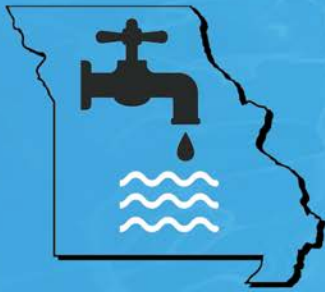


# Missouri Department of Natural Resources OPERATOR CERTIFICATION SECTION



## WATER & WASTEWATER DIGEST

Summer 2017

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### The Great American Eclipse

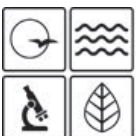
Is your water and wastewater system ready for the Great American Eclipse? On Monday, Aug. 21, 2017, Missouri will experience a total solar eclipse. This is a rare event that has not occurred in the state since Aug. 7, 1869. Unlike the last time an eclipse occurred, where the total eclipse was only viewable in the northeast corner of the state, the path of totality, or the prime area for viewing the total eclipse, will make a diagonal path from the northwest corner of the state to the southeast corner. This will make Missouri one of the prime tourist destinations for those seeking to get the best views of the eclipse.



The "Great American Eclipse" is expected to draw an estimated 322,000 to 1.2 million<sup>1</sup> visitors to the state from across the United States and other countries. Many of these visitors will make an extended weekend out of the event. The large number of visitors expected will likely increase the demand on water supply and wastewater systems. The department encourages systems to plan ahead now to avoid any potential problems. Take simple steps like reviewing your system's contingency plans to ensure they are current and that personnel are familiar with what to do in an emergency situation.



Also, with the increased traffic that an event like this may bring to your community, it is important to consider the impacts this may have on your system's operations. Systems should consider whether it is necessary to develop alternative routes to their



**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

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facilities to ensure their personnel have access to the facilities as needed. Also, with a large number of visitors all potentially using their cellular phones, telecommunications towers may become overloaded, so ensure your staff has reliable communication devices to use in the event of an emergency. Planning ahead will ensure your system is prepared for whatever unexpected situation may arise and that visitors to your areas have a pleasant experience.

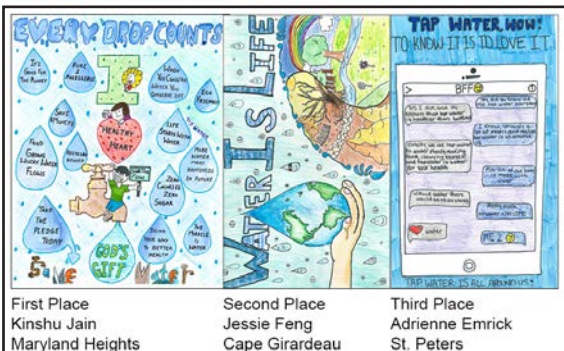
The communities with the largest potential influx of visitors during the eclipse are those along the 100 mile wide path of totality. A map of the path of totality and timeframe for the solar eclipse can be found on the department's webpage at [dnr.mo.gov/education/solar-eclipse.htm](http://dnr.mo.gov/education/solar-eclipse.htm). If you have any questions, please contact your regional office or Water Protection Program staff at 573-751-1300.

<sup>1</sup> <https://www.greatamericaneclipse.com/statistics/>

## Drinking Water Week

Drinking Water Week, May 7-13, was an opportunity to recognize the vital role water plays in our daily lives and is celebrated each year during the first full week of May. To celebrate, the Department of Natural Resources and the American Water Works Association held a poster contest for Missouri fifth-grade students. First place went to Kinshu Jain of Maryland Heights. Second place went to Jessie Feng of Cape Girardeau, and third place went to Adrienne Emrick of St. Peters.

### 2017 Winners



Drinking Water Week is a week set aside each year to make people more aware of the benefits of tap water. A safe, reliable water supply is critical to the success of any community. It creates jobs, attracts industry and investment and provides for the health and welfare of citizens in ways ranging from disease prevention to fire suppression. We often take water resources for granted unless we are living through a drought or when depleted water supplies threaten a community's future. Water plays a vital role in our daily lives, and this poster contest asked students to celebrate what only tap water can deliver.



## Drinking Water Tips and Precautions

The department's disaster resources webpage -- [dnr.mo.gov/disaster.htm](http://dnr.mo.gov/disaster.htm) -- provides fact sheets to aid in recovering from recent floods, and reporting any potential hazardous substance containers or propane tanks that have been affected by the flooding.

## Current Boil Water Advisories and Orders

Residents should contact their water system directly to determine if a boil water advisory



has been issued. Boil water advisories are a precautionary public notice issued by public water systems if conditions at the system demonstrate a potential threat to public health. Boil water orders are issued by the department and order public water systems to notify their customers about the threat to public health. Find current boil water orders at [dnr.mo.gov/env/wpp/boil/index.html](http://dnr.mo.gov/env/wpp/boil/index.html).

