

| NWMOA 2020 Online Training Program | | | | | |
|--|---------|---------|--|---|---|
| "Membrane Applications & Training: Drinking Water, Wastewater & Industrial" | | | | | |
| Note: Nathan Kutil will moderate all sessions | | | | | |
| Mountain Time | Minutes | Session | Name | Organization | Presentation Name |
| Wednesday, Aug. 26th: 1st of 3 part series (2020-02) | | | | | |
| 11:00 AM - 1:00 PM Part 1: Membrane System Plant Design (RO Case Studies) | | | | | |
| 11:00 - 11:10 | 10 | MOD | Nathan Kutil | HDR Engineering, Inc. | Introduction & Opening Remarks (Welcome, Thanks You to Sponsors and Attendees and Instructions for Contact Hours) |
| 11:10 - 11:40 | 30 | 02-1 | Bob Kimball | Wood | Berkeley Pit Polishing Plant |
| 11:40 - 12:10 | 30 | 02-2 | Tom Seacord | Carollo Engineers, Inc. | Remediation of Sulfate Contaminated Groundwater in the Salt Lake Valley |
| 12:10 - 12:40 | 30 | 02-3 | Russ Swerdfeger | DuPont Water Solutions | Quality Considerations in Membrane Production |
| 12:40 - 1:00 | 20 | 02-4 | Q&A Nathan Kutil to ask questions from attendees to all Presenters | | |
| 1.50 Contact Hrs/ Attending per Part | | | | | |
| Wednesday, Sept 2nd: 2nd of 3 part series (2020-03) | | | | | |
| 11:00 AM - 1:00 PM Part 2: Membrane System Plant Design (MF/UF Case Studies) | | | | | |
| 11:00 - 11:10 | 10 | MOD | Nathan Kutil | HDR Engineering, Inc. | Introduction & Opening Remarks (Welcome, Thanks You to Sponsors and Attendees and Instructions for Contact Hours) |
| 11:10 - 11:40 | 30 | 03-1 | Chelsea Stewardson | WesTech Engineering, Inc. | Review of Backwash Capture Methods to Increase System Recovery |
| 11:40 - 12:10 | 30 | 03-2 | Dave Holland | Aqua-Aerobic Systems, Inc. | Lessons Learned after Three Years at Montana's First Ceramic Membrane Drinking Water Plant |
| 12:10 - 12:40 | 30 | 03-3 | Chad Bennett | Pall Water | Piloting Confirms Phosphorus Reduction in Waste Water Discharge to Improve the Health of the Spokane River |
| 12:40 - 1:00 | 20 | 03-4 | Q&A Nathan Kutil to ask questions from attendees to all Presenters | | |
| 1.50 Contact Hrs/ Attending per Part | | | | | |
| Wednesday, Sept 9th: 3rd of 3 part series (2020-04) | | | | | |
| 11:00 AM - 1:00 PM Part 3: Membrane System Plant Design (MBR) | | | | | |
| 11:00 - 11:10 | 10 | MOD | Nathan Kutil | HDR Engineering, Inc. | |
| 11:10 - 11:55 | 45 | 04-1 | Tina St. Pierre & Nicole Chin | SUEZ Water Technologies & Solutions | Introduction to MBR |
| 11:55 - 12:40 | 45 | 04-2 | Rika Lashley & Bill Andrene | Morrison Maierle & Butte-Silver Bow Water Utility | Design and Operation of the Butte-Silver Bow MBR |
| 12:40 - 1:00 | 20 | 04-3 | Q&A Nathan Kutil to ask questions from attendees to all Presenters | | |
| 1.50 Contact Hrs/ Attending per Part | | | | | |
| 4.50 Total Contact Hrs/Attending Full Series | | | | | |