

Contact Information

Institute for Sustainable Energy and the Environment (ISEE)

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Texas A&M University - Kingsville

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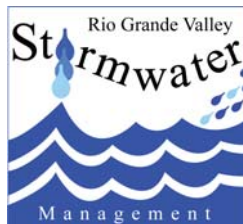


Texas A&M University - Kingsville

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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 Program

April 8 - 12, 2014

**Pearl South Padre
South Padre Island, Texas**
www.pearlsouthpadre.com





FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING
 ENVIRONMENTAL ENGINEERING
 700 UNIVERSITY BLVD., MSC 213
 KINGSVILLE, TX 78363-8202
 PH 361/593-2187 • FAX 361/593-2069

April 9, 2014

Greetings,

On behalf of the Institute for Sustainable Energy and the Environment (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 water quality rules, low impact development, the 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
 Texas A&M University-Kingsville
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 Kingsville, Texas 78363
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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	Registration and Exhibits	Breakfast/ Exhibitor setup
Plenary Welcome 8:00-9:30	Welcome Address	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 <i>“Role of the LRGV TPDES Storm Water Task Force, it’s Past Accomplishments and Future Goals”</i> Melisa Gonzales City of Alamo Chair LRGV TPDES Storm Water Task Force Eugene Palacios, P.E. President American Society of Civil Engineers (ASCE) Rio Grande Valley Branch Carmen Pérez García, Hon. AIA Executive Director American Institute of Architects (AIA) RGV Chapter Perry Vaughn Executive Director Rio Grande Valley Chapter Associated General Contractors of America (AGC) Ponciano “Ponch” Longoria, P.E., CFM Texas Public Works Association (TPWA) Rio Grande Valley Branch Jessica Baker, P.E., CFM Texas Floodplain Managers Association (TFMA) <i>“2015 LID International Conference – Houston, TX”</i> Troy Dorman, Ph.D., P.E. Senior Water Resource Engineer Tetratech, Austin, TX
	Guest Speakers	

	Plenary Keynote Speaker	<p>The Honorable Terry Canales State of Texas State Representative District 40</p> 
Plenary Conference Theme Session 9:30-10:30		<p>Stormwater 0 –Water Special Topics Chair: Joe Hinojosa, General Mgr, Santa Cruz Irrigation Dist. #15 Vice Chair: Brianna Saenz, E.I.T., MS, REA I, TAMUK</p>
	Special Topic Speakers	<p><i>“Region 6 Water Priorities at EPA”</i> David Garcia Deputy Director Water Quality Protection Division EPA Region 6, Dallas, TX</p> <p><i>“The Resources and Ecosystems Sustainability, Tourist Opportunities and Revived Economies (RESTORE) of the Gulf Coast States Act of 2012: An Overview”</i> Becky Allee, Ph.D. Senior Scientist National Oceanic and Atmospheric Administration’s (NOAA) Gulf Coast Services Center (GCSC)</p> <p><i>“Arroyo Colorado Watershed Protection Plan Schedule and Update”</i> Jaime Flores, P.G., Arroyo Colorado Watershed Coordinator Arroyo Colorado Watershed Partnership, Weslaco, TX</p> <p><i>“The USEPA Nonpoint Source Program – New Guidelines, Development of Watershed Protection Plans, and Program Goals”</i> Mike Bira NPS Program Manager EPA Region 6, Dallas, TX</p>
10:30-10:45	Exhibits	Networking Coffee Break and Exhibits
		SAND DUNES A, B, C
		<p>Stormwater I – Watershed Protection, LID & NPDES program Chair: Ernesto Hinojosa, P.E., County Engineer, Cameron County Vice Chair: Hector Lerma, Cameron County Drainage District #1</p>
		<p><i>“Lower Rio Grande Valley LID Demonstration, Education and Outreach Program”</i> Augusto Sanchez, MS, CFM and Brianna Saenz, E.I.T., MS Research Engineering Associate I Texas A&M University-Kingsville LID Program Project Managers</p> <p><i>“Watershed Management: Planning, Implementation, Reporting”</i> Arthur Talley, P.E. NPS Program, Austin, TX Texas Commission on Environmental Quality</p>
Group Session I 10:30-12:00		