In addition, if any area has lost water pressure for any period of time, residents should boil their water for drinking for three minutes. Residents should continue to boil their water until notified that sample results show the water is safe to drink. A fact sheet for residents on boiling water can be found at [dnr.mo.gov/pubs/pub2001.htm](http://dnr.mo.gov/pubs/pub2001.htm).

If residents need additional information or cannot reach their water supply representative, call the department at 800-361-4827 or your nearest regional office:



- Kansas City Regional Office – 816-251-0700
- Northeast Regional Office – 660-385-8000
- Southeast Regional Office – 573-840-9750
- Southwest Regional Office – 417-891-4300
- St. Louis Regional Office – 314-416-2960

### Tips for Restoring Your Drinking Water

Individuals that may have been affected by flooding can learn how to flush and disinfect their water lines using this online guidance: [dnr.mo.gov/pubs/pub764.htm](http://dnr.mo.gov/pubs/pub764.htm).

### Private Drinking Water Wells

Individuals using private wells that may have been flooded may contact their local public health agency for a **free** water test and boil order procedures.



Additional information about precautions and steps to take if your well is

impacted by flood waters can be found at [dnr.mo.gov/geology/geosrv/wellhd/wellsanddrilling.htm#floodedwells](http://dnr.mo.gov/geology/geosrv/wellhd/wellsanddrilling.htm#floodedwells) or by calling the department's Wellhead Protection Section at 573-368-2165.

Search for well records or pump installation contractors at [dnr.mo.gov/mowells/](http://dnr.mo.gov/mowells/).

## Annual Water Quality Report

Please share this information with the person responsible for the 2016 Consumer Confidence Report (CCR) distribution and certification for your drinking water system.

Water systems must distribute the annual CCR to water customers by July 1 each

year. A copy of the distributed CCR, the certification form and required supporting documentation must be returned to the



department, by Oct. 1, to receive credit for completing annual CCR requirements. To assist with these efforts, the Missouri Department of Natural Resources generates a “skeleton” CCR with system information and water quality results each year for all community water systems.

Water systems may use the electronic delivery method to reduce printing and postage costs associated with distributing the 2016 CCR. This option allows direct delivery of the CCR to customers electronically by providing a unique web address, known as a URL to customers on a utility bill, newsletter, or other means. To meet direct delivery requirements, water systems must provide water customers with a URL that goes directly to the complete CCR for that year, without the need to click additional links for access. Some water customers may not have access to the internet, so systems must also provide contact information, in the same notification, stating that a paper copy of the CCR is available upon request.

The CCRs are also hosted, free of charge, on the department's website. This provides your system with a unique web address to access the most recent water quality report and assists those systems who choose to use the direct electronic delivery method. The URL is unique



to each water system and may be accessed by visiting [dnr.mo.gov/ccr/MO0000001.pdf](http://dnr.mo.gov/ccr/MO0000001.pdf) by replacing “MO0000001” with your system’s public water system’s identification (PWSID) number. Since the name of the file (public water system ID) does not change from year to year, it may be necessary to delete your computers internet history to remove temporary internet files and website files as well as cookies and website data. If you or your water customers experience difficulty viewing the 2016 CCR, it may be necessary to clear the temporary internet files and to try the link again. Water systems may receive calls from customers with this issue, and it may be necessary to walk them through the process or mail a physical copy of the CCR to the customer.

CCRs are updated in April of each year to reflect the water quality report for the previous calendar year with results for the previous



monitoring periods. Please be aware some monitoring is done every three, six or nine years depending on the contaminant, so results from earlier than the previous year may be the

most recent valid samples. Also, the Revised Total Coliform Rule (RTCR) became effective in 2016. New required RTCR language on the 2016 CCR will be included if your system triggered any of the new reporting requirements including Level 1 or Level 2 assessments. Additionally, if a water system was supplied water by an out-of-state provider or additional testing was performed by an outside laboratory and not reported to the department, those results must also be added to the “skeleton” CCR before being distributed to customers.

The department, with assistance from the Missouri Rural Water Association, developed a video to help community water systems with CCR distribution and certification using

electronic delivery. The video is available on the MissouriDNR channel of YouTube or may be accessed directly at [youtube.com/watch?v=eMvi4O5HoFs](https://www.youtube.com/watch?v=eMvi4O5HoFs). The video explains the CCR, where to find the online “skeleton” CCR generated for each water system by the department and what must be done in order to make the CCR available to customers.

The department encourages all water systems to take advantage of the tools and information provided on the CCR home page ([dnr.mo.gov/ccr/ccr.htm](http://dnr.mo.gov/ccr/ccr.htm)) to assist with CCR compliance.

The following table shows the actions required and deadlines for reporting.

Deadline	Action Required
April 1	Reseller Report to Consecutive Systems (“Skeleton” CCR posted on DNR website)
July 1	CCR Distributed to Customers
Oct. 1	CCR Certification Form Returned to DNR

This is sample language your system may use for electronic delivery.

