

March 14, 1974

Memo to: Howard Steeley, Gerry Calkins

From: Hans Cregg

Subject: Efficiency Study of Toledo Sewage Lagoon.



On October, 10, 1973, a brief survey was conducted at the Toledo Sewage Treatment Lagoon. The survey consisted of taking one effluent grab sample and four coliform samples at various times throughout the day. No influent sample was taken since this would have required the use of a boat (the influent was piped to the center of the lagoon). The results thus obtained are as follows:

Effluent:

pH	7.4	T.S.	351
COD	210	T.N.V.S.	177
BOD	23	T.S.S.	161
Cond.	330	T.S.N.V.S.	0

Coliform counts are as follows:

Time	09:35	12:30	15:00	15:30
Total	<200	<100	<100	<100
Fecal	<100	<40	<40	<40

HC:jmh

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

ORIGINAL TO: ..R. Devitt.....  
COPIES TO: ..H. Crabbe.....  
.....  
LAB FILES .....

DATA SUMMARY

Source Toledo STP

Collected By ACD & HC

Date Collected 10-9-73

Goal, Pro./Obj. \_\_\_\_\_

Log Number:	73- 3746	3691	92	93	94						STORET
Station:	EFF	0935	1230	1500	1530						
pH	7.4										00403
Turbidity (JTU)	20.										00070
Conductivity (umhos/cm)@25°C	330										00095
COD	210										00340
BOD (5 day)	23										00310
Total Coliform (Col./100ml)	-	<200	<100	<100	<100						31504
Fecal Coliform (Col./100ml)	-	<100	<40	<40	<40						31616
NO3-N (Filtered)											00620
NO2-N (Filtered)											00615
NH3-N (Unfiltered)											00610
T. Kjeldahl-N (Unfiltered)											00625
O-PO4-P (Filtered)											00671
Total Phos.-P (Unfiltered)											00665
Total Solids	351										00500
Total Non Vol. Solids	177										
Total Suspended Solids	161										00530
Total Sus. Non Vol. Solids	0										
COLOR	175										

Note: All results are in PPM unless otherwise specified. ND is "None Detected"  
Convert those marked with a \* to PPB (PPM X 10<sup>3</sup>) prior to entry into STORET

Summary By Stephen P. Hall Date 11-9-73