STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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MEMORANDUM

Publication No. 71-e11

October 4, 1971

WA-24-2020

MEMO TO: NELSON GRAHAM

FROM:

RON DEVITT

SUBJECT: Weyerhaeuser - Raymond

Industrial Survey

On August 25, 1971, I composited Weyerhaeuser's industrial clarifier at Raymond. The influent was composited as it entered the clarifier (sedimentation tank); the effluent as it crested the weir, there was no flow from the effluent until 0822 hours. The results of this sampling are attached.

In addition, other discharges were inspected, beginning from the chimney south of the sedimentation tanks. The following were observed proceeding west and south. Estimates are approximate.

- 12 inch pipe about 1/3 full many wood chips in the discharge.
 1015 hrs. the T=41C
- 2. 6 inch pipe, small volume, about 1/16 full, directly west of chimney. T=90°C
- 3. T=48°C
- 4. 36 inch culvert, main flow, T=29°C

One sample was taken for coliform analyses for background data. Values taken from the Willapa River in the vicinity of the mill recorded values for total coliform of less than 300/100 mls. For fecal coliform less than 40/100 mls. The numbers of coliform in the effluent were total, greater than 160,000/100 mls. Fecuel, greater than 1200/100 mls. These high values originating from a fecal source, whether from a sanitary hook-up or a regrowth, represent a potential health hazard. It could be determined if this were due to regrowth by sampling the influent to the clarifier and the effluent, and comparing the values. Additional samples should be taken to verify that disinfection is required.

DATA REPORT FORM

Location: Weyerhaeuser @ Raymond

Station and Log number

•	Influent				Effluent			
Field Results	Max.	Min.	Mean	Median	Max.	Min.	Mean	Median
Temp °C	27.8	24.8	26.7	26.6	31.0	22.8	28.3	28.9
рH	7.2	6.6	7.0	7.0	7.2	6.6	6.9	7.0
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