		<p><i>“Challenges in MS4 Permits and Meeting Water Quality Goals”</i> 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				
	Keynote Speaker	<p>MC: Joe Hinojosa General Manager Santa Cruz Irrigation District #15</p> <p>The Honorable Eddie Lucio III State Representative District #38 Member of the Natural Resources Committee</p> 				
		<table border="1"> <tr> <td>SAND DUNES A, B</td> <td>SAND DUNES C, D</td> </tr> <tr> <td> <p>Stormwater IIA Stormwater Topics Chair: Ponciano Longoria, P.E., CFM, Public Works Director Vice Chair: Brianna Saenz, E.I.T., MS, REA I, TAMUK</p> </td> <td> <p>Stormwater IIA Stormwater Topics Chair: David Salinas, Public Utilities Director, City Weslaco Vice Chair: Roy Jimenez, Stormwater Manager, City of Donna</p> </td> </tr> </table>	SAND DUNES A, B	SAND DUNES C, D	<p>Stormwater IIA Stormwater Topics Chair: Ponciano Longoria, P.E., CFM, Public Works Director Vice Chair: Brianna Saenz, E.I.T., MS, REA I, TAMUK</p>	<p>Stormwater IIA Stormwater Topics Chair: David Salinas, Public Utilities Director, City Weslaco Vice Chair: Roy Jimenez, Stormwater Manager, City of Donna</p>
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Group Session II 1:30-3:00		<p><i>“2013 Stormwater Compliance Programs’ Results”</i> Ivan Santoyo Engineering Associate Environmental Department City of Laredo</p> <p><i>“Environmental Regulatory Hurdles for Your Storm Water and Food Control Project”</i> Emily Rogers Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p> <p><i>“How is EPA Promoting Green Infrastructure?”</i> Suzanna Perea Stormwater/Green Infrastructure Coordinator Smart Growth/Sustainable Communities Coordinator Permits and Technical Section EPA Region 6 Water Quality Protection Division</p>				
	Exhibits	<p><i>“Development of Two-Dimensional Flow Circulation Model of the Bahia Grande Wetland”</i> Jungseok Ho, Ph.D., Civil Engineering Univ. of Texas – Pan Amer. Edinburg, TX</p> <p><i>“Making More Rain at TTI’s Sediment and Erosion Control Laboratory”</i> Jett McFalls, PLA Landscape Architect, TAMU Texas Transportation Institute College Station, TX</p> <p><i>“Linking Watershed Education and Outdoor Physical Activities Through Communications technology (QR Codes) – Educational Grant”</i> Tracey King-Nuñez Program/Education Coordinator City of Laredo Environmental Services Department Stormwater Division</p>				
3:00-3:15		Networking Coffee Break and Exhibit				
		<table border="1"> <tr> <td>SAND DUNES A, B</td> <td>SAND DUNES C, D</td> </tr> </table>	SAND DUNES A, B	SAND DUNES C, D		
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Group Session III 3:15-5:15	<p>Stormwater III a Water Quality Topics Chair: David Salinas, Public Utilities Director, City Weslaco Vice Chair: Roy Jimenez, Stormwater Manager, City of Donna</p> <p><i>“Tools, Models & Spreadsheets Galore – How do I pick the best solution(s) to set my jurisdiction’s water quality goals?”</i> Troy M. Dorman, Ph.D., P.E., CFM Senior Water Resource Engineer Tetra Tech, Austin, TX</p> <p><i>“Urban Transformation with Stormwater Harvesting in Downtown Monterey”</i> Lisa Lemont, CPSWQ Business Development Mgr Hydro International, Portland, Maine</p> <p><i>“Water Quality Standards: Foundation of the Clean Water Act – This is a summarized definition of WQS, how they generate TMDLs, the difference between TMDLs and WBPs, and how EPA/states protect water quality, growing concerns about nutrient pollution”</i> Mike Bira NPS Program, EPA Region 6 Dallas, TX</p> <p><i>“Rainwater Harvesting”</i> Timothy Hessler, CSM, ARCSA AP Manager ParkUSA, Houston, TX</p>	<p>Stormwater III b Stormwater Permitting Topics Chair: Paula Rodriguez, City Planner, City of La Feria Vice Chair: Jose Figueroa, Environmental Manager, City of Brownsville</p> <p><i>“Industrial Permit Enforcement – Overview of Multi Sector Industrial Permit”</i> Jonathan Diaz Environmental Investigator TCEQ Region 15 Harlingen, TX</p> <p><i>“Municipal Separate Storm Sewer Systems (MS4s) – What is it?”</i> Francisco J. Chavero, Jr. TCEQ Region 15 Region-15 Programs Section Manager</p> <p><i>“Industrial 201E Authorizations for Beneficial Reuse”</i> Kara Denney Industrial Permit Writer Water Quality Division TCEQ, Austin, TX</p> <p><i>“TPDES Construction General Permit – What to Expect during a TCEQ Construction Investigation”</i> Jonathan Diaz Environmental Investigator TCEQ Region 15 Harlingen, TX</p>
	<p style="text-align: center;">Networking</p> <p style="text-align: center;">BLUE MARLIN</p> <p style="text-align: center;">Dinner</p> <p style="text-align: center;">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> <p style="text-align: center;"> UTPA  <i>“Engineering and Environmental Science Education in the Valley”</i></p>	
5:45-6:30	Networking	
	BLUE MARLIN	
6:30-8:30	Dinner	
	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	
	 UTPA  <i>“Engineering and Environmental Science Education in the Valley”</i>	

