

Contact Information

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Lower Rio Grande Valley-Texas Pollutant Discharge Elimination Systems Storm Water Task Force

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Texas A&M University-Kingsville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 33033-4097; Telephone number 404-679-4501) to award bachelor's, master's and doctoral degrees.



Lower Rio Grande Valley 16th Annual Water Quality Management & Planning Conference

- Earn up to 16 PDUs -

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April 9 - 12, 2014

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FRANK H. DOTTERWEICH COLLEGE
OF ENGINEERING
ENVIRONMENTAL ENGINEERING
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April 9, 2014

Greetings,

On behalf of ISEE, housed in the Frank H. Dotterweich College of Engineering at Texas A&M University-Kingsville, along with the Lower Rio Grande Valley Texas Pollutant Discharge Elimination System (TPDES) Storm Water Task Force and our partners, welcome to our 16th Annual *Lower Rio Grande Valley Water Quality Management & Planning Conference*

ISEE is a sustainability-based environmental research institute at Texas A&M University-Kingsville. ISEE focuses on research topics germane to South Texas and the U.S.-Mexico border region. It is our goal to develop team-based and research inspired programs to train and educate our future engineers. Working with our partners, we have brought together representatives from academia, private industries, environmental groups, research communities and state and federal agencies to be a part of a team exchanging ideas concerning environmental issues impacting coastal and semi-arid regions and the Rio Grande Valley, and transferring that information to the decision makers and stakeholders who influence the economic, social and physical infrastructure along the border region.

ISEE has hosted several key topical conferences with the Lower Rio Grande Valley TPDES Storm Water Task Force. It is my hope that this conference serves as a platform for discussing sustainability issues that are both important and relevant to the Rio Grande Valley. **This year the conference topics include the new TPDES MS4 permit, the new TPDES construction permit, the Arroyo Colorado Watershed Protection Plan Update, water reuse and recycling, the upcoming EPA construction effluent rules, low impact development, the EPA's stormwater runoff flow reduction strategies, academia research topics, and many other interesting themes.** We hope you consider participating in this event and hope you have an enjoyable and stimulating time at the conference.



Sincerely,





Kim Jones, P.E., Ph.D.
Chairperson
Environmental Engineering &
Director, ISEE
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Conference Schedule

Tuesday, April 8, 2014 – TFMA Course and Exam		
8:30–5:00		TFMA Course and CFM Exam
6:30-8:00		Exhibitor setup (2 nd Floor)


Wednesday, April 9, 2014 – TPDES, Arroyo Colorado, and Stormwater		
7:30 -8:30		Breakfast/ Exhibitor setup
		SAND DUNES A, B, C
		Stormwater 0 – Plenary, Welcome, and Keynote Chair: Kim D. Jones, Ph.D., P.E., Director, ISEE, TAMUK Vice-Chair: Melisa Gonzales, City of Alamo, Chairperson Lower Rio Grande Valley TPDES Storm Water Task Force
		Kim D. Jones, P.E., Ph.D., Chairperson/Director Environmental Engineering Institute for Sustainable Energy and the Environment Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville
		 Eugene Palacios, P.E. President American Society of Civil Engineers (ASCE) Rio Grande Valley Branch
		Carmen Pérez García, Hon. AIA Executive Director AIA RGV Chapter
		Perry Vaughn Executive Director Rio Grande Valley Chapter Associated General Contractors of America
		Ponciano “Ponch” Longoria, P.E., CFM Texas Public Works Association (TPWA) Rio Grande Valley Branch
		Jessica Baker, P.E., CFM Texas Floodplain Managers Association
		The Honorable Terry Canales State of Texas State Representative District 40
		
Plenary Welcome 8:30-9:30	Registration and Exhibits	
	Welcome Address	
	Guest Speakers	
	Plenary Keynote Speaker	


