

Effluent Toxicity Report Form- Chronic Pass/Fail and Acute LC50

Date 9/1/25

Facility NC WWTP NPDES# NC 0012345 Pipe # 001 County Wake

Laboratory Performing Test _____

Comments No Flow For August 2025

X Sign here

(123) 456-7890

Signature of Operator in Responsible Charge

ORC Phone / Email

X

Signature of Laboratory Supervisor

Water Sciences Section

Division of Water Resources, NC DENR

1621 Mail Service Center

Raleigh, NC 27699-1621

MAIL ORIGINAL TO:

North Carolina Ceriodaphnia Chronic Pass/Fail Reproduction Toxicity Test

CONTROL ORGANISMS 1 2 3 4 5 6 7 8 9 10 11 12

Young Produced

Adult (L)ive (D)ead

Effluent%

TREATMENT 2 ORGANISMS 1 2 3 4 5 6 7 8 9 10 11 12

Young Produced

Adult (L)ive (D)ead

Chronic Test Results

Calculated t _____

Tabular t _____

% Reduction _____

% Mortality _____ Avg. Reprod. _____

Control Control

Treatment 2 Treatment 2

Control CV

% control organisms producing 3rd brood

PASS FAIL

Check One

	1st sample	1st sample	2nd sample
pH Control			
Treatment 2			
	start end	start end	start end
D.O. Control			
Treatment 2			
	1st sample	1st sample	2nd sample

LC50/Acute Toxicity Test

(Mortality expressed as %, combining replicates)

%	%	%	%	%	%	%	%	%	%	%	%
%	%	%	%	%	%	%	%	%	%	%	%

Concentration

Mortality

LC50= _____ %

95% Confidence Limits

_____%-_____%

Method of Determination

Moving Average ☐

Probit ☐

Spearman Karber ☐

Other _____

Organism Tested _____ Duration (hrs) _____

Complete This For Either Test

Test Start Date

Collection (Start) Date

Sample 1 / /

Sample 2 / /

Sample Type/Duration

Grab Comp. Duration

Sample 1

Sample 2

1st Tox Sample
(Pass/Fail Only)
2nd Tox Sample
(Pass/Fail Only)

Hardness(mg/l)

Spec. Cond.(µmhos)

Chlorine(mg/l)

Sample temp. at receipt

Note: Please Complete This Section Also

start/end

start/end

Control

High Conc.

pH

D.O.

Example : No Flow