

March 14, 1974

WA-26-1092

Memo to: Howard Steeley, Gerry Calkins
 From: Hans Cregg
 Subject: Efficiency Study of Vader Sewage Lagoon.



On October 10, 1973, a brief survey was conducted at the Vader Sewage 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). At the time that this survey was conducted, the lagoon's chlorinator was inoperative, consequently no chlorination took place. Nevertheless, the results obtained were as follows:

Effluent:

pH 7.2
 COD 52
 BOD No lab data provided
 Cond. 1500

T.S. No lab data provided.
 T.N.V.S. " " " "
 T.S.S. " " " "
 T.S.N.V.S. " " " "

Coliform:

Time	10:00	12:15	12:45	13:15
Total	4500	480	<400	<400
Fecal	780	<40	<40	<40

HG:jmh

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

ORIGINAL TO:
. H. GREGG.....
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. R. DEVIET.....
.....
LAB FILES.....

DATA SUMMARY

Source VADER STP

Collected By RCD

Date Collected 10-9 *

Goal, Pro./Obj. _____

Log Number:	73-3690	3857	58	59	60						STORET
Station:	EFF 1000	EFF	1215	1245	1315						
pH	-	7.2									00403
Turbidity (JTU)	-	20.									00070
Conductivity (umhos/cm)@25°C	-	1500									00095
COD		52									00340
BOD (5 day)											00310
Total Coliform (Col./100ml)	4500	-	480	<400	<400						31504
Fecal Coliform (Col./100ml)	780	-	<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											00500
Total Non Vol. Solids											
Total Suspended Solids											00530
Total Sus. Non Vol. Solids											
COLOR	-	120									

Note: 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

delayed due to CONFUSION IN
THE REQUEST

Summary By

Stephen D. Roll

Date 12-3-73