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FROM (NAME & LOCATION) B. T. Dean

DATE August 24, 1971

SUBJECT Monthly Report, August, 1971
Waste & Water Services

REFERENCE

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PFC

SUMMARY

At Pensacola, no change is seen in the data from deep monitor wells. The secondary sewage treatment system is back in operation. Surface condenser installations in Intermediates have reduced total flow of water in the west ditch and have cut the BOD and nitrate discharge. Preliminary data on a test oxidation pond treating west ditch effluent are not encouraging. PCB monitoring shows a low level of Aroclor still going to the river from the south outfall. Cleaning of the chilled water lines is still proceeding. Dr. Wurtz is on the plant for a quarterly macro-invertebrate river survey. Oil removal in the outfall is looking generally good. Work is under way on a proposed program of study in connection with development of alternative waste disposal systems.

At Decatur, Afghan Brown dye waste was tested in the lab anaerobic unit, and acceptable color reduction was achieved. A pilot plant has been set up for testing of a sludge conditioner for possible use on Decatur treatment plant sludge. A literature search is being made on cadmium toxicity in connection with pre-project board work on the unicell.

At Greenwood, a new pollution control coordinator has been appointed.

The first air audit reports have been received and are being forwarded to CED.

Part B of Corps of Engineers permit application forms are being prepared by all plants for October 1 submission.

MONS 098269

IN-10 REV. 11-65

PENSACOLA

Deep Well Disposal of Acid Wastes

The monitoring program is still active, with no change seen in the data this period.

Secondary Treatment of Domestic Sewage

The system was in continuous service this period with acceptable transfer pump performance.

Long Range Waste Disposal Plan

Installation of surface condensers and changes in river cooling water flow rates in Buildings 416 and 476 have reduced the total flow in the West Ditch considerably. Approximately 330 gpm of condensate now flowing into the West Ditch could be routed to cooling tower makeup. This would leave about 7000 gpm containing about 1000 ppd TOC to be treated. Preliminary data on a test oxidation pond unit are not encouraging. Only 5 days of holdup is being provided in the test, and perhaps a longer residence will give better results. Further work will be done before a recommendation is made.

PCB Monitoring

Samples taken on several days during the period from 7/7 through 8/2 show that about 2.0 ppB of Aroclor 1254 is still being discharged through the South outfall. The highest level in the river water intake was 0.47 ppB, and it usually ranged down to less than the lowest detectable level, 0.08 ppB. One only sample was taken at the woodlined ditch sample station, and it showed less than 0.08 ppB. It is hard to see how any PCB could still be picked up from any bottom sediments, since this is a new outfall, so an explanation of the presence of even 2 ppB is difficult.

Chilled Water Lines Plant Test

Treatment application continues, with results to be determined by CED next week.

Escambia River Macro-invertebrate Survey

Dr. Wurtz is conducting a quarterly survey on the river this week.