Total-flow Proportional, Auto-Sampler for Pumping Station S-5A

EAA-EFA Mandates

Samples must be collected so that they are representative of the overall discharge from the station.

Limitations of Current Auto Sampler & Grab

- Sampling may be from a stagnant zone if Pump 4 is not running.
- Variations in phosphorus concentration with time; might not be adequately captured in the aliquots.
- Total phosphorus loading based on such a sample concentration will not be accurate.

Salient Features of This System

- Innovative total flow auto-sampler: flow-proportional continuous sampling
- Representative sampling from each pump
- Completely refrigerated system
- Robust control, data logging, and remote query using MOSCAD

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