Conference Theme Session 9:30-10:30	Theme Speakers	<p><i>"Region 6 Water Priorities at EPA"</i></p> <p>David Garcia Deputy Director Water Quality Protection Division EPA Region 6, Dallas, TX</p> 
	Theme Speakers	<p><i>"RESTORE – British Petroleum Deepwater Horizon Settlement Funds"</i></p> <p>Becky Allee, Ph.D. Senior Scientist National Oceanic and Atmospheric Administration's (NOAA) Gulf Coast Services Center (GCSC)</p> <p><i>"Role of the LRGV TPDES Storm Water Task Force, it's Past Accomplishments and Future Goals"</i></p> <p>Melisa Gonzales City of Alamo Chair LRGV TPDES Storm Water Task Force</p>
10:30-10:45	Exhibits	Networking Coffee Break and Exhibits
Group Session I 10:30-12:00		SAND DUNES A, B, C
		Stormwater I – Watershed Protection & NPDES program Chair: Ernesto Hinojosa, P.E., County Engineer, Cameron County Vice Chair: Hector Lerma, Cameron County Drainage District #1
		<p><i>"Arroyo Colorado Watershed Protection Plan Schedule and Update"</i></p> <p>Jaime Flores, P.G., Arroyo Colorado Watershed Coordinator Arroyo Colorado Watershed Partnership, Weslaco, TX</p> 
		<p><i>"Watershed Management: Planning, Implementation, Reporting"</i></p> <p>Arthur Talley, P.E. NPS Program, Austin, TX Texas Commission on Environmental Quality</p> <p><i>"Challenges in MS4 Permits and Meeting Water Quality Goals"</i></p> <p>Brent Larsen Chief, Permits and Technical Assistance Section NPDES Permits and TMDL Branch Water Quality Protection Division EPA Region 6, Dallas, TX</p>
12:00-1:30		BLUE MARLIN
		Lunch
		<p>MC: Joe Hinojosa General Manager Santa Cruz Irrigation District #15</p>  


	Keynote Speaker	<p>The Honorable Eddie Lucio III State Representative District #38 Member of the Natural Resources Committee</p> 	
Group Session II 1:30-3:30		SAND DUNES A, B, C	
		<p>Stormwater II Stormwater Topics Chair: Ponciano Longoria, P.E., CFM, Public Works Director Vice Chair: Brianna Saenz, E.I.T., MS, REA I, TAMUK</p> <p><i>"Environmental Regulatory Hurdles for Your Storm Water and Food Control Project"</i></p> <p>Emily Rogers Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p> <p><i>"2013 Stormwater Compliance Programs' Results"</i></p> <p>Ivan Santoyo Engineering Associate Environmental Department City of Laredo</p> 	
		<p><i>"Making More Rain at TTI's Sediment and Erosion Control Laboratory"</i></p> <p>Jett McFalls, PLA Landscape Architect, TAMU Texas Transportation Institute College Station, TX</p>	
3:30-3:45	Exhibits	Networking Coffee Break and Exhibit	
Group Session III 3:45-5:15		SAND DUNES A, B	SAND DUNES C
		<p>Stormwater III a Stormwater Topics Chair: David Salinas, Public Utilities Director, City Weslaco Vice Chair: Roy Jimenez, Stormwater Manager, City of Donna</p>	<p>Stormwater III b Stormwater Topics Chair: Jose Figueroa, Environmental Manager, City of Brownsville Vice Chair: Carlos Ayala, General Manager, Cameron Cty Drainage District #1</p>
		<p><i>"Tools, Models & Spreadsheets Galore – How do I pick the best pollution(s) to set my jurisdiction's water quality goals?"</i></p> <p>Troy M. Dorman, Ph.D., P.E., CFM Senior Water Resource Engineer Tetra Tech, Austin, TX</p>	<p><i>"Industrial 201E Authorizations for Beneficial Reuse"</i></p> <p>Kara Denney Industrial Permit Writer Water Quality Division TCEQ, Austin, TX</p> 
		<p><i>"Development of Two-Dimensional Flow Circulation Model of the Bahia Grande Wetland"</i></p> <p>Jungseok Ho, Ph.D., Civil Engineering Univ. of Texas – Pan Amer. Edinburg, TX</p>	<p><i>"Topic"</i></p> <p>Speaker 2 TCEQ Region 15 Harlingen, TX</p>