Please enter the seven-digit identification number issued by the state, system phone number and return the certification form with supporting documentation to the department.

“The 2016 CCR is available at [www.dnr.mo.gov/ccr/MO#####.pdf](http://www.dnr.mo.gov/ccr/MO#####.pdf). For a paper copy call XXX-XXX-XXXX”

Systems that fail to meet distribution requirements or reporting deadlines will receive violations according to CSR 60-8.030. If you have questions about the CCR process, need to request changes to your CCR or prefer to use

your own URL, please email the department at [CCR@dnr.mo.gov](mailto:CCR@dnr.mo.gov) or contact the department's CCR coordinator, Sharon Wilbers, at 573-526-3832.

## **Financial Assistance Center Provides Funding to Communities for Water, Wastewater**



### **Infrastructure**

The Financial Assistance Center, housed in the department's Water Protection Program, provides funding to communities for water

and wastewater infrastructure. The primary funding tools are the State Revolving Funds.

The State Revolving Funds provide below market- interest rate loans to municipalities, counties, public water and public sewer districts and political subdivisions for wastewater and drinking water infrastructure projects. Projects may be new construction or the improvement or renovation of existing facilities. Individual loans made through the State Revolving Funds range from \$200,000 to \$80 million.

Federal funds are made available annually to the state under the provisions of the Clean Water Act and the Safe Drinking Water Act by the U.S. Environmental Protection Agency. Matching funds are provided by the state, and repayments from existing loans add to the pool of money available annually.

Limited grant funding through the State Revolving Funds may be available but is dependent on federal appropriations. Allocation of grant funds to applicants is competitive with priority given to small and very small communities that may not otherwise be able to afford the project.

For more information on the State Revolving Funds, or how to apply for them, please contact the Financial Assistance Center at 573-751-1192 or [fac@dnr.mo.gov](mailto:fac@dnr.mo.gov).

### **Fiscal Year 2018 Intended Use Plans are Under Development**

The department's Financial Assistance Center is currently compiling the information for Fiscal Year 2018 Clean Water and Drinking Water State Revolving Fund Intended Use Plans. The plans provide an in-depth look at how the department provides financial assistance through subsidized, low-interest loans to municipalities, counties and public sewer districts for wastewater infrastructure projects. Fiscal year 2017 plans are available online at [dnr.mo.gov/env/wpp/srf/wastewater-assistance.htm](http://dnr.mo.gov/env/wpp/srf/wastewater-assistance.htm) and at [dnr.mo.gov/env/wpp/srf/drinkingwater-assistance.htm](http://dnr.mo.gov/env/wpp/srf/drinkingwater-assistance.htm).

### **Current and Upcoming State Revolving Fund Projects**

The Financial Assistance Center lists bid advertisements and projects under construction at [dnr.mo.gov/env/wpp/srf/index.html](http://dnr.mo.gov/env/wpp/srf/index.html).

### **Capacity Development Introduction**

The Capacity Development Unit within the Department of Natural Resources' Public Drinking Water Branch is focused on improving the technical, managerial, and financial (TMF) capacity of Missouri's public drinking water systems. Some examples of commonly identified TMF issues are: a deficient number of or underqualified operators; lack of updated distribution map; incorrect system personnel contact information; lack of tank maintenance and inspection, asset inventory, and reserve funds; and water loss reported greater than 15 percent.

Department staff, along with service providers contracted through Missouri Rural Water Association Circuit Riders, provide technical assistance to public water systems throughout the state. The assistance spans a wide range of TMF areas, including compliance, technical issues, operator certification, disinfection and disinfectant residuals, water loss, natural disasters, flushing and meter testing. The current focus for assistance is water loss and leak detection, rate studies, and valve exercising and flushing programs. Assistance is prioritized through the results of the biennial survey. Tune into the next issue for the update on what the TMF survey is, how it is used by Capacity Development Unit, and its benefits to you!

For more information, contact Danielle West, the department's capacity development coordinator at [danielle.west@dnr.mo.gov](mailto:danielle.west@dnr.mo.gov).

## @MoDNR Invites You to Follow Us on Twitter

Over the last few years, the online social media website and app Twitter has grown significantly. Users can follow other users and broadcast short messages to the world, which may include a photo or a link to more information. In an effort to continue engaging citizens, the Department of Natural Resources created an account and invites you to follow us at our username @MoDNR. Follow us to get the latest news on what the department is doing, funding opportunities and events happening around Missouri.



