

**Short Course Announcement:**  
**Introduction to Flow Measurement for Agricultural Water Conservation**  
**Wednesday to Friday, January 20-22, 2010**

The Lower Rio Grande Valley Agricultural Demonstration Initiative (ADI) is pleased to offer a short course on flow measurement in canals and pipes. The course will include important information on the selection, installation, calibration, and operation of the commonly used flow meters for pipes as well as open channel devices such as weirs and flumes. The course is designed for district managers and employees with responsibility or interest in measuring water flows on agricultural land.



Participants will gain knowledge and hands-on experience at the Flow Meter Calibration facility (FMC) in Harlingen. This excellent facility has a large manifold system with pipes from 6" to 24" diameter together with an open channel equipped with weirs and flumes. A computer controlled 10,000 gallon calibration tank and pumping systems provide the precise flows needed for calibration of equipment.

**Agenda**

**Wednesday**

- 8:30 Overview of FMC Facility and Introduction of Course
- 9:00 Introduction to Closed Conduit (Pipe) Flow Measurement
- 12:00 Lunch (provided by HIDCC at Calibration Facility)
- 12:30 Hands-on Demonstrations of Various Flow Meters
- 3:00 Flow Measurement Calculation and Theory of Operation
- 4:30 Adjourn

**Thursday**

- 8:30 Introduction to Alternative Flow Measurement Methods
- 9:30 Overview of Open Channel Flow Measurement
- 12:00 Lunch (provided by HIDCC at Calibration Facility)
- 12:30 Hands-on Open Channel Flow Measurement
- 4:30 Adjourn

**Friday**

- 8:30 Implementing of a District Wide Flow Measurement Program
- 10:00 Record Keeping, Inspection, and Maintenance of Flow Meters
- 11:30 Course review and questions
- 12:00 Adjourn
- 12:00 to 2:00 One-on-One Assistance with Flow Metering Issues

**Course is limited to 20 Students. Advanced registration requested by Fri. January 8<sup>th</sup> 2009.**

Please contact Tom McLemore at 956-423-7015 or [tmclmore@hidcc1.org](mailto:tmclmore@hidcc1.org)

Directions to FMC (Harlingen Irrigation District – River Pumping Plant): Take FM 1479 (Rangerville Road) south from the Highway 83/77 Express Way in Harlingen to Military Highway (281). Make a right (west) on Military Highway and then an immediate left (south) on Trevino Road. Go south on Trevino Road approximately ¼ mile and continue south after the road turns from pavement to dirt. Follow the dirt road and the signs through the Harlingen Irrigation District River Pumping Plant to the Flow Meter Calibration Facility.

