

# Free Workshop

May 8, 2018

Spencer, Iowa

Presented by:



# Membrane



Treatment  
Workshop

Association of  
**REGIONAL WATER**  
Organizations

## Registration

Name: \_\_\_\_\_

System: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Fax: \_\_\_\_\_

**Act Now!**

**Space is limited for the workshop!**

**Registration is required!**

Please complete the following information and return

Call: 712-262-8847

Fax: (712) 262-2841

Email: [kelly.graplar@ilrw.org](mailto:kelly.graplar@ilrw.org)

**Registration deadline is May 1, 2018**

Iowa Lakes Regional Water  
P.O. Box 555  
Spencer, Iowa 51301

The Association of Regional Water Organization (ARWO) would like to invite you to join us and your peers for a **free workshop**. Get valuable information you need from our expert trainers to maintain compliance with the Safe Drinking Water Act (SDWA) and state regulations.

With a variety of topics, speaker with presentations, our training meets the requirements of system specialists (operators), management, office staff and decision makers.

Technical assistance to address compliance issues are available from DNR at no cost.

## →5.0 CEU hours for Water Treatment



“ARWO’s mission is to promote the present and future effectiveness of regional water and wastewater systems in delivering resilient and affordable services.”

For more information call

712-262-8847

Or visit the following websites:

[www.ilrw.org](http://www.ilrw.org)

<https://www.harnrosystems.com>

<https://www.arwo.org>



Association of  
**REGIONAL WATER**  
Organizations

## LOCATION

May 8, 2018

Spencer Community Schools  
Administration Building  
Conference Room B  
23 East 7th Street  
Spencer, IA 51301



This training is sponsored by the Association of Regional Water Organization, DGR Engineering and Harn R/O.



## MEMBRANE TREATMENT WORKSHOP AGENDA

7:30	REGISTRATION
8:00	Theory of Osmosis, Membrane Terminology, Filtration Index & Chemistry, Element Construction, Pretreatment, & SDI testing
10:00	BREAK
10:15	Array design & staging, Design projections, Formulas & data monitoring, Normalization, Trouble shooting & cleaning
12:00	LUNCH PROVIDED BY HARN R/O
1:00	Membrane Components, Discussion of Regional Issues
2:00	Open Forum for Q & A
2:30	Wrap - Up & CEUs

Speaker:

Julia Nemeth - Harn, PE  
Harn R/O Systems Inc.

