

# MWQI Field Support Activities



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# MWQI Field Support: What We Do

- Vehicle Management
- Office Management
- Monitoring Activities
- Data Management
- R&D&R activities



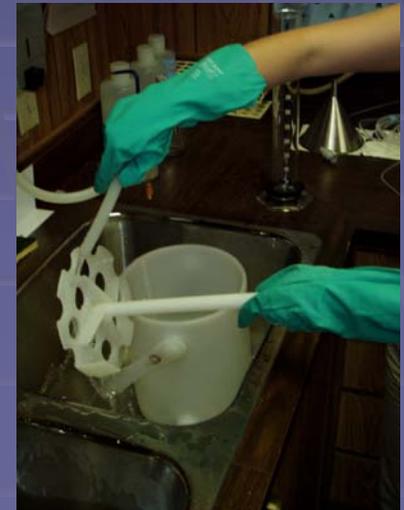
# Vehicle Management

- Keeping Track of Maintenance Requirements
- Field Run Preparations
- MEO: “You got the money, honey...I’ve got the (vehicle for a long) time.”
  - Get around MEO constraints:
    - Non-Permanent vehicle alterations
    - Perform maintenance at times of lower vehicle demand



# Office Management

- Building Maintenance
- Supply Ordering
  - Office & Cleaning supplies
  - DI water system
  - Real-Time Monitoring supplies
    - Instrument Specific
    - Compressed Air
    - Water Delivery Systems
- Equipment Cleaning



# Monitoring Activities

- Discrete Monitoring
- Real-Time Instrument QC and Maintenance
- Special Studies



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NDMA/PPCP

NEMDC

Jones Tract

DSM2 Boundary Improvement

Lathrop Study

Staten Island Water Quality

Isotope Study

And various others...



# Data Management

- Field and Laboratory Information Management System (FLIMS)
  - Development of Field Run Templates
  - Creation of field runs, paperwork, and labels
- Real-Time QC Database
  - Bryte Lab v. Field Instruments
  - Delivery System (online) v. River/Canal Grab
  - Certified Standards

FLIMS Field Module 97: [Chain of Custody - Report]

State of California Department of Water Resources The Resources Agency

### Chemical Laboratory Test Request

Submittal ID: C10409B0124 - NDMA Study South  
Date: 4/25/2009

Customer: \_\_\_\_\_

Mail To: Cowl Discharge: \_\_\_\_\_ Mail Stop: \_\_\_\_\_

Article Date: 1540 CA

Container Summary	
Glass, Amber, 1 Liter, Teflon lined	5
Glass, Clear, 40 ml Vial, H2PO4, pH <2, Fill	6
Glass, Clear, 40 ml Vial, H2PO4, pH <2, Fill	5
Glass, Clear, 40 ml Vial, H2PO4, pH <2, Fill	7
Glass, Clear, 40 ml Vial, H2PO4, pH <2	5
Polyethylene, 1 Quart, Fill	5
Polyethylene, 1/2 Pint, Fill	11
Polyethylene, 1/2 Pint, HNO3, pH <2, Fill	5
Polyethylene, 1/2 Pint	6
<b>Total</b>	<b>55</b>

Submittal Instructions: EPA 608 - single analyte requested Discom

Date Received: \_\_\_\_\_ Temperature When Received: \_\_\_\_\_ °C

Submitted By: \_\_\_\_\_ Received By: \_\_\_\_\_

**Notice:** Deliver samples to the lab as soon as possible. Some sample holding times EXPIRE within 168 Hr / 7 Days of collection. Allow time for lab handling and preparation after delivery. The lab is not responsible for missed holding times due to late delivery.

4/23/2009

Station No. 0108E (None) Cowl Code 11700315 Matrix: Water, PotFed

Priority: 5 Instructions: Use Filtered Blank Water

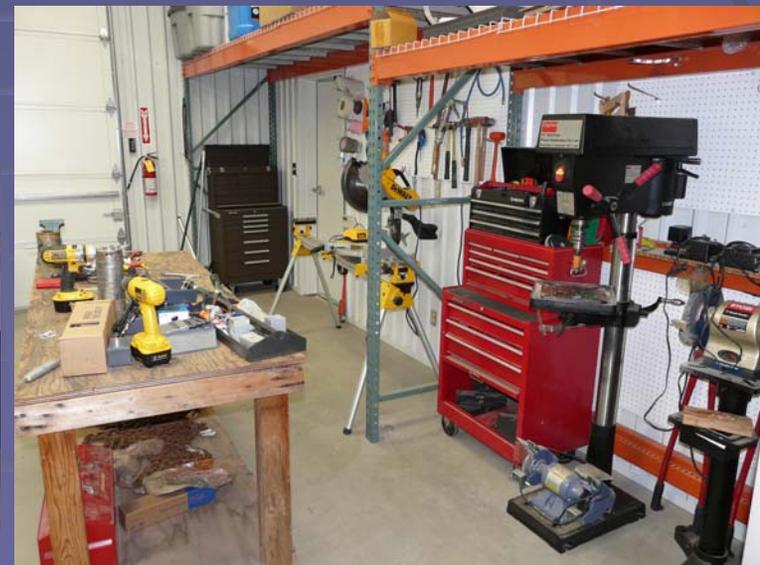
Organic Carbon (Total) by Wet Oxidation [ ] 072 Hr / 28 Dia

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# Research & Development &...

- Always working to improve:
  - Systems accuracy and efficiency
    - Water Delivery
    - Filtration
    - Instruments
  - Economic efficiency
    - Cheaper to operate analyzers
    - More efficient use of filters = \$ savings
    - Upfront costs in tools and equip = long term \$ savings



# ...Repairs

