

Water Quality Division

Drinking Water Programs Unit

Operator Certification

- Program Contacts/List Serve
- Becoming Certified/Exam Details
- Registration/Exam Preparation
- Exam Day/Scores/Certificates
- Professional Development Hours/Renewal
- Reciprocity/Veterans/Jobs
- Fees-(Spoiler Alert! Implementation July 1, 2016)

GOING TO COVER

Air Quality

Waste Programs

Water Quality





Our mission is to protect and enhance public health and the environment

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Home

About Us

ADEQ Job Openings

Assistance

Complaint

Compliance

Databases

Education & Outreach

Laws, Rules & Policies

Newsroom

Permits

Procurement

Programs

Public Notices & Hearings

Publications & Forms

QuickPay



October is Children's Health Month

View daily tips and activities on how to reduce children's exposure to environmental health hazards. Protect children's health by participating in one or more of the daily activities.

Press Releases

What's New

Agency Topics

Air Topics

Waste Topics

Water Topics

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Press Releases

10/14/14: ADEQ's Malone, Zendri Write Articles in ASU's Law J Assist Buyers and Sellers in Land Transactions.

10/7/14: ADEQ Announces First Free Electronic Waste Recyclin for Navajo Capitol of Window Rock on Oct. 25

10/7/14: ADEQ Awards \$54,902 Brownfields Grant to City of Flands
Asbestos Abatement at Former Midgley's Market Building

10/2/14: Former Douglas Gas Station Owner Ordered to Pay \$45,000 Civil Penalty for Underground Storage Tank Violations



Waste Programs

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Home

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Assistance

Complaint

Compliance

Databases

Education & Outreach

Laws, Rules & Policies

Newsroom

Permits

Procurement

Programs

Public Notices & Hearings

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Water Quality Division: Safe Drinking Water: Operator Certification

Air Quality

ADEQ's Operator Certification Program establishes quidelines to ensure that only certified operators make decisions about process control or system integrity health. The program establishes minimum standards for certification and recertification of the operators of drinking water and wastewater systems.

- Arizona Administrative Code, Title 18, Chapter 5, Article 1 ♦ Rule for the Operator Certification Program
- Arizona Administrative Code, Title 18, Chapter 9, Article 1 ♦ Rule for Water Pollution Control
- · ADEQ's Unofficial Combined State & Federal Drinking Water Rules

Operator certifications are classified into one of four grades by facility type, size, complexity and population served. The grade corresponds with the level of systems of the contract of th Grade 1 being the most simple and Grade 4 being the most complex. Operators are required to maintain their certification through participation in continuing processing the most simple and Grade 4 being the most complex. workshops and must be re-certified every three years.

For more information, forms and document submission please contact ADEQ's Operator Certification Section

- . Drinking Water Monitoring and Protection Unit Contact Information
- · Frequently Asked Questions about the Operator Certification Program

Operator Certification Fee Proposal

ADEQ seeks to establish new and reasonable fees for the certification of water and wastewater operators. ADEQ's proposed fees are directly related to the lev the department to administer the operator certification program. The revenue from these fees will be deposited in the State General Fund. The proposed fees are \$150 per certificate renewal and \$50 for each additional renewal if expiration date is the same; \$150 per early exam request review and \$250 per reciprocity red

Failure to establish new fees for the ADEQ State Drinking Water (SDW) program could negatively impact ADEQ's ability to implement the Safe Drinking Water potentially impact the quality and safety of Arizona's drinking water systems. Furthermore, ADEQ's delegated authority could be lost and oversight of the drink revert to the U.S. EPA.

To receive continued fee rule updates please subscribe to the drinking water/wastewater operator certification list serve.

Operator Certification Workshops

The Operator Certification Program hosts workshops throughout the year which are free to attend. All operators, stakeholders and community members are we participate. PDHs will be awarded at all workshops.

- TALY GILAMA
- Phone Number: 602-771-4695
- Email: tgg@azdeq.gov

OPERATOR CERTIFICATION

- NOAH ADAMS
- Phone Number: 602-771-4511
- Email: nra@azdeq.gov

OPERATOR CERTIFICATION

- Subscribe to the ADEQ Drinking Water/Wastewater
 Operator Certification List Serve
 https://public.govdelivery.com/accounts/AZDEQ/subscrib
 er/new
- Click the Subscribe To ADEQ Topics on the right side of the ADEQ Homepage.
- Enter your email address.
- Select Drinking Water/Wastewater Operator Certification.

