling event
- d. Method of analysis

- e. Comparison of results with applicable pretreatment standards
- f. If alternate limits (i.e., combined waste stream formula) are calculated, include the limit and all supporting data.

7.	Certification: Are pretreatment standards for your industry being met on a consistent basis by this facility? Yes, No If "yes" go to question 9.
8.	If the answer to number 7 is "no", will additional pretreatment and/or operations and maintenance be required for this facility to meet the pretreatment standards?  Yes, No If "no" explain the reason for non-compliance
	If "yes" attach a description of the required pretreatment and/or operations and maintenance to gain compliance, and include a schedule of dates for commencement and completion of events leading to the construction and operation of this additional pretreatment.
9.	List any other environmental control permits held by this facility.
attachi inform am aw	personally examined and am familiar with the information submitted on this form and ments. Based upon my inquiry of those individuals immediately responsible for obtaining the action reported herein, I believe that the submitted information is true, accurate and complete. I are that there are significant penalties for submitting false information, including the possibility and/or imprisonment.
Date	Signature of Official (seal if applicable)

#### INSTRUCTIONS FOR BASELINE MONITORING REPORT

#### General

Both the facility name and address and the owner or operator name and address should be given.

## **Specific Questions**

- I.1. If yes is answered to this question, be sure to attach a copy of the material you submitted.
- I.2. See instructions for question 1.
- II.1. Briefly describe the nature of the business or service performed at this facility. This description should include all manufacturing processes, including those not related to the categorical industry (use additional sheets if necessary).
- II.2. Give the production rate of this facility (usually given as an annual average production or monthly average).
- II.3. Provide the appropriate Standard Industrial Classification (SIC) Code for this facility.
- II.4. Self- explanatory
- II.5. Provide average and maximum waste flows from all regulated process streams. If process waste streams are combined either with other process waste streams, or non-process (sanitary, cooling water, etc.) waste streams, these individual flow rates should be given.
- II.6. Each industrial user will sample, analyze, and report on all regulated pollutants specific to each process (refer to appropriate subcategory in regulations for specific pollutants). An attachment should be provided indicating the types of samples (i.e., grab, composite, flow proportioned), the frequency and number of samples, time date and locations of the sampling events, and certification that the methods of analysis meets the regulatory requirements. The facility must ascertain whether it can meet the 30-day average, calculated average, daily maximum or calculated maximum limit.

All pretreatment standards are process related and a facility must comply with the standard at the end of each regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling water, and sanitary wastes prior to treatment or discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limits by employing the Combined Wastestream formula which is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register July 1, 2008). If this is the case with your

- facility, you must employ the formula and provide all additional data used for calculations. For further explanation, please refer to 40 CFR 403.6(e).
- II.7. If answer was yes, skip Question 8, and go on to Question 9.
- II.8. An explanation is needed describing how the facility intends to meet Categorical Standards. If additional pretreatment and/or operations and maintenance are required, then an attachment must be provided describing the proposed system and a schedule of dates for commencement and completion of events leading to the construction and operation of the system.
- II.9. Any other environmental control permits (i.e., NPDES, hazardous material, etc.) held by this facility must be listed.

#### EXHIBIT "A"

## **DEFINITIONS**

- 1. BOD, denotes BIOCHEMICAL OXYGEN DEMAND, which means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures in five (5) days at twenty (20) degrees Centigrade expressed in parts per million by weight, as determined by Standard Methods.
- 2. CITY shall mean the City of Marlborough, Mass.
- 3. DISCHARGE MEASUREMENT The determination of the quantity of wastewater flowing per unit of time in the sewer system at a given point by means of a current meter, rod float, weir, Pitot tube, or other measuring device or method.
- 4. FLOW RECORDER shall mean a weir, meter, flume or other device, which will measure and record the volume of wastewater discharged.
- 5. MGD Wastewater flow in million gallons per day.
- 6. MAXIMUM DAILY FLOW shall mean the highest daily rate of wastewater flow occurring within a single day.
- 7. MEASURING DEVICE An instrument determining concentration, flow, etc.
- 8. METER An instrument for measuring the amount and rate of flow of liquids.
- 9. MINIMUM DAILY FLOW shall mean the smallest rate of wastewater flow of liquids.
- 10. MONITORING DEVICE shall mean any equipment, which specifically measures, and/or samples wastewater.
- 11. PRETREATMENT FACILITIES shall mean the structures, equipment, and processes required to collect, treat and transport.
- 12. QUANTITY AND QUALITY OF WASTEWATER in an expression, which determines the amount and composition of the wastewater. Composition, in this case refers to the chemical and physical characteristics of the solid and liquid constituents of the wastewater. These characteristics are usually measured in terms of gallons per day, BOD, and SS.