### FLOOD RECOVERY

Water and wastewater operators need flood recovery assistance? We can help. Call - 800-361-4827



RECOVERY.MO.GOV

## Operator Certification Exam Schedule

Exam Date	Location	Filing Deadline
Aug. 1	Northeast Regional Office, Macon	July 1
	Kansas City Regional Office, Lee's Summit	
	Lewis & Clark State Office Bldg, Jefferson City	
Sept 5	Powder Valley Nature Center, Kirkwood	Aug. 5
	Lewis & Clark State Office Bldg, Jefferson City	
Oct. 3	Southeast Regional Office, Poplar Bluff	Sept. 2
	Southwest Regional Office, Springfield	
	Lewis & Clark State Office Bldg, Jefferson City	
Nov. 7	Northeast Regional Office, Macon	Oct. 7
	Kansas City Regional Office, Lee's Summit	
	Lewis & Clark State Office Bldg, Jefferson City	
Dec. 5	Powder Valley Nature Center, Kirkwood	Nov. 4
	Lewis & Clark State Office Bldg, Jefferson City	

**Missouri Department of Natural Resources  
Approved Training Courses for Drinking Water, Distribution, Wastewater, and CAFOs  
Operator Certification**

Please contact the course coordinator at the phone number listed below for more information.

Course Title	Course Number	Course Location	Sponsored By	Course Coordinator	Coordinator Phone No.	First Day	Last Day	Voucher Status	Total Days	Renewal Credit Hours		CAFO
										Drinking Water Treatment	Drinking Water Distribution/Wastewater	
Confined Space Entry	1701123	Kansas City	United Rentals	Dan Habel	816-921-4141	06/16/2017	06/16/2017	DW - Blue	1	5.0	5.0	5.0
Confined Space Entry	1706089	Saint Louis	United Rentals	James Dickey	314-729-0003	06/16/2017	06/16/2017	DW - Blue	1	5.0	5.0	5.0
Basic Microscope Use for W & WW Operators in Drinking Water	1702372	Macon	MDNR-NERO	Troy LaLond	660-385-8000	06/20/2017	06/20/2017	Free	1	6.0	6.0	0.0
Chemical Application in Drinking Water	1702451	Bowling Green	MRWA	Tom Hyatt	573-657-5533	06/20/2017	06/20/2017	Free	1	6.5	3.0	0.0
Introduction to Cybersecurity Workshop	1709528	Lenexa, KS	USEPA	William Keefer	508-833-6600	06/20/2017	06/20/2017	Free	1	6.0	6.0	6.0
Wastewater Ammonia Removal	1705505	Springfield	MDNR-SWRO	E C West	417-891-4300	06/20/2017	06/20/2017	Free	1	2.0	2.0	2.0
Water & Wastewater Short Course	1705591	Cassville	MWWC	Sandi Miller	573-761-0376	06/20/2017	06/20/2017	DW - Blue	1	6.5	6.5	0.0
Controlling Inflow and Infiltration	1702637	Louisiana	Waterproof Solutions	Allen Decker	636-343-4379	06/21/2017	06/21/2017	Free	1	0.0	0.0	0.0
Optimizing Chloramine Treatment	1702671	Stoutsville	SUJZ	Scott Allen	573-672-3237	06/21/2017	06/21/2017	Free	1	6.5	5.5	0.0
Distribution System Flushing and Sampling	1705583	Springfield	MDNR-SWRO	Jacques Martineau	417-888-4090	06/22/2017	06/22/2017	Free	1	5.5	7.0	0.0
Small Water System Basics	1704563	Kennett	MDNR-SERO	Jason Kirkman	573-840-9750	06/22/2017	06/22/2017	Free	1	6.0	6.0	0.0
Speed Reducer Gearbox & Math	1706559	Defiance	MWWC	Sandi Miller	573-761-0376	06/22/2017	06/22/2017	DW - Blue	1	6.5	6.5	0.0
Permit Required Confined Space Entry	1701035	Kansas City	MARC	Beverly Wilson	816-701-8234	06/23/2017	06/23/2017	DW - Blue	1	7.0	7.0	7.0
Water & Wastewater Math Review	1704546	Samite Genevieve	MDNR-SERO	Jason Kirkman	573-840-9750	06/28/2017	06/28/2017	Free	1	6.0	6.0	6.0
Water and Wastewater Math	1705068	Springfield	MDNR-SWRO	Jacques Martineau	417-888-4090	07/06/2017	07/06/2017	Free	1	7.0	7.0	7.0
Excavation Safety - Competent Person Training	1701112	Kansas City	United Rentals	Dan Habel	816-921-4141	07/07/2017	07/07/2017	DW - Blue	1	6.0	6.0	0.0
Excavation Safety - Competent Person Training	1706078	Saint Louis	United Rentals	James Dickey	314-729-0003	07/07/2017	07/07/2017	DW - Blue	1	6.0	6.0	0.0
