



NEW MEXICO WATER UTILITIES NEWSLETTER

PUBLISHED FOR THE OPERATORS OF NEW MEXICO

FALL 2011

UOCP OPERATOR LOOKUP OVERVIEW

The UOCP Operator Lookup application can be used to examine an operator's current program status, certification, accrued training credits, as well as examination sessions applied for and past examination results. The application now provides an alternative to notifying the UOCP of address or phone number changes and aids in tracking operator systems of employment. The application has been enhanced to allow operators to update their contact and employer information filed with the UOCP as part of their participation in the program.

In order to address security issued with allowing operators to update sensitive information, operators who wish to use this application will be required to register with the NMED Secure Extranet Portal (SEP). Registration will require that an email address be filed with NMED. Email addresses registered with NMED are kept securely and not used for any other purposes other than granting access to NMED public facing applications.

Secure Extranet Portal (SEP)

The SEP login screen is pictured below.

To register with SEP, the operator will click on the **Register** link in the orange bar running the width of the page, or the link at the bottom that reads 'Click here to register for an NMED application.'. The SEP registration page is then displayed.

The operator will enter a valid email address, confirmation, and the code displayed and click the Submit button. An email will be sent to the email address entered with a link to the following page.

The operator completes this form and clicks on the **Create User Profile** button. A page listing available applications to register for is displayed. The operator clicks on the register link next to the UOCP Operator lookup. An administrator for the application receives and email of the operator's request and approves the registration. An email is sent back to the operator with a temporary password with which to login to SEP. After logging in, the operator must create a new permanent password to use from that point on. Registration is now complete and the operator can click on the UOCP link to access the application.

UOCP Operator Lookup Application

The application is designed to retrieve the operator's information and is displayed as shown below.



This is the main page of the application where the operator can choose from several options:

- **Examination Sessions** will display another page where the operator can check the latest exam sessions for approved exam applicants and exam results.
- **ID Card and Certificate Replacement Form** displays a PDF document where the operator may request another ID card or certificate.
- **Edit** displays a page where the operator may update contact information. Only the address, city, state, ZIP code, and phone numbers may be updated (*See Editing Operator information*).
- **Employers** lists public water and wastewater systems identified as places of employment for the operator (*See Updating Employer information*).
- **Certification** lists the operator's certifications with UOCP.
- **Training Credits** lists the operator's credits toward certification renewal and total credits awarded.

Editing Operator Information

From the Operator Information page, the operator clicks the Edit link to display the edit page below.



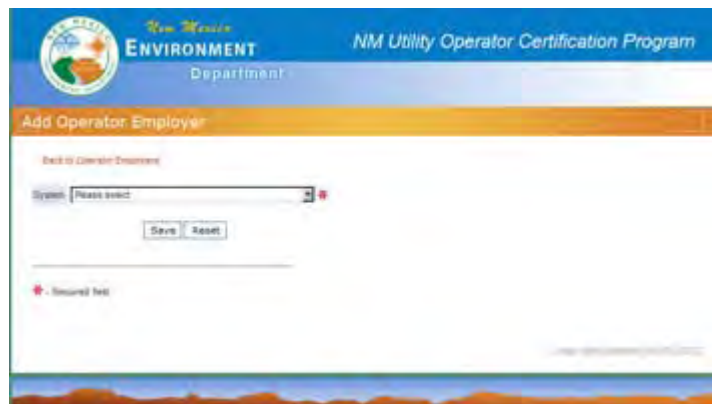
The operator may alter any of the information in fields that are boxed. Required fields are indicated by an asterik (*). When finished, the operator clicks the Save button to save the changes.

Updating Employer Information

From the Operator Information page the operator clicks the Employers link for the Operator Employers list page shown below.



To add a new employer or system to the list, the operator clicks on the Add New link and the following page is displayed.



The operator selects the new system from the drop down list and clicks the Save button. The new system will be displayed on the Operator Employers list page.

To remove an existing employer or system, the operator clicks the check box next to the system on the Operator Employers list page, and then clicks Delete selected. The operator will be prompted for confirmation of the delete. One or all systems may be removed at a time. The Operator Employer list page is re-displayed minus the systems deleted.



All changes made by the operator are pushed to the UOCP main database overnight and operator information is refreshed to the UOCP Operator lookup application.

Logging Out of the UOCP Operator Lookup

When finished examining and or updating operator information, the operator clicks Log out on any of the list pages, then clicks on Logout on the SEP page.

Location of collection:

The sample should be collected by a commonly used tap served by cement-asbestos piping and under conditions where asbestos contamination is most likely to occur. Within distribution, this is determined by the operators mapping and or history as to where the asbestos cement piping is being used. This location should be approved by NMED-DWB as part of the sample site plan.