	Guest Speakers	<p><i>“The Role of Higher Education in the Sustainable Development of the Rio Grande Valley.”</i> 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>“Environmental science programs at the new UTRGV: Looking Ahead”</i> Jude A. Benavides, P.E., Ph.D. Associate Professor Environmental Sciences The University of Texas at Brownsville</p> <p><i>“Engineering Education and Sustainability across the Curriculum in Higher Education in South Texas”</i> 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>
9:00 PM		SAND DUNES D
		EPA and LRGV Task Force Round Table By invitation only (Task Force members only)

Thursday, April 10, 2014- TPDES, LID, Research and Funding		
7:30 -8:30		Breakfast
Group Session IV 8:00-10:00		SAND DUNES A, B, C
		Stormwater IV – Stormwater Financing and other Topics Chair: Omar Cano, E.I.T., Engineering Asst., City of Edinburg Vice Chair: Jose Figueroa, Stormwater Manager, City of Brownsville
		<i>“PPP – A solution of Texas Water Management”</i> Matias Segura, P.E., MBA URS Corporation, Austin, TX
		<i>“Financing Drainage Projects”</i> David Mendez and Emily Rogers Bickerstaff Heath Delgado Acosta LLP, Austin, TX
		<i>“The National Oceanic and Atmospheric Administration’s RESTORE Act Science Program: Research Priorities”</i> Becky Allee, Ph.D. Senior Scientist National Oceanic and Atmospheric Administration’s (NOAA) Gulf Coast Services Center (GCSC)
10:00-10:15	Exhibits	Networking Coffee Break and Exhibits
		SAND DUNES A, B, C

Group Session V 10:15-12:00	Keynote Speaker	Stormwater V – Water Reuse Chair: Juan De La Garza, Stormwater Manager, City of Mission Vice Chair: Xavier Cervantes, City Planner, City of San Juan <i>“Legal Issues regarding the Reuse of Wastewater”</i> Emily Rogers Partner Bickerstaff Heath Delgado Acosta LLP, Austin, TX
		<i>“Pilot Testing for Indirect Potable Reuse in Florida: Clearwater’s Groundwater Replenishment Program Takes the Next Step”</i> Jarrett K. Kinslow, P.E. & Dave MacNevin Project Managers Tetra Tech, Orlando, FL
<i>“Conservation, Reuse, and Water Quality versus The Big Drought”</i> Roger E. Schenk Jr. CDM Smith, Austin, TX		
SAND DUNES A, B, C		
Lunch		
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		
Poster Winners – Announcement		
SAND DUNES A, B, C		
Stormwater VI – Legislation Chair: Rodrigo Davila, Director of Planning, City of San Benito Vice Chair: Jaime Flores, P.G., ACWP, Weslaco, TX		
Group Session VI 1:15-3:00	<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	

	Exhibits	<i>“White House Initiatives in Region 6”</i> Adele Cardenas-Malott, P.E. Senior Policy Advisor Water Quality Protection Division EPA Region 6, Dallas, TX
3:00-3:15		Networking Coffee Break and Exhibit
Group Session VII 3:15-5:00		SAND DUNES A, B, C
		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
		<i>“Plastic Bags in the Environment – some facts about what happens to all the plastics we discard, at a worldwide scale”</i> Mike Bira NPS Project Manager EPA Region 6 Dallas, TX
		SAILFISH
		3rd Annual Javelina Engineering Alumni Social
		Networking and Social
	MC: Ponciano Longoria, P.E., President LRGV Engineering Javelina Alumni Chapter Public Works Director, City of Edinburg  Armando “Mando” Martinez State of Texas State Representative, District #39	
	Luau Outdoor Party – Food and Music Band: Fuel for Four, Harlingen, TX	
Friday, April 11, 2014- Outreach, Stormwater, & Rain Harvesting		
7:30 -8:30	Registration and Exhibition	Breakfast
Group		SAND DUNES A, B

<p>Session VIII 8:30-10:15</p>	<p>Reception Area</p>	<p>Stormwater VIII – Stormwater Topics Chair: Javier Mendez, Parks & Rec Dir., Cameron County Vice Chair: Rosendo Flores, Public Works, City of Palm Valley</p>
<p>10:15-10:30</p>		<p>Closing Remarks Stephan J. Nix, Ph.D. Dean, Frank H. Dotterweich College of Engineering Texas A&M University-Kingsville</p>
<p>Group Session IX 10:30-12:00</p>		<p><i>“Industrial 201E Authorizations for Beneficial Reuse”</i> Kara Denney Industrial Permit Writer Water Quality Division TCEQ, Austin, TX</p>
		<p><i>“Building Power in Colonias Through LID”</i> Hugo Colon Acevedo Landscape Architect Omar Hakeem, Associate AIA BC Workshop</p> <p><i>“Protecting Groundwater Quality”</i> Emily Rogers Partner Bickerstaff Heath Delgado Acosta LLP, Austin, TX</p>
		<p>Mini Break</p> <p>SAND DUNES A, B</p> <p>Stormwater IX – LID Chair: Joe Hinojosa, Santa Cruz Irrigation District #15 Vice Chair: Isidro Valencia, City of La Joya</p> <p><i>“Award Winning Green Roadway Design Concept”</i> Jerimi Henry, P.E. URS Corporation, Austin, TX</p> <p><i>“Potential Green Infrastructure Funding Sources”</i> Suzanna Perea Stormwater/Green Infrastructure Coordinator Smart Growth/Sustainable Communities Coordinator Permits and Technical Section EPA Region 6 Water Quality Protection Division</p> <p>Raffle Winner Announcement – Must be Present to Win Weekend Stay at the Pearl SPI Resort</p>