10 Day Water Treatment & Distribution Cert.	1702452	Ashland	MRWA	Tom Hyatt	573-657-5533	07/11/2017	08/15/2017	DW - Blue	10	62.5*	17.0	4.5
eDMR Training	1702392	Macon	MDNR-NERO	Troy LaLond	660-385-8000	07/11/2017	07/11/2017	Free	1	0.0	0.0	0.0
Electronic Discharge Monitoring Report (eDMR)	1702019	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	07/11/2017	07/11/2017	Free	1	0.0	0.0	0.0
Waste Water Certification Class	1701670	Buckner	MDNR-KCRO	Leonard Johnson	816-622-7017	07/11/2017	08/23/2017	WW - Green	12	32.5	31.0	28.0
Water & Wastewater Short Course	1702668	Brookfield	MWWC	Sandi Miller	573-761-0376	07/11/2017	07/11/2017	DW - Blue	1	6.5	6.5	0.0
6 Day Water Distribution Certification Class	1705509	Springfield	MDNR-SWRO	Jacques Martineau	417-888-4090	07/12/2017	07/26/2017	DW - Blue	6	37.5	41.5*	0.0
Water Quality: Source Through Distribution (eDMR)	1701560	Saint Joseph	MWWC	Sandi Miller	573-761-0376	07/13/2017	07/13/2017	DW - Blue	9	6.5	1.5	0.0
Electronic Discharge Monitoring Report (eDMR)	1705521	Springfield	MDNR-SWRO	Christopher Miller	417-891-4300	07/18/2017	07/18/2017	Free	1	0.0	0.0	0.0
Water & Wastewater Short Course	1704669	Farmington	MWWC	Sandi Miller	573-761-0376	07/18/2017	07/18/2017	DW - Blue	1	6.5	6.5	0.0
Basic Electricity	1704463	Cape Girardeau	MWWC	Todd Fulton	573-339-6641	07/19/2017	07/19/2017	DW - Blue	1	6.5	6.5	0.0
Controlling Inflow and Infiltration	1702706	Moberly	Waterproof Solutions	Allen Decker	636-343-4379	07/19/2017	07/19/2017	Free	1	0.0	0.0	0.0
Basic Math	1701663	Braymer	MDNR-KCRO	Leonard Johnson	816-622-7017	07/20/2017	07/20/2017	Free	1	6.5	6.5	6.5
Water & Wastewater Short Course	1701629	Orrick	MWWC	Sandi Miller	573-761-0376	07/20/2017	07/20/2017	DW - Blue	1	6.5	6.5	0.0
Bloodborne Pathogens	1701037	Kansas City	MARC	Beverly Wilson	816-701-8234	07/21/2017	07/21/2017	DW - Blue	1	3.5	3.5	3.5
Confined Space Entry	1701124	Kansas City	United Rentals	Dan Habel	816-921-4141	07/21/2017	07/21/2017	DW - Blue	1	5.0	5.0	5.0
Confined Space Entry	1706090	Saint Louis	United Rentals	James Dickey	314-729-0003	07/21/2017	07/21/2017	DW - Blue	1	5.0	5.0	5.0
eDMR Training	1702393	Macon	MDNR-NERO	Troy LaLond	660-385-8000	07/25/2017	07/25/2017	Free	1	0.0	0.0	0.0
Basic Math	1701664	Dearborn	MDNR-KCRO	Leonard Johnson	816-622-7017	07/27/2017	07/27/2017	Free	1	6.5	6.5	6.5
Small Water Systems - Back to Basics	1701703	Lees Summit	MDNR-KCRO	Lloyd Rawlings	816-251-0748	07/27/2017	07/27/2017	Free	1	5.5	6.5	0.0
Electronic Discharge Monitoring Report (eDMR)	1702020	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	08/01/2017	08/01/2017	Free	1	0.0	0.0	0.0
MWWC Annual Meeting Day 1	1702544	Columbia	MWWC	Sandi Miller	573-761-0376	08/01/2017	08/01/2017	DW - Blue	1	5.5	6.0	0.0
MWWC Annual Meeting Day 2	1702545	Columbia	MWWC	Sandi Miller	573-761-0376	08/02/2017	08/02/2017	DW - Blue	1	4.5	4.5	0.0
Excavation Safety - Competent Person Training	1701113	Kansas City	United Rentals	Dan Habel	816-921-4141	08/04/2017	08/04/2017	DW - Blue	1	6.0	6.0	0.0
Excavation Safety - Competent Person Training	1706079	Saint Louis	United Rentals	James Dickey	314-729-0003	08/04/2017	08/04/2017	DW - Blue	1	6.0	6.0	0.0
eDMR Training	1702394	Macon	MDNR-NERO	Troy LaLond	660-385-8000	08/08/2017	08/08/2017	Free	1	0.0	0.0	0.0
Excavate Safely: Trenching Shoring Confined	1706400	Hillsboro	MWWC	Sandi Miller	573-761-0376	08/09/2017	08/09/2017	DW - Blue	1	7.0	7.0	3.5

\* Course qualifies for six months of equivalent operating experience upon successful completion



