

City of Louisville Wastewater Treatment Facility Industrial User Discharge Permit Application

All industrial and large commercial users of the City of Louisville's Wastewater Treatment Facilities are required to complete this application pursuant to Municipal Code 13.32. Additionally, the user is required to update the wastewater discharge permit application whenever significant changes are made in a process or operation. All users must complete all of the sections of this application. If a specific section is not applicable to your operation, then fill in the space with "N/A".

The form must be completed and received by the City within thirty (30) days of receipt. Respond to:

Attention: Environmental Compliance Specialist
City of Louisville
749 Main Street
Louisville, CO 80027

Fax: 303.335.4781
Email: ECS@louisvilleco.gov

SECTION A. GENERAL INFORMATION

1. Business name:

2. Mailing address:

3. Facility address (if different than mailing):

4. Company representative responsible for overall operation of the facility:

Name:

Title:

Phone:

5. I.R.S Employer I.D. #:

6. This application is for a(n): ☐ Existing Discharge ☐ Proposed Discharge

If proposed discharge, expected date of discharge:

SECTION B. PRODUCT SERVICE INFORMATION

1. If your facility employs or will be employing processes in any of the industrial categories or business activates listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), please check all that apply:

- | | | |
|---|---|---|
| ☐ Aluminum Forming | ☐ Medical Care | ☐ Retail Trade |
| ☐ Electroplating | ☐ Metal Finishing | ☐ Vehicle/Equip. Wash |
| ☐ Food Processing | ☐ Warehousing | ☐ Painting, Stripping or Finishing |
| ☐ Food Service | ☐ Plant Wash Down | ☐ Laboratory Testing |
| ☐ Printing | ☐ Photo Developing | ☐ Machine Repair |
| ☐ Manufacturing | ☐ Laundry | ☐ Dry Cleaning |
| ☐ Research & Development | ☐ Greenhouse Operation | ☐ Other (Specify Below): |

2. Description of the operations performed at this facility, from raw materials to finished product. **Please attach additional sheet.**

3. List applicable Standard Industrial Classification (SIC) Code(s) for all processes. If more than one applies, list in descending order of importance. If no SIC Codes apply, please state "No SIC Codes apply on line A."

A. _____

B. _____

C. _____

D. _____

4. List principal raw materials used. Use additional sheets if necessary.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. List any intermediates or catalysts if used in production or created as a by-product of production.

6. Is a spill prevention control and countermeasure plan prepared for the facility?

_____ YES _____ NO

7. List all environmental control permits held by this facility, including the agency issuing the permit. If no environmental control permits are held by the facility, please make a statement to that effect.

SECTION C. PLANT OPERATION CHARACTERISTICS

1. Shift Times:

	Average Start Time	End Time	No. of Employees
1 st Shift	_____	_____	_____
2 nd Shift	_____	_____	_____
3 rd Shift	_____	_____	_____

2. Shifts worked each day:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 st Shift	_____	_____	_____	_____	_____	_____	_____
2 nd Shift	_____	_____	_____	_____	_____	_____	_____
3 rd Shift	_____	_____	_____	_____	_____	_____	_____

3. Is operation subject to seasonal variation? _____ Yes _____ No

If yes, please explain: _____

4. Do shifts vary by department? _____ Yes _____ No

If yes, please explain: _____

5. Are there shutdowns for vacation, maintenance or other reasons? _____ Yes _____ No

If yes, please explain: _____

6. Are major processes batch or continuous? _____ Batch _____ Continuous

If batch, how often are batches discharged? _____

What volume is discharged per day and/or per batch? _____

SECTION D. WATER USE

1. Water source for facility operations is supplied by _____ City of Louisville _____ Other

If other, please explain _____

2. Name on water bill: _____

3. Water Service Account Number: _____

4. If water is paid for by landlord or other party, please provide name and address:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

5. List approximate water consumption in plant:

Boiler Feed Water _____ GPD

Cooling Water _____ GPD

Evaporation _____ GPD

Contained in Product _____ GPD

Process water _____ GPD

Rinse water _____ GPD

Cleaning Water _____ GPD

Other _____ GPD

Explanation of how consumption was estimated:

SECTION E. WASTEWATER DISCHARGE

1. The discharge to the sewer is: _____ Intermittent _____ Continuous

2. Does this facility generate any wastewater other than sanitary wastes? (Sanitary waste is defined as liquid wastes (a) from the noncommercial preparation, cooking and handling of food, or (b) containing only human excrement and similar matter from the sanitary conveniences of dwellings, commercial buildings, industrial facilities, and institutions or combination thereof.) _____ Yes _____ No

3. Are there changes proposed which will cause generation of wastewaters other than sanitary?

_____ Yes _____ No

If yes to question E. 3, explain proposed changes and date these will become effective:

SECTION F. WASTEWATER GENERATION

Attach a drawing of the industrial complex showing locations of internal sewers, major drainage areas, and service connection(s) to the City sewers. Assign a number to each drainage area and available sampling point for each drainage area. For reference and field orientation, please include north arrow, buildings, streets, alleys, and other pertinent structures. For existing buildings, the City may have drawings available. Please contact the Building Department at BuildingDept@louisvilleco.gov or (303) 335-4584 for general building inquiries and to request plans or drawings.