Members of the LRGV TPDES Stormwater Task Force Founded in 1999



Cameron County



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.

Speakers

Kim D. Jones, P.E., Ph.D.
Eugene Palacios, P.E.
Ponciano Longoria, P.E.
Jaime Flores, P.G.
Brent Larsen
Honorable Eddie Lucio III
Honorable Armando Martínez
Honorable Terry Canales
Ivan Santoyo
Kara Denney
Hanne Nielsen
Tracey King-Núñez
Beverly Storey, RLA
Francisco Chavero
Arthur Talley, P.E.
Emily Rogers
David Mendez
Claudia Russell
Jett McFalls
Javier A. Kypuros, Ph.D.
Jude A. Benavides, Ph.D.
Adele Cardenas Malott, P.E.
Jungseok Ho, Ph.D.
Dr. Stephan J. Nix,
Francisco Chavero,
Carmen Pérez García,
Perry Vaughn
Jessica Baker, P.E., CFM
David Garcia
Becky Allee, Ph.D.
Melisa Gonzales
Mike Bira
Augusto Sanchez, MS, CFM
Troy M. Dorman, Ph.D.
Kara Denney
Lisa Lemont, CPSWQ
Suzanna Perea
Jarrett Kinslow, P.E.
Robert E. Schenk, Jr.
Hanne Nielsen
Timothy Hessler, CSM, ARCSA, AP
Tracy King Nunez
Jerimi Henry, P.E.
Francisco Chavero, Jr.
Hugo Colon Acevedo
Jonathan Diaz

Texas A&M University-Kingsville
ASCE, Rio Grande Valley Branch, President
TX Public Works Assoc. (TPWA) RGV Branch
Arroyo Colorado Watershed Coordinator
EPA, Region 6, Dallas, TX
State Representative, District 38
State Representative, District 39
State Representative, District 40
Environmental Services Department, City of Laredo
Water Quality Division, TCEQ, Austin, TX
Water Quality Division, TCEQ, Austin, TX
Environmental Services Department, City of Laredo
TX Transportation Institute, TAMU, College Station, TX
Environ. Investigator, TCEQ Region 15, Harlingen, TX
Project Mgr., TCEQ Nonpoint Source Team
Atty, Bickerstaff Heath Delgado Acosta LLP, Austin, TX
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Associate Professor of Environmental Sciences, UTB
Sr. Policy Advisor, Region 6, EPA, Dallas, TX
Civil Engineering, UTPA, Edinburg, TX
Dean, College of Engineering, TAMUK
Environ. Investigator, TCEQ Reg. 15, Harlingen, TX
Hon. AIA Executive Director, AIA RGV Chapter
Exec. Dir., RGV Chapt., Assoc. Gnl. Contractors of America
Texas Floodplain Managers Association
Deputy Dir., WQ Protection Div., EPA Region 6, Dallas, TX
Senior Scientist, NOAA, Gulf Coast Services Center
City of Alamo, Chair LRGV TPDES Storm Water Task Force
NPS Program, EPA Region 6, Dallas, TX
REA I, TAMUK
Tetrattech, Austin, TX
TCEQ, Austin, TX
Hydro International, Portland, Maine
EPA Region 6, Dallas, TX
URS Corporation, Orlando, FL
CDM Smith, Austin, TX
TCEQ, Austin, TX
PARKUSA, Houston, TX
City of Laredo, Laredo, TX
URS Corporation, Austin, TX
TCEQ Region 15, Harlingen, TX
BC Workshop, Brownsville, TX
TCEQ Region 15, Harlingen, TX

Program Chairs

Brianna Saenz, E.I.T., MS
Kim D. Jones, P.E., Ph.D.
Augusto Sanchez, MS, CFM
Joe Hinojosa
David Salinas
Melisa Gonzales
Paula Rodriguez
Xavier Cervantes
Rene Jaime
Roy Jimenez
Isidro Valencia
Jacinto Hinojosa
Rudy Garza
Juan De La Garza
Ernesto Hinojosa, P.E.
Rosendo Flores
Hector Lerma
Omar Cano, E.I.T.
Ponciano Longoria, P.E.
Jose Figueroa
Rodrigo Davila
Javier Mendez