Sample Bottles, Collection, Preservation and Paperwork:

Contact the laboratory to have them ship the proper sample container to the collector. The tap that is chosen should be removed of all hoses and fittings. The faucet should be opened up and allowed to run for a sufficiently long period to assure proper flush and ensure fresh water supply. A good indicator of fresh water supply is to feel the water when the faucet is first turned on and feel for a temperature change. If possible, samples should not be collected from any hydrants or faucets on a dead end line in distribution.

As a contamination precaution, each bottle may be rinsed with the source water that is being tested before the final collection is made. There should be an air gap left at the top of the sample to allow proper mixing before analyzing. No preservative should be added to the sample itself; however the sample must be placed in an ice bath immediately following the collection and kept at about 5 degrees Celsius in the dark until it is received by the laboratory. Do not freeze the water sample.

The analytical request form (chain of custody) should be filled out correctly with the water system and facility identification numbers, date and time of collection, and the collector's signature.

Shipping samples to the lab:

Samples must be shipped as soon as possible and received at lab within 48 hours of collection. The sample should arrive at about 5 degrees Celsius. It is recommended that wet ice (ice made from water) be used rather blue ice packs (gel that is frozen in a plastic container) because wet ice will reduce the temperature of the sample and gel packs will not. **Frozen water samples are not accepted.**

The sample containers should be properly secured with bubble wrap or some packaging within the cooler to avoid thrashing and breaking of sample containers. The cooler should be sealed and taped with initials to prevent tampering of samples during shipment. A copy of the analytical request form should be made for water system records and sample tracking. Water systems are expected to pay for shipping their own asbestos samples to the lab.

Labs on contract with DWB for asbestos analysis in 2011 are Hall Environmental Analysis, Underwriters, and Xenco. Current lab contact information is posted on the Drinking Water Bureau website at <http://www.nmenv.state.nm.us/dwb/sampling/certifiedlabs.htm>



DRINKING WATER QUALITY SAMPLE COLLECTION FOR ASBESTOS

What types of systems are required to collect asbestos samples?

Community and Non-Transient Non-Community water systems are required to collect for asbestos when

the water system is known to use asbestos-cement piping as a distribution or service line or if there is a potential for asbestos contamination of the water source.



SUSANA MARTINEZ
GOVERNOR

JOHN A. SANCHEZ
LIEUTENANT GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT
SURFACE WATER QUALITY BUREAU
Utility Operator Certification Program

Harold Runnels Building, N2050
1190 S. St. Francis Drive, (87505)

P.O. Box 5469, Santa Fe, New Mexico USA (87502-5469)
Telephone (505) 827-2804 Fax (505) 827-0160
FedEx (87505)

www.nmenv.state.nm.us/swqb/uocp



DAVE MARTIN
CABINET SECRETARY

BUTCH TONGATE
ACTING DEPUTY SECRETARY

2012 UTILITY OPERATOR CERTIFICATION EXAMINATION SCHEDULE

This is the projected operator certification exam schedule for 2012. Any additions or changes to this schedule will be published in appropriate newsletters. Address any questions, comments, or requests for information regarding the certification process, to the **NM Utility Operator Certification Program**. Our phone number is **(505) 827-2804**. Our mailing address is:

NM UTILITY OPERATOR CERTIFICATION PROGRAM
NMED – Surface Water Quality Bureau
PO Box 5469 1190 S. St. Frances Drive
Santa Fe, New Mexico USA 87502-5469

Please be sure to request a current application form (look for the 10/08/2008 on the bottom of the application) from the NM Utility Operator Certification Program. Applications should be submitted to the Utility Operator Certification Program as soon as possible, but they *must be postmarked at least 30 days prior to the examination date. All applications for examination received in 2012 must be accompanied by the payment of the examination fee by check or money order. New application forms dated 10/08/2008 contain this instruction.*

Application Deadline	Exam Date	City	Location / Address
12/28/11	01/27/12	Las Cruces	Hotel Encanto – 705 S. Telshor Blvd.
02/08/12	03/09/12	Farmington	McGee Park – 41 Cr 5598, Building #1
03/07/12	04/05/12	Albuquerque	Hotel Albuquerque – 800 Rio Grande Blvd. SE
04/18/12	05/18/12	Española	OHKAY Casino & Resort – Taos Highway
05/16/12	06/15/12	Ruidoso	Inn of the Mountain Gods – 287 Carrizozo Canyon
07/05/12	08/03/12	Roswell	ENMU Occupational Tech Center – 20 Mathis Street
08/15/12	09/14/12	Albuquerque	UNM Continuing Ed. Bldg. – 1634 University Dr. NE
09/05/12	10/05/12	Las Cruces	Hotel Encanto – 705 S. Telshor Blvd.
10/10/12	11/09/12	Albuquerque	UNM Continuing Ed. Bldg. – 1634 University Dr. NE

TEST DATES, LOCATIONS AND FEES ARE SUBJECT TO CHANGE.

