ГО:	Stew Messman and Larry Lewis	State of
FROM:	Jim Armstrong	Washington Department of Ecology
SUBJECT:	Whitney-Fidalgo Fish Processors Effluent Evaluation	
DATE:	<u>September 13, 1973</u>	

On Wednesday, August 22, 1973, an effluent evaluation was done at Whitney-Fidalgo Fish processors. The study was begun at 0830 hours and ended at 1330 hours with samples taken every one half hour.

Samples were taken from three areas: the fish transport water, the main effluent, and the secondary effluent, which empties out underneath the fresh fish conveyer.

The effluent from the head auger goes to the sewer.

Approximately 147,151 pounds of fish were processed on August 22, 1973. The amount coming out as finished product was 6,319 cases (48 cans to a case). 3,637 cases were 8 ounce cans and 1,682 were 4 ounce cans.

The roe consisted of 165 boxes with 22 pounds per box, for a total of 3,630 pounds.

JA:jmh

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

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DATA SUMMARY

Source WATNEY FINA	-			Collected By_	J.A		
Date Collected					Goal, Pro./Ob	j	
Log Number: 73-	3/07	3(c)	3109			VIII.	STORET
Station;	FRESH FISH BFF	EFF	PERT PERT PERT				
23	6.8	65	6.8				00403
Turbidity (JTU)	44	550	30				00070
Conductivity (umhos/cm)(0250	38,000	2,100	52,000				00095
COD		5360					00340
BOD (5 day)	243	2930	270				00310
Total Coliform (Col./100ml)	-	Sugar	(2geed				31504
Fecal Coliform (Col./100ml)	-	(19cco	Ligione				31616
NO3-N (Filtered)	.20	51,	.02				00620
NO2-N (Filtered)	-02	.02	.20				00615
NH3-N (Unfiltered)	1.6	4.8	1.0				00610
T. Kjeldahl-N (Unfiltered)	54	45.8	5.6				00625
0-PO4-P (Filtered)							00671
Total PhosP (Unfiltered)	220.	580	340				00665
Total Solids	18,150	4552	32,650				00500
Total Non Vol. Solids	24,260	825	27,490				
Total Suspended Solids	159	2900	208				00530
Total Sus. Non Vol. Solids	9	65	39				
COLOR	870	1480	490				
TOTAL GARRES (PERSONE EX)	-	198	-	14-3			
1							
1							
Value 113 and 1							
CONTRACTOR AND THE PROPERTY OF							

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

Summary By Styler S. Roll Date 9-10-73

STP SURVEY REPORT FORM

				they-Fidal					
City Anacortes	p	lant Tw	no Fi	sh Proc Pa					
out of the same		aunt ay	Pr.	Sa LLOC. PO	rved		Des	1gn	
								acity	
Receiving Water					Enginee	r			
									17.541
Date August 22, 1	973 50	rvey Pe	Tlod_	0900-1330 1	oursur	vey Per	sonnelDe	vitt-Armst	cong
Comp. Sampling Freq	uenev Ev	ery ha	1F h	Oll Wantham C	andinian				
				(last 48 l	mareron				_
C	0.0			(2000 40)	100137				
Sampling Alequot 6	ou mis.								
				PLANT OPERATI	7/7				
							. *		
Total Flow Not re	corded			How	Measure	d			
Max. (Flow)	11100	or Max	·		Min.		Time	of Min	
Pre Cl ₂	514	av	D.	net Cl		012			
2	- 1/4	ωy.	4.1	2		r/day			2
									_
				FIELD RESULT	15				
	Tra	nsport	Wat	er	Mai	n	Effluent		
							1		
Determinations	Max.	Min.	Mean	n Median	Max.	Min.	Mean	Median	1
Temp. °C	1.2	10.1	11	111	19.6	1.8	118.7	18.6	
pH	7.0	5.8	-		7.0		1	6.7	
Conductivity						The National States		Fidension - T	
(umhos/cm)			15		6000	1850		2750	
Settleable									
Solids	1	.6	. 8	.8	35	27	31	31	
					7.5				
*: 31									
		LABORA	TORY I	RESULTS ON CO	MPOSITE	IN PPM			
	Transt	orr Wa	tor!	Main Effluer		1 40			-
Laboratory Number	22000	701 C 110		THE ELITUE	1.5	- A	Reducti	on	-
according number	4								1
5-Day BOD	27	0		2930		-			-
COD	690			5360		-			
r.s.	32,050			4552		1			-
I.N.V.S.	27,490			825		1			-
T.S.S.		8		2900		1			-
N.V.S.S.		34		65		1			-
pH		8.8							-
Conductivity	52,00			2100		1			-
Turbidity		30		550		1			-

BACTERIOLOGICAL RESULTS

Na₂S₂O₃ added to sample Previous Affice to Sampling min.

LAB Ø	SAMPLING TIME	COLONIES/100 MLS (MF)	Cl Residual			
		Fecal Coliform	ppn	(after secs		
Transport water		<10,000				
Main Effluent		<10,000				
1						

rator's Name_		 Phone #	
ments:			14
		<u> </u>	
	3		
		 	23
		<i>2</i>	
			# ±5