Conference Planning Team

Javier Guerrero, E.I.T., MS
Brianna Saenz, E.I.T., MS
Kim D. Jones, P.E., Ph.D.
Augusto Sanchez, MS, CFM
Monica Hernandez
Omar Cano
Juan De La Garza
Jacinto Hinojosa
Rodrigo Davila
Jungseok Ho, Ph.D.
Melisa Gonzales
Omar Rios
Jose Figueroa
David Salinas
Xavier Cervantes
Rosendo Flores
Jaime Flores, P.G.
Roy Jimenez


Texas A&M University-Kingsville
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Santa Cruz Irrigation District #15
City of Weslaco
City of Alamo
City of La Feria
City of San Juan
City of San Juan
City of Donna
City of La Joya
City of San Benito
City of Alton
City of Mission
County of Cameron
City of Palm Valley
Cameron County Drainage District #1
City of Edinburg
City of Edinburg
City of Brownsville
City of San Benito
Cameron County

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Texas A&M University-Kingsville
City of Edinburg
City of Mission
City of San Benito
City of San Benito
Civil Engineering, UTPA, Edinburg, TX
City of Alamo
City of Harlingen
City of Brownsville
City of Weslaco
City of San Juan
City of Palm Valley
Arroyo Colorado Watershed Coordinator
City of Donna

Exhibitors/Sponsors/Partners



Thursday, April 10, 2014- High School Education Track

9:00 -9:15	ISD Tour	Arrival ISD #1 - Orientation
9:15 -9:30		Introductions and Group Assignments (no more than 8 students per group)
9:30-11:30 (1:30-3:30)		<p style="text-align: center;">SAND DUNES D</p> <p style="text-align: center;"><i>Rain Harvesting</i> TBA Environmental Engineering Graduate student TAMUK</p> <p style="text-align: center;"><i>Groundwater Drilling and Geology</i> Jaime Flores, P.G. Texas Water Resources Institute, College Station, TX</p> <p style="text-align: center;"><i>Municipal Wastewater Treatment Process</i> Lorenzo Barron City of Mission</p> <p style="text-align: center;"><i>Permeable Paver System</i> TBA Environmental Engineering Graduate student TAMUK</p> <p style="text-align: center;"><i>Street Sweeping Equipment – Stormwater Best Management Practice</i> TBA TYMCO</p> <p style="text-align: center;"><i>Environmental Laboratories</i> Don Marek TAMUK</p>
11:00-11:15	Arrival ISD #2 - Orientation	
11:15-11:30	Plenary Both Groups	Introductions and Group Assignments (no more than 8 students per group)
11:30-12:30		<p style="text-align: center;">Kim Jones, P.E., PhD Environmental Engineering</p> <p style="text-align: center;"> Alma Limas TAMUK – Admissions</p> <p style="text-align: center;">SAND DUNES D</p>
12:30-1:30		Lunch (Both Groups)
1:30	ISD #1 Departure	
1:30-3:30	ISD #2 Tour	SAND DUNES D
3:30		(see above)
		ISD #2 Departure



Biography - Rep. Armando "Mando" Martinez, - District 39

Occupation: Firefighter, Licensed Paramedic, Critical Care Flight Paramedic, Texas Department of Health Instructor and Coordinator

Education: University of Texas Pan American, B.S.

Hometown: Weslaco

Party: Democrat

Parents: Alfredo Martinez and Esmeralda Martinez, Cardenas (Nephew of the Late State Representative Renato Cuellar.)

As a native of Weslaco and Hidalgo County, I am the youngest of three children educated through the Weslaco Independent School System. In May of 1998 I received my Bachelor of Science degree from the University of Texas-Pan American in Edinburg. After considering many other different occupations prior to graduating, I wanted whole-heartedly to assist the community with my education and knowledge. In October of 1998, I was hired by the City of Weslaco Fire Department EMS, which allowed me to provide prehospital care and to assist the sick, and injured within the community. Within a year of employment with the Fire Department I completed the Fire Academy and obtained my licensure in paramedicine through Texas State Technical College. Later in 2000 I was hired by Valley Aircare as a Critical Care Flight Paramedic to provide prehospital treatment both Nationally and Internationally transporting critically ill patients to higher level of care facilities. While working with the fire department, I became an instructor in several areas giving me the ability to extend my knowledge to educate the community by offering free CPR courses. I recently, became a Coordinator through Texas Department of Health, which has allowed me to provide a Self Study "In House" Emergency Medical Technology program for EMT and Paramedic training at a lower cost for fire departments across the Rio Grande Valley.

As State Representative for District 39, I strongly support:

- Ensuring education budgets are not reduced.
- Improving health care for the Rio Grande Valley by focusing on Medicaid issues as well as indigent health care.
- Improving living conditions within colonias to include sanitation, running water and safety.
- Developing an infrastructure that will create economic opportunity for the community by boosting employment within the Rio Grande Valley.

