

# CA Industrial General Storm Water Permit Guidelines

Parameter	Method	Hold time	Collection Bottles	Annual NAL <sup>***</sup>	Instantaneous Maximum NAL	Reporting Units
pH <sup>*</sup>	Field	15 Minutes		N/A	<6 or >9	pH Units
Total Suspended Solids (TSS) <sup>*</sup>	SM2540D	7 Days	1 Liter Poly <sup>**</sup>	100	400	mg/L
Oil & Grease, Total (O&G) <sup>*</sup>	EPA1664	28 Days	2 x 1 Liter Glass (H2SO4) <sup>**</sup>	15	25	mg/L
Ammonia as N (NH3)	SM4500-NH3 C	28 Days	500ml Poly (H2SO4) <sup>**</sup>	2.14		mg/L
Biological Oxygen Demand (BOD)	SM5210B	48 Hours	1 Liter Poly <sup>**</sup>	30		mg/L
Chemical Oxygen Demand (COD)	SM5220C	28 Days	500ml Poly (H2SO4) <sup>**</sup>	120		mg/L
Cyanide, Total (CN)	10-204-00-1X	14 Days	250ml Brown Poly (NaOH) <sup>**</sup>	0.022		mg/L
Nitrate + Nitrite as N (N+N)	SM4500-NO3-E	28 Days	500ml Poly (H2SO4) <sup>**</sup>	0.68		mg/L
Phosphorus, Total (P)	SM4500-P B+E	28 Days	500ml Poly (H2SO4) <sup>**</sup>	2		mg/L
<b>Metals/Minerals</b>						
Aluminum, Total (Al)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.75		mg/L
Arsenic, Total (As)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.15		mg/L
Cadmium, Total (Cd)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.0053		mg/L
Copper, Total (Cu)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.0332		mg/L
Iron, Total (Fe)	EPA 200.7	180 Days	500ml Poly (HNO3) <sup>**</sup>	1		mg/L
Lead, Total (Pb)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.262		mg/L
Magnesium, Total (Mg)	EPA 200.7	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.064		mg/L
Mercury, Total (Hg)	EPA 245.1	28 Days	500ml Poly (HNO3) <sup>**</sup>	0.0014		mg/L
Nickel, Total (Ni)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	1		mg/L
Selenium, Total (Se)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.005		mg/L
Silver, Total (Ag)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.0183		mg/L
Zinc, Total (Zn)	EPA 200.8	180 Days	500ml Poly (HNO3) <sup>**</sup>	0.26		mg/L

Additional Parameters based on Standard Industrial Classification (SIC) <sup>*****</sup>			
SIC Code	Parameter(s)	SIC Code	Parameter(s)
1021	COD; N+N	3061, 69	Zn
1221, 31	Al; Fe	3251, 53, 55, 59	Al
1442	N+N	3269	Al
2079	BOD; COD; N+N	3297	Al
2421	COD; Zn	3271, 72, 73	Fe
2426	COD	3295	Fe
2429	COD	3312-17, 24, 25	Al; Zn
2435, 36	COD	3321, 22	Al; Cu; Fe; Zn
2449	COD	3356	Cu; Zn
2451, 52	COD	3364, 69	Cu; Zn
2491	As; Cu	34XX <sup>*****</sup>	Zn; Fe; Al; N+N
2493	COD	3479	Zn; N+N
2631	COD	4953	Mg; As; Pb; Hg; Se; Ag; NH3; COD; CN
2819	Al; Fe; N+N	4424, 89, 99	Al; Fe; Pb; Zn
2821, 22	Zn	4512, 13, 22	BOD; COD; NH3
2841, 42, 44	Zn; N+N	4911	Fe
2873, 74, 75	Fe; Pb; Zn; N+N; P	4953	Fe
3011	Zn	5015	Fe; Al; Pb
3052, 53	Zn	5093	Fe; Pb; Al; Zn; COD

<sup>\*</sup> Minimum parameters required by this General Permit are bordered in bold

<sup>\*\*</sup> Many analytical parameters can be consolidated in "like" collection bottles

<sup>\*\*\*</sup> Annual numeric action level (NAL) is triggered when the average of all analytical results during a reporting year storm season are exceeded

<sup>\*\*\*\*</sup> Instantaneous maximum numeric action level (NAL) is triggered when two or more results during a reporting season are exceeded

<sup>\*\*\*\*\*</sup> Industries can look up their industrial activities SIC code by accessing this link <https://www.osha.gov/pls/imis/sicsearch.html>

<sup>\*\*\*\*\*</sup> XX defines a broad range of SIC codes within a specific industrial classification

Qualifying Storm Event (QSE): (a) Produces a discharge from at least one drainage area; and (b) is preceded by 48 hours with no discharge from any drainage area.