		<p><i>“Urban Transformation with Stormwater Harvesting in Downtown Monterey”</i></p> <p>Lisa Lemont, CPSWQ Business Development Manager Hydro International, Portland, Maine</p>	<p><i>“Topic”</i></p> <p>Mike Bira NPS Program EPA Region 6 Dallas, TX</p> 
5:45-6:30		Networking	
		BLUE MARLIN	
6:30-8:30		Dinner	
		<p>MC: Kim D. Jones, P.E., Ph.D. Environmental Engineering Institute for Sustainable Energy and the Environment Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville</p>	
	Guest Speakers	  	
		<p><i>“Engineering and Environmental Science Education in the Valley”</i></p> <p><i>“Topic”</i></p> <p>Javier A. Kypuros, Ph.D. Associate Dean for Undergraduate Affairs College of Engineering and Computer Science Associate Professor Mechanical Engineering Department The University of Texas-Pan American</p>	
		<p><i>“Topic”</i></p> <p>Jude A. Benavides, P.E., Ph.D. Associate Professor Environmental Sciences The University of Texas at Brownsville</p>	
		<p><i>“Topic”</i></p> <p>Esmaeili, Dr. Ali (invited) Interim Dean - Math and Science South Texas College</p>	
		<p><i>“Topic”</i></p> <p>Kim D. Jones, P.E., Ph.D. Chairperson/Director Environmental Engineering Institute for Sustainable Energy and the Environment Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville</p>	

Thursday, April 10, 2014- TPDES, LID, Research and Funding			
7:30 -8:30		Breakfast	
		SAND DUNES A, B, C	
	Group Session IV 8:30-10:00	<p>Stormwater IV – Stormwater Financing and other Topics Chair: Omar Cano, E.I.T., Stormwater Specialist, City of Edinburg Vice Chair: Jose Figueroa, Stormwater Manager, City of Brownsville</p>	
		<p><i>“PPP – A solution of Texas Water Management”</i></p> <p>Matias Segura, P.E., MBA URS Corporation, Austin, TX</p>	
		<p><i>“Financing Drainage Projects”</i></p> <p>David Mendez and Emily Rogers Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p>	
		<p><i>“NOAA Science Program – Funding Programs”</i></p> <p>Becky Allee, Ph.D. Senior Scientist National Oceanic and Atmospheric Administration’s (NOAA) Gulf Coast Services Center (GCSC)</p>	
	10:00-10:15	Networking Coffee Break and Exhibits	
		SAND DUNES C	SAND DUNES A, B
	Group Session V 10:15-12:00	Exhibits	
		<p>Stormwater Va – Water Reuse Chair: Juan De La Garza, Stormwater Manager, City of Mission Vice Chair: Xavier Cervantes, City Planner, City of San Juan</p>	<p>Stormwater Vb – Stormwater Topics Chair: Rene Jaime, Asst. Parks & Rec Dir. , City of San Juan, Vice Chair: Augusto Sanchez, REA I, Texas &M University-Kingsville</p>
		<p><i>“Legal Issues regarding the Reuse of Wastewater”</i></p> <p>Emily Rogers Partner Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p> <p><i>“Pilot Testing for Indirect Potable Reuse in Florida: Clearwater’s Groundwater Replenishment Program Takes the Next Step”</i></p> <p>Jarrett K. Kinslow, P.E. Project Manager URS Corporation, Orlando, FL</p> <p><i>“Conservation, Reuse, and Water Quality versus The Big Drought”</i></p> <p>Roger E. Schenk Jr. CDM Smith, Austin, TX</p>	<p><i>“Topic”</i></p> <p>Suzane Perea Stormwater/Green Infrastructure Coordinator Smart Growth/Sustainable Communities Coordinator Permits and Technical Section EPA Region 6 Water Quality Protection Division</p> <p><i>“Topic”</i></p> <p>Mike Bira NPS Program EPA Region 6 Dallas, TX</p> <p><i>“Topic”</i></p> <p>Speaker 3 TCEQ Region 15 Harlingen, TX</p>