As an active member of the community, I believe that together we can make a difference for district 39 and the Rio Grande Valley. Fresh ideas and enthusiasm are of importance to lead District 39 towards growth and prosperity.



Biography Rep. Eddie Lucio III- District 38

Representative Eddie Lucio III was born and raised in Brownsville, Texas, where he practices law and lives with his family. He attended Texas Tech University on an athletic scholarship and later received a B.B.A. from the University of Texas at Austin. In 2005, he received his Doctorate of Jurisprudence from the University of Texas School of Law.

In 2006, Lucio was elected to the Texas House of Representatives, District 38, and was overwhelmingly re-elected in 2008 and 2010. District 38 is composed of the southwest region of Cameron County. During his three sessions in the Legislature, Rep. Lucio has worked diligently to attain passage of significant legislation that not only benefits his district and the Rio Grande Valley, but the entire State of Texas, while serving on prestigious committees. His accomplishments pertain to areas that are extremely essential to the development and long-term interests of South Texas, including: the push for a medical school in South Texas, establishing the Medicaid Buy-In Program, expanding insurance coverage for children with autism, providing college credit for military service and establishing energy efficiency standards for state facilities.

Rep. Lucio currently serves as Vice Chairman of the Government Efficiency & Reform committee and is a member of the Calendars and Natural Resources committees.

Through his work and with the support of his constituents, Rep. Lucio is extremely humbled by the faith and support of the people of District 38 and is committed to continue bringing about real progress for the Rio Grande Valley.

Rep. Lucio is an attorney and he is the son of State Senator & Mrs. Eddie Lucio, Jr., and is married to Jaime Barrera Lucio of Brownsville. He and his wife welcomed their first child, Olivia Rose, in August of 2009.



Biography Rep. Terry Canales - District 40

Terry Canales was born in Hidalgo County and is a native of South Texas. He was elected to the House of Representatives in 2012 to represent District 40, which encompasses the heart of Hidalgo County. The cities within District 40 include Edinburg (Hidalgo County Seat), Elsa, North Pharr, San Carlos, La Blanca, Faysville, and portions of McAllen and Weslaco.

Rep. Canales is a passionate advocate for education, always striving to ensure that our children are seen as an investment and not an expense. He holds a deep-rooted belief that education is the cornerstone of society and a great equalizer. His views on education are undoubtedly a result of his family background, his professional training, and his sincere desire to ensure that all children have the opportunity to succeed. As the son of a former schoolteacher, he was immersed in the inner workings of the public education system early on. As a child, he watched his mother teach during the day and attend college courses at night so that she could complete her Master's Degree in Special Education. Crediting his parents for his perseverance which allowed him to earn his Juris Doctrate by the age of 24, Rep. Canales has often said, "Watching my mother seemingly accomplish everything she set her mind to made me certain that I could do the same."

Following in the footsteps of his father Terry A. Canales, a former State District Judge, and his uncle Arnulfo Gonzalez Jr., Rep. Canales attended and completed his law degree at St. Mary's University of Law. While attending St. Mary's, he worked part time as a legal research assistant for renowned San Antonio attorney Jack Paul Leon, a distinguished St. Mary's Law alumni. Upon passing the Texas State Bar Exam, Rep. Canales opened his own law practice on Closner Boulevard in Edinburg, Texas, the heart of District 40.

Rep. Canales made history on January 8, 2013, when he was elected to serve as a State Representative. His victory marked the first time voters had elected three members of the same family to the House of Representatives: His father, Terry A. Canales, was the first Hispanic State Representative to represent Jim Wells County, serving from 1973-1977. His sister Gabriella "Gabi" Canales served in 2002. He is also the sixth member of his extended family to serve in the Texas House of Representatives. Perhaps the most recognized of Rep. Canales' family is his great uncle, Jose Tomás Canales, a Brownsville Democrat who served a total of five terms between 1905 and 1921. He was a founding member of the League of United Latin American Citizens (LULAC), and is most famous for defending the Hispanic community against the injustices perpetrated by the Texas Rangers.

Most importantly, Rep. Canales is married to Erica E. Canales, and is the father of Terry Andres Canales II, and the stepfather of Juliana Figueroa. They live in Edinburg, Texas, where Juliana attends public school, and Baby Terry will soon begin pre-school. "Being a father is by far the most daunting challenge I have ever encountered&€most anyone can raise a child, but raising them right, so that they are productive, self-sufficient, contributing members of society is the real goal," Canales says. The couple is expecting a baby boy who will be born during the legislative session this April, otherwise known in the Texas Capitol as a "Session Baby."



Office of the President

Dr. Steven H. Tallant became the 19th president of Texas A&M University-Kingsville in October 2008. He immediately focused on building a leadership team, increasing enrollment, enhancing university facilities and increasing the visibility of the campus through a wider marketing initiative.