Prior to discharge to the POTW:

The user is responsible for identifying the Pretreatment Standards applicable to each regulated process. The Pretreatment Standards are found in Title 40 of the Code of Federal Regulations. If the user’s processes are subject to Pretreatment Standards, the user shall take a minimum of one representative sample to compile the data necessary to determine compliance with discharge limits as put forth in Federal, State, and Local regulations. The sample should be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated process if no pretreatment exists.

In addition, the user shall submit the full results of sampling and analysis identifying the nature and concentration of regulated pollutants in the discharge waste stream from each regulated process or from all processes combined if discrete sampling points are unavailable. Time, date, location of sample point, method of analysis, and person(s) sampling shall be listed. The sample shall be representative of daily operations and expected pollutants to be discharged. Sampling shall be consistent with the requirements of 40 CFR Part 136.

The City’s Pretreatment Program may allow the submission of a baseline report which utilizes only historical data so long as the data provides information sufficient to determine the need for industrial pretreatment measures. The City shall cause to halt all discharges from any facility whose wastewater discharge is not in compliance with Federal, State, and Local regulations. The City may sample any process wastewater in order to determine compliance with Federal, State, and Local regulations prior to discharge; however, the City’s sample shall not be used in place of the user’s required sample.

1. How many fixtures are contained in each building or buildings?

_____ Sinks	_____ Toilets	_____ Locker-room Showers
_____ Urinals	_____ Safety Showers/Eye Wash	_____ Mop/Clean-Up Sinks
_____ Water Faucets	_____ Water Fountains	_____ Floor Drains
_____ Grease/Sand Traps	_____ Process Water Drains	_____ Waste Barrels
_____ Other (explain): _____		

2. Name, briefly describe, and provide information for each individual process within the facility and the characteristics of the wastewater generated from each process. Please include color, solids concentrations, pH, and total GPD. (Use additional sheets if necessary)

A. _____

B. _____

C. _____

D. _____

3. Is any form of wastewater pretreatment practiced at this facility? _____ Yes _____ No
If yes, please explain, _____

SECTION G. CHEMICAL STORAGE

1. Are any chemicals or petroleum products stored in quantities greater than five (5) gallons?
_____ Yes _____ No

If yes, list the chemical, its use, and the quantity kept on hand (including oil, gasoline, or detergents).

Please attach all SDS or MSDS sheets to this application.

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

(Use additional sheets as necessary)

2. Is there a specific storage place for these chemicals? _____ Yes _____ No
If yes, how close is the closest floor drain _____ ft

3. Is a spill kit easily accessible in case of a spill? _____ Yes _____ No
4. Are spill prevention plans and procedures developed and implemented? _____ Yes _____ No
5. Are spill clean-up procedures formulated and posted? _____ Yes _____ No
6. Are all employees trained in spill prevention and clean-up procedures? _____ Yes _____ No

SECTION H. EPA PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing "X" in the appropriate space by each listed chemical used in your manufacturing or service activity or generated as a byproduct whether the chemical is discharged to the municipal sewers system or is used but not discharged to the sewers. Some compounds are known by other names.

