

Attachment 1-I.

EFFLUENT CHARACTERIZATION FOR PERMIT APPLICATION

This attachment is used in conjunction with Section V, Parts A, B, and C of EPA Application Form 2C, *Wastewater Discharge Information*. This attachment specifies effluent characterization requirements of the Department of Ecology. The data should be compiled from last year's data if it is a parameter routinely measured. This attachment also specifies analytical procedure and detection or quantitation levels for some parameters for effluent characterization. If you are a primary industry category with effluent guidelines you may have some mandatory testing requirements (see Table 2C-2 of Form 2C).

¹ An "X" in this space means to complete an analysis for all the following individual pollutants in the group.

X	Pollutant & CAS No. (if available)	Analytical Protocol as EPA Part 136 methods or Standard. Methods	Detection or Quantitation Level
¹	Conventional (Part A)		DL
	a. Biochemical Oxygen Demand	405.1	2 mg/l
	b. Chemical Oxygen Demand	410.1	5 mg/l
	c. Total Organic Carbon	415.1	1 mg/l
	d. Total Suspended Solids	160.2	1 mg/l
	e. Ammonia (as N)	350.2	20 µg/l
	f. Flow	Calibrated device	
	g. Temperature (winter)	170.1	
	h. Temperature (summer)	170.1	
	i. pH	150.1	
¹	Nonconventional (Part B)		DL
	a. Bromide (24959-67-9)	320.1	0.1 mg/l
	b. Chlorine, Total Residual	330.5?	1 mg/l
	c. Color	110.1, 110.2 or 110.3	
	d. Fecal Coliform	9221C or 9222D	
	e. Fluoride (16984-48-8)	340.3	0.1 mg/l
	f. Nitrate-Nitrite (as N)	353.2	0.5 mg/l
	g. Nitrogen, Total Organic (as N)	351.1 or 351.3	20 mg/l
	h. Oil and Grease	1664	0.2 mg/l
	i. Phosphorus (as P), Total (7723-14-0)	365.1	1 µg/l
	j. Radioactivity		
	(1) Alpha, Total		
	(2) Beta, Total		
	(3) Radium Total		
	k. Sulfate (as SO ₄) (14808-79-8)	375.1	1 mg/l
	l. Sulfide (as S)	376.1	1 mg/l
	m. Sulfite (as SO ₃) (14265-45-3)	377.1	2 mg/l
	n. Surfactants	425.1	0.1 mg/l

