

Monthly Average (all of the samples in a month) Weekly Average (samples within a certain week) C= concentration F=flow L= loading

NOT Continuous Recorder		
Concentration		
Concentration Average=	<u>C1 + C2 + C3 + C4</u> 4	
Loadings		
Loading Average=	$\frac{L1 + L2 + L3 + L4}{4}$	
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WITH Continuous Recorder		
Concentration		
Concentration Average (C <sup>fw</sup> )=	<u>C1(F1) + C2(F2) + C3(F3) + C4(F4)</u> F1 + F2 + F3 + F4	
Loadings		
Loading Average=	C <sup>fw</sup> x <u>F1+F2+F3+F4</u> x 8.34 lbs/day 4	
Fecal Coliform Geometric Average		

Geometric Mean (Average) =

<sup>n</sup>√(C1)(C2)(C3)(C4)......

Geometric Mean (Average) is the product of all the sample values followed by taking the nth root of the resulting value where n equals the number of samples

Example: 4 samples of 150, 75, 200, 24 Multiplied together equals 54,000,000 The 4th root equals 85.72

For more information, see the EPA NPDES Reporting Requirements Manual on the Water Enforcement page of the LDEQ public website at www.deq.louisiana.gov.