

MONITORING OF INDUSTRIAL EFFLUENTS WITH A
VIEW TO POLLUTION CONTROL

D.P. de Alwis, H. Yatapana,
N.H. Dassanayake, & R.P. Pereira
National Aquatic Resources Agency, Colombo 15.

Since January 1986, the monitoring of effluent from factories set up in the Katunayake and Biyagama Export Processing Zones was conducted for the G.C.E.C. by the National Aquatic Resources Agency. Eight factories were selected for regular monitoring at Katunayake based on the nature of the operations carried out in these factories.

In addition to the effluents released from factories the operations of the common waste water treatment plant was also monitored in order to keep check on the efficiency of the treatment process.

Among the physico - chemical parameters chosen for monitoring the effluent were Temperature, Turbidity, Conductivity, pH, Residual chlorine, Dissolved oxygen, Chlorides, Ammonia, Nitrates, Phosphates, Organic matter and Biochemical Oxygen Demand.

Results indicated that the factories generally keep within the standards specified by the G.C.E.C. for effluent released (eg. pH - 8.5, Temp. 45⁰C, BOD <200 mg/l, Ammonical nitrogen <50 mg/l). Occasionally short term effluent discharges which do not meet the specified standards in some parameters have been observed from a few factories. However, these have not affected the overall treatment process at the common waste water treatment plant.

10th Dec. 1987 (Thursday) 01.00 p.m. - 01.15 p.m.