

# STORMWATER UPDATE

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## EIT / EMT Training Upcoming Dates

### KSU CIT Program

<http://citksu.com>

*March 19-20, 2018*

*March 21-22, 2018*

*April 30 – May 1, 2018*

*May 1-2, 2018*

*June 6-7, 2018*

## Kansas Contractors Association

<http://www.kansascontractors.org/>

*February 7-8, 2018*

**WPCMs are required to have completed both the EIT and the EMT courses within the 12 months prior to beginning work on a project or being designated as WPCM for a project.**

All completed inspection reports must be submitted to the responsible Area Engineer and the contractor's WPCM within 24 hours of each inspection. The Area Engineer must sign within 3 calendar days and submit to [KDOT.stormwaterinspection@ks.gov](mailto:KDOT.stormwaterinspection@ks.gov). Failure to complete and submit inspection reports on time **will** result in penalties.

## When it Rains

Lots of changes are in the air for KDOT's construction stormwater program. Two major things are driving these changes. First we have the recent issue of a new KDHE general permit. The updated regulations in the permit required some significant modifications to our specifications and to our construction practices. Two projects in the October letting and all projects beginning with the November letting include these updated specifications.

As you review the latest revisions (15-PS0360-R2 and 15-9002-R2) the biggest changes you will notice are in the inspection requirements. The new requirements can be somewhat confusing so it is very important for all of us to carefully read through them and understand what the requirements are.

We have taken a simplified approach to the routine inspection requirements. Under the new specifications, an inspection (either scheduled or post-event) is required at least once every 14 days. Some people have pointed out that this may result in slightly more inspections than the "monitoring period" approach described in the permit but we believe that this simplification will be easier for inspectors to track and reduce the risk of missed inspections.

While the routine inspection requirements are simplified, the post-rainfall inspection requirements are rather more complicated. The old language requiring an inspection "within twenty-four hours of a precipitation event which results in a precipitation of 0.5 inches or greater" has been replaced with a more structured approach based on scheduled measurement of daily rainfall.

With this new approach, daily measurement of rainfall amounts is key. At a minimum, a rainfall total (which may be 0.0") for each business day must be recorded. Sites which are able to utilize a weather station should log the total rainfall for each calendar day. The majority of our projects using on-site rain gauge readings may log the rainfall for each business day. When rainfall occurs over non-business days (i.e. holidays or weekends) that rainfall is measured in the gauge on the next business day.

Based on the measured rainfall, there are two possible triggers for a required inspection. First, an inspection is required following any single measurement of 0.5 inches or greater. The other trigger is any two consecutive measurements which total 0.5 inches or greater when the first measurement is less than 0.5 inches.

One welcome piece of news with the 2017 permit is that the post-event inspections are no longer required to be completed on weekends, established federal holidays or the day after Thanksgiving. In the special provisions, you will see that these post-event inspections are required to be completed by the end of the next business day following the day of the qualifying rain event.

To better explain what all this means, it may be helpful to look at some example rainfall logs. See below for imaginary Project A. Project staff check the rain gauge every morning at approximately 7:30 AM. Contractor works M-F so no gauge readings are taken over the weekends.

(continued)

Day	Date	Rainfall (inches)	Inspection Required?	Inspection Due by
Monday	12/4/2017	0.5	Yes	12/5
Tuesday	12/5/2017	0		
Wednesday	12/6/2017	0.3		
Thursday	12/7/2017	0.2	Yes	12/8
Friday	12/8/2017	0.3	Yes	12/11
Saturday	12/9/2017	n/a		
Sunday	12/10/2017	n/a		
Monday	12/11/2017	0.3	Yes	12/12
Tuesday	12/12/2017	0		

On Project B, rainfall is measured by a weather station in close proximity to the project so data is available every day.

Day	Date	Rainfall (inches)	Inspection Required?	Inspection Due by
Monday	12/4/2017	0.5	Yes	12/5
Tuesday	12/5/2017	0		
Wednesday	12/6/2017	0.3		
Thursday	12/7/2017	0.2	Yes	12/8
Friday	12/8/2017	0.3	Yes	12/11
Saturday	12/9/2017	0.1		
Sunday	12/10/2017	0.1		
Monday	12/11/2017	0.1		
Tuesday	12/12/2017	0		

As you can see in these two examples, the total rainfall received at each project is the same but the number of inspections required is different. It is very important to pay attention to the consecutive measurement totals, especially if taking measurements on business days only. I recommend daily measurement and recording when it is feasible to do so.

Please make sure you pay close attention to these new requirements and ask questions if you need additional clarification.



### **EIT / EMT Classes**

A schedule has been set for EIT and EMT classes through the KDOT CIT program. Classes are currently planned for March 19-20, March 21-22, April 30-May 1, May 2-3 and June 6-7, 2018. Registration is online and open for these sessions. Visit <http://citksu.com> for details and to register.

The Kansas Contractors Association (KCA) also sponsors classes. Classes are tentatively scheduled for February 7-8, 2018. Contact the KCA for details and registration.

Everyone should review their recertification dates and enroll in the appropriate classes to ensure that certifications do not lapse. Classes may be canceled due to insufficient enrollment so please register early.



### **KDHE General Permit**

Ongoing projects authorized under the 2012 General Permit may continue to operate under those permit conditions until February, 2019. Ongoing projects may transition to the new permit conditions according to procedures which have been sent to the Area and Metro Engineers. At a minimum, this transition requires a thorough review and update of the SWPPP documents to ensure compliance with the new permit. Please contact Jason with any questions.

### **Consent Decree Update**

KDOT has requested termination of the 2013 Consent Decree. Please remember this process will take some time and all of the requirements remain in full effect until termination is final. We have been working on several modifications to our permit compliance program for implementation once the decree is terminated. As changes occur or as new information is available notifications will be sent out to keep you all informed. In the meantime, please keep up the good work and let Jason know immediately if there are any stormwater related problems on your projects.

### **Stormwater Update Online**

This issue and all past issues of this quarterly bulletin are available online at KDOT's Stormwater website: <http://www.ksdot.org/burconsmain/Connections/swppp.asp>

Contact Jason Van Nice ([jason.vannice@ks.gov](mailto:jason.vannice@ks.gov)) for questions, comments or suggestions for future content.