

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

EAA-EFA Mandates

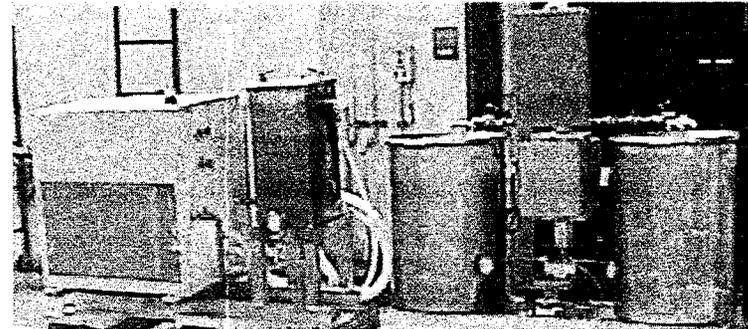
Samples must be collected so that they are representative of the overall discharge from the station.

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.



Naomi Duerr, PG
Bahram Charkian



Auto-Sampler ready for installation at the S-5A Pumping Station

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



Dr. M.A. Ebadian
Dr. Rajiv Srivastava
Anindra Mazumdar
305.348.6621