Course Title	Course Number	Course Location	Sponsored By	Course Coordinator	Coordinator Phone No.	First Day	Last Day	Voucher Status	Total Days	Renewal Credit Hours		
										Drinking Water Treatment	Drinking Water Distribution	
Space												
Small Water Systems - Back to Basics	1701704	Garden City	MDNR-KCRO	Loyd Rawlings	816-251-0748	08/10/2017	08/10/2017	Free	1	5.5	6.5	0.0
Chemical Safety	1701038	Kansas City	MARC	Beverly Wilson	816-701-8234	08/11/2017	08/11/2017	DW - Blue	1	4.0	4.0	0.0
First Aid & CPR	1702616	Vandalia	MWWC	Sandi Miller	573-761-0376	08/16/2017	08/16/2017	DW - Blue	1	6.5	6.5	0.0
Multi-funding Workshop for Small Systems	1705622	Springfield	MO AWWA & EFCN	Leslie Kimble	573-761-0376	08/17/2017	08/17/2017	Free	1	5.5	5.5	0.0
Water & Wastewater Short Course	1701617	Albany	MWWC	Sandi Miller	573-761-0376	08/17/2017	08/17/2017	DW - Blue	1	6.5	6.5	0.0
Confined Space Entry	1701125	Kansas City	United Rentals	Dan Habel	816-921-4141	08/18/2017	08/18/2017	DW - Blue	1	5.0	5.0	5.0
Confined Space Entry	1706091	Saint Louis	United Rentals	James Dickey	314-729-0003	08/18/2017	08/18/2017	DW - Blue	1	5.0	5.0	5.0
eDMR Training	1702395	Macon	MDNR-NERO	Troy LaLond	660-385-8000	08/22/2017	08/22/2017	Free	1	0.0	0.0	3.5
MRWA Boot Heel Expo, Day 1	1704551	Poplar Bluff	MRWA	Andy Bowman	573-657-5533	08/22/2017	08/22/2017	DW - Blue	1	6.5	6.5	0.0
MRWA Boot Heel Expo, Day 2	1704552	Poplar Bluff	MRWA	Andy Bowman	573-657-5533	08/23/2017	08/23/2017	DW - Blue	1	3.5	3.5	0.0
MO Smallflows Org. - Drip Irrigation Installation	1705618	Springfield	MO Smallflows Org.	Tammy Trantham	417-631-4027	08/29/2017	08/29/2017	VW - Green	1	0.0	0.0	1.0
MO Smallflows Org.: Wastewater Pathogens Pretreatment and Significant Industrial Users	1705619	Springfield	MO Smallflows Org.	Tammy Trantham	417-631-4027	08/30/2017	08/30/2017	VW - Green	1	0.0	0.0	4.0
Excavation Safety - Competent Person Training	1701564	Lees Summit	MDNR-NERO	Troy LaLond	660-385-8000	08/31/2017	08/31/2017	Free	1	0.0	0.0	6.0
Excavation Safety - Competent Person Training	1701114	Kansas City	United Rentals	Dan Habel	816-921-4141	09/01/2017	09/01/2017	DW - Blue	1	6.0	6.0	0.0
Excavation Safety - Competent Person Training	1706080	Saint Louis	United Rentals	James Dickey	314-729-0003	09/01/2017	09/01/2017	DW - Blue	1	6.0	6.0	0.0
10 Day Water Treatment & Distribution Cert. (eDMR)	1704585	Fredericktown	MRWA	Tom Hyatt	573-657-5533	09/05/2017	10/11/2017	DW - Blue	10	62.5*	60.0*	17.0
Electric Discharge Monitoring Report (eDMR)	1702021	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	09/05/2017	09/05/2017	Free	1	0.0	0.0	5.0
Jar Testing	1702707	Macon	MDNR-NERO	Travis Boss	660-385-8000	09/06/2017	09/06/2017	Free	1	6.0	0.0	3.0
PM & Site Surveying Plant Elec. Equip.	1706354	Saint Peters	Control Technicians	Barb Tucker	636-474-3188	09/08/2017	09/08/2017	DW - Blue	1	6.5	6.5	0.0
6 Day Water Distribution Certification Class	1705510	Lamar	MDNR-SWRO	Jacques Martineau	417-888-4090	09/12/2017	09/27/2017	DW - Blue	6	37.5	41.5*	16.0
Waste Water Certification Class	1701665	Clinton	MDNR-KCRO	Leonard Johnson	816-622-7017	09/12/2017	10/18/2017	VW - Green	12	32.5	31.0	74.5*