ADEQ LIST SERVE

Contact





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Search

Home

About Us

ADEQ Job Openings

Assistance

Complaint

Compliance

Databases

Education & Outreach

Laws, Rules & Policies

Newsroom

Permits

Procurement

Programs

Public Notices & Hearings

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Email Updates

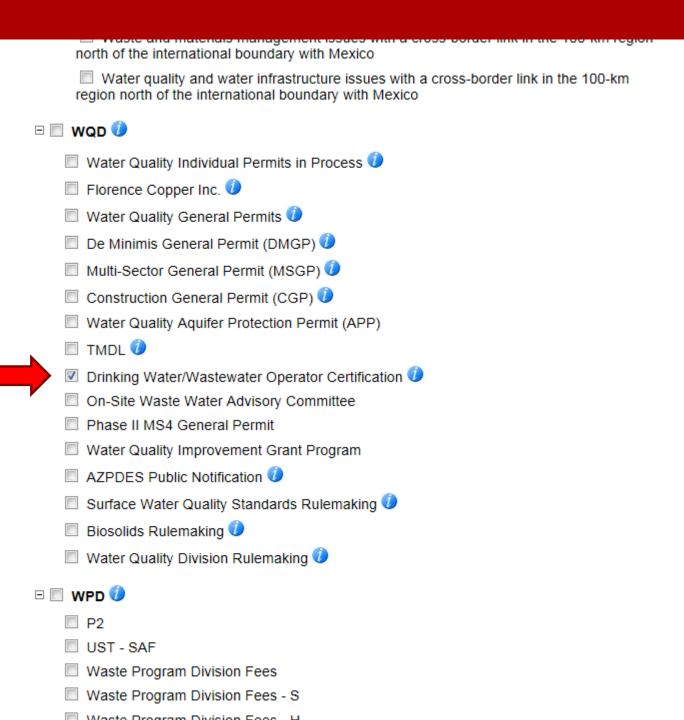
Sign up below to receive updates from ADEQ on various topics. You will have the flexibility to choose as many topics as you want. ADEQ offers updates on: programmatic topics (Water Quality, Air Quality, Waste Programs), meeting notices, public hearings, requests for public participation, among other updates. You can choose to modify your preferences on the following page.

Please select a subscription type (email or SMS/Text Message) and enter your contact information. You will be prompted to confirm your contact information and preferences on the next page.

Subscription Type	Email	•	
*Email Address			

Save

Cancel



Primary Email Address

You must enter a primary email address. You will use this to access and update your subscriptions or modify your subscriber preferences.

*Email Address	noah@gmail.com
*Confirm Email Address	

Email Delivery Preference

If you would like to change how subscription updates are delivered to you, select an option below.

- Send updates immediately by email
- Send updates daily by email
- Send updates weekly by email

Certain high priority updates may be sent regardless of your delivery preferences.

Optional Password

Enter an optional password to add password protection to your subscriber preferences.

Password	
Confirm Password	

- "Certified operator" or "operator" means an individual who holds a current certificate issued by the Department in the field of water or wastewater treatment, water distribution, or wastewater collection.
- A facility owner shall ensure that at all times:
 - The names of <u>all</u> current operators are on file with the Department.
 - R18-5-104A6
- How about add the ADEQ Update form to your Hire/Fire Process!

WHO IS AN OPERATOR

- All Water and Wastewater Facilities shall have an operator in direct responsible charge who is certified for the class of the facility and at or above the grade of the facility.
- Grade 3 & 4 Facilities shall have an onsite operator.
- Grade 1 & 2 Facilities shall have an onsite representative.
- Grade 1 distribution serving less than 100 do not need an onsite representative.

WHO MUST BE CERTIFIED

- To sit for a Grade 1 exam you must have a High School diploma or GED.
- No work experience at a Water or Wastewater facility is required to sit for an operator certification exam in Arizona.
- To start testing at Grade 2 or higher contact the Operator Certification Program. Qualifying Education & Work Experience is required.

BECOMING A CERTIFIED OPERATOR

- GateWay is the contracted state-wide proctor of the ABC Operator Certification exams in Arizona.
- https://sites.google.com/a/maricopa.edu/adeq-operator-certification/home

Email: operatorcert@gatewaycc.edu

• Phone: 602-286-8105

OPERATOR CERTIFICATION TESTING

- The exam is a multiple choice 100 question exam which you have three hours to complete.
- Only one exam may be taken in a three hour period.
- You will be provided with an equation sheet.
- You can bring a non-programmable calculator.
- You must earn a grade of 70% or higher to successfully pass the exam.

EXAM DETAILS

- Not water sampling certificate, or water 1, or operator 1 exam.
- Water Distribution (D) Grade 1, 2, 3, 4
- Water Treatment (T) Grade 1, 2, 3, 4
- Wastewater Treatment (W) Grade 1, 2, 3, 4
- Wastewater Collections (C) Grade 1, 2, 3, 4

WHICH EXAM

- In accordance with this position, the incumbent must be licensed in compliance with state and/or federal requirements.
- Applicants must have a Grade 2 in Water Treatment,
 Water Distribution, Wastewater Treatment and a Grade 1 in Wastewater Collections.

JOB POSTINGS

- Know your deadline.
- Know the Range of Knowledge for your exam.
 http://www.abccert.org/testing_services/certification_study_resources.asp
- This range of knowledge is going to cover more than your job duties.
- Make sure you are eligible to sit for the exam.

