

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
Industrial Waste Division / Pretreatment and Cost Recovery Section
SPECIAL DISCHARGE AUTHORIZATION REQUEST FORM
RAW WASTEWATER PRIORITY POLLUTANT REPORT
INSTRUCTIONS

The sampling, analysis, and reporting of ERW site raw wastewater priority pollutants as required by the Metropolitan Water Reclamation District of Greater Chicago (District) shall be conducted in accordance with the following requirements:

1. Analytical Methodology

The current United States Environmental Protection Agency, USEPA 600, 1600 Series approved methods and Contract Laboratory Protocol (CLP) list of analytes are to be employed.

a. Purgeables or Volatile Organic Compounds (VOCs)

USEPA Methods mentioned above for analysis by purge and trap with Gas Chromatography/Mass Spectrometry (GC/MS) or Gas Chromatography (GC) with suitable detectors.

b. Semi-volatile or Base/Neutral/Acid Extractables (BNAs)

USEPA Methods mentioned above for analysis by GC/MS.

c. Pesticides and PCBs

USEPA Methods mentioned above for analysis by GC with electron capture detector or other suitable halogen specific detectors.

d. Quantitation Limits

The required Quantitation Limits (QL) are those of the CLP as indicated on Form SDA-202.

2. Mandatory Reporting Requirements

- a.** Representative grab samples of the ERW site raw wastewater shall be collected. The sampling point shall be described on Form SDA-202 and noted on the site layout/flow diagrams which are required under Section E, Item No. 11 of the Special Discharge Authorization Request.
- b.** Samples specified in Item 2(a) shall be submitted to an independent laboratory for priority pollutant analysis. All compounds listed on Form SDA-202 must be analyzed and reported.
- c.** Enter the quantitation limit (QL) attained by your consulting laboratory for each of the listed compounds if different from the QL required. All cases where the reported QL exceeds the required QL must be explained on page 4, Part B of Form SDA-202.
- d.** Enter the analytical results for each of the listed compounds. Enter "ND" if the compound was not detected or below the QL reported by your consulting laboratory.
- e.** Complete the Sample Collection, Analysis and Report Certification Statement found on page 4 of Form SDA-202.
- f.** Form SDA-202 and copies of the certified laboratory analyses must be included with your Special Discharge Authorization Request and mailed to the following address:

Metropolitan Water Reclamation District of Greater Chicago
Pretreatment and Cost Recovery Section
P.O. Box 10689
Chicago, IL 60610

Industrial Waste Division / Pretreatment and Cost Recovery Section (312) 751-3044

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
Industrial Waste Division / Pretreatment and Cost Recovery Section
SPECIAL DISCHARGE AUTHORIZATION REQUEST
RAW WASTEWATER PRIORITY POLLUTANT REPORT

ERW Site: _____

Address: _____

City: _____ State: _____ Zip Code: _____ Telephone: _____

Descriptive location of ERW Site raw wastewater sampling point:

Sampling Date:

INDICATE SAMPLING POINT ON PLANT LAYOUT/FLOW DIAGRAM WHICH MUST ACCOMPANY FORM SDA-200.

MONTH DAY YEAR

No.	Purgeable	CAS No.	QL Required (ug/L)	QL Attained (ug/L)	Analytical Results
1	Chloromethane	74-87-3	10		
2	Bromomethane	74-83-9	10		
3	Chloroethane	75-00-3	10		
4	Acetone	67-64-1	10		
5	Carbon Disulfide	75-15-0	10		
6	1,1-Dichloroethene	75-35-4	10		
7	1,1-Dichloroethane	75-34-3	10		
8	1,2-Dichloroethene (total)	540-59-0	10		
9	Bromodichloromethane	75-27-4	10		
10	1,2-Dichloropropane	78-87-5	10		
11	cis-1,3-Dichloropropene	10061-01-5	10		
12	Dibromochloromethane	124-48-1	10		
13	1,1,2-Trichloroethane	79-00-5	10		
14	trans-1,3 Dichloropropene	10061-02-6	10		
15	Bromoform	75-25-2	10		
16	4 Methyl 2 pentanone	108-10-1	10		
17	2 Hexanone	591-78-6	10		
18	1,1,2,2-Tetrachloroethane	79-34-5	10		
19	Acrolein	107-02-8	500*		
20	Acrylonitrile	107-13-1	500*		
21	Benzene	71-43-2	10		
22	1,3-Butadiene	106-99-0	ND**		
23	Chlorobenzene	108-90-7	10		
24	Chloroform	67-66-3	10		
25	1,2-Dichloroethane	107-06-2	10		
26	Methylethyl Ketone	78-93-3	10		
27	Tetrachloroethene	127-18-4	10		
28	1,1,1-Trichloroethane	71-55-6	10		
29	Trichloroethene	79-01-6	10		
30	Carbon Tetrachloride	56-23-5	10		
31	Ethylbenzene	100-41-4	10		
32	Ethylene Dibromide	106-93-4	10*		
33	1 Ethyl, 2 Methylbenzene	611-14-3	10*		
34	1,3,5-Trimethylbenzene	108-67-8	10*		
35	1,4-Dioxane	123-91-1	500*		
36	Toluene	108-88-3	10		
37	Styrene	100-42-5	10		
38	Vinyl Chloride	75-01-4	10		
39	Dichloromethane	75-09-2	10		
40	Xylenes (total)	1330-20-7	10		