TRAINING EVENTS LISTED ONLINE AT:

- www.nmenv.state.nm.us/swqb/UOCP
- www.nmrwa.org; and
- <http://www.nmwwa.org/training.html>

2011 NEW MEXICO TRAINING CALENDAR 2011

NOVEMBER

NMRWA TRAINING – CERTIFICATION EXAM REVIEW

TOPICS: concurrent training
tracks - basic water,
advanced water, wastewater
operations, utility
management
Day One: Sampler
Technician Training;
Advanced Water Systems;
Wastewater Systems,
Utility Management

Day Two: Basic Water Systems (no advanced water);
Wastewater Systems, Utility Management

Day Three: Basic Water Systems; Advanced Water
Systems; Wastewater Systems, Utility Management;

DATES: November 1-3, 2011; Tuesday - Thursday

TIMES: 8 am to 5 pm each day

LOCATION: Cimmaron, Philmont Scout Ranch Training Ctr

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

REGISTRATION: 3 day price: \$300/member, \$375/non-
member; Per day price: \$100/member, \$125/non-
member. **Pre-registration required.**

ON-LINE REGISTRATION: www.nmrwa.org/training.php

NMED EXAM: November 4, 8 to 2:30.

Submit your test application by October^{4th} at the latest.

NEWSLETTER DIRECTORY OF CONTACTS

Gott Consulting Services

Nancy Gott, Editor
41 Calle Peligroso
Santa Fe, NM 87505

505-466-8813
FAX 505-466-8813
wutap.gcs@qwestoffice.net

NM Environment Department, Certification

& Training Office,
NM Utility Operator Certification Advisory Board
Mike Coffman
P.O. Box 5469
Santa Fe, NM 87502
www.nmenv.state.nm.us/swqb/UOCP/index.html

505-222-9575
FAX 505-827-0160

NMRWA TRAINING – OPTIMIZING DISINFECTION & DISTRIBUTION SYSTEM MANAGEMENT

TOPICS: *Day One.*

Groundwater Hydrology
& Wells; Disinfection; 5
Steps of Analysis; Intro
to Instruments/ Chlorine
Test.; Colorimetry; Total
Chlorine Lab Analysis
Day Two. Stage 1 & 2 D/
DBP Rules; Distribution
System Vulnerabilities &

Monitoring; Chloramination Theory; Nitrogen, Ammonia,
Chloramine Analyses

Day Three. TOC Theory & Analysis; Predicting DBP
Formation; DBP Lab/Demo; Managing for DBP
Reduction; Pressure, Head & Headloss; Pumps,
Motors & Power

DATES: December 6-8, 2011, Tuesday - Thursday

TIMES: 7:45 AM to 5 PM each day

LOCATION: Bloomfield; Bloomfield Cultural Center,
333 South First St.

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

REGISTRATION: 3 day price: \$350/member, \$450/non-
member; Per day price: \$125/member, \$150/non-
member.. **Pre-registration required**

CONTACT: 1-800-819-9893 or call Peter Nathanson at
575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

DECEMBER

NMED SWQB / DWB TRAINING –WATER SAMPLING TRAINING

TOPICS: Intro to Drinking Water Sampling; SDWA Review;
Microbiological, Organic, Inorganic, & Radiological Sam-
pling; Filling Out the Forms; NPDES Permit Information;
Operator Certification Information

DATES: December 1, 2011 Thursday

TIMES: 8:30 am to 4:00 pm

LOCATION: Las Cruces, NMSU campus, Administrative
Conference Room, 3400 S. Espina

CREDITS: 7 hours

REGISTRATION: \$30, Pre-registration required, *Fees paid by
Check or Money Order ONLY and due at time of
training. Make checks payable to NMED UOC
Program.*

CONTACT: Violet Miera, 505-827-2804; [http://
www.nmenv.state.nm.us/swqb/UOCP/Training/Events/
index.html](http://www.nmenv.state.nm.us/swqb/UOCP/Training/Events/index.html)

NMRWA TRAINING

– WATER SYSTEM SAMPLER & WASTEWATER OPERATIONS

TOPICS: *Day One.* Operator Certification Facts; Intro to
Sampling; SDWA Regs; Microbiological Sampling; Measur-
ing Cl₂ residual; Organic, Inorganic, and Radiological
Sampling; Laboratory & Chain-of-Custody Forms

Day Two. WW Characteristics; Overview of WW Treatment;
Pre-treatment; Primary Treatment; Ponds; Trickling Filters

Day Three. Activated Sludge; Tour of Tatum WWTP

DATES: December 13-15, 2011, Tuesday - Thursday

TIMES: 7:45 AM to 5 PM each day

LOCATION: Tatum; Tatum Convention Center,
Liberty Rm; 1500 West Historic Route 66

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

REGISTRATION: 3 day price: \$200/member, \$345 non-
member; Per day price: \$55/member, \$115/non-
member. **Pre-registration required**

CONTACT: 1-800-819-9893 or call Peter Nathanson at
575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

**See Pages 10 & 11 for Job
Opportunities**

2012

2012 NEW MEXICO TRAINING CALENDAR 2012

JANUARY

NMWWA 57TH ANNUAL SCHOOL

TOPICS: This general water & wastewater operations workshop is for both basic and advanced, Levels 1-4. Includes special workshops.

