



## **ENVIRONMENTAL QUALITY MONITORING PROGRAM: RIVER WATER QUALITY MONITORING NETWORK**

The Environmental Quality Monitoring Program (EQMP) is a program that consists of a air quality monitoring stations network as well as river and marine water quality that generates environmental quality data throughout the country. The EQMP program is an important element in creating effective and sustainable environmental management.

The river water quality monitoring component of the EQMP consists of 30 **automatic river water quality monitoring (CRWQM)** stations and 1,353 **manual river water quality monitoring (MRWQM)** stations located throughout the country.

The objective of CRWQM stations is to provide continuous data to assess the river water quality located at the upstream of the water treatment plant in selected river basins except for one (1) CRWQM station located in Sungai Klang that aimed to monitor river water quality under the River of Life (ROL) Project.

Meanwhile, the objective of MRWQM stations is to provide river water quality trend data in the long term and subsequently as a basis for the assessment of river water quality in Malaysia. In addition, MRWQM data also aims to evaluate the effectiveness of management strategies and action plans in assisting enforcement actions.

River water quality data at **automated monitoring stations** are conducted continuously with in-situ measurements of relevant parameters. As for river water quality data at **manual monitoring stations**, there are two sampling methods carried out, namely in-situ measurement and accredited laboratory analysis. The frequency of sampling at the manual stations is six (6) times a year. The Water Quality Index (WQI) generated from the CRWQM and MRWQM stations is representative of river water quality monitored during sampling or when data measurements are performed.

Data from the CRWQM and MRWQM networks are subjected to quality control protocols and tight operating procedures to ensure the generated data is valid and accurate.