		SAND DUNES A, B, C
12:00-1:15	Keynote Speaker	Lunch
Group Session VI 1:15-3:00		MC: Kim D. Jones, P.E., Ph.D. Environmental Engineering Institute for Sustainable Energy and the Environment Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville
		<i>"National Perspective on the Stormwater Permitting Program and Region 6 Water Priorities."</i> David Garcia Deputy Director Water Quality Protection Division EPA Region 6, Dallas, TX 
		SAND DUNES A, B, C
	Exhibits	Stormwater VI – Legislation Chair: Rodrigo Davila, City Planner, City of San Benito Vice Chair: Paula Rodriguez, City Planner, City of La Feria
		<i>"Legislative Update – A look back and a look forward"</i> David Mendez and Claudia Russell Bickerstaff Heath Delgado Acosta LLP, Austin, TX
		<i>"TPDES permitting, Municipal Separate Stormwater Sewer Systems (MS4) Updates"</i> Hanne Nielsen Senior Environmental Permit Specialist Stormwater & Pretreatment Team Water Quality Division Texas Commission on Environmental Quality
		<i>"White House Initiatives in Region 6"</i> Adele Cardenas, P.E. Senior Policy Advisor Water Quality Protection Division EPA Region 6, Dallas, TX
3:00-3:15		Networking Coffee Break and Exhibit
		SAND DUNES A, B, C
Group Session VII 3:15-5:00	Stormwater VII – TPDES and LID Chair: Rudy Garza, Public Works Director, City of Alton Vice Chair: Jacinto Hinojosa, City of San Benito	
	<i>"Stormwater Management O&M and implications for siting, ownership, permitting, and construction."</i> Troy Dorman, Ph.D., P.E. Tetra Tech Austin, TX	
	<i>"Performance of Testing of Coagulants to Reduce Stormwater Runoff Turbidity"</i> Beverly Storey, PLA Landscape Architect, TAMU Texas Transportation Institute College Station, TX	

	Keynote Speaker	<i>"Lower Rio Grande Valley LID Demonstration, Education and Outreach Program"</i> Augusto Sanchez, MS, CFM Research Engineering Associate I Texas A&M University-Kingsville LID Program Project Manager
		SAILFISH
		3rd Annual Javelina Engineering Alumni Social
		Networking and Social
Social and Cash Bar 5:30 – 6:00		MC: Ponciano Longoria, P.E., President LRGV Engineering Javelina Alumni Chapter Public Works Director, City of Edinburg
Dinner 6:00-8:00 (by invitation and RSVP)		Armando "Mando" Martinez State of Texas State Representative, District #39 
Finger Buffet Cash Bar 5:30 -7:00		Networking and Social
7:00 - 10:00		Luau Outdoor Party – Food and Music Band: Retrospect, Harlingen, TX

Friday, April 11, 2014- Outreach, Stormwater, & Rain Harvesting		
7:30 -8:30	Registration and Exhibition	Continental Breakfast
Group Session Group Session VIII 8:30-10:15		SAND DUNES A, B
		Stormwater VIII – Stormwater Topics Chair: Javier Mendez, Parks & Rec Dir., Cameron County Vice Chair: Rosendo Flores, Public Works, City of Palm Valley
		 Closing Remarks Stephen J. Nix, Ph.D. Dean, Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville
	Reception Area	<i>"Rainwater Harvesting"</i> Timothy Hessler, CSM, ARCSA AP Manager Park USA, Katy, TX
		<i>"Industrial 201E Authorizations for Beneficial Reuse"</i> Kara Denney Industrial Permit Writer Water Quality Division TCEQ, Austin, TX

		<p><i>“Protecting Groundwater Quality”</i> Emily Rogers Partner Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p>
10:15-10:30		<p>Mini Break</p>
Group Session IX 10:30-12:00		<p>SAND DUNES A, B</p>
		<p>Stormwater IX – LID and Green Infrastructure Chair: Joe Hinojosa, Santa Cruz Irrigation District #15 Vice Chair: Isidro Valencia, City of La Joya</p>
		<p><i>“Linking Watershed Education and Outdoor Physical Activities Through Communications technology (QR Codes) – Educational Grant”</i> Tracey King-Núñez Program/Education Coordinator City of Laredo Environmental Services Department Stormwater Division</p> <p><i>“Award Winning Green Roadway Design Concept”</i> Jerimi Henry, P.E. URS Corporation, Austin, TX</p> <p><i>“How is EPA Promoting Green Infrastructure?”</i> Suzane Perea Stormwater/Green Infrastructure Coordinator Smart Growth/Sustainable Communities Coordinator Permits and Technical Section EPA Region 6 Water Quality Protection Division</p>