DATES: January 23-26, 2012; Monday through Thursday

TIMES: 8 to 5 each day

LOCATION: Las Cruces, Hotel Encanto de Las Cruces, 705 Telshor Blvd.

CREDITS: 26 hours

REGISTRATION: \$250 for members, \$300 for non-members.
Advance registration is required for all classes.

CONTACT: NMWWA, Caroline Martinez, 505-753-8840,
FAX 505-753-9810; csmartinez@windstream.net

ON-LINE REGISTRATION FORM: www.nmwwa.org

NMED EXAM: January 27, 8 to 2:30.

Submit your test application by Dec. 28th at the latest.

SANTA FE COMMUNITY COLLEGE WATER TREATMENT CERTIFICATE - WATR166 -MICROBIOLOGY FOR WATER TREATMENT OPERATORS



TOPICS: Provides basic understanding of microbiology as it applies to water treatment operations, including: microbiological contaminants, contaminant pathways, toxic effect as well as sampling, testing and treatment options. Instructor - TBA

DATES: 16 Monday classes beginning on January 23, 2012, and continuing until May 14, 2012

TIMES: 5:30 pm - 9:45 pm each

LOCATION: Santa Fe, 6401 Richards Ave.

CREDITS: 40 hours (4 college credits)

Please Note: You are encouraged to bring your own copy of the “NM Water Systems Operator Certification Study Manual” (*Be sure you download the 4th Edition!*), “NM Wastewater Systems Operator Certification Study Manual”, or “NM Water Sampling Certification Study Guide” to all training sessions. This allows you to keep your personal training notes, etc. in one place. All study guides are available for download from the NMED Surface Water Quality Bureau - Utility Operator Certification Program website under *UOCP Essentials*:
www.nmenv.state.nm.us/swqb/fot/index.html

REGISTRATION: \$173.20 (\$43.30 per credit) In-District; \$221.20 (\$55.30 per credit) Out-of-District. *Advance registration is required for all classes.*

CONTACT: Sustainable Technologies Program,
www.sfccnm.edu

Make sure you have the *Revised* edition of the “NM Water Systems Study Manual”. Download the entire manual or individual chapters at:

www.nmenv.state.nm.us/swqb/UOCP

Look for the “UPDATED...” link to find the 4th edition. Be sure to check out the Advanced Treatment material that has been added.

FEBRUARY

NMRWA TRAINING

– OPERATOR MATH

TOPICS: Problem set-up, equations, unit analysis; electricity & temperature; area & volume; detention time & velocity; chemical dosage & percent strength; pressure & head; head loss; pumps & power; loading & overflow rates

– SURFACE WATER TREATMENT TRAINING

TOPICS: *Day 1:* Source water characteristics; SWT overview & optimization goals; SWT rules; Ground Water Rule; Stage 1 & 2 DBP rules; managing for DBP reduction; CT Calculations
Day 2: Jar test theory & application; jar test demo, hands-on, and analysis of results;

DATES: February 8-10, 2012, Wednesday - Friday

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

TIMES: 8 am to 5 pm each day

LOCATION: Bloomfield; Bloomfield Cultural Center, 333 South First St.

REGISTRATION: (Early Bird Pricing) 3 day price: \$275/ member, \$420/non-member; Per day price: \$100/ member, \$140/non-member. *Pre-registration required.*

CONTACT: 1-800-819-9893 or call Peter Nathanson at 575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

2012 NEW MEXICO TRAINING CALENDAR 2012

SANTA FE COMMUNITY COLLEGE
WATER TREATMENT CERTIFICATE -
WATR111 -INTRODUCTION TO



MARCH

WATER TREATMENT & DISTRIBUTION SYSTEMS

TOPICS: Safe Drinking Water Act, water sampling certification, disinfection, distribution systems, pumps and motors, groundwater characteristics, wells, basic surface water, safety and other topics from the New Mexico Water Systems Operator Certification Study Guide. Students must also take the NM Water Sampling Certification Exam; Instructor - Robert Gott

DATES: 2 Fridays - February 17 & February 24, 2012

TIMES: 8:00 am - 5:00 pm each day

LOCATION: Santa Fe, 6401 Richards Ave.

