



Consortium Updates and Upcoming Events

- Upcoming Events of Interest
 - New Mexico State Fair Public Outreach - Sept 16 in ABQ - Need Volunteers
 - BGNDRF WIN Conference - Sept 21 and 22 in Alamogordo
 - Produced Water Reuse Conference - September 27-28 in Houston
 - New Mexico Desal Association Workshop - October 20 in Albuquerque
 - Legislator Workshop - October at NMSU
- Treated Produced Water Collection and Analysis
- Non-target (unknown) Analysis Testing at NMSU
- YouTube and Podcasts come to NMPWRC
- 2022 Year end Review - SAVE THE DATE - December 6-7 in Albuquerque
- Consortium MOU Renewal

New Mexico State Fair - Technology and Environment Day, Friday Sept 16th in Albuquerque
The Public Education and Outreach Committee will have a booth with handouts, information, and the ability for the public to fill out a questionnaire about knowledge of produced water from 7:30 am to 3:00 pm. This day generally brings in 10,000 fairgoers, and we hope to be able to collect information on the public's knowledge and interest in produced water treatment and reuse to inform future outreach and to support discussions with legislators. We could use additional volunteers, so if you are interested in manning our booth for a few hours on Friday 9/16, please contact Deborah Dixon at ddixon@dkdengineeringinc.com.

BGNDRF WIN Workshop - Sept 21 and 22

The Brackish Groundwater National Desalination Research Facility's 5th Annual Water Innovations and Networking (WIN) Workshop is just a month away! There is a great list of speakers for the WIN Workshop. There are a few opportunities left for 3-Minute Pitches. If you have an idea to share, be sure to register to get on the agenda by **8/31/2022!**

[WIN Workshop Speakers](#)

Registration and attendance is free. As you start to make your travel plans, you can register for the WIN Workshop on Eventbrite below.

[WIN Workshop Eventbrite Registration](#)

NMPWRC will be there and GC Technologies will be providing a lab-scale demonstration of their produced water pre-treatment technology for BOR. If you are interested in future testing at BGNDRF, or in making contacts, this is a great event to attend.

The 11th Permian Basin Water Management Congress (September 27-28, Houston)

It will address the industry's pressing questions on regulatory changes on the horizon for SWD disposal, as well as evaluating solutions for the industry and regulators to work on tackling seismicity and reuse. David Feather, *Permitting Section Chief*, New Mexico Environment Dept will address questions in New Mexico and examine forthcoming regulations on emissions

impacting water storage ponds, tanks & facilities. NMPWRC management will be involved in three separate sessions.

NMPWRC Members are being provided a 25% discount with discount code **NMPWRC25** when they register here:

<https://www.american-business-conferences.com/c840/water-management-permian-basin-2022/>

New Mexico Desal Association Workshop - “New Water for New Mexico” October 20th

This workshop will focus on the opportunities surrounding the use of unconventional water resources. Exactly what resources are available for use, what treatment options exist, distribution of the resources, and economics will all be covered. Unconventional water resources include brackish ground and surface waters, and recycled industrial and manufacturing wastewater. The event will also provide information on “closed loop” systems.

The event, which includes lunch, will be held at the Sandia Resort & Casino at 30 Rainbow Road in Albuquerque. The cost to attend will be \$55 per person and tickets must be purchased in advance. **Tickets are not available the day of the event.** To register click - [New Water for New Mexico](#)

NM State Legislator Workshop - At NMSU in October

The NMPWRC will hold a State Legislator workshop in October to inform state legislators on Consortium research results and the potential to supplement fresh water resources in New Mexico by treating and reusing produced water. The goal of the workshop, which has been requested by legislators, is provide them with information to develop legislation to support future research and implementation. Past, current, and potential Consortium sponsors and community officials will be invited to provide additional input and suggestions.

Treated Produced Water Collection and Analysis

The Consortium will be collecting pairs of “raw and treated produced water” samples for both the US EPA, the our Risk and Toxicology Working Group this fall. This is to support both groups efforts and risk and toxicology evaluation programs. We will also be providing samples of treated produced water concentrate for a researcher in Houston for mineral recovery.

The collection efforts will take place from mid-September to mid-October and from mid-November to mid-December. While the focus will be the Permian Basin, water from other basins and adjoining states TX, CO, AZ, or UT would be considered if a treatment project fits into the identified timelines. We are asking producers and midstream companies involved in any treatment testing to let us know. The treated water quality data from pilot testing will be extremely helpful to the EPA and the our Risk and Toxicology Group in evaluating the human, ecological, and environmental impact models and approaches being developed.

Please let us know if you are aware of any produced water treatment studies where we could collect samples for these studies. We will consider those in conjunction with Consortium coordinated studies already scheduled for sample collection.

Non-target (unknowns) Analysis Testing at NMSU

Dr. Himali Delanka-Pedige is a post-doc that started August 15th at NMSU to operate the HRLCMS for produced water samples. With this new research position, NMSU will be able to conduct 'non-target analysis' of treated produced water in support of both the Consortium's risk and toxicology efforts, and from Consortium member projects as a service.

We plan to conduct 'non-target analysis' for all future Consortium treatment technology studies. This will help industry establish a data base of likely constituents and their associated toxicities and risks of treated produced water to support science-based regulations.

You-Tube, Podcasts, and Tech Talks come to NMPWRC

The Public Education and Outreach Committee has been working with the public and stakeholders to identify additional technical outreach approaches for different groups. Three additional outreach methods are being added that you will soon be on our website:

- Our own You Tube site
- A Podcast Series - Produced Water - Challenges and Opportunities
- Tech Talks - based on issues of interest or training needs as defined by Consortium members and public input - i.e. green fracking, ESG metrics and how to use them, habitat improvement projects with produced water, treatment technology demonstration data, Produced Water 101, Risk and Tox Modeling, etc.

The Pod Casts are being produced in cooperation with Conoco-Philips, based on a successful series of Pod Casts they developed. The Tech Talks are currently in the planning stage. We are looking for your suggestions and recommendations for a wide range of topics of potential interest. Please let us know your thoughts and ideas.

Consortium Participation and Outreach

Consortium management participated in the following efforts and forums since June:

- Tx Produced Water Consortium - Member Input Meeting on Legislature Report - August
- Produced Water Society/Permian Basin - Panel Session - August

2022 Year end Review - SAVE THE DATE - December 6-7 in Albuquerque

The Consortium Year-end Review is currently scheduled for December 6-7 in ABQ. We have enough information to share that both days should be fully packed. We are still finalizing the venue and hotels. Stay tuned.

New Mexico Produced Water Research Consortium - MOU Renewal

NMSU and NMED are currently working on updating the Consortium MOU which ends September 30, 2022. Both organizations are actively working on ways to improve Consortium operations, oversight, and outreach. Collaborative discussions will take place during September. Both organizations are pursuing an expected multi-year year extension.

