

Sponsored by the LRGV TPDES Stormwater Task Force and RATES, Inc.
Instruction by the US Army Corps of Engineers

Unsteady Flow Analysis Using HEC-RAS

4 Day Workshop

Instructed by Brian M. Hall, P.E.

May 13-14 & 17-18, 2021

VIRTUAL DELIVERY

Proceeds to fund the Task Force Scholarship Program

Workshop Fee:

Task Force Member: \$595.00

Non-Member: \$895.00

Limited Seating – first come basis

**CONTACT
FOR INFORMATION**

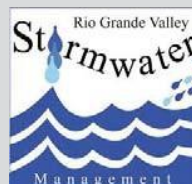
dlevrier@ratesresearch.org

Send Payment to:

RATES/RGV
Re: HEC-RAS
P.O. Box 697
Edinburg, TX 78540
(956) 609-9060
(956) 929-7189
Online:
www.ratesresearch.org/registration

Registration Deadline:

May 7, 2021



Unsteady Flow Analysis Using HEC-RAS
Workshop Overview
Dates: 13, 14, 17, & 18 May 2021
Location: Virtual

Objectives

This course is intended to provide participants with the knowledge to effectively utilize the HEC-RAS software to analyze hydraulic conditions that require one-dimensional unsteady flow modeling.

Schedule

Start time: 0900 CT
End time: 1700 CT
Break: 1230-1330 CT

Instructor

Brian M. Hall, P.E., U.S. Army Corps of Engineers

Day 1

River Mechanics and Introduction to Unsteady Flow Equations
Overview of Unsteady Flow Modeling with HEC-RAS
Using HEC-DSS Data with HEC-RAS
Data Requirements for Unsteady Flow Models
Pre-Processing Geometric Data

Day 2

Boundary and Initial Conditions
Overview of Model Output
Basic Unsteady Flow Modeling
Modeling Bridges and Culverts

Day 3

Inline and Lateral Hydraulic Structures
Storage Areas and Storage Area Connections
Calibration of Unsteady Flow Models

Day 4

Common Model Stability Problems
Advanced Features for Unsteady Flow



23rd Annual Lower Rio Grande Valley Water Quality Management & Planning Conference

May 13 - 21, 2021: Virtual

Registration Information:

FIRST NAME MI LAST NAME

ADDRESS

CITY STATE ZIP

INSTITUTION

EMAIL

Cancellation Policy:

Refunds must be requested in writing no later than ten (10) calendar days prior to the event. Please refund requests to conference@ratesrgv.org

Submission of Registration Form:

Email: conference@ratesrgv.org

Conference Location:

Virtual

Early Bird Events

HEC-RAS 4-Day Course May 13-14 & 17- 18, 2021

- Taskforce Member: **\$595.00**
- Non-member: **\$895.00**

Conference Registration: May 19 - 21, 2021

- Early Registration: **\$35** on or before March 31, 2021
- Regular Registration: **\$45** on or before May 10, 2021
- Late Registration: **\$55 after** May 10, 2021
- One Day Conference Fee: **\$25** before May 10, 2021
 - Wednesday
 - Thursday

Laguna Madre Estuary Partnership Registration: May 21, 2021

- Laguna Madre Estuary Partnership Track: **\$25**

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Pay Online: www.ratesresearch.org/registration

For more information, please contact the Stormwater Program at:

Email: conference@ratesrgv.org

Phone: 956-609-9060

Website: www.rgvstormwater.org