CREDITS: 20 hours (2 college credits)

REGISTRATION: \$86.60 (\$43.30 per credit) In-District; \$110.60 (\$55.30 per credit) Out-of-District. Additional fees - \$25 for Water Sampling Certification Exam. **Advance registration is required for all classes.**

CONTACT: Sustainable Technologies Program,
www.sfccnm.edu

NMRWA TRAINING

– WATER SYSTEM SAMPLER & WASTEWATER OPERATIONS

TOPICS: *Day One.* Operator Certification Facts; Intro to Sampling; SDWA Regs; Microbiological Sampling; Measuring Cl₂ residual; Organic, Inorganic, and Radiological Sampling; Laboratory & Chain-of-Custody Forms
Day Two. WW Characteristics; Overview of WW Treatment; NPDES, Certification, Analyses; Preliminary Treatment; Primary Treatment; On-Site Treatment; Ponds
Day Three. Trickling Filters; Collection Systems; Wastewater Math

DATES: February 21-23, 2012, Tuesday - Thursday

TIMES: 7:45 AM to 5 PM each day

LOCATION: Silver City; City Hall Annex Upstairs Conference Rm; 1203 N Hudson St.

REGISTRATION: (Early Bird Pricing) 3 day price: \$200 member, \$345 non-member; Per day price: \$75 member, \$115 non-member. **Pre-registration required.**

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

CONTACT: 1-800-819-9893 or call Peter Nathanson at 575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

NMRWA TRAINING

– WATER SYSTEM SAMPLER & WASTEWATER OPERATIONS

TOPICS: *Day One.* Operator Certification Facts; Intro to Sampling; SDWA Regs; Microbiological Sampling; Measuring Cl₂ residual; Organic, Inorganic, and Radiological Sampling; Laboratory & Chain-of-Custody Forms
Day Two. WW Characteristics; Overview of WW Treatment; NPDES, Certification, Analyses; Preliminary Treatment; Primary Treatment; On-Site Treatment; Ponds
Day Three. Trickling Filters; Collection Systems; Tour of Artesia WWTP

DATES: March 6-8, 2012, Tuesday - Thursday

TIMES: 7:45 AM to 5 PM each day

LOCATION: Artesia; Artesia WWTP; 1702 N Haldeman Rd.

REGISTRATION: (Early Bird Pricing) 3 day price: \$200 member, \$345 non-member; Per day price: \$75 member, \$115 non-member. **Pre-registration required.**

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

CONTACT: 1-800-819-9893 or call Peter Nathanson at 575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

NMWWA NORTHWEST SECTION -

JOHN ALLISON MEMORIAL WORKSHOP

TOPICS: Levels 1 – 2, Basic water & wastewater

DATE: March 7-8, 2012; Wednesday & Thursday

TIMES: 8 to 5 each day

LOCATION: Farmington, McGee Park, 41 Road 5568, Bloomfield Hwy - Bldg #1

REGISTRATION: \$100, members; \$120, non-members

Advanced registration is requested

CREDITS: 13 hours

CONTACT: Cindy Huntsman, 505-334-7611

NMED EXAM: March 9, 8 to 2:30.

Submit your test application by February 9th at the latest.

NMRWA TRAINING

–WASTEWATER OPERATOR TRAINING

TOPICS: *Day One.* WW Characteristics; Overview of WW Treatment; NPDES, Certification, Analyses; Preliminary Treatment; Primary Treatment; On-Site Treatment; Ponds
Day Two. Trickling Filters; RBCs; Collection Systems; Disinfection/Dechlorination
Day Three. Activated Sludge; Wastewater Math

DATES: March 20-22, 2012, Tuesday - Thursday

TIMES: 7:45 AM to 5 PM each day

LOCATION: Santa Fe; National Park Service Office Great Room; 1100 Old Santa Fe Trail

2012
Utility Operator Certification
Examination Schedule
on Page 4

2012 NEW MEXICO TRAINING CALENDAR 2012

REGISTRATION: (Early Bird Pricing) 3 day price: \$200 member, \$345 non-member; Per day price: \$75 member, \$115 non-member. **Pre-registration required.**

CREDITS: 7.5 hours per day; 22.5 hours for 3 days

CONTACT: 1-800-819-9893 or call Peter Nathanson at 575-405-0972 with questions

ON-LINE REGISTRATION: www.nmrwa.org/training.php

ON-GOING TRAINING

DONA ANA COMMUNITY COLLEGE WATER TECHNOLOGY PROGRAM

DATES: Ongoing classes each semester

LOCATION: Las Cruces, 3400 South Espina St.