These efforts resulted in an enrollment increase of more than 12 percent for Fall 2010 and an investment of approximately \$80 million in new construction and renovations on campus, including two new residence halls, a new recreation center and a new dining facility. In addition, plans for a third residence hall are well underway. This expansion was accompanied by development of a campus master plan to guide growth and construction over the next 50 years.

Tallant also placed an emphasis on research at the university with tremendous results. In 2010, the university received \$23 million dollars in research and sponsored programs. That amount is a record high for the university, up three million dollars from 2009, and up more than 56 percent in two years.

Prior to joining the university, Tallant served as provost and vice chancellor for academic affairs at the University of Wisconsin-Eau Claire where he was responsible for all undergraduate and graduate academic programs. He also provided leadership in several restructuring initiatives, including the creation of the College of Education and Human Sciences and the College of Nursing and Health Services.

He also has 20 years of military service and served as chief of Air Force Family Research at the Pentagon from 1991-1994. President Tallant earned his B.A. (Sociology) from the University of Florida, his M.S.W. (Social Work) from the University of Utah and his Ph.D. (Social Welfare) from the University of Wisconsin-Madison.



Office of the Dean

Dr. Stephan J. Nix was born in Forest, Mississippi and grew up in south Florida graduated from South Dade High School in 1970. He attended the University of Florida where he received a Bachelor of Science in Engineering Science, a Master of Engineering in Environmental Engineering Sciences, and the Doctor of Philosophy in Environmental Engineering Sciences. Dr. Nix has served on the civil and environmental engineering faculties, and held several administrative positions, Syracuse University (1983-1994), The University of Alabama (1994-1997), Northern Arizona University (1997-2001), and Florida Atlantic University (2001-2004). From 2004 to 2009, he served as the Director of the School of Engineering at the University of North Florida.

Dr. Nix's principal research interests are in environmental systems modeling and urban stormwater management. He has conducted research projects for the National Science Foundation, the AWWA Research Foundation, Alabama Power Company, Niagara Mohawk Power Corporation, the US EPA, Arizona Department of Environmental Quality, and several other public and private organizations. He has also been a consultant to nearly 20 companies and agencies in the area of urban stormwater management and modeling, combined sewer overflow abatement, and general watershed modeling. Currently, Dr. Nix holds the position of Dean of the Frank H. Dotterweich College of Engineering at Texas A&M University-Kingsville.



Dr. Kim D. Jones, P.E. , Director of The Institute for Sustainable Energy and the Environment, Professor, and Chairman of Environmental Engineering Department

Education

- Ph.D., Environmental Engineering, Georgia Institute of Technology, 1997
- M.S., Environmental Engineering, Georgia Institute of Technology, 1994
- M.S., Petroleum Engineering, University of Texas at Austin, 1981
- B.S., General Engineering, USMA, West Point, NY, 1974

Research Interest

Natural Systems engineering applications for solid and hazardous waste treatment; Environmental biotechnologies for air and water treatment; Geochemical interactions between organic pollutants and soils and sediments, characterization of natural organic matter extracted from soils, sediments and natural waters, Constructed wetlands, Vapor phase biofiltration for air toxics, water reuse applications, Fate and transport of contaminants in subsurface systems. Solid and hazardous waste management.



David F. Garcia, Deputy Director
Water Quality Protection Division
EPA Region 6, Dallas, TX



David Garcia has served as the Deputy Director of the Water Quality Protection Division for EPA Region 6 since April 2013. He oversees the implementation of the Clean Water Act and the Safe Drinking Water Act in the five-state area of EPA's Region 6. Prior to stepping into the Deputy Director's role, David served as Acting Director for the Region's Multimedia, Planning and Permitting Division and served as the Deputy Assistant Regional Administrator for Management for a portion of 2012 and 2013.

David has been with the Region 6 Office since 1991 and has served the majority of that time in Air Permitting and Air Enforcement management positions. He also served as the Special Assistant to the Region's Deputy Regional Administrator for a portion of 2002. David earned a Bachelor's of Science degree in Civil Engineering from the University of Texas in Arlington in 1986. He received a certification as a registered Professional Engineer in Texas in 1992.



Adele Cardenas Malott, P.E., Chemical Engineer,
Senior Policy Advisor
EPA Region 6, Dallas, TX

