WA-26-1040

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:

pН	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

DATA CIMMADY

ORIGINAL TO	:		
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LAB FILES	• •	•	••
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STORET

00403

00070

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00340

00310

31504

31616

00620

00615

00610

00625

00671

00665

00500

00530

			DATA	SUMMA	KI.					LAB F	ITE2
source Toledo STI	10			Co	Collected By <u>RCD & HC</u>						
Date Collected 10-9-	73	_				Go	oal, P	ro./0b	j		
Log Number: 73-	3746	3691	92	93	<u>. 94</u>	-	- r			• • • • • • • • • • • • • • • • • • •	STOR
Station:	EFF	0935	1230	1500	1530			_			
рН	7.4				ļ		ļ		_		0040
Turbidity (JTU)	20.					WARDEN CONTRACTOR	+		_		0007
Conductivity (umhos/cm)@250	330				 		ļ				0009
COD	210		-				L	_			0034
BOD (5 day)	23									ļ	0031
Total Coliform (Col./100ml)	-	1200	<u> (100</u>	L100	(100	-	l <u> </u>				3150
Fecal Coliform (Col./100ml)	-	5100	(40	<u>Lyo</u>	40	Egitalmiliya vagarasan vasagava			-	ļ	3161
NO3-N (Filtered)	L					nijedjužini od stalje njego na konjego na konj			L		0062
NO2-N (Filtered)	ļ			-		INTERNAL DESCRIPTION			ļ		0061
NH3-N (Unfiltered)	L			-		-				 	00610
<u>T. Kjeldahl-N (Unfiltered)</u>							 				0062
<u>O-PO4-P (Filtered)</u>						AM-MININGSCORECOMMOND	 		-		0067
Total PhosP (Unfiltered)						aliantesta la constructione a				ļ	0066
Total Solids	351		-				******				00500
Total Non Vol. Solids	177					1					
Total Suspended Solids	161										00530
Total Sus. Non Vol. Solids	0							ļ. <u></u>			
COLOR	175					Colden - les ajuating	• 4000-000-000-00-00-00-00-00-00-00-00-00-				
							-			·····	
				-1			4 Cardiogram				
	I 1	1	1	5	1	20		1	1	1	1

All results are, in PPM unless otherwise specified. ND is "None Detected" Convert those marked with a * to PPB (PPM X 10³) prior to entry into STORET Note:

Summary By___

Stephen & Rall

Date 11-9-73