TO	Tom McCann, Ron Pine, Ron Devitt	
TO:	and Files	State of Washington
FROM:	Jim Armstrong	Department of
SUBJECT:	Lynden Frosted Foods Efficiency Study	
DATE:	September 7, 1973	

On Wednesday, August 15, 1973, an efficiency survey was conducted at Lynden Frosted Foods, Lynden, Washington. The survey lasted from 1100 hours to 1500 hours with 600 ml samples taken every half hour.

The total weight of the raw products brought into the plant between 0700 hours and 1900 hours was 152,320 pounds of peas. The total weight of the processed peas was 137,338 pounds of frozen peas.

The remaining 13,238 pounds of waste peas were hauled away by a cattle farmer. The trucks were not weighed in or out, so there is no way of telling just how much of the total waste actually went to the farmer and how much went into the waste water, onto the ground or elsewhere.

The Coliform tests seem to indicate that the Fecal Strep bacteria was not of human origin.

The ph's in the field ranged from 7.0 to 8.4.

JA:jmh

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2.0				CIENCY STU						
			Lynder	n Fròsted						
City Lynden	P	lant Ty	pe Food	S Pop Sei	ulation		Desi Capa	gn		
Receiving Water No	oksack	River				r	Capa	city		
							J	im Armstrong		
						0.000 - 0.0000		-		
Comp. Sampling Freq	uency_Ev	rery 1/	2 hour	Weather Co	ondition	s_Clear	r, hot			
				(last 48 h	iours)					
Sampling Alequot	600 mls									
245 2	196 CAL	11 100	PLA	NT OPERATI	ION					
Total Flow 29,412	2-6 hrs!	GINCS				d Wate	r Meter			
Max. (Flow)	LyndenPlant Type_Foods ring Water_Nooksack River uuqust 15, 1973_Survey Period1100 Sampling Frequency_Every 1/2 hour ng Alequot600 mls		Min.	220.22	Time of Min.					
Pre Cl.	₿/d	av	Post	C1		#/day				
2		-,	1.005	2						
			FI	ELD RESULT	rs .					
	Influent					1	Effluent			
Determinations	Max.	Min.	Mean	Median	Max.	Min.	Mean	Median		
Temp. "C							19.8	20.4		
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		LABORA	TORY RES	CLTS ON CO	MPOSITE	IN PPM				
	Inf	luent	1	Effluer	t-	Z Z	% Reduction			
Determinations Max. Min. Mean Median Max. Min. Temp. *C I	110000220									
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57ATE OF WASHINGTON DEPARTMENT OF ECOLOGY WATER QUALITY LABORATORY								OFICINAL TO: J. Denistration COPIES TO:				
DATA SUMMARY										LAS FILES		
source Lynden Mosred	Foods	5				Col	lected	By				
Date Collected <u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	23.					G0 8	l, Pro	./Obj				
Log Number: 73-	2750									STORET_		
Station:	EFF	DAAIN EFF	DRAM		.							
p?										06403		
Turbidity (JTU)	200.	_							· · · · · · · · · · · · · · · · · · ·	09070		
Conductivity (umbos/cm)@250	2500	!								00095		
<u>COB</u>	985	}								00349		
BOD (5 day)	63Z						_			00310		
Total Coliform (Col./100ml)		26.00	1.600		_					31504		
Fecal Coliform (Col./100ml)		>8000	(z000							31616		
NO3-N (Filtered)	0.42	ļ 		 			·			00620		
NO2-N (Filtered)	ND									00615		
XH3-N (Onfiltered)	 		-						<u> </u>	00610		
<u>T. Kjeldahl-N (Unfiltered)</u>	<u> </u>									00625		
O-PO4-P (Filtered)	 		1			ĺ				00671		
Total PhosP (Unfiltered)	2.50									00665		
Total Solids	2040	I								00500		
Total Non Vol. Solida	1405	<u> </u>										
Tatal Suspended Solids	485									00530		
Total Sus. Non Vol. Solids	266											
COLOR	94											
_ FECAL STREP (Couliogn	ð	740,000	\$4000									
t							·					
1												
Note: All results are in H												

to PPB (PPM X 10") prior to entry into STORET Summery By J. Liphon D. All Date 9-4-15