- 13. SAMPLE shall mean a portion of the wastewater obtained for analytical purposes. This portion may be a single sample (grab), composite sample, continuous sample or periodic sample.
- 14. SAMPLER A device used with or without flow measurement to obtain an aliquot portion of water or wastewater for analytical purposes. May be designed for taking single sample (grab), composite sample, continuous sample, periodic sample.
- 15. COMPOSITE WASTEWATER SAMPLE A combination of individual samples of water or wastewater taken at selected intervals, generally hourly for some specified period, to minimize the effect of the variability of the individual sample. Individual samples shall be proportioned to the flow at the time of sampling.
- 16. SAMPLING STATION A specified site where monitoring takes place on a regular basis.
- 17. SHALL is mandatory; MAY is permissive.
- 18. SUSPENDED SOLIDS shall mean the solids that either float on the surface of, or are in suspension in wastewater and which are largely removable by laboratory filtering and wastewater treatment plants.
- 19. TREATMENT (TREAT) shall mean a process to which wastewater is subjected in order to remove or alter its objectional constituents and thus render it less offensive or dangerous.
- 20. WASTEWATER The spent water of an industry. Spent water may be a combination of the liquid wastes from industrial establishments, together with any groundwater, surface water and storm water that may be present.
- 21. WASTEWATER DISPOSAL The act of disposing of wastewater by discharging to the City's Wastewater Treatment Facilities.
- 22. WASTEWATER TREATMENT FACILITIES The structures, equipment, and processes required to collect, transport, treat and dispose of wastewater and dispose of the effluent including but not limited to collection system, interceptors, and wastewater treatment plant.

# INDUSTRIAL WASTE QUESTIONNAIRE

## GENERAL INFORMATION

l.	Standard Industrial Classification Code (SIC	C)	
2.	Company name		
3.	Mailing address		
1.	Premise address		
5.	Name and title of signing official:		
ó.	Person to contact concerning information pr		
	Name and title		
	Telephone NoE-Mail		
7.	Note to signing official: In accordance with Part 403 Section 403.14, information and dathen ature and frequency of the discharm restriction. Requests for confidential treatmer procedures specified in 40 CFR Part 2. Stracility, the information in this questionnaire	ata provided in this que ge shall be available nent of other information and a discharge perm	estionnaire that identifies to the public without on shall be governed by nit be required for your
3	This is to be signed by an authorized official form and review of the information by the signed	•	quate completion of this
	I have personally examined and am fam document and attachments. Based upon responsible for obtaining the information information is true, accurate and complete. for submitting false information, including to	my inquiry of those is reported herein, I bel I am aware that there	individuals immediately lieve that the submitted are significant penalties
	Date	Signature of Official	(Seal if applicable)

### PRODUCT OR SERVICE INFORMATION

9. Name or description of manufacturing or service activity at premise address. Current production as percentage of plant capacity. b. \_\_\_\_\_ 10. Principal raw materials Process catalysts b. \_\_\_\_\_ 11. Principal product or service Corresponding SIC Code b. \_\_\_\_\_

d. \_\_\_\_\_

## PLANT OPERATIONAL CHARACTERISTICS

12.	Provide description of process	Continuous?		Batch? (Give no. of Batches/day)
	a		_	
	b		_	
	c		_	
	d		_	
13.	Is there a scheduled shutdown?			
	If yes, give mo./day/year to mo./day/year		to	
14.	Is production seasonal?			
	If yes:  Month (s) of peak production:			
	Process (es) involved:			
	Max. no. of employees/shift	1 <sup>st</sup> shift:		
		2 <sup>nd</sup> shift:		
		3 <sup>rd</sup> shift:		
	No. of days worked/ week:			
15.	If no: Average number of employees per shift:	1 <sup>st</sup> ;	2	nd;3 <sup>rd</sup>
	Shift start times: 1 <sup>st</sup> : 2	nd; 3 <sup>rd</sup>		

