The “Water Measurement Demonstration and Testing Facility” is an initiative of the Basin Water Management Branch of Alberta Agriculture and Rural Development (ARD), to support the industry’s move to adopting enhanced water control and measurement systems.

This project has been made possible through the partnership contributions by many Alberta companies and agencies. The facility now offers the opportunity to:

1. Support applied research into new flow measurement and control techniques that can be applicable to southern Alberta conditions

2. Provide controlled testing of new measurement technologies to evaluate proposed equipment, systems or solutions

3. Provide a facility for the demonstration of various flow measurement and control techniques, systems and equipment

4. Provide a “benchmark” facility where the irrigation industry can have their own flow measurement equipment tested for accuracy and calibrated against more high-cost high accuracy flow measurement components

5. Support the testing and demonstration of water quality monitoring and sampling equipment.

The site consists of a recirculating water conveyance system. Both the pipeline and open channel infrastructure are accessible for evaluating flow measurement technologies.

**2013 FlowTilla** – This year’s event is on August 12-13 at a nearby SMRID Main Canal (2-3m depth). This is an event to view various types of flow measurement technology in action.

Aug 12 - lunch sponsored by HOSKIN SCIENTIFIC.
Aug 13 (viewing day) - lunch sponsored by SONTEK.

The FlowTilla event is **free to attend**.
2013
Water Measurement Workshop

Alberta Irrigation Technology Center
Lethbridge, Alberta

August 14, 2013 (Day 1)

7:30  Registration and Breakfast

9:00  Welcome and Introductions - Lawrence Schinkel

9:05  Keynote Speaker
Extreme Measurements – A Field Trip to the Congo - Hydroacoustic measurements in “the river that swallows all rivers”.
John Shelton, Assistant Director, Hydrological Data, USGS, South Carolina

9:30  Extreme Flow Metering – From Mountains to Under Ice Floes – Muskeg to Floods!
Dick Allison, Consultant, 1511639 – Alberta Ltd, Lethbridge

9:55  Flow Measurement in the Sudan
Jeff Woodward, Hydrometric Manager, Basin Operations
Water Security Agency, Moosejaw, SK

10:20  Networking Break, Vendor and Exhibit Viewing – Sponsored by: Dick Allison, 1511639 – Alberta Ltd

10:50  Measuring the 2010 Flood Conditions in the Indianfarm Creek with a StreamPro ADCP
Lawrence Schinkel, Senior Monitoring Technologist, Basin Water Management Branch, Alberta Agriculture and Rural Development, Lethbridge

11:15  Testing Protocols for Open Channel and Closed Pipeline Flow Meter Testing
Gerald Ontkean, Soil and Water Specialist, Basin Water Management Branch, Alberta Agriculture and Rural Development, Lethbridge

11:40  Lunch, Vendor and Exhibit Viewing – Sponsored by DASCO Equipment Inc.

1:00  WISKI – ESRD’s Data Management System
Gary Titosky, EIMS Manager
Environment and Sustainable Resource Development, Edmonton

1:25  Water Data Management in ESRD
Adam Minke, Surface Water Data Technologist
Environment and Sustainable Resource Development, Edmonton

1:50  Water Use Reporting ESRD Approvals
Dave Hunt, Senior Water Approvals Co-ordinator, Environment and Sustainable Resource Development, Lethbridge

2:15  Emerging Water Technologies used by ESRD
Kate Forbes, Water Management Technologist, Environment and Sustainable Resource Development, Calgary

2:40  North American Stream Hydrographers (NASH) Activities
TBA

3:05  Networking Break followed by tours of the Alberta Irrigation and Technology Centre
2013
Water Measurement Workshop

August 15, 2013 (Day 2)

8:00  Registration and Breakfast
9:00  Welcome
9:05  **Producer Perspective on Flow Measurement**
     LeRon Torrie, Producer, Grassy Lake, AB
9:20  **Flow Measurement in Liquids and Gases**
     Blaine Sawchuk, Pembina Controls, VP Sales and Engineering
     Canada Pipeline Accessories
9:45  **Water Management of Calgary's Parks**
     Denis Gourdeau, Water Management Lead Parks
     City of Calgary
10:20 Networking Break, Vendor and Exhibit Viewing – Sponsored by Hoskin Scientific
10:50 **Water Measurement in the LNID**
     Alan Harrold – General Manager, Lethbridge Northern Irrigation District
11:10 **Keynote Speaker**
     “If You Can't Measure It, You Can't Manage It” – How Does Peter Drucker's Assertion Fit Into Our Approach to Water Management in Alberta?
     David Hill, Director, Centres and Institutes and Research Advocacy, University of Lethbridge
11:35 Closing comments and Flowtilla results
12:00 Lunch and FlowStar Awards. Vendor and Exhibit Viewing
1:30  Safe trip home

Workshop Sponsors

DASCO EQUIPMENT INC.

Dick Allison, 1511639 – Alberta Ltd.
2013 Water Measurement Workshop Organizing Committee

Executive:


Secretary: Gerald Ontkean, M.Sc., P.Ag. Soil and Water Specialist, Alberta Agriculture and Rural Development, Irrigation and Farm Water Division, Basin Water Management Branch, Lethbridge.

FlowTilla Lead: Deborah Folk P.Eng. Water Resources Project Engineer, Environment Canada, Prairie and Northern Region, Regina, Saskatchewan.

Committee Members:


Dwayne Rogness, Rural Extension Specialist, County of Lethbridge, Lethbridge.

Chris Hancock, Chairman, Alberta Federation of Rural Water Co-ops, Alcomdale, Alberta.


Workshop Partners

DASCO EQUIPMENT INC.

Dick Allison, 1511639 – Alberta Ltd.

Wilde Bros. Engineering, Raymond, Alberta