Water Quality Fundamentals	1706380	Eureka	Hach Company	Marvel Schulze	970-663-1377	09/12/2017	09/12/2017	DW - Blue	1	6.0	5.5	0.0
Wastewater Analysis Fundamentals	1706385	Eureka	Hach Company	Marvel Schulze	970-663-1377	09/13/2017	09/13/2017	VW - Green	1	3.5	2.0	0.0
Essentials for Chlorine Analysis	1706390	Eureka	Hach Company	Marvel Schulze	970-663-1377	09/14/2017	09/14/2017	DW - Blue	1	4.0	4.0	0.0
Recirculating Sand Filters and Trickling Filters	1701705	Warsaw	MDNR-KCRO	Loyd Rawlings	816-251-0748	09/14/2017	09/14/2017	Free	1	0.0	0.0	6.5
Sustainable Management for Rural & Small Systems	1701572	Dearborn	MRWA	Gary Webber	573-657-5533	09/14/2017	09/14/2017	Free	1	5.0	5.0	0.0
Confined Space Entry	1701126	Kansas City	United Rentals	Dan Habel	816-921-4141	09/15/2017	09/15/2017	DW - Blue	1	5.0	5.0	5.0
Confined Space Entry	1706092	Saint Louis	United Rentals	James Dickey	314-729-0003	09/15/2017	09/15/2017	DW - Blue	1	5.0	5.0	5.0
Temp. Traffic Control & Flagger Certification	1701042	Kansas City	MARC	Beverly Wilson	816-701-8234	09/15/2017	09/15/2017	DW - Blue	1	6.5	6.5	0.0
MO Smallflows Org. - Media Filters	1705711	Camdenton	MO Smallflows Org.	Tammy Trantham	417-631-4027	09/19/2017	09/19/2017	VW - Green	1	0.0	0.0	5.5
MO Smallflows Org.: Wastewater Pathogens	1705712	Camdenton	MO Smallflows Org.	Tammy Trantham	417-631-4027	09/20/2017	09/20/2017	VW - Green	1	0.0	0.0	4.0
Multi-Level Wastewater Certification Class (eDMR)	1702417	Macon	MDNR-NERO	Troy LaLond	660-385-8000	09/26/2017	11/01/2017	VW - Green	12	22.0	22.0	72.0*
Plant Safety & Emergency Planning	1705667	Neosho	MWWC	Sandi Miller	573-761-0376	09/26/2017	09/26/2017	DW - Blue	1	6.5	6.5	0.0
The A,B,C's and 1,2,3's of Drinking Water, Day 1	1702614	Jefferson City	MWWC	Sandi Miller	573-761-0376	09/27/2017	09/27/2017	DW - Blue	1	5.5	5.5	1.5
The A,B,C's and 1,2,3's of Drinking Water, Day 2	1702615	Jefferson City	MWWC	Sandi Miller	573-761-0376	09/28/2017	09/28/2017	DW - Blue	1	6.5	5.5	2.5
Water and Wastewater Math	1705069	Springfield	MDNR-SWRO	Jacques Martineau	417-888-4090	09/28/2017	09/28/2017	Free	1	7.0	7.0	7.0
8-Hour HAZWOPER Refresher	1701040	Kansas City	MARC	Beverly Wilson	816-701-8234	09/29/2017	09/29/2017	DW - Blue	1	7.0	7.0	0.0
Electronic Discharge Monitoring Report (eDMR)	1702022	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	10/03/2017	10/03/2017	Free	1	0.0	0.0	5.0
Electronic Discharge Monitoring Report (eDMR)	1705522	Springfield	MDNR-SWRO	Christopher Miller	417-891-4300	10/03/2017	10/03/2017	Free	1	0.0	0.0	5.0
MO Smallflows Org. - Match the System to the Site	1704713	Poplar Bluff	MO Smallflows Org.	Tammy Trantham	417-631-4027	10/03/2017	10/03/2017	VW - Green	1	0.0	0.0	5.0
MO Smallflows Org.: Wastewater Pathogens	1704714	Poplar Bluff	MO Smallflows Org.	Tammy Trantham	417-631-4027	10/04/2017	10/04/2017	VW - Green	1	0.0	0.0	4.0
Excavation Safety - Competent Person Training	1701115	Kansas City	United Rentals	Dan Habel	816-921-4141	10/06/2017	10/06/2017	DW - Blue	1	6.0	6.0	0.0
Excavation Safety - Competent Person Training	1706081	Saint Louis	United Rentals	James Dickey	314-729-0003	10/06/2017	10/06/2017	DW - Blue	1	6.0	6.0	0.0