		Calendar Sub	scribe Contact Us Help
	Air Quality Waste Programs Water Quality		
ADEQ Arizona Department of Environmental Qual	ity // A STATE OF THE STATE OF		AZZ.GOV Arizona's Official Web Site
Our mission is to protect publi-	c health and the environment	Google" Custom S	Search
Home	·-		
About Us	This database allows active operators to research the status of their c	ertificates, including expiration	dates. You may also use it to ru
ADEQ Job Openings	queries on groups of operators, sorting them by type, grade and coun Wastewater Treatment Operators located in Moha∨e County.	ty. For example, you could use	the database to find all Grade 2
Assistance	How to Use the Search		
Compliance	Utilize the "^" (caret) character, accessed by hitting SHIFT 6 on your learning. For example, using ^ACME will only return records the		
Databases	specifying ACME (without the caret) will return records that contain "A		
Education & Outreach	You only need to enter one field; leaving all fields blank will bring up t may be up to one minute long.	he entire database. Due to the	e size of the database, your wait
Laws, Rules & Policies			
Newsroom	City:		
Permits	Operator ID:		
Procurement	Name: (Firs	t, Last)	
Publications & Forms	E-mail:		
Programs	Work Phone: ((XXX) XXX-XXXX format)		
	Collection: Grade: Effective Date: (DD-MON-	YY) Expiration Date:	(DD-MON-YY)
	Distribution:	YY) Expiration Date:	(DD-MON-YY)
	Treatment: Grade: Effective Date: (DD-MON-	YY) Expiration Date:	(DD-MON-YY)
	Wastewater: ☐ Grade: ☐ Effective Date: ☐ (DD-MON-	YY) Expiration Date:	(DD-MON-YY)
	Search Clear		

For database corrections only please contact William Reed

- To take an exam in Arizona you must become a Maricopa Community College student.
- You must register for the specific class/grade/time.

EXAM REGISTRATION

New Student? Start Here

Student Tools

M.maricopa.edu















Click the link below each tool to learn more

College Specific Tools







Click the link below each tool to learn more

Technical Help

- Online chat
- Technical FAOs.
- Reset password
- Lookup/create MEID (MAW)

For technical problems Call or chat 24 x 7 x 865



1-888-994-4488

System Status

All systems functioning normally

How Do I ...?

See other FAQs (/references/faqs)

How do I log in? (/references/how-doi-loa)

See my tuition bill and due dates (/paving-college/how-pav)

Sign in to my online class (/classesdegrees/accessing-online-courses)

Find my textbooks (/studentservices/bookstore)

Use the new My, maricopa site.

(/references/using-mymaricopa-site)

Request a transcript (/studentservices/transcripts)

Check my grades (/studentservices/checking-vour-grades)

Locate a campus (/colleges/maricopacommunity-colleges-district-map)

Contact my instructor (/studentservices/contacting-vour-instructor)

Preparing (/node?gt-section tabs=0#gt-section tabs) | Classes & Degrees (/node?gt-section Paying & Finances (/node?qt-section_tabs=2#qt-section_tabs) | Student Services (/node?qt-sec Colleges (/node?qt-section_tabs=4#qt-section_tabs) | Reference (/node?qt-section_tabs=5

MOST POPULAR

- Checking your grades (/student-services/checking-your-grades)
- Transcripts (/student-services/transcripts).
- Financial Aid (/student-services/financial-aid)
- Bookstore (/student-services/bookstore)

CLICK TO VIEW ALL RESOURCES







Registration Information

Step 1: Creating a Student Account
Step 2: Enrolling for an Exam
Test Registration Confirmation
Test Payment Information
Available Test Dates: All Locations
Testing Facilities Location
How to Access Your Maricopa
Student/Email Accounts
Request for Off-Campus Testing
GateWay Contact Information

Additional Information

There are ONLY 2 ways to cancel your exam registration before the test registration closing date. The first way is: by editing your registration form. Go to your Maricopa Email account (my.maricopa.edu), find a copy of your registration for that particular test date, and click on "Edit My Response". The second way is to send an email to operatorcert@gatewaycc.edu. Phone messages will not be accepted as a way to cancel your test registration.

You can reach the GateWay Proctors

Registration Information

Welcome to the GateWay-ADEQ Operator Certification Registration Website

GateWay requires the use of a Maricopa Community College MEID, Password, Student ID number (an 8-digit number), and get admitted to the GateWay Non-Credit program. GateWay previously asked that every person needing to register for the ADEQ Operator Certification exam (any exam) obtained an account at the Maricopa Community College District. There is no need to do this step if you already have a MEID/Password because attending/have attended classes at any Maricopa Community College.

However, you will still need to apply for the Admissions to the GateWay Non-Credit program (admission is free and requires two additional short steps) even if you are already attending a credited program or you will NOT be able to open the registration forms.

Step 1: Creating a Student Account will help you to create a student account (if not already) and will provide you with a Student ID that is an 8-digit number (that starts with the number 3). This student ID number will be required later during the registration process. These set of procedures will allow you to register for your tests, cancel your registration, pay with a credit card/electronic check, use the GateWay library system, rent textbooks, and have a free email address within the Maricopa Community College System, among other services. You will only need to go through these steps once. You can click here to go to the Step 1: Creating a Student Account (you can also find this link below the Registration Information tab on this webpage left side) so you can start with the test registration process.

