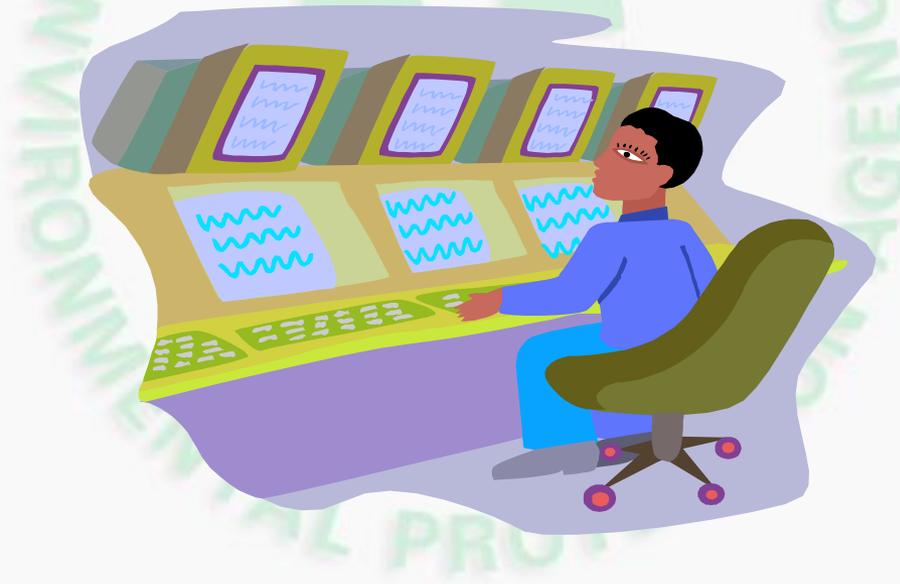


# NAQC Training Sessions

## Commercial Data Systems

May 14, 2012

8:00 – 12:00





## Session Goals

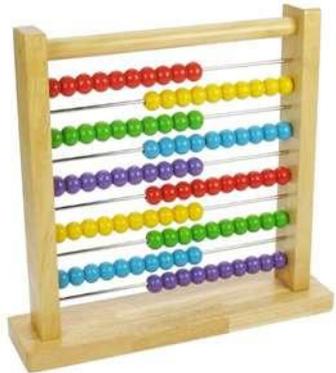
- Explore ways to maximize the efficiencies supported by commercially available data systems
- Inspire you to evaluate the adequacy of your current system and potentially take fuller advantage of it's capabilities
- Encourage you to consider upgrading or replacement if your system is dated/limited



## A Brief Discussion of Terminology

- Data acquisition system or **DAS**
  - Often considered the front-end portion of the data system (data logger, on-site software, monitor interfaces)
- Data Management System or **DMS**
  - The entire system which includes the front-end as well as centralized software to handle data management such as validation, AQS transactions, AIRNOW/AQI reporting, alarm generation, etc.

# Is Your Data System Limiting?



AQI Calculator



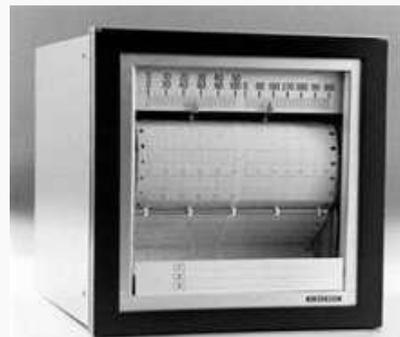
AIRNOW interface



Programming Staff



Backup System



Real time display



# Can Your Data System do this?

- Support a 100% digital communication environment
- Poll instrument diagnostics and notify operators when faults are suspected
- Allow remote access to all instruments
- Automatically screen ambient and calibration data and insert validation flags based on user defined criteria
- Communicate directly with calibrators to initiate automated multipoint calibrations at specifically defined concentrations
- Exchange data with AQS and AIRNOW using latest file formats (XML, AQCSV)



# Our Faculty

George Erdman

Northern Sonoma County APCD

Jennifer Bradley

Polk County (IA) Public Works  
Air Quality Division

J.B. Dennison

SLR International Corp

Mark Stoelting

Bay Area AQMD

Alan Chan

Sonoma Technology, Inc





## Key Topics

- Introductory comments
- Acknowledging the vendors
- Technical presentations  
(George, Jennifer, J.B., Mark)
- AirNow transition to AQCSV format (Alan)
- Q&A (All)



Break at 10:00 am!