\* Course qualifies for six months of equivalent operating experience upon successful completion

Course Title	Course Number	Course Location	Sponsored By	Course Coordinator	Coordinator Phone No.	First Day	Last Day	Voucher Status	Total Days	Renewal Credit Hours	
										Drinking Water Treatment	Drinking Water Distribution
Motor Starters, Control Devices & Elec. Drawings	1706355	Saint Peters	Control Technicians	Barb Tucker	636-474-3188	10/13/2017	10/13/2017	DW - Blue	1	6.5	6.5
MO Smallflows Org. - High Strength WW in Onsite WW	1706715	Maryland Heights	MO Smallflows Org.	Tammy Trantham	417-631-4027	10/19/2017	10/20/2017	WW - Green	2	0.0	10.0
Water & Wastewater Short Course	1701666	Liberty	MWWC	Sandi Miller	573-761-0376	10/19/2017	10/19/2017	DW - Blue	1	6.5	6.5
Confined Space Entry	1701127	Kansas City	United Rentals	Dan Habel	816-921-4141	10/20/2017	10/20/2017	DW - Blue	1	5.0	5.0
Confined Space Entry	1706093	Saint Louis	United Rentals	James Dickey	314-729-0003	10/20/2017	10/20/2017	DW - Blue	1	5.0	5.0
How to Select and Size A Chemical Feed Pump	1702708	Macon	MDNR-NERO	Travis Boss	660-385-8000	10/26/2017	10/26/2017	Free	1	6.0	6.0
10 Day Water Treatment & Distribution Cert.	1701728	Garden City	MRWA	Liz Grove	573-657-5533	10/31/2017	12/05/2017	DW - Blue	10	63.5*	22.5
Excavation Safety - Competent Person Training	1701116	Kansas City	United Rentals	Dan Habel	816-921-4141	11/03/2017	11/03/2017	DW - Blue	1	6.0	6.0
Excavation Safety - Competent Person Training	1706082	Saint Louis	United Rentals	James Dickey	314-729-0003	11/03/2017	11/03/2017	DW - Blue	1	6.0	6.0
Electronic Discharge Monitoring Report (eDMR)	1702023	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	11/07/2017	11/07/2017	Free	1	0.0	5.0
Drinking Water Laboratory (Hands On)	1702709	Macon	MDNR-NERO	Travis Boss	660-385-8000	11/09/2017	11/09/2017	Free	1	6.0	4.5
Permit Required Confined Space Entry	1701036	Kansas City	MARC	Beverly Wilson	816-701-8234	11/10/2017	11/10/2017	DW - Blue	1	7.0	7.0
Confined Space Entry	1701128	Kansas City	United Rentals	Dan Habel	816-921-4141	11/17/2017	11/17/2017	DW - Blue	1	5.0	5.0
Confined Space Entry	1706094	Saint Louis	United Rentals	James Dickey	314-729-0003	11/17/2017	11/17/2017	DW - Blue	1	5.0	5.0
Excavation Safety - Competent Person Training	1701117	Kansas City	United Rentals	Dan Habel	816-921-4141	12/01/2017	12/01/2017	DW - Blue	1	6.0	6.0
Excavation Safety - Competent Person Training	1706083	Saint Louis	United Rentals	James Dickey	314-729-0003	12/01/2017	12/01/2017	DW - Blue	1	6.0	6.0
Electronic Discharge Monitoring Report (eDMR)	1702024	Jefferson City	MDNR	Rebecca Cripe	573-526-1595	12/05/2017	12/05/2017	Free	1	0.0	5.0
Water Quality Fundamentals	1701381	Cameron	Hach Company	Marvel Schulze	970-663-1377	12/05/2017	12/05/2017	DW - Blue	1	6.0	5.5
Chlorine Analysis (Hands On)	1702710	Macon	MDNR-NERO	Travis Boss	660-385-8000	12/06/2017	12/06/2017	Free	1	6.0	6.0
Wastewater Analysis Fundamentals	1701386	Cameron	Hach Company	Marvel Schulze	970-663-1377	12/06/2017	12/06/2017	WW - Green	1	3.5	7.0
Essentials for Chlorine Analysis	1701391	Cameron	Hach Company	Marvel Schulze	970-663-1377	12/07/2017	12/07/2017	DW - Blue	1	4.0	4.0
Confined Space Entry	1701129	Kansas City	United Rentals	Dan Habel	816-921-4141	12/15/2017	12/15/2017	DW - Blue	1	5.0	5.0
Confined Space Entry	1706095	Saint Louis	United Rentals	James Dickey	314-729-0003	12/15/2017	12/15/2017	DW - Blue	1	5.0	5.0
Water and Wastewater Math	1705070	Springfield	MDNR-SWRO	Jacques Martineau	417-888-4090	12/28/2017	12/28/2017	Free	1	7.0	7.0

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In addition to checking training hours and renewing certificates online, this site provides a convenient place to view and update important contact information for public drinking water systems including the chief operator, sample collector and administrative contact.

For more information, contact the department's Operator Certification Section at 800-361-4827 or 573-751-1600.

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The list of approved training changes frequently and new courses are reviewed and approved by Department staff or trainers adjust schedules. By the time this newsletter reaches you, there may be new courses available in your area. visit us at [dnr.mo.gov/env/wpp/opcert/oprtrain.htm](http://dnr.mo.gov/env/wpp/opcert/oprtrain.htm) for an up-to-date list of approved operator certification courses.



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**Summer 2017**