* Parameter not on CLP list. Quantitation limit based on acceptable laboratory capability.

** Not Determined.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Industrial Waste Division / Pretreatment and Cost Recovery Section

No.	Base/Neutral/Acid Extractables (BNAs)	CAS No.	QL Required µg/L	QL Attained µg/L	Analytical Results µg/L
41	1,4-Dichlorobenzene	106-46-7	10		
42	Napthalene	91-20-3	10		
43	Phenol	108-95-2	10		
44	bis (2-Chloroethyl) ether	111-44-4	10		
45	2-Chlorophenol	95-57-8	10		
46	1,3-Dichlorobenzene	541-73-1	10		
47	1,2-Dichlorobenzene	95-50-1	10		
48	2-Methylphenol	95-48-7	10		
49	bis (2-Chloroisopropyl) ether	108-60-1	10		
50	4-Methylphenol	106-44-5	10		
51	N-Nitroso -di-n-propylamine	621-64-7	10		
52	Hexachloroethane	67-72-1	10		
53	Nitrobenzene	98-95-3	10		
54	Isophorone	78-59-1	10		
55	2-Nitrophenol	88-75-5	10		
56	2,4-Dimethylphenol	105-67-9	10		
57	bis(2-Chloroethoxy) methane	111-91-1	10		
58	2,4-Dichlorophenol	120-83-2	10		
59	1,2,4-Trichlorobenzene	120-82-1	10		
60	4-Chloroaniline	106-47-8	10		
61	Hexachlorobutadiene	87-68-3	10		
62	4-Chloro-3-methylphenol	59-50-7	10		
63	2-Methylnapthalene	91-57-6	10		
64	Hexachlorocyclopentadiene	77-47-4	10		
65	2,4,6-Trichlorophenol	88-06-2	10		
66	2,4,5-Trichlorophenol	95-95-4	25		
67	2-Chloronaphthalene	91-58-7	10		
68	2-Nitroaniline	88-74-4	25		
69	Dimethylphthalate	131-11-3	10		
70	Acenaphthylene	208-96-8	10		
71	2,6-Dinitrotoluene	606-20-2	10		
72	3-Nitroaniline	99-09-2	25		
73	Acenaphthene	83-32-9	10		
74	2,4-Dinitrophenol	51-28-5	25		
75	4-Nitrophenol	100-02-7	25		
76	Dibenzofuran	132-64-9	10		
77	2,4-Dinitrotoluene	121-14-2	10		
78	Diethylphthalate	84-66-2	10		
79	4-Chlorodiphenyl ether	7005-72-3	10		
80	Fluorene	86-73-7	25		
81	4-Nitroaniline	100-01-6	25		
82	4,6-Dinitro-2-methylphenol	534-52-1	10		
83	N-Nitrosodiphenylamine	86-30-6	10		
84	4-Bromodiphenyl ether	101-55-3	10		
85	Hexachlorobenzene	118-74-1	10		
86	Pentachlorophenol	87-86-5	25		
87	Phenanthrene	85-01-8	10		
88	Anthracene	120-12-7	10		
89	Carbazole	86-74-8	10		
90	Di-n-butylphthalate	84-74-2	10		
91	Flouranthene	206-44-0	10		
92	Pyrene	129-00-0	10		
93	Butylbenzylphthalate	85-68-7	10		
94	3,3-Dichlorobenzidine	91-94-1	10		
95	Benzo (a) anthracene	56-55-3	10		
96	Chrysene	218-01-9	10		
97	bis (2-Ethylhexyl) phthalate	117-81-7	10		
98	Di-n-octylphthalate	117-84-0	10		
99	Benzo (b) flouranthene	205-99-2	10		
100	Benzo (k) flouranthene	207-08-9	10		