Things to remember when signing up for exams:

. You will need to be admitted to the CateMay Non-Credit program prior to register for test dates

Rooms SO1201/SO1231
REGISTRATION WILL CLOSE ON AUGUST 18, 2014

8/28/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON AUGUST 18, 2014

Chck <u>HERE</u> to see a list of the registration data for the month of August, 2014 (You will not be able to see all of your registration information to protect your data. It might take a couple of minutes to see the latest registration to this list).

9/9/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 1, 2014

9/10/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 1, 2014

9/11/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 1, 2014

9/23/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 15, 2014

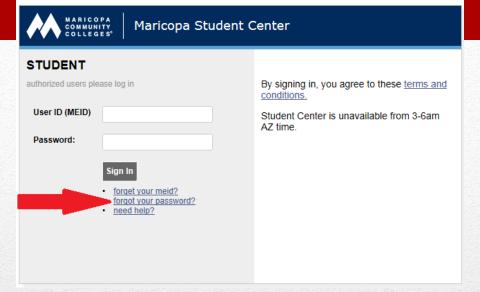
9/24/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 15, 2014

9/25/2014 - 10:00 am to 1:00 pm - GateWay Community College Rooms SO1201/SO1231 REGISTRATION WILL CLOSE ON SEPTEMBER 15, 2014

Click HERE to see a list of the registration data for the month of September 2014

8-12-2014-GATEWAY (Responses)

PAYRECPT TESTLOCAT TestDate TESTTIME Notes Fname MName NEED TO CANCEL GateWay 8/26/2014 10:00 am to 1:00 pm Distribution Grade 1 JASON THOMAS YES GateWay 8/26/2014 10:00 am to 1:00 pm Collection Grade 2 SKYLER YES GateWay 8/26/2014 10:00 am to 1:00 pm Wastewater Treatment Grade 4 MARTIN YES GateWay 8/26/2014 10:00 am to 1:00 pm Distribution Grade 4 ANDREW G YES GateWay 8/26/2014 10:00 am to 1:00 pm Distribution Grade 2 GREGORY D I NEED TO CANCEL GateWay 8/26/2014 10:00 am to 1:00 pm Wastewater Treatment Grade 1 MICHAEL TAYLOR YES GateWay 8/26/2014 10:00 am to 1:00 pm Water Treatment Grade 1 KENNETH ALAN YES GateWay 8/26/2014 10:00 am to 1:00 pm Water Treatment Grade 2 JON YES GateWay 8/26/2014 10:00 am to 1:00 pm Distribution Grade 2 COL
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YES GateWay 8/26/2014 10:00 am to 1:00 pm Distribution Grade 4 JOE ANTHON



- Your Student Account is through Maricopa Community Colleges not Gateway and not ADEQ.
- If you only use your student MEID and password once a year or so the password will expire.

PASSWORD ERRORS

- For operator certification exam 2012 Need-To-Know criteria visit
 http://www.abccert.org/testing_services/certification_stud
 y_resources.asp
- Each classification of exam has a pdf document which outlines all the topics and concepts that you must know about.

EXAM PREPARATION

ABC's 2012 New Standardized Exam Need-to-Know Criteria

Please contact the <u>certifying authority</u> for your state, province, or geopolitical region to determine which Need-to-Know Criteria to use for your examination.

Collection

Distribution

Perform Maintenance

Generators

Hvdrants

Blowers and compressors

Wastewater Treatment

Class I

N/A

Water Treatment

Core Competencies

The essential tasks and capabilities that were identified through this process are called the core competencies. The following pages list the core competencies for distribution operators. The core competencies are clustered into the following job duties:

- System Information/Components
- Monitor, Evaluate, and Adjust Disinfection
- Laboratory Analysis
- Install Equipment
- Operate Equipment
- Perform Maintenance
- Perform Security, Safety, and Administrative Procedures

The level of knowledge (i.e., comprehension, application, analysis) required for each task is also identified in the following pages.

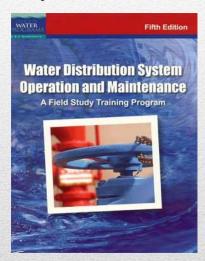
- **Comprehension** is the most basic level of understanding and remembering. Items written at the comprehension level require examinees to recognize, remember, or identify important ideas.
- Items written at the application level require examinees to interpret, calculate, predict, use or apply information and solve problems.
- Items written at the analysis level require examinees to compare, contrast, diagnose, examine, analyze, and relate important concepts.

Application Application The level of knowledge is a hierarchy from basic comprehension to analysis. The level of knowledge tested is cumulative. Therefore, tasks identified as application may include questions written at both the application and comprehension levels. Tasks identified as analysis may include questions written at the comprehension, application, and analysis levels.