Item Chemical No.	Known to be present in Facility	Known to be absent in Facility	Unknown to be present in Facility	Known to be present in Discharge	Known to be absent in Discharge	Unknown to be present in Discharge
1. Ammonia	_____	_____	_____	_____	_____	_____
2. Biochemical Oxygen Demand	_____	_____	_____	_____	_____	_____
3. Total Suspended Solids	_____	_____	_____	_____	_____	_____
4. Aluminum	_____	_____	_____	_____	_____	_____
5. Antimony	_____	_____	_____	_____	_____	_____
6. Arsenic	_____	_____	_____	_____	_____	_____
7. Asbestos	_____	_____	_____	_____	_____	_____
8. Barium	_____	_____	_____	_____	_____	_____
9. Beryllium	_____	_____	_____	_____	_____	_____
10. Boron	_____	_____	_____	_____	_____	_____
11. Bromide	_____	_____	_____	_____	_____	_____
12. Cadmium	_____	_____	_____	_____	_____	_____
13. Chlorine	_____	_____	_____	_____	_____	_____
14. Chromium	_____	_____	_____	_____	_____	_____
15. Chromium VI	_____	_____	_____	_____	_____	_____
16. Chromium III	_____	_____	_____	_____	_____	_____
17. Cobalt	_____	_____	_____	_____	_____	_____
18. Color	_____	_____	_____	_____	_____	_____
19. Copper	_____	_____	_____	_____	_____	_____
20. Cyanide, Total	_____	_____	_____	_____	_____	_____
21. Iron	_____	_____	_____	_____	_____	_____
22. Lead	_____	_____	_____	_____	_____	_____
23. Magnesium	_____	_____	_____	_____	_____	_____
24. Manganese	_____	_____	_____	_____	_____	_____
25. Mercury	_____	_____	_____	_____	_____	_____
26. Molybdenum	_____	_____	_____	_____	_____	_____
27. Nickel	_____	_____	_____	_____	_____	_____
28. Nitrate-Nitrite	_____	_____	_____	_____	_____	_____
29. Nitrogen, Total Organic	_____	_____	_____	_____	_____	_____
30. Oil and Grease	_____	_____	_____	_____	_____	_____
31. Phosphorous	_____	_____	_____	_____	_____	_____
32. Radioactivity	_____	_____	_____	_____	_____	_____
33. Selenium	_____	_____	_____	_____	_____	_____
34. Silver	_____	_____	_____	_____	_____	_____
35. Sulfate	_____	_____	_____	_____	_____	_____
36. Sulfide	_____	_____	_____	_____	_____	_____
37. Sulfite	_____	_____	_____	_____	_____	_____

38. Surfactants						
39. Thallium						
40. Tin						
41. Titanium						
42. Zinc						
43. Acenaphthene						
44. Acrylonitrile						
45. Benzene						
46. Benzidine						
47. Carbon tetrachloride						
48. Chlorobenzene						
49. 1,2,4-trichlorobenzene						
50. Hexachlorobenzene						
51. 1,2-dichloroethane						
52. 1,1,1-trichloroethane						
53. Hexachloroethane						
54. 1,1-dichloroethane						
55. 1,1,2-trichloroethane						
56. 1,1,2,2-tetrachloroethane						
57. Chloroethane						
58. Bis(2-chloroethyl) ether						
59. 2-chloroethyl vinyl ethers						
60. 2-chloronaphthalene						
61. 2,4,6-trichlorophenol						
62. Parachlorometa cresol						
63. Chloroform						
64. 2-chlorophenol						
65. 1,2-dichlorobenzene						
66. 1,3-dichlorobenzene						
67. 1,4-dichlorobenzene						
68. 3,3-dichlorobenzidine						
69. 1,1-dichloroethylene						
70. 1,2-trans-dichloroethylene						
71. 2,4-dichlorophenol						
72. 1,2-dichloropropane						
73. 1,3-dichloropropylene						
74. 2,4-dimethylphenol						
75. 2,4-dinitrotoluene						
76. 2,6-dinitrotoluene						
77. 1,2-diphenylhydrazine						
78. Ethylbenzene						
79. Fluoranthene						
80. 4-chlorophenyl phenyl ether						
81. 4-bromophenyl phenyl ether						
82. Bis(2-chloroisopropyl) ether						
83. Bis(2-chloroethoxy) methane						
84. Methylene chloride						
85. Methyl chloride						
86. Methyl bromide						
87. Dichlorobromomethane						
88. Chlorodibromomethane						
89. Hexachlorobutadiene						
90. Hexachlorocyclopentadiene						
91. Isophorone						
92. Naphthalene						
93. Nitrobenzene						
94. 2-nitrophenol						
95. 4-nitrophenol						
96. 2,4-dinitrophenol						
97. 4,6-dinitro-o-cresol						

98. N-nitrosodimethylamine						
99. N-nitrosodiphenylamine						
100.N-nitrosodi-n-propylamine						
101.Pentachlorophenol						
102.Phenol						
103.Bis(2-ethylhexyl) phthalate						
104.Butyl benzyl phthalate						
105.Di-N-Butyl Phthalate						
106.Di-n-octyl phthalate						
107.Diethyl Phthalate						
108.Dimethyl phthalate						
109.benzo(a) anthracene						
110.Benzo(a)pyrene						
111.Benzo(b) fluoranthene						
112.Benzo(k) fluoranthene						
113.Chrysene						
114.Acenaphthylene						
115.Anthracene						
116.Benzo(ghi) perylene						
117.Flourene						
118.Phenanthrene						
119.Dibenzo(h) anthracene						
120.Indeno (1,2,3-cd) pyrene						
121.Pyrene						
122.Tetrachloroethylene						
123.Toluene						
124.Trichloroethylene						
125.Vinyl chloride						
126.Aldrin						
127.Dieldrin						
128.Chlordane						
129.4,4-DDT						
130.Beta-endosulfan						
131.Endosulfan sulfate						
132.Endrin						
133.Endrin aldehyde						
134.Heptachlor						
135.Heptachlor epoxide						
136.Alpha-BHC						
137.Beta-BHC						
138.Gamma-BHC						
139.Delta-BHC						
140.PCB-1242						
141.PCB-1254						
142.PCB-1221						
143.PCB-1232						
144.PCB-1248						
145.PCB-1260						
146.PCB-1016						
147.Toxaphene						
148.2,3,7,8-TCDD						
149.4,4-DDD						
150.Alpha-endosulfan						
151.Acrolein						
152.Bromoform						
153.4,4-DDE						

