

DMR-QA 31: All you need to know

What is it?

The DMR-QA study covers all major and some minor permit holders under the Clean Water Act's National Pollutant Discharge Elimination System (NPDES). If required to participate, permit holders should have received the DMR-QA 31 Announcement from the EPA at the beginning of 2011.

What does Paragon need from you?

We need to know who is required to participate!

If you are required to participate in DMR-QA, completely review this summary and instruction document, complete the associated checklist using appropriate values based on the services you're procured from us, or plan to procure from us in 2011, and submit the completed form to Kiersten Cummings ASAP via email or fax.

kierstenc@paragonlaboratories.com

Fax No. (734) 462-3911

When does it begin/end?

The ordering deadline is March 14, 2011 and all studies must close by July 1, 2011.

How do permit holders know what analytes to report?

Participating permit holders are responsible for reporting all analytes that appear on their permit that are part of the DMR-QA scope.

Who should perform DMR-QA testing for each facility?

For each required analyte, the lab that regularly performs the facility's analysis should report those same analytes for DMR-QA.

Example: A permit holder utilizes Paragon for low level mercury and available cyanide testing, another contract lab for WET testing, and an in-house lab for the remainder of requirements. Paragon should ONLY report LL Hg and AvCN testing on behalf of the permit holder. The secondary contract lab and the in-house lab also need to participate and report the remaining analytes.

What PT Provider does Paragon use?

Paragon uses ERA (Environmental Resource Associates) for all proficiency testing.

"ERA is accredited by A2LA (certification code 1539.01) for all of the chemistry, microbiological, and whole effluent toxicology analytes included in Study 31. For the chemical and microbiological tests under DMR-QA, customers are responsible only for those analytes that are both in your permit and included in Study 31."

We've ordered the following Compliant Studies from ERA for DMR-QA 31:

1. DMR-QA 31 Study (Whole Effluent Toxicity Testing)

Opens: March 14, 2011

Closes: July 1, 2011

2. WP-195 (Wet Chemistry)

Opens: April 11, 2011

Closes: May 26, 2011

Still have questions???

Additional information is available from the EPA:

<http://www.epa.gov/oecaerth/monitoring/programs/cwa/dmr/index.html>

And on ERA's FAQ page:

<http://www.dmrqa.com/npdespermitholders.htm>

WET Organisms/Test Conditions/End Points Checklist

DMR-QA Study 31

Analyte Number	Organisms / Conditions	End Points	Test Required	Laboratory's Graded Result		Analyte determined by state-certified
				Acceptable	Not Acceptable	
Test Code 13/EPA Method 2000						
754	Fathead minnow (<i>Pimephales promelas</i>) - MHSF 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 14/EPA Method 2000						
755	Fathead minnow (<i>Pimephales promelas</i>) - 20% DMW	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 15/EPA Method 1000						
756	Fathead minnow (<i>Pimephales promelas</i>) - MHSF	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
808	Fathead minnow (<i>Pimephales promelas</i>) - MHSF	IC25 (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
810	Fathead minnow (<i>Pimephales promelas</i>) - MHSF	NOEC (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 16/EPA Method 1000						
759	Fathead minnow (<i>Pimephales promelas</i>) - 20% DMW	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
812	Fathead minnow (<i>Pimephales promelas</i>) - 20% DMW	IC25 (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
814	Fathead minnow (<i>Pimephales promelas</i>) - 20% DMW	NOEC (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 19/EPA Method 2002						
764	Ceriodaphnia dubia - MHSF 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 20/EPA Method 2002						
765	Ceriodaphnia dubia - 20% DMW 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 21/EPA Method 1002						
766	Ceriodaphnia dubia - MHSF	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
767	Ceriodaphnia dubia - MHSF	IC25 REPRODUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
768	Ceriodaphnia dubia - MHSF	NOEC REPRODUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 22/EPA Method 1002						
769	Ceriodaphnia dubia - 20% DMW	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
770	Ceriodaphnia dubia - 20% DMW	IC25 REPRODUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
771	Ceriodaphnia dubia - 20% DMW	NOEC REPRODUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 32/EPA Method 2021						
788	Daphnia magna - MHSF 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 38/EPA Method 2021						
794	Daphnia pulex - MHSF 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 42/EPA Method 2007						
798	Mysid (<i>Mysidopsis bahia</i>) 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 43/EPA Method 1007						
799	Mysid (<i>Mysidopsis bahia</i>)	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
816	Mysid (<i>Mysidopsis bahia</i>)	IC25 (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
818	Mysid (<i>Mysidopsis bahia</i>)	NOEC (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 44/EPA Method 2006						
803	Inland silverside (<i>Menidia berylina</i>) 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 45/EPA Method 1006						
824	Inland silverside (<i>Menidia berylina</i>)	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
825	Inland silverside (<i>Menidia berylina</i>)	IC25 (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
826	Inland silverside (<i>Menidia berylina</i>)	NOEC (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 46/EPA Method 2004						
804	Sheepshead minnow (<i>Cyprinodon variegatus</i>) 25°C	LC50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Code 47/EPA Method 1004						
805	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	NOEC SURVIVAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
820	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	IC25 (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
822	Sheepshead minnow (<i>Cyprinodon variegatus</i>)	NOEC (ON) GROWTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Select Test Code No. 13 & check analyte #754 if your permit requires Fathead Minnow ACUTE toxicity testing.

Select Test Code No. 15 & check ALL of the boxes (analyte #s 756, 808, 810) if your permit requires Fathead Minnow CHRONIC toxicity testing

Select Test Code No. 19 & check analyte #764 if your permit requires Ceriodaphnia Dubia ACUTE toxicity testing

Select Test Code No. 21 & check ALL of the boxes (analyte #s 766, 767, 768) if your permit requires Ceriodaphnia Dubia CHRONIC toxicity testing.

Select Test Code No. 32 & check analyte #788 if your permit requires Daphnia Magna ACUTE toxicity testing.

Name _____ Signature _____ Date _____