Biomers and compressors	TWA	ı
Chemical feeders	Application	
Chlorinators	Application	
Corrosion control	Application	
Cross-connection control	Application	
Drives	N/A	0000
Electric motors	Application	
Electrical grounding	Application	
Engines	Comprehension	
Evaluate operation of equipment	Application	
Facility inspection	Application	3

- The ABC 2012 Need-To-Know criteria lists the recommended study resources.
- OFFICE OF WATER PROGRAMS California State University Sacramento Phone 916-278-6142, Fax 916-278-5959

http://www.owp.csus.edu/training/courses/orderform.php



EXAM PREPARATION

GOT GOOGLE???

http://ragsdaleandassociates.com/

http://americanwatercollege.org/

www.tn.gov/environment/fleming/study.shtml

www.sewergeek.com

http://watercenter.montana.edu/training/default.htm

http://www.thewatersifu.com/

http://www.indigowatergroup.com/index.htm

http://www.smallwatersupply.org/Default.aspx

https://quizlet.com/standardized-tests/

http://www.cram.com/

EXAM PREPARATION

Reference Material for ABC Water I reatment Examinations

Exam Topic	California State University, Sacramento References	American Water Works Association References	
Administration	Water Treatment Plant Operation, Volume I, Ch. 17 Manage for Success, Ch. 1	Principles & Practices of Water Supply Operations (PPWSO) – Water Quality, Ch. 9	
Collect Samples	Water Treatment Plant Operation, Volume I, Ch. 7 & 11	PPWSO Water Quality, Ch. 2, 4 & 5 PPWSO Basic Science Concepts & Applications	
	Arkansas Public Water System Compliance Summary		
Compliance	Arkansas Rules and Regulations Pertaining to PWS Arkansas Public Water System Compliance Summary		
	Water Treatment Plant Operation, Volume II, Ch. 22	PPWSO Water Quality	
Evaluate Equipment	Water Treatment Plant Operation, Volume I, Ch. 10 Water Treatment Plant Operation, Volume II, Ch. 19	PPWSO Water Treatment	
Evaluate Equip-Math	Water Treatment Plant Operation, Volume I, Math Appendix	PPWSO Basic Science Concepts & Applications	
Evaluate Sources	Water Treatment Plant Operation, Volume I, Ch. 2	PPWSO Water Quality, Ch. 6	
	Small Water System Operation & Maintenance, Ch. 3	PPWSO Water Sources, Ch. 2	
Laboratory	Water Treatment Plant Operation, Volume I, Ch. 7, 11 Water Treatment Plant Operation, Volume II, Public Health Ch. 22 Small Water System Operation & Maintenance Ch. 7	PPWSO Water Quality, Ch. 6 PPWSO Water Treatment, Ch. 7	
Maintain Equipment	Water Treatment Plant Operation, Volume 1, Ch. 7 Water Treatment Plant Operation, Volume II 18 & 20	PPWSO Water Treatment PPWSO Water Transmission & Distribution	
Monitor, Evaluate & Analyze Chemical Treatment	Water Treatment Plant Operation, Volume I, Ch. 1, 4, 7 8, 10, & 11 Water Treatment Plant Operation, Volume II, Ch. 13 & 21 Small Water System Operation & Maintenance, Ch. 5	PPWSO Water Treatment, Ch. 7 & 8	
Monitor, Evaluate & Analyze Chemical Treatment-Math	Water Treatment Plant Operation, Volume I, Appendix	PPWSO Basic Science Concepts & Applications	
Monitor, Evaluate & Analyze Source & Disposal	Water Treatment Plant Operation, Volume I, Ch. 8 Water Treatment Plant Operation, Volume II, Ch.22 Small Water System Operation & Maintenance, Appendix Water Distribution System Operation & Maintenance Ch. 23	PPWSO Water Treatment	
Source & Disposal-Math	Water Treatment Plant Operation, Volume I, Appendix	PPWSO Water Treatment	
Operate Equipment	Water Treatment Plant Operation, Volume 1, Ch. 7, 10 Water Treatment Plant Operation, Volume II, Ch. 18	PPWSO Water Treatment, Ch. 3, 7,	
Operate Equipment-Math	Water Treatment Plant Operation, Volume I, Appendix	PPWSO Basic Science Concepts & Applications	
Safety	Water Treatment Plant Operation, Volume I, Ch. 7, 10, 11 Water Treatment Plant Operation, Volume II, Ch. 18, 20, 23 Small Water System Operation & Maintenance Ch. 5, 6	PPWSO Water Treatment	

WATER TREATMENT

- GateWay has noticed that you registered for the same exam for both days. Please check that this is the case or tell us if you need to cancel one of the dates.
- If you intend to take the same exam on both days, be prepared to pay for both exams on the first day or you will not be allowed to take any exam.

REGISTRERING FOR THE SAME EXAM BACK TO BACK

- Registering for an exam and not showing up
- Registering for an exam and not canceling
- Paying for the exam you missed
- Paying upfront for all exams

NAUGHTY LIST

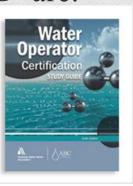
- GateWay has internships setup with cities in the Phoenix Metro area: Peoria, Mesa, Gilbert....
- Contact GateWay for information about internships.

