Native American Water Association presents……..

"Tribal Utility Management Structures and SCADA 101 and Electrical Safety 101"

October 23rd - 25th, 2018 – South Point Hotel Casino, Las Vegas, Nevada
9777 Las Vegas Blvd., South, Las Vegas, Nevada 89183 • Reservations (866) 791-7626
(Room reservation - Group Code: INF 2018)
* Room rates: Mon - Wed =$80.00 night, plus tax – Thu =$90.00 night, plus tax – Fri – Sun = $125.00

Register today for this unique Tribal Water Utility Systems training opportunity! Registrations for this course will fill up fast! For quicker registration you can register online now with a credit card at: www.nawainc.org

When? October 23rd – 25th, 2018

Where? South Point Hotel Casino, Las Vegas, NV

Registration fee: $500.00 per-person

Deadline for *registration* - ** October 10, 2018*

Who should attend this course?

Tribal Councils, Tribal Drinking Water Tribal Utility Managers, Operators, Tribal Rural Water Program Staff (RWSS), Tribal Utility Boards and Tribal Utility Committee Members. This unique training opportunity especially designed for tribal drinking water professionals who represent tribal utilities from across Indian Country.

What will this training opportunity include?

This three day class will cover, SCADA Systems 101 and Electrical Safety 101, Managing developing and maintaining a well working Utility Management Programs. Hydrant Maintenance, Manholes and Lift Station design and Development, Operational Maintenance and Distribution System Issues.

Estimated 2.5 CEU's will be awarded at the completion of this training course.

Native American Water Association brings together:

This NAWA training course will bring together **Tribal Drinking Water and Wastewater System Operators, Managers, Board Members, Council Members, Tribal Environmental staffs and Utility Board Members and anyone** with the responsibility of providing safe potable drinking water supplies, sanitary facilities and environmental services in their communities. This program will assist you in developing a greater understanding of our roles and responsibilities as we protect public health in our tribal communities.

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*** You must make your own hotel room reservations ***
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Group code: INF 2018

Course Registration Form

Print clearly or type

NAME_____

ADDRESS_____

CITY_____STATE_____ZIP_____

PHONE (Work)_____(Fax)_____

TRIBE/EMPLOYER_____

EMAIL ADDRESS_____

ADDITIONAL ATTENDEE NAMES 1._____

REQUESTING CEU's   2._____

Yes ___ No ___ (Check one)   3._____

4. _____

2.5 CEU's will be awarded at the completion of the program.

The registration form can be faxed or emailed to the Native American Water Association to reserve your spot.

For more information you may contact us at:

Email: NAWA@msn.com
Tel: (775)782-6636
Fax: (775) 782-1021

NON-REFUNDABLE

Registration fees: *$500.00 per-person*

☐ Check   ☐ Credit Card   Make check payable to:

No Purchase Orders Accepted

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

Fed EIN ID # 88-0286864

Credit Cards accepted: ☐ Visa ☐ Master Card ☐ Discover ☐ American Express

Credit Card Number – Please provide only last four digits: ___/___/___/____ Exp. Date: _____ Security code: _____

Name as it Appears on Card: _____ Amount: $ _____

Credit Card Billing Address: _____

City: _____ State: _____ Zip Code: _____

Contact Telephone for Credit Card Completion: (   ) _____

Signature of Card Holder: _____

	Native American Water Association Presents………………
	October 23-25, 2018 South Point Hotel Casino 9777 Las Vegas Blvd. South, Las Vegas, NV 89183 Hotel Reservations (866) 791-7626
Training Course Name:	**"Tribal Utility Management Structures and SCADA 101and Electrical Safety 101"**

	Day 1 - October 23, 2018 – Agenda Topics	
8:00 am to 4:30 pm	Introductions – Tom Crawford, NAWA Agenda Tribal Utility Management: • Quality Tribal Utility Program Development • Knowing and using resources • Ordinances • Operations – Knowing what our operators do? • Financial Management Issues • Emergency Response Plan? Do we have one? Total Coliform Rule Revisions: • What you need to know? • When does it take effect? • What ongoing training is required or available? • Do you have an effective documentation and follow-up program? Public Education: • Tribal Councils – understanding before they will support? • Water users – shift liability by providing information and requirements that you have and or required to meet. (SDWA) Adjourn	Instructor(s) Tom Crawford, NAWA Joe Hurley, Woodard & Curran

| 8:00 am - 4:30 pm | **" SCADA 101 and Electrical Safety 101"** | Instructor |
| | | Joe Hurley, Woodard & Curran |

" SCADA 101 and Electrical Safety 101"

Day 2 – October 24, 2018 - Agenda Topics

Scada: The major components?

- What is SCADA
- Computer Hardware
- Networks
- The Cloud
- Cyber Security
- Do Forms
- Remote Access
- Alarming Software
- HMI options
- Trending
- OIT's

Automated Reporting Options

- o XL Reporter

Communications Options

- o Radio
- o Path Study
- o Mission
- o Raco
- o Wireless Ethernet

Under the Hood?

PLC Considerations

- o Makes and Models
- o Life Cycle
- o Upgrades
- o PLC Lingo
- o Ladder Logic
- o Troubleshooting

Desired Level of Control

- o Acknowledge Alarms
- o Recovery Options
- o Level Measurement Options

Adjourn

| 8:00 am – 12:00 pm | **"SCADA 101 and Electrical Safety 101"**

Day 3 – October 25, 2018 – Agenda Topics

Scada: Bringing it Together
• Electrical safety 101
• Programming
    o OIT sample programming
    o HMI sample programming
    o HMI Screens | High Performance | Fluid HMI
    o PLC sample programming
Scada: Continued
    o PLC sample programming
    o Lift Station Programming
    o Electrical trouble shooting
• Questions

Adjourn | Instructor

Joe Hurley, Woodard & Curran |