INSTITUTE FOR SUSTAINABLE ENERGY AND THE ENVIRONMENT (ISEE)

ISEE provides increased access to B.S., M.S. and Ph.D. programs offered at Texas A&M University-Kingsville in environmental engineering to U.S. citizens and permanent residents; while it promotes research opportunities for undergraduate and graduate students to focus on the sustainability of semi-arid coastal areas.

ISEE enables hands-on experience with state-of-the-art instrumentation and methodologies in laboratories and at various field sites.

ISEE serves as a major source of research on the environmental sustainability of the semi-arid coastal areas, integrates the research with continuing education, transfers findings to the public domain and serves as a major resource partner with institutions along both sides of the US/Mexico border.





Frank H. Dotterweich College of Engineering
Texas A&M University-Kingsville

The Frank H. Dotterweich College of Engineering has a long history of preparing top-quality engineers for a rapidly changing profession. Research opportunities at the undergraduate and graduate level help train students for careers in engineering and small class sizes give students personal interaction with faculty members.

The College maintains ties with the corporate and industrial world and provides valuable internship experiences that can translate into job offers once students complete their degrees. Most departments offer scholarships for qualified students and student chapters of professional organizations help students learn while they make valuable contacts for their future.

The College offers bachelor's and master's degrees through six departments: civil and architectural engineering, chemical and natural gas engineering, electrical and computer science, environmental engineering, industrial management and technology, mechanical and industrial engineering and industrial management. A doctoral degree program in environmental engineering was added to our offerings in 2002.

Our programs are located in four building including the Engineering Complex, which opened ten years ago. Our facilities house modern laboratories and computer facilities that help increase our graduates' knowledge and experience.

The undergraduate engineering programs in and mechanical engineering in the College are accredited through the Engineering Accreditation Commission of ABET, Inc. The undergraduate program in industrial management and technology is accredited by the Association Technology, Management, and Applied Engineering.

Members of the LRGV TPDES Stormwater Task Force

Founded in 1999




Exhibitors/Sponsors/Partners



SCS ENGINEERS



Thursday, April 10, 2014- High School Education Track		
9:00 -9:15	HCISD Tour	Arrival Harlingen ISD - Orientation
9:15 -9:30		Introductions and Group Assignments (no more than 8 students per group)
9:30-11:30 (1:30-3:30)		SAND DUNES D
		<p><i>Permeable Surface Model</i> Augusto Sanchez TAMUK</p> <p><i>Groundwater Drilling and Geology</i> Jaime Flores, P.G. Texas Water Resources Institute, College Station, TX</p> <p><i>Municipal Wastewater Treatment Process</i> Lorenzo Barron City of Mission</p> <p><i>Wind Energy</i> Jonathan Gorman Environmental Engineering Undergraduate student TAMUK</p> <p><i>Hydraulics and Flumes</i> Jessica Ruiz Environmental Engineering PhD Candidate TAMUK</p> <p><i>Environmental Laboratories</i> Don Marek TAMUK</p>
11:00-11:15	Plenary Both Groups	Arrival Edcouch-Elsa ISD - Orientation
11:15-11:30		Introductions and Group Assignments (no more than 8 students per group)
11:30-12:30		<p>Kim Jones, P.E., PhD Environmental Engineering</p> <p> Miguel A. Briseno TAMUK – Office of Admissions</p> <p>SAND DUNES D</p>
12:30-1:30		Lunch (Both Groups)
1:30	EEISD Tour	HCISD Departure
1:30-3:30		SAND DUNES D
		(see above)
3:30		EEISD Departure