Email: operatorcert@gatewaycc.edu

• Phone: 602-286-8105



- ADEQ offers a practice exam.
- The AWWA or WEF study guides are practice exams.
- Quizzing yourself will give you an idea of what areas you need to study.
- It's great if you know the answer is 'A'....but do you know what 'B', 'C' and 'D' are.



PRACTICE EXAMS

- Do you know where you are going for your exam.
- Do you know where to park.
- Did you plan for traffic.
- Don't get discouraged when someone is done in 45 minutes and leaves.
- You are not going to know the answer to every question....the key is not to get discouraged and keep going.

TEST DAY

- Photo ID: A photo ID must be presented before a test is administered.
- ADEQ allows the use of non-programmable calculators and formula/conversion sheets.
- Formula/conversion sheets will be supplied at the testing site.
- MEID & Student #

WHAT TO BRING

- Exam scores will be available immediately for web based exams.
- Written exam scores take 4-6 weeks.
- The IMR will be sent via email to the address provided during registration and your student account.

EXAM SCORES

Individual Mastery:

Arizona Wastewater Treatment Grade 1

Student ID 46557074

On 12/19/2014 at 12:19:30 PM

Objective	Score	%	0100
Evaluate & Maintain Equipment	20 of 28	71.43	
Laboratory Analysis	5 of 7	71.43	
Monitor, Eval, & Adjust Treatment	27 of 33	81.82	
Operate Equipment	13 of 16	81.25	
Perform Security, Safety & Admin	8 of 11	72.73	
Wastestream Physical Characteristics	4 of 5	80.00	
Summary:			
Points Earned	77		
Objectives Mastered	16		
Objectives Partially Mastered	6		
Objectives Not Mastered	1		
Areas Mastered	6		
Areas Partially Mastered	0		
Areas Not Mastered	0		

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INDIVIDUAL MASTERY REPORT

- New Operator Certificates can take 8-10 weeks to arrive.
- If the 8-10 week wait is to long contact us.
- HR needs to see the ADEQ certificate before you receive a pay increase.
- In most cases we can accommodate processing a certificate with the Individual Mastery Report **and** the Operator Update Form.

CERTIFICATES

- After you have left the exam and get to your vehicle take a moment to take notes.
- Take notes on the 1, 2, 3, or 4 things you had no idea on.
- This will help you if you failed your exam.
- This is also help you if you plan on going to the next higher grade level.

PASS or FAIL

• GateWay wants to hear from you. GateWay can schedule a test date at your facility anywhere in Arizona.

Contact GateWay operatorcert@gatewaycc.edu 602-286-8105



- Are you a supervisor or manager for a water/wastewater treatment plant? a municipality?
- Do you have a training room with at least 15 PCs and internet connectivity?
- You could either rent your training room, test registration fee would be \$107 for each operator or you can provide the room free of use then test registration fee would be then \$87.

Provide your contact info so GWCC can get in touch with you.

Request Off-Campus Testing

	Grade 1	Grade 2	Grade 3	Grade 4	Totals
Collections					,
Pass	136	85	43	33	297
Fail	61	21	19	22	123
Total	197	106	62	55	
Passing Rate	69.04%	80.19%	69.35%	60.00%	69.64%
Wastewater Treatment					
Pass	137	56	40	24	257
Fail	156	49	53	58	316
Total	293	105	93	82	
Passing Rate	46.76%	53.33%	43.01%	29.27%	43.09%
Distribution	5				
Pass	232	125	51	32	440
Fail	211	72	51	39	373
Total	443	197	102	71	
Passing Rate	52.37%	63.45%	50.00%	45.07%	52.72%
Water Treatment					
Pass	156	89	34	24	303
Fail	113	29	50	31	223
Total	269	118	84	55	
Passing Rate	57.99%	75.42%	40.48%	43.64%	54.38%

FY15 July 1, 2014-June 30, 2015 updated July 2014-May 2015



Overall Passing Rate

55.62%

- Certificates are active for 3 years.
- A professional development hour (PDH) is equal to one contact hour of continuing education. A total of 30 professional development hours are required for each 3-year renewal period regardless of the number of certificates that are held by an operator.
- "Professional development hour" or "PDH" means one hour of participation in an organized educational activity related to engineering, biological or chemical sciences, a closely related technical or scientific discipline, or operations management.

Professional Development Hour (PDH)

- Water Workbook 5 PDHs
- Wastewater Workbook 5 PDHs
- Water & Wastewater Security 2 PDHs
- Backflow & Cross-Connection 1 PDH
- Operator Math 1 PDH
- SDWA 1 PDH
- Public Water System Inspection 2 PDHs
- Workbooks must be submitted along with the renewal form.

