

Storm Weather

There is a need to have a designated storm watcher. His or her duties shall include, but not be limited too,

1. Daily monitoring of the weather for storm events that meet the criteria that is needed for sampling stormwater at the Bