

# **Dry Acid Dissolution Unit (DADU) Training Course Agenda**

## **Day 1**

### Dry Acid Dissolution Unit (132 Gallons)

- Operation and Hydraulic Components
  - Hydraulic flow path
  - Rinse Cycle
  - How to prepare for the Rinse Cycle
  - How to attach the Transfer Line to the Transfer Nozzle
  - How to initiate the Rinse Cycle
  - How to inspect and clean the spray ball
  - After the Rinse Cycle is complete
  - Reason for doing a Rinse Cycle between batches
  
- Dissolution Cycle
  - Dry Acid Batch Production Record
  - Appropriate number of cases
  - Catalog No.
  - Correct Personal Protective Equipment
  - Product Material Safety Data Sheet
  - Check for leaks and water level
  - What information should be attached to the Dry Acid Dissolution Unit (DADU)?
  - Add granules of each bag to DADU
  - Initiate the Dissolution Cycle.
  
- Specific Gravity Test
  - What specific gravity is measuring?
  - Filling the hydrometer cylinder.
  - How to ensure the hydrometer is ready for testing.
  - How to take the temperature of cylinder solution.
  - How to accurately read the hydrometer.
  - Specific gravity correction factor
  - When the specific gravity is not within the expected values.
  
- Transfer
  - Transferring the solution to the storage tank and to individual containers.
  - Labeling the storage tanks or containers after the transfer is complete.
  - Procedures after Transfer operation is complete.

- Maintenance
  - Visually inspecting components prior to each use.
  - Cleaning surfaces after each batch of concentrate is mixed.
  - Disinfection operation.
  - Checking for residual bleach.
  - Number of Rinse Cycles required after disinfecting.
  - Changing the 1 micron filter
  - Removing and replacing the filter.
  - Why water should not be left to stand in the unit.
- Manual Operations
  - Describe the function of the Pause State and Step State.
  - When the Pause State would be used.
  - When the Step State would be used.
- Hydraulic and Electronic Components
- Troubleshooting

## **Day 2**

### Dry Acid Dissolution Unit (99 Gallons)

- Operation and Hydraulic Components
  - Hydraulic flow path
  - Rinse Cycle
  - How to prepare for the Rinse Cycle
  - How to attach the Transfer Line to the Transfer Nozzle
  - How to initiate the Rinse Cycle
  - How to inspect and clean the spray ball
  - After the Rinse Cycle is complete
  - Reason for doing a Rinse Cycle between batches
- Dissolution Cycle
  - Dry Acid Batch Production Record
  - Appropriate number of cases
  - Catalog No.
  - Correct Personal Protective Equipment
  - Product Material Safety Data Sheet
  - Check for leaks and water level
  - What information should be attached to the Dry Acid Dissolution Unit?
  - Add granules of each bag to DADU
  - Initiate the Dissolution Cycle.

- Specific Gravity Test
  - What specific gravity is measuring?
  - Filling the hydrometer cylinder.
  - How to ensure the hydrometer is ready for testing.
  - How to take the temperature of cylinder solution.
  - How to accurately read the hydrometer.
  - Specific gravity correction factor
  - When the specific gravity is not within the expected values.
- Transfer
  - Transferring the solution to the storage tank and to individual containers.
  - Labeling the storage tanks or containers after the transfer is complete.
  - Procedures after Transfer operation is complete.
- Maintenance
  - Visually inspecting components prior to each use.
  - Cleaning surfaces after each batch of concentrate is mixed.
  - Disinfection operation.
  - Checking for residual bleach.
  - Number of Rinse Cycles required after disinfecting.
  - Changing the 1 micron filter
  - Removing and replacing the filter.
  - Why water should not be left to stand in the unit.
- Manual Operations
  - Describe the function of the Pause State and Step State.
  - When the Pause State would be used.
  - When the Step State would be used.
- Hydraulic and Electronic Components
- Troubleshooting