PDH WORKBOOKS

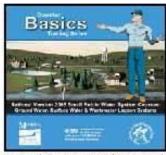
- PDHs-Montana Training CD
 http://www.nesc.wvu.edu/subpages/operator_certification
 .cfm
- ADEQ developed training CD
 http://www.waterhelp.org/index.php/client/arizona

TRAINING CDS

Montana Water CDs

These educational training products, developed by the **Montana Water Center** (MWC), are available for free online. They are also distributed free in the United States by the NESC. Note that shipping charges may apply. Downloads are available courtesy of MWC. Drinking water operators may be able to get CEUs for completing these trainings. Check with the primacy agency in your state.

Operator Basics Training Series (2005) - This program/CD contains three courses and a "Water Exploration" showcase. Each course is designed to help prepare operators of small public water systems for certification. Certified operators may use this training to meet continuing education requirements if approved in your state -- please verify this with your certification agency prior to taking any of the courses. Product # DWCDTR18



Water Quality Expedition (2008) - This program/CD takes water system personnel and regulators on a virtual expedition through water quality issues. Subjects such as fate and transport, iron and manganese, hard water, nutrients, wastewater treatment, and emerging contaminants are covered in depth. Animated activities display processes by which waters gain physical, chemical and biological characteristics. Video Documentaries consult experts as they present first-hand knowledge of water quality research and issues.

Product # DWCDTR25

Virtual System Explorer (2006) - This program simulates small water system operations for workshop presentations on set-top DVD players and tracks user progress as a computer-based DVD. Users learn the basics of system operation, as well as how to recognize system deficiencies, perform a security risk assessment, and improve the financial and management capacity of a system. The three systems featured in this program are an untreated ground water system, a treated ground water system, and a surface water system. Continuing education credit may be available from your certification agency, but it must be approved in advance. Contact the accreditation agency in your state for more information.



Product # DWCDTR22

- Your contact information should be YOUR contact information....not supervisors, managers, spouse and so on.
- Provide an e-mail address you use most often.
- This is your certificate. You worked hard to earn it.
- Should you keep your certificates if you are retiring?
 Yes/No

CERTIFICATES

- Passing an exam does not renew other certificates you have.
- A certificate is only active for 3 years but time can be taken away.
- 1/31/2016-D1
- 1/31/2016-T1
- 1/31/2016-W2
- 1/31/2016-C1- C2-1/19/2016 passed! Out to 1/31/2019

EXPIRATION DATE

The Department will not renew a certificate without the complete information requested on this form.

Operator Certification Renewal Form

Name: JOHN WATER Operator Number OP0: 000001 SSN: (Last Four Digits Only)2222

Address:	1110 W WASHINGTON	NST						
City: PH	City: PHOENIX State: AZ ZIP: 85007							
Home Ph	one: 602 771 4511 Work	Phone: 602 7	71 4511 Ema	nil: NRA@A	AZDEQ.GC	OV		
System N	ame/Company Name and	Number: AB	C WATER					
☐ Drinking Water ☐ Wastewater Employment Start Date: 05/05/1905					05			
Indicate the type, grade, and expiration date for each certificate that you hold.								
TYPE		GRADE 1 GRADE 2 GRADE 3 GRADE 4 EXP. DATE				EXP. DATE		
Water Di	stribution		П		X	05/31/2013		
Water Tro	eatment				\square	05/31/2013		
Wastewa	ter Collection				\square	05/31/2013		
Wastewa	ter Treatment				05/31/2013			
Do you want a Common Expiration Date (CED) for all your certificates? NO YES								
Date					PDHs			
4/1/11	ADEQ MATH CLASS					7		
8/12/11	11 RWAA BACKFLOW TRAINING					7		
12/1/11	11 FEMA ONLINE ICS					4		
1/5/12	ADEQ CCR CLASS					6		
1/22/12	/22/12 ADEQ DBP CLASS					6		
3/10/12 WATER SECURITY WORKBOOK					2			

- You may submit a renewal form up to 3 months prior to the expiration date.
- PDHs vs CEUs
- A professional development hour is one hour of contact time.
- 1 CEU is 10 hours of contact time.
- 1 CEU = 10 PDHs

PDHS & CEUS

- Have you moved recently?
- Changed e-mail addresses?
- Started a new job at a PWS/WWS?-10 days
- Retired from a PWS/WWS?-10 days
- Let the Operator Certification Program know.
- PWS-Public Water System AZ04-XX-XXX
- WWS-Wastewater System WW010XXXX
- Submitting the documents electronically please save the file as your first and last name or OP#.