CONTACT: Terry Mount, 505-527-7584 or

<http://dabcc.nmsu.edu/>



GOTT CONSULTING SERVICES

SERVICES: On-site training, troubleshooting, & technical assistance for private, municipal, industrial, and on-site wastewater and water operations; on-line and classroom instruction & course development

CONTACT: Robert & Nancy Gott 505-466-8813

e-mail: wutap.gcs@qwestoffice.net

MEC TECH SERVICES

SERVICES: On-site training, technical support, on-site laboratory services

CONTACT: Nicole Mangin, 505-459-6832; Fax 505-891-4578

www.mectechservices.com

e-mail: nicole@mectechservices.com

RAGSDALE & ASSOCIATES TRAINING SPECIALISTS, LLC

SERVICES: on-site training, plant start-ups, O&M troubleshooting, technical assistance

CONTACT: Fred Ragsdale, 505-293-4658;

e-mail: fredragsdale@comcast.net

ROCKY MOUNTAIN WATER ENVIRONMENT ASSOCIATION (RMWEA)

DATES: Over 40 wastewater & water training courses

LOCATION: anywhere with an internet connection

CONTACT: www.rmwea.org & click on Online Training

NM MEMBERSHIP INVOLVEMENT COMMITTEE

ROCKY MOUNTAIN SECTION AWWA/WEA

DATES: 4th Thursday of each month

TIMES: 11:30 AM to 1 PM

LOCATION: Golden Corral, 3401 NM Hwy 528

CONTACT: Kathy Fitch, 505-243-3200

WATER TREATMENT OPERATOR CERTIFICATE



NOW AVAILABLE AT SFCC

Santa Fe Community College is pleased to announce classes for the Water Treatment Operation Certificate Program. The program is offered periodically, so you will want to take advantage the courses available next semester – WATR 111 & WATR 166. You will find details in the Training Calendar. Part of the 25 credit hour core elements of the Water Treatment Operation Certificate.

- WATR 111 Intro to Water Treatment & Distribution Systems 2 credit hours
- WATR 112 Applied Math for Water Operators 4 credit hours
- WATR 160 Applied Chemistry for Water Treatment Operators 4 credit hours
- WATR 166 Microbiology for Water Treatment Operators 4 credit hours
- WATR 215 Permits, Regulations & Water Resource Mngmt 3 credit hours
- WATR 260 Advanced Water Treatment Technologies 4 credit hours
- WATR 290 Water Operator Certification Review 3 credit hours
- WATR 299 Cooperative Education 3 credit hours

For the first time, the water treatment classes will be held in the college's new Trades & Advanced Technology Center, a state-of-the art facility that is LEED (Leaders in Energy and Environmental Design) registered. The building's energy efficient features include rainwater catchment, rooftop water collectors, waste water recycling, a 17,000-gallon hot water tank, a hot water chiller, grey water storage for irrigation and an "adsorber" that converts solar energy into chilled water as well as solar thermal panels, solar heat collectors and 96% LED lighting. In addition to water treatment, the School of Trades and Technology offers courses and programs in Biofuels, Emerging Technologies & Contract Training, Green Building Trades (construction, electrical, energy efficiency, weatherization), Mechanical Trades (HVAC/plumbing), Solar, and Welding.

For more information about the Water Treatment Operation certificate courses, please contact SFCC's Dean of Economic and Workforce Development and Director of the Sustainable Technologies Center Randy Grissom at 505-428-1641 or randy.grissom@sfcc.edu. Registration for Spring Semester classes begins Monday, November 14. The Spring Semester starts Monday, January 23, 2012. To register and learn more, visit www.sfcc.edu.

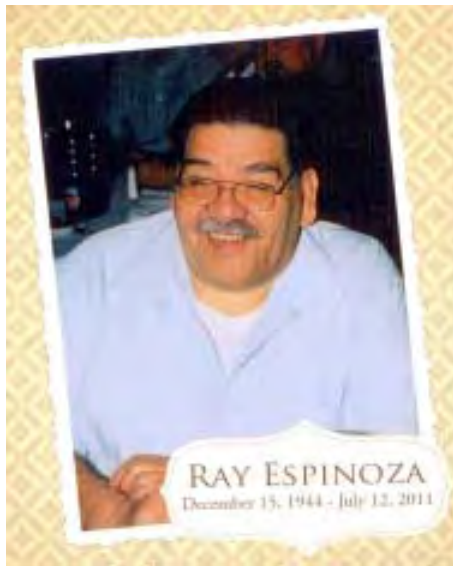
IN MEMORIAM - RAY ESPINOZA

Ray (Raymundo) Espinoza of Gallup, NM, passed away on July 12, 2011 at the age of 66. He was the Superintendent of Wastewater Facilities for the City of Gallup from 1990 until his retirement in 2006. He also served as President of the West Central Section of NM Water & Wastewater Association for 18 years.

Born in San Angelo, Texas, Ray was a Marine Corps veteran who served two tours of duty in Viet Nam. He earned many medals, including two Purple Hearts, as a helicopter door gunner. He transferred to Reserve status upon leaving active service in December 1967.