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Industrial Waste Division / Pretreatment and Cost Recovery Section

No.	Base/Neutral/Acid Extractables (BNAs)	CAS No.	QL Required (µg/L)	QL Attained (µg/L)	Analytical Results(µg/L)
101	Benzo(a)pyrene	50-32-8	10		
102	Indeno(1,2,3-c, d)-pyrene	193-39-5	10		
103	Dibenzo(a,h)anthracene	53-70-3	10		
104	Benzo(g,h,i)perylene	191-24-2	10		
No.	Pesticides and PCBs	CAS No.	QL Required (µg/L)	QL Attained (µg/L)	Analytical Results(µg/L)
105	Alpha-BHC	319-84-6	0.05		
106	Beta-BHC	319-85-7	0.05		
107	Delta-BHC	319-86-8	0.05		
108	Gamma-BHC (Lindane)	58-89-9	0.05		
109	Heptachlor	76-44-8	0.05		
110	Aldrin	309-00-2	0.05		
111	Heptachlor epoxide	1024-57-3	0.05		
112	Endosulfan I	959-98-8	0.05		
113	Dieldrin	60-57-1	0.10		
114	4,4-DDE	72-55-9	0.10		
115	Endrin	72-20-8	0.10		
116	Endosulfan II	33213-65-9	0.10		
117	4,4-DDD	72-54-8	0.10		
118	Endosulfan sulfate	1031-07-8	0.10		
119	4,4-DDT	50-29-3	0.10		
120	Methoxychlor	72-43-5	0.50		
121	Endrin ketone	53494-70-5	0.10		
122	Endrin aldehyde	7421-93-4	0.10		
123	alpha-Chlordane	5103-71-9	0.05		
124	gamma-Chlordane	5103-74-2	0.05		
125	Toxaphene	8001-35-2	5.00		
126	Aroclor-1016	12674-11-2	1.00		
127	Aroclor-1221	11104-28-2	2.00		
128	Aroclor-1232	11141-16-5	1.00		
129	Aroclor-1242	53469-21-9	1.00		
130	Aroclor-1248	12672-29-6	1.00		
131	Aroclor-1254	11097-69-1	1.00		
132	Aroclor-1260	11096-82-5	1.00		
No.	Inorganics	Analytical Results mg/L			
133	Antimony				
134	Arsenic				
135	Beryllium				
136	Cadmium				
137	Chromium (total)				
138	Copper				
139	Iron				
140	Lead				
141	Mercury				
142	Nickel				
143	Selenium				
144	Silver				
145	Thallium				
146	Zinc				
No.	Other Parameters	Analytical Results			
147	Cyanide (total)	mg/L			
148	Fats, Oils and Greases (total)	mg/L			
149	pH	pH Units			
150	Total VOCs*	µg/L			

* Total VOCs is the arithmetic sum of the concentrations of Parameter Nos. 19 through 42.

REMINDER:

Complete the Sample Collection,
Analysis and Report Certification on
page 4 and submit Form SDA-202
and copies of the laboratory analyses
along with your Special Discharge
Authorization Request to:
**Metropolitan Water Reclamation District
of Greater Chicago
Pretreatment and Cost Recovery Section
P.O. BOX 10689
Chicago, IL 60610**

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
Industrial Waste Division / Pretreatment and Cost Recovery Section
SAMPLE COLLECTION, ANALYSIS AND REPORT CERTIFICATION

PART A PERSON RESPONSIBLE FOR SAMPLE COLLECTION

I certify that samples were collected using approved USEPA procedures, that samples were properly preserved and labeled and that chain-of-custody procedures were followed.

Name: _____

Title: _____

Company: _____

Address: _____

Email: _____

Telephone: _____

Signature: _____

Date: _____

PART B LABORATORY REPRESENTATIVE

I certify to the following: that proper chain-of-custody procedures were followed as documented on chain-of-custody forms; that all samples were labeled and that sample integrity was maintained by proper preservation; that quality assurance and quality control procedures were established and carried out; that sample holding times were not exceeded; that USEPA 600 and 1600 Series Methods were used for sample analysis; and, that CLP practical quantitation limits for wastewater were met for each parameter. However, if quantitation limits were not achieved, as so indicated on this form, the reasons are as follows:

Name: _____

Title: _____

Company: _____

Address: _____

Email: _____

Telephone: _____

Signature: _____

Date: _____

PART C COMPANY REPRESENTATIVE

I certify that all the information contained on this form is true and accurate, to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Name: _____

Title: _____

Company: _____

Address: _____

Email: _____

Telephone: _____

Signature: _____

Date: _____