Adele Cardenas Malott is a senior environmental engineer with over 20 years experience in EPA Region 6. She currently holds a position as a Senior Policy Advisor for the Water Quality Protection Division and Regional Administrator's Office regarding a special project pertaining to the Asbestos NESHAP. She is the Urban Water's Coordinator for Region 6 as well as the lead region representative for this topic. She also manages the US/Mexico Global Environmental Fund (GEF) Rio Bravo project approved and awarded recently in the Winter of 2010 by the United Nations GEF. She is the Technical Advisor for the Rio Bravo Project for the United States. She was previously the Decentralized Coordinator for the Water Quality Protection Division, and an active member of the Water Division's U.S. Mexico Border Team. She also held the position of the River Navigator for the Rio Grande under the 1998 American Heritage River Initiative (AHRI). As the River Navigator, she was lead for the 18 federal agencies charged with coordinating and assisting communities along the Rio Grande in implementing projects related to the three AHRI objectives of economic revitalization, historic and cultural preservation, and environmental protection. She has also served a two-year detail as the Special Assistant for the Regional Administrator, Gregg Cooke. Previous experience also includes positions in the EPA programs dealing with Title V air permits, NPDES permits, public water supply issues and innovations activities in Region 6. Adele has also been the environmental engineer with Chaparral Steel Company in Midlothian, Texas and Kraft Food Ingredients in Sherman, Texas. Adele is currently a registered professional engineer in the State of Texas and holds a B.S. in Chemical Engineering from Texas A & I University in Kingsville, Texas.



Brent Eric Larsen, Chief
Permits and Technical Assistance Section
NPDES Permits & TMDLs Branch
EPA Region 6, Dallas, TX

Mr. Larsen received a BS in Wildlife and Fisheries Sciences from Texas A&M in 1984. He joined EPA Region 6's Water Management Division, Enforcement Branch in October 1984, and enforced National Pollutant Discharge Elimination System (NPDES) Permits. In December 1987, he transferred to the NPDES Permits Branch. From 1987 to 2010, he served as the Regional NPDES Storm Water Coordinator and participated both in the development of regulations for Phase I and II of the NPDES Storm Water Program, storm water general permits, and municipal separate storm sewer system permits, and in development and implementation of storm water permitting programs at the federal and state levels. Mr. Larsen currently serves as the Chief of the Permits and Technical Assistance Section in the NPDES Permits and TMDL Branch of EPA Region 6's Water Quality Protection Division.



Suzanna M. Perea
Stormwater/Green Infrastructure Coordinator, Permits and Technical Assistance
Section (6WQ-PP)
EPA Region 6, Dallas, TX

Suzanna earned a BS in Chemistry and an MS in Environmental Management from Hardin-Simmons University in Abilene, Texas. For the past fifteen years, Suzanna has worked as an environmental scientist in a variety of Clean Water Act programs at the state and federal level. Currently, Suzanna coordinates stormwater and sustainability-related programs such as the Green Infrastructure Program and the Sustainable Communities Partnership.



Mike Bira
NPS Program Manager
EPA Region 6, Dallas, TX

Mike has been at EPA for 25 years. Currently he is the Nonpoint Source Program Manager for Oklahoma and Co-Manager for Texas, Nutrient Co-Coordinator, and Volunteer Monitoring Coordinator. Mike is responsible for assisting the states of OK and TX in development and execution of the states' NPS Programs. Prior to his EPA career, Mike was a Field Biologist for the State of TX. He holds a MS in Aquatic Biology from Texas State University and a BS in Marine Biology from the University of Tampa.

NOTES



Arthur Talley, P.E.

Texas Commission on Environmental Quality, Austin, TX

Mr. Talley is a Registered Professional Engineer in Texas. Mr. Talley has Bachelors and a Masters Degrees in Civil Engineering from the University of Texas at Austin. Mr. Talley has worked for the TCEQ for over 25 years as a water quality modeler, a Superfund project manager, Team Leader of the Nonpoint Source team, and TMDL program project manager. Mr. Talley has worked as a consulting engineer, serving as a project manager for hazardous waste permitting, site remediation, petroleum storage tank removal, and environmental site assessments. Currently, Mr. Talley manages contracts and special projects for the TCEQ Nonpoint Source Program.



Kara Denney, Industrial Wastewater Permit Writer

Water Quality Division
Texas Commission on Environmental Quality

Kara has been a permit writer with the Industrial team for a year and a half. She started with the agency as a Mickey Leland intern with the Water Quality Standards Group. Kara received her Bachelors of Science in Geography of Water Studies from Texas State University and is currently pursuing her Masters at Texas State in GIS.



Hanne Lehman Nielsen, Senior Environmental Permit Specialist

Water Quality Division
Texas Commission on Environmental Quality

Hanne has been working for TCEQ since August 2009. She is a Senior Environmental Permit Specialist in the Stormwater and Pretreatment Team within the Water Quality Division. She is responsible for drafting individual and general storm water discharge permits under the Texas Pollutant Discharge Elimination System (TPDES).

Hanne earned her BS equivalent degree in Medical Technology from the Copenhagen School of Medical Technology in 1984, her MS in Environmental Science at Drexel University, Philadelphia in 1992 and her MS in Environmental Management at the Technical University of Denmark in 2004. Her experience includes two years in the private industry as a consultant on environmental sampling and monitoring and more than 13 years of experience in the public sector. She was an industrial permit writer in Denmark and worked on the decommissioning of a nuclear reactor, where she performed quality management, auditing and work place safety. In the US, while participating in a research project to assess the environmental impact of highway construction and use on water quality and quantity in the Austin area, she managed an environmental laboratory.