OPERATOR UPDATE FORM



OPERATOR CERTIFICATION UPDATE FORM

	-			
Name	Operator Number (OP0	SSN (Last Four Digits Only)
Mailing Address				
City	State	ZIP	Home Phone	
Work Phone	E-mail			
Select if you want added as th	ie Operator or Designat	ed Operator or	Removed from the system	using the drop
down tool.				
PWS-Public Water System W	WS-Wastewater System			
1. SYSTEM NAME:		PWS/WWS	Number	DESIGNATED OPERATOR •
Start Date:		1		
2. SYSTEM NAME:		PWS/WWS	Number	DESIGNATED OPERATOR •
Start Date:		1		-
3. SYSTEM NAME:		PWS/WWS	Number	DESIGNATED OPERATOR -
Start Date:		,		_
4. SYSTEM NAME:		PWS/WWS	Number:	DESIGNATED OPERATOR •
Start Date:		-		

- July 1, 2011 June 30, 2012: 63 days of exams hosted by GateWay in Arizona.
- July 1, 2012 June 30, 2013: 74 days of exams hosted by GateWay in Arizona.
- July 1, 2014 June 30, 2015: 107 days of exams hosted by GateWay in Arizona.
- 2 exam sessions are offered at out of town events.
- There is a break around the holidays.
- There is a break over the summer.

EXAM OPPORTUNITIES

- PDH documentation for 5 years
 - Current 3 year PDH training folder
 - Previous 3 year PDH training folder that was renewed
- Submitting a Renewal form
 - Fax transmission sheet
 - Sent Email
 - Certified mail
 - Hand delivered receipt

RECORD KEEPING

- ADEQ will grant reciprocity to certificates earned via an exam from all other jurisdictions.
- Military MOS was Water Treatment....contact ADEQ about reciprocity and GateWay about college credits.
- No State will grant reciprocity to a certificate earned via reciprocity.

RECIPROCITY

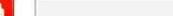


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Home » Academic » Support

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▼ Programs

▼ Support

- Adult Re-Entry
- ▶ Career Center
- Continuing Education & Non-Credit Training
- Counseling
- Disability Resources
- ▶ GED & ELAA Classes
- International Students
- ► PROSPER
- ▶ Peer Advocates
- Veterans Services

- Resources



Resources

The Veterans Administration

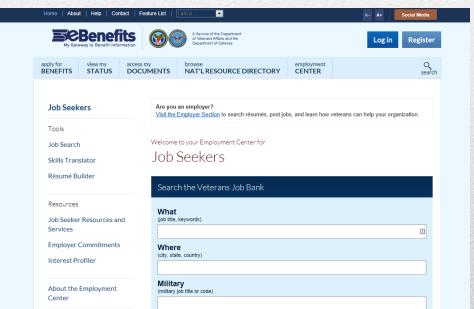
Veterans Services

GateWay values the opportunity to educate our veterans and offers on campus veteran

Contact

Veterans Services

- Veterans can post resumes and search jobs.
- Employers can post jobs and search resumes.



VETERANS

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WHERE THE INDUSTRY GETS TO WORK

POST A JOB

POST A RESUME

OR

Jobs Resumes

What?

job title or keywords

Where?

city, state

Find

A service of Brown and Caldwell's BCWaterNews

Contact Us

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what	where	
	Phoenix, AZ	Find Jobs

job title, keywords or company name

city, state or zip code

Advanced Job Search

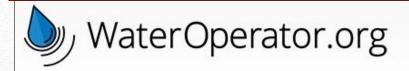
Post your resume - It only takes a few seconds

My recent searches - clear

water treatment - Phoenix, AZ

632,110 new jobs in the last 7 days Search job sites, newspapers, associations and company career pages.

Indeed helps people get jobs: Over 1.9 million stories shared



HOME

EVENT CALENDAR

Looking for SmallWaterSupply.org? You're in the right place.

WATEROPERATOR.ORG

62

- Environmental Calculations APP
 - O Designed for engineers, operators and students to preform more than 20 commonly used calculations:
 - **▼** Headloss
 - ➤ Pipe Hydraulics
 - **▼** Horse Power
 - ➤ Filter Surface Loading Rate
 - Available on Apple I phones 3.00\$
- Water Solutions Pro-5.99\$
 - Calculator for over 50 different calculations made in the water industry.
- NRWA Water Operator App-2.99\$

SMART PHONE APPS

- Effective date of July 1, 2016
- Renewal: Operators are still required to submit 30 PDHs
 - One Certificate \$150
 - Two Certificates \$200
 - Three Certificates \$250
 - Four Certificates \$300
- Reciprocity is \$250 for application review
- Early Exam is \$150 for application review
- \$65 for a new certificate (passed exam and reciprocity)
- Can operators renew early; YES....Submit a Renewal Form with 30 PDHs and PDH documentation in June 2016 requesting your certificates be expired in June 2016 and renewed. They will be renewed until June 30, 2019.

OPERATOR CERTIFICATION FEES

- ADEQ received the approval to proceed with rule change
- ADEQ has Representative Frank Pratt as a supporter
- Time will Tell

OPERATOR CERTIFICATION FEES

- Do you have photos of your water or wastewater systems that ADEQ could use?
- Send them to azopcert@azdeq.gov

SEND US PHOTOS



THANK YOU

??QUESTIONS??

"Statements of fact and opinion expressed are those of the author(s) and presenter(s). AZ Water Association, AZAWWA and AZWEA assume no responsibility for the content, nor do they represent official policy of the Association."

602-771-4511 or nra@azdeq.gov