Shifts normally	worked	each	day:
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		Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	1 <sup>st</sup> _							
	2 <sup>nd</sup>							
	3 <sup>rd</sup>							
			WA	TER CO	NSUMPT	ION AND I	LOSS	
16.	Raw	water soi	arce (%)			_	ntity (ga rage	al. per day)* Maximum
	a.	Public	water suppl	ly				
	b.	Private	e water supp	oly:				
17.	Desc	ribe any	raw water tr	eatment	process util	ized:		
18.	List v	water con	sumption in	ı plant*				
		Coolin	ig water			ga	llons per	day
		Boiler	feed			ga	llons per	day
		Proces	s water			ga	llons per	day
		Sanita	ry system			ga	llons per	day
		Contai	ned in prod	uct		ga	llons per	day
		Other				ga	llons per	day
		Total				ga	llons per	day

<sup>\*</sup>Conversion factor for cubic feet to gallons is: 7.48 gallons equals one cubic foot, 748 gallons equals one hundred cubic foot.

Lis	st average volume of discharge or	water lo	oss to		
	City wastewater sewer			gallons per	day
	Natural outlet			gallons per	day
	Waste hauler			gallons per	day
	Evaporation			gallons per	day
	Contained in product			gallons per	day
	Total			gallons per	day
De	escribe any water recycling or mate	erial rec	claiming pro	cesses utilized:	
Is	discharge to sewer:				-
Lis	st average water usage for each pro	ocess sh	nown on iter	ns 9 through 12 a	bove
Pro	ocess		Average w	ater consumption	(gal per day)
a. <sub>-</sub>					
b		_			
c		_			
d.					
	re there any proposed process character usage or wastewater discharge				
If :	yes, please list and explain these c	hanges:	·		

## SEWER CONNECTION AND DISCHARGE INFORMATION

a Spill Prevention Control and Countermeasure Plates No  escribe what treatment is currently given to waste decessary):  escribe what residuals are generated by current pretinecessary):  tate any known characteristics (i.e. pH, oil and greas astewater from each process listed in items 9 throug astewater analysis if available:  rocess Wastewater and	(gallons/day)
a Spill Prevention Control and Countermeasure Plates No  escribe what treatment is currently given to waste decessary):  escribe what residuals are generated by current pretinecessary):  tate any known characteristics (i.e. pH, oil and greas astewater from each process listed in items 9 throug astewater analysis if available:  Tocess Wastewater	<del></del>
rocess  No  escribe what treatment is currently given to waste decessary):  escribe what residuals are generated by current pretinecessary):  tate any known characteristics (i.e. pH, oil and greas astewater from each process listed in items 9 through astewater analysis if available:  Wastewater	proposed for the facility?
recessary):	prepared for the facility?
tate any known characteristics (i.e. pH, oil and greas astewater from each process listed in items 9 throug astewater analysis if available:  Tocess  Wastewater	<u> </u>
tate any known characteristics (i.e. pH, oil and greas astewater from each process listed in items 9 through astewater analysis if available:  Tocess Wastewater	·
	, BOD and suspended solid
	er characteristics
·	