SECTION H. NON-DISCHARGED WASTES

1. Are any wastes removed from the facility? _____ Yes _____ No

If yes, explain which waste, from which process, and how they are removed:

(Use additional sheets as necessary)

2. Are any process wastes recycled on site? _____ Yes _____ No

If yes, explain what is recycled and how it is recycled:

(Use additional sheets as necessary)

3. Are any wastes disposed of on site? _____ Yes _____ No

If yes, explain why this is a safe practice:

(Use additional sheets as necessary)

If an outside firm removes or disposes of any wastes, provide the name(s) and address(es) of all waste haulers. Also, list the wastes picked up and frequency.

Name: _____

Address: _____

Phone (): _____

Disposal Location: _____

Pickup Frequency: _____

Name: _____

Address: _____

Phone (): _____

Disposal Location: _____

Pickup Frequency: _____

(Use additional sheets as necessary)

SECTION I. CERTIFICATION

NOTE TO SIGNING OFFICIAL: Information and data identifying the nature and frequency of a discharge to the City of Louisville Publicly Owned Treatment Works shall be available to the public. Requests for confidential treatment of information, other than discharge data, shall be made according to the procedures outlined in Section 13.32.105 of the City of Louisville Municipal Code. Please see the Municipal Code prior to requesting confidentiality of data.

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 who manage the system, or those 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 fines and imprisonment for knowing violations.

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Attachment A

General and Specific Prohibitions applicable to all users of the Publicly Owned Treatment Works

Sec. 13.32.040. General and specific discharge prohibitions.

Pollutants, substances, or wastewater prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW.

A. General prohibitions. No user shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will pass through or interfere with the operation or performance of the POTW. These general prohibitions apply to all such users of a POTW whether or not the user is subject to national categorical pretreatment standards or any other national, state, or local pretreatment standards or requirements.

B. Specific prohibitions.

1. Any wastewater which creates a fire or explosion hazard in the publicly-owned treatment works (POTW), including but not limited to, waste streams with a closed cup flashpoint of less than 60 degrees Celsius (140 degrees Fahrenheit) using the test methods specified in 40 CFR 261.21;
2. Any wastewater having a pH less than 6.0 or any other corrosive property capable of causing damage or hazard to structures or equipment of the POTW or to employees of the city;
3. Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities such as, but not limited to: grease, garbage with particles greater than one-half inch in any dimension, paunch manure, bones, hair, hooves, hides or fleshing, whole blood, feathers, ashes, cinders, sand, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues, residues from refining, or processing of fuel, lubricating oil, or waste lubricating oil, mud, glass grinding or polishing wastes, cement concrete, plaster, gravel, hay, lime slurry or sludge, paint or chemical residues;
4. Any pollutants, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference to the POTW;
5. Any wastewater having a temperature which will inhibit biological activity in the POTW treatment plant, resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW which exceeds 40 degrees Celsius (104 degrees Fahrenheit);
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass-through;
7. Any wastewater which results in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
8. Any trucked or hauled pollutants, including but not limited to, commercial, industrial or domestic generated wastes, except at points designated by the POTW.
9. Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or to prevent entry into the sewers for maintenance or repair;
10. Wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent, thereby violating the city's NPDES permit;
11. Any wastewater containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by applicable state or federal regulations;

12. Any substance which will cause the POTW to violate its NPDES permit of the receiving water quality standards;
13. Any liquids, solids or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the POTW or to the operation of the POTW. At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system, or at any point in the system, be more than five percent nor any single reading over ten percent of the lower explosive limit (LEL) of the meter. Prohibited materials include, but are not limited to, gasoline, kerosene, fuel oil, mineral oil, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides and sulfides and any other substances which the city, the state or the EPA has determined is a fire hazard or a hazard to the POTW;
14. Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, to contaminate the sludge of the POTW, or to exceed the limitation set forth in a categorical pretreatment standards. A toxic pollutant shall include but not be limited to any pollutant identified pursuant to Section 307(a) of the Act;
15. Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges, or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, or state criteria applicable to the sludge management method being used;
16. Any slugload, which shall mean any pollutant, released in a single extraordinary discharge episode of such volume or strength as to cause interference to the POTW.