

City NEPELEM Plant Type 11600N Population 313 Design Capacity \_\_\_\_\_  
 Served \_\_\_\_\_  
 Receiving Water NEPELEM RIVER Engineer \_\_\_\_\_  
 Date 10/27/71 Survey Period 0700 - 1500 Survey Personnel J. L. BAUER  
 Comp. Sampling Frequency HOURLY Weather Conditions WINDY - SUNNY  
 (last 48 hours)  
 Sampling Alequot 1000 ML

PLANT OPERATION

Total Flow \_\_\_\_\_ How Measured \_\_\_\_\_  
 Max. (Flow) \_\_\_\_\_ Time of Max. \_\_\_\_\_ Min. \_\_\_\_\_ Time of Min. \_\_\_\_\_  
 Pre Cl<sub>2</sub> \_\_\_\_\_ #/day Post Cl<sub>2</sub> \_\_\_\_\_ #/day

FIELD RESULTS

Determinations	Influent				Effluent			
	Max.	Min.	Mean	Median	Max.	Min.	Mean	Median
Temp. °C	14.8	12.0	13.4	13.4	5.0	4.0	4.4	4.5
pH	8.2	7.6	7.8	7.9	8.6	8.2	8.3	8.4
Conductivity (umhos/cm)	—	—	—	—	—	—	—	—
Settleable Solids	10	4	—	—	NK	NIL	—	—

LABORATORY RESULTS ON COMPOSITE IN PPM

Laboratory Number	Influent	Effluent	% Reduction
5-Day BOD	320	38	89
COD	660	175	74
T.S.	858	472	43
T.N.V.S.	432	306	30
T.S.S.	448	115	75
N.V.S.S.	127	21	84
pH	/	/	/
Conductivity	/	/	/
Turbidity	/	/	/

NESPELEM

BACTERIOLOGICAL RESULTS

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> added to sample NONE After \_\_\_\_\_ min.

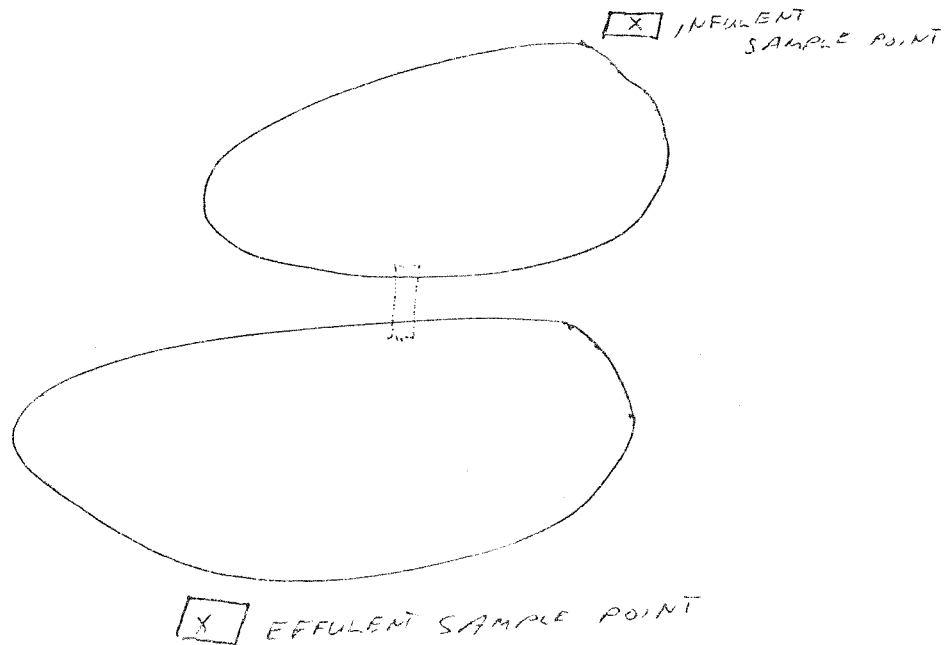
LAB #	SAMPLING TIME	COLONIES/100 MLS (MF)	Cl Residual	
			ppm	(after secs)
3507	0800	50 000	2	
3508	1000	60 000	0	
3509	1200	60 000		70
3510	1400	70 000		70
3511	1500	60 000		

Operator's Name FRANK LAMBERT Phone # 634-4273

Comments: FLOW WAS NOT RECORDED DUE TO NO MEASURING DEVICE. CONDUCTIVITY

WAS NOT MEASURED DUE TO A MALFUNCTION OF CONDUCTIVITY METER

NO CHLORINATION FACILITIES AT THIS PLANT



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

WATER POLLUTION CONTROL DIVISION

ANALYTICAL REPORT SHEET

Original to LABORATORY

Copies to: \_\_\_\_\_

Ron Devitt

J. Baumer

\_\_\_\_\_

DON PROVOST

1 J. Baumer

The following are the analytical results from survey conducted at:

Nespelem Lagoon

04-006

Collected 10/27/72

LAB. NO.	STATION NO.	pH	Turbidity	specific conductivity	BOD ppm	COD ppm	Total Coliform	Cl <sub>2</sub> Residual
<u>71-3512</u>	<u>Influent</u>	<u>6.8</u>		<u>723.</u>	<u>320.</u>	<u>660.</u>		
<u>3513</u>	<u>Effluent</u>	<u>8.1</u>		<u>526.</u>	<u>38.</u>	<u>175.</u>		
<u>3507</u>	<u>3</u>						<u>50,000.</u>	
<u>3508</u>	<u>4</u>						<u>60,000.</u>	
<u>3509</u>	<u>5</u>						<u>60,000.</u>	
<u>3510</u>	<u>6</u>						<u>70,000.</u>	
<u>3511</u>	<u>7</u>						<u>60,000.</u>	
		<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>		
		<u>T.S.</u>	<u>T.N.V.S.</u>	<u>T.S.S.</u>	<u>T.S.N.V.S.</u>	<u>S.C.S.</u>		
<u>71-3512</u>	<u>Influent</u>	<u>858.</u>	<u>432.</u>	<u>448.</u>	<u>127.</u>			
<u>3513</u>	<u>Effluent</u>	<u>492.</u>	<u>306.</u>	<u>115.</u>	<u>21.</u>			

Notes:

Summarized by Pat Lee  
 Date 11/3/72