28. Priority Pollutant Information: Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a byproduct.

CHEMICAL COMPOUND	Known Present	Suspected Present	Known absent	Suspected absent	Known or Suspected Concentration
I. METALS & INORGANICS					
<ol> <li>Antimony</li> <li>Arsenic</li> <li>Asbestos</li> <li>Beryllium</li> <li>Cadmium</li> <li>Chromium</li> <li>Copper</li> <li>Cyanide</li> <li>Lead</li> <li>Mercury</li> <li>Nickel</li> <li>Selenium</li> <li>Silver</li> <li>Thallium</li> <li>Zinc</li> </ol>		() () () () () () () () () () ()	() () () () () () () () () () () ()		
II. PHENOLS AND CRESOLS					
16. Phenol(s) 17. Phenol, 2-chloro 18. Phenol, 2,4-dichloro 19. Phenol, 2,4,6-trichloro 20. Phenol, pentachloro 21. Phenol, 2-nitro 22. Phenol, 4-nitro 23. Phenol, 2,4-dinitro 24. Phenol, 2,4-dimethyl 25. m-Cresol, p-chloro 26. o-Cresol, 4,6-dinitro	() () () () () () () () ()	() () () () () () () () ()	() () () () () () () () ()	() () () () () () () () ()	

CHEMICAL COMPOUND	Known Present	Suspected Present	Known absent	Suspected absent	Known or Suspected Concentration
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOLS AND PHTHALATES)					
27. Benzene 28. Benzene, chloro 29. Benzene, 1,2-dichloro 30. Benzene, 1,3-dichloro 31. Benzene, 1,4-dichloro 32. Benzene, 1,2,4-trichloro 33. Benzene, hexachloro 34. Benzene, ethyl 35. Benzene, nitro 36. Toluene 37. Toluene, 2,4-dinitro 38. Toluene, 2,6-dinitro	() () () () () () () () () ()	() () () () () () () () ()	() () () () () () () () () ()	() () () () () () () () () ()	
IV. PCBs & RELATED COMPOUNDS  39. PCB-1016 40. PCB-1221 41. PCB-1232 42. PCB-1242 43. PCB-1248 44. PCB-1254 45. PCB-1260 46. 2-Chloronaphthalene	() () () () () () ()	() () () () () ()	() () () () () () ()	() () () () () ()	
V. ETHERS  47. Ether, bis(chloromethyl) 48. Ether, bis(2-chloroethyl) 49. Ether, bis(2-chlorosopropyl) 50. Ether, 2-chloroethyl vinyl 51. Ether, 4-bromophenyl phenyl 52. Bis(2-chloroethoxyl) methane	() () () () () ()	() () () () ()	() () () () ()	() () () () ()	

CHEMICAL COMPOUND	Known Present	Suspected Present	Known absent	Suspected absent	Known or Suspected Concentration
VI. NITROSAMINES AND OTHER NITROGEN CONTAINING COMPOUNDS					
54. Nitrosamine, dimethyl 55. Nitrosamine, diphenyl 56. Nitrosamine, di-n-propyl 57. Benzidine 58. Benzidine, 3,3'-dichloro 59. Hydrazine, 1,2-diphenly 60, Acrylonitrile	() () () () () ()	() () () () () ()	() () () () () ()	() () () () () ()	
VII. HALOGENATED ALIPHATICS  61. Methane, bromo- 62. Methane, chloro- 63. Methane, dichloro 64. Methane, chlorodibromo 65. Methane, dichlorobromo 66. Methane, tribromo 67. Methane, trichloro 68. Methane, tetrachloro	() () () () () () ()	() () () () () () ()	() () () () () () ()	() () () () () () ()	
69. Methane, terrachioro 69. Methane, trichlorofluoro 70. Methane, dichlorodifluoro 71. Ethane, chloro 72. Ethane, 1,1-dichloro 73. Ethane, 1,2-dichloro 74. Ethane, 1,1,1-trichloro 75. Ethane, 1,1,2-trichloro 76. Ethane, 1,1,2,1-tetrachloro	() () () () () ()	() () () () () ()	() () () () () ()	() () () () () ()	
77. Ethane, hexachloro 78. Ethane, trans-dichloro 79. Ethane, trichloro 80. Ethane, tetrachloro 81. Propane, 1,2-dichloro 82. Propane, 2,4-dichloro 83. Butadine, hexachloro 84. Cyclopentadiene, hexachloro	() () () () () () () ()	() () () () () () () ()	() () () () () () ()	() () () () () () () ()	