Ray & Pat Sanchez were very dedicated in arranging the annual WC Section Workshop held in Gallup all the years he served as section president. The NMWWA depended on Ray to help arrange the awards for the Annual Awards Banquet held in Las Cruces in January for 10 years. Ray was a very dependable, respected, and wise man who dedicated part of his life to the utility operators in Gallup. He was a member of the NMWWA and of the NMWWA Executive Board for 18 years and was a true friend to most of the members. He still continued to keep in touch even after retirement.

He will be remembered for his quick sense of humor and the great love he had for



his family, his friends, and his dogs. He will be greatly missed by the NM Water & Wastewater Association members.

The following is a list of his contributions to the Association:

- NMWWA member & West Central Section President - 18 years (1991-2009)
- NMWWA State President - 2001
- NMWWA John Clark Award for Outstanding Service to NMWWA—2002
- NMWWA Awards Committee Chairman - 10 years (1992-2002)
- NMWWA Good Housekeeping Committee Chairman - 3 years



**New Mexico
Water & Wastewater
Association**

PRESIDENT'S CORNER

*Cindy Huntsman
President*

This year is flying by, as they all seem to do anymore. We are gearing up for our 2012 Annual Short School in Las Cruces on January 23-26, and as always Caroline is right on top of it.

We have lost a couple of good operators and great friends this year in on-the-job accidents, Frank Romero and Gene Hern. I would like to send out our thoughts and prayers to their families. We all need to be very careful as we work each day and let others know if we see them in a dangerous situation.

It is vital that we practice safety in our jobs and at home. We would also like to offer our sympathy to the family of Ray Espinoza of Gallup who died in July. He was very involved with the WC Section & the State for over 20 years.

I would like to thank all of the section officers for their help in keeping this Organization as active as it is, and would like to invite the rest of you to take an active part continuing to make it all work. Everyone has something that they could share, either in the

NMWWA MONTHLY SECTION MEETINGS

- Southeast Section
 - ⊕ 1st Wednesday, rotating
 - ☎ Debbie Lopez, 575-624-6752
- Southwest Section
 - ⊕ 3rd Wednesday, rotating
 - ☎ Raymond Parson, 575-644-9874
- West Central Section
 - ⊕ 4th Wednesday, Gallup
 - ☎ Edward Salazar, 505-287-2908
- Central Section
 - ⊕ 2nd Tuesday, rotating
 - ☎ Ray Dimas, 505-277-1146
- Northeast Section
 - ⊕ 2nd Tuesday, rotating
 - ☎ Jake Martinez, 505-753-9606
- Northwest Section
 - ⊕ 1st Thursday, rotating
 - ☎ Cindy Huntsman, 505-334-7614

**Please share this
newsletter.**

**Did all the operators at
your plant get a copy?
Thanks for your help!**

section level or the State. Get out there and help by offering to serve as an officer or an instructor

It will soon be time for election of officers, and if you are interested in serving contact Caroline. Remember, this is your Association and in order for it to continue we all need to participate. It is also time to nominate either operators or facilities for the different awards. For a listing of the NMWWA Awards, go to our web site www.nmwwa.org and click on Awards or contact Caroline.



Job Title: Environmental Operations Manager
Department: EHS Director
Reports To: Process Engineer & Environmental Manager
Send Applications To: 575-742-9230
Southwest Cheese
Ernest Loveless, HR Generalist
P.O. Box 1509
Clovis, NM 88102

Summary

This position is responsible for the management of operational environmental issues. This position includes the successful management of environmental compliance and regulatory relationships, along with the direct oversight of a wastewater treatment facility by performing the following duties.

Essential Duties and Responsibilities

include the following. Other duties may be assigned.

1. Provide information for environmental permitting and licensing for ongoing plant operations. Provide information for approval process for amending and generating new permits.
2. Establish strong relationships with local, state and federal regulatory officials.
3. Oversee all wastewater treatment operations to include collection and analysis of effluent discharge, incoming water, air emissions and utilities on site. Maintain working relationship with external water provider.
4. Prepare weekly KPI reports for use by senior management.
5. Manage the SWC land area outside the plant to include routine and emergency waste water application, optimize the use of well water, crop rotation and land lease agreements.
6. Identify and prioritize waste improvement opportunities, help identify root cause and ensure that permanent fixes are put in place.
7. Coordinates waste reduction projects including any trial activity between all functional areas (production, maintenance, quality, materials and planning, etc)
8. Reviews production and operating performance reports, and participate in daily production meetings to ensure that improvement opportunities are identified and prioritized.
9. Ensures safety within day to day operations. Include a safety review as part of every project.

Supervisory Responsibilities

Directly supervises employees dealing with environmental issues. Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws. Responsibilities include interviewing, hiring, and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.

