

MEMORANDUM
Department of Ecology

72-221

Information
For Action
Permit
Other

Check

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TO: Nelson Graham

DATE: October 12, 1972

FROM: Ron Devitt *RD*

SUBJECT: National Fruit Processing, Chehalis

On September 18, 1972, Hans Cregg ran a survey on National Fruit Processing. Composite samples were taken every fifteen minutes from 0915 hours to 1645 hours before and after the shaker screen. Influent samples were taken above the screen while the pump was operating. Effluent samples were taken from the downpipe after the screen. The values reported on the effluent represent the characteristics of the industry's contribution to the Chehalis sewage treatment plant.

Field Data

| <u>Time</u> | <u>Temp. (°C)</u> | <u>pH</u> | <u>Settleable Solids (ml)</u> | |
|-------------|-------------------|-----------|-------------------------------|-----------------|
| | | | <u>Influent</u> | <u>Effluent</u> |
| 11:00 | 24 ⁰ | 6.6 | 16 | 3.5 |
| 1:00 | 28 ⁰ | 6.6 | 16 | 4.0 |
| 2:15 | 27 ⁰ | 6.6 | 12 | 2.5 |
| 3:45 | | | 19 | 3.5 |

Total water treated - 1193 ft.³ in 7 hours 45 minutes.

Laboratory Data

| | <u>Influent</u> | <u>Effluent</u> |
|-------------|-----------------|-----------------|
| pH | 6.8 | 6.5 |
| COD (ppm) | 3800 | 3400 |
| BOD (ppm) | 3300 | 3500 |
| TSS (ppm) | 1860 | 364 |
| TSNVS (ppm) | 20 | ND |

RD:bj

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

ORIGINAL TO:
RON DEVITT
COPIES TO:
.....
.....
LAB FILES

DATA SUMMARY

Source NAT. FRUIT CANNING, INC.

Collected By HANS GRAIG

Date Collected 9/18/72

Goal, Pro./Obj. 3-2-23

| Log Number: | 72-3538-3539 | | | | | | | | | STORET |
|----------------------------------|--------------|------|--|--|--|--|--|--|--|--------|
| Station: | INF | EFF | | | | | | | | |
| pH | 6.8 | 6.5 | | | | | | | | 00403 |
| Turbidity (JTU) | | | | | | | | | | 00070 |
| Conductivity (umhos/cm)@25°C | | | | | | | | | | 00095 |
| COD | 3800 | 3400 | | | | | | | | 00340 |
| BOD (5 day) | 3300 | 3500 | | | | | | | | 00310 |
| Total Coliform (Col./100ml) | | | | | | | | | | 31504 |
| Fecal Coliform (Col./100ml) | | | | | | | | | | 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 | 1860 | 364 | | | | | | | | 00530 |
| Total Sus. Non Vol. Solids | 20 | ND | | | | | | | | |
| SETTLABLE SOLIDS ^{ML/L} | 740 | 35 | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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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 Mary F. Adams Date 10/6/72