



Native American Water Association

Membrane Bioreactor & Sequencing Batch Reactor Wastewater Plant Operations Training - September 24-25, 2015

Barona Valley Ranch Resort & Casino

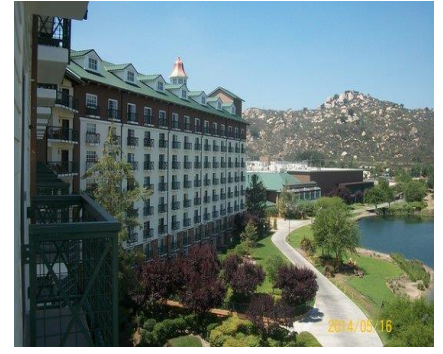
1932 Wildcat Canyon Road
Lakeside, CA 92040

Why do we need Wastewater Plant advanced training?

As tribal communities continue to grow and develop more economic development venture more and more tribes have built various wastewater systems such as Sequencing Batch Reactors (SBR), Membrane Bioreactor (MBR) systems and other Biological Treatment Plants, it has become necessary for operators and managers to become more aware of the protection of public health in our communities and other public facilities as well as having the confidence in knowing the people in charge of these systems have the up-to-date knowledge on their facilities.

Who should attend this training opportunity?

This course has been designed for ***Tribal MBR & SBR and other Biological Wastewater Plant Managers and Operators***, which have the responsibility of providing safe and sanitary systems in their communities. This training opportunity will assist you in developing a greater understanding of our roles and responsibilities as we protect our communities and other public users.



Training site:

Barona Valley Ranch Resort & Casino
1932 Wildcat Canyon Road
Lakeside, CA 92040
Hotel reservations: 1(877) 287-2624.

The Instructors

This training program has been designed and is instructed by Mr. Tom Crawford and Mike Cherniak, Native American Water Association. Tom has over 20 years of experience and Mike has over 25 years as an environmental trainer, providing training to managers, operators and other tribal officials on a number of Tribal and Public Water and Wastewater systems issues. Their knowledge and insight are continually in demand in the NAWA's work with Tribal Communities and Tribal Drinking Water and Tribal Wastewater Plant personnel.

NAWA will issue 1.5 CEU's at the completion of the course.

There is no fee to attend this Tribal MBR and SBR Wastewater Plant Operations Manager and Operator training opportunity.

Agenda / Course Outline

Day 1: 8:00 am – 4:00 pm

- Introductions
- MBR & SBR Troubleshooting (discussion)
- Nitrification and De-Nitrification
- Phosphorus Removal (Biological and Chemical)

Day 2: 8:00 am – 4:00 pm

- Biological Treatment Troubleshooting
- Activity Scheduling – Setting up an Annual Task Schedule (hard copy and electronic)
- Predictive Maintenance Ideas
- Reclaimed Wastewater Usage Ideas (discussion)



Membrane Bioreactor (MBR) & Sequencing Batch Reactor (SBR) Wastewater Plants Operations Training September 24-25, 2015



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1 (877) 287-2624

This tribal training course is free of charge.

Registration form

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE (Work) _____ (Fax) _____

TRIBE/ EMPLOYER _____

EMAIL ADDRESS _____

ADDITIONAL ATTENDEES _____

*Please fax or email your
registration form to:*

*Native American Water
Association
at fax (775) 782-1021.*

*Email
NAWA@msn.com*

*Confirmation will be sent
to you by the NAWA after
we receive your
registration. For more
information you may
contact us at telephone
(775)782-6636.*

**Native American Water Association
1662 Highway 395, Suite 212
Minden, NV 89423**

“This institution is an equal opportunity provider”



Native American Water Association (NAWA)

Membrane Bioreactor (MBR) and Sequencing Batch Reactor (SBR) Wastewater Plant Operations Training

September 24-25, 2015

Barona Valley Ranch Resort & Casino
1932 Wildcat Canyon Road
Lakeside, CA 92040

Type of meeting: Tribal Advanced Wastewater Plant Course
Trainers: Mike Cherniak, CET and Tom Crawford, NAWA

	September 24, 2015	Instructors
8:00 AM to 4:00 PM	Introductions	Mike Cherniak, CET Tom Crawford, NAWA
	MBR & SBR troubleshooting (discussion)	
	Biological Nitrification and De-Nitrification	
	Phosphorus Removal (Biological and Chemical)	
	Questions and Answers	
	September 25, 2015	
8:00 AM to 4:00 PM	Biological Treatment Troubleshooting	Mike Cherniak, CET Tom Crawford, NAWA
	Establishing a Facility Specific Process Control Strategy	
	Activity Scheduling - Setting up an Annual Task Schedule (hard copy and electronic)	
	Predictive Maintenance Ideas	
	Reclaimed Wastewater Usage Ideas (discussion)	
	Questions and Answers	

Additional hotels (near Barona)

- Best Western Santee Lodge – 619 449-2626
- Days Inn El Cajon – 619 442-0973
- Best Western Continental Inn – El Cajon - 619 442-0152
- Econo Lodge Inn & Suites - El Cajon - 619 873-0446
- Super 8 – El Cajon – 619 447-3999