Physical Demands

- Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- Must occasionally lift and/or move up to 40 pounds.
- Specific vision abilities required by this job include close vision, distance vision, depth perception and ability to adjust focus.
- The noise level in the work environment is usually very loud. Protective gear is required.

Competencies

To perform the job successfully, an individual should demonstrate the following competencies:

- Analytical
- Problem Solving
- Project Management
- Technical Skills
- Customer Service
- Interpersonal Skills
- Oral Communication
- Managing People
- Quality Management
- Cost Consciousness
- Diversity
- Ethics
- Strategic Thinking
- Safety and Security
- Innovation

Qualifications To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience

- Bachelor's degree in Environmental Science/Engineering or related field, or equivalent work experience.
- Minimum of 4 years of professional experience in environmental management or, utility/waste water operations.
- Work experience in Safety at a plant level.
- Prior cheese, whey or dairy production experience essential.
- Prior experience with local, state and federal regulatory agencies in regards to environmental compliance, negotiating permit modifications/renewal is highly desired.
- NM Water License 3 and Wastewater License 3.

Language Skills

- o read, analyze, and interpret periodicals, professional journals, technical procedures, & government regulations.
- o write reports, business correspondence, & procedure manuals.
- o effectively present information & respond to questions from groups of managers, clients, customers, & the general public.

Mathematical Skills

- o apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations.
- o apply mathematical operations to such tasks as frequency distribution, determination of test reliability & validity, analysis of variance, correlation techniques, sampling theory, & factor analysis.

Reasoning

Computer



Job Title: Certified Utility Operator

Department: Water & Sewer

Reports To: Mayor Richard R. Velarde

Contact: 575-289-3758

Village of Cuba

Vandora P. Casados, Village Clerk/Treasurer

P.O. Box 426

16B East Cordova Avenue

Cuba, NM 87013

The Village of Cuba Water and Sewer Department is currently accepting applications for a **Level III and or Level IV NM Certified Water Operator** and / **Level III and or Level IV NM Certified Waste Water Operator** to perform operation and maintenance tasks throughout all Village of Cuba facilities. Incumbents of this position focus on the advanced water and wastewater treatment operations. Certified Operator will perform repetitive duties and other job assignments required for regulatory compliance and operational efficiency. Possess a valid NM and or Commercial Drivers License and a high school diploma or equivalent. Pass a background check, drug and alcohol screening prior to employment.

- Operates all Village of Cuba facilities, including raw and finished water pumping conveyance systems; chemical fee systems, pre-treatment, advanced treatment process and residual process facilities.
- Controls and Monitors process operations by means of the Supervisory Control and data Acquisition (SCADA) system and/or control panels and meters; record readings, assist in periodic facility security and safety inspections; and other PPE requirements.
- Starts, stops and adjust equipment to control processes and adjust flows; performs process testing, interpret equipment readings and laboratory data, report findings and recommendation to Immediate Supervisor.
- Collects samples; performs laboratory tests and records results using approved laboratory methods; assists in complying with federal and state drinking water regulations. Transports and delivers all samples to Laboratories.
- Performs and documents minor preventive maintenance work orders on plant equipment and buildings; exercises and lubricates equipment; reports all maintenance recommendations to immediate supervisor. May assist maintenance in rebuilding pumps, motors and other plant equipment, as necessary.
- Tests and adjusts process equipment to optimize performance to comply with regulatory requirements.
- Performs housekeeping duties on facility work areas, process basins, pump stations, grounds equipment, etc.
- Assists in the preparation and revision of standard operating, safety and regulatory compliance procedures.
- Shall work with department workers and/or collaborate with other staff on assignments necessary to achieve the goals and objectives of the Village of Cuba organization. Reports to Mayor Richard R. Velarde on a daily basis.
- Classified as a salary employee, must be available 24/7/365, reports to all emergencies. Annual Salary \$49,108.80. Company Vehicle provided. Required to live within Cuba.
- Knowledge of U.S.E.P.A and NMED monthly monitoring reports; basic math, water testing procedures, water treatment methods and quality regulations; Require basic skills in recordkeeping, oral and written communication, problem solving, decision-making, developing and maintaining business relationships. Must be able to read, comprehend and interpret technical information; keep accurate record; organize time and work to efficiently and effectively accomplish goals; to learn occupational hazards; operate powered and manual equipment, machinery and tools used in water and wastewater plant operations.
- Work is performed inside and outside, sometimes in inclement weather, confined spaces. Requires exposure to loud noises, chemicals (including chlorine), toxic gases and fumes, germs, bacteria, and allergens. Oversees all Public Works operations; but not limited to; Streets and Maintenance with staff on assignments; fire hydrant operations, maintenance and quarterly inspections.
- Employer Insurance Benefits Contributions is 80%, Employee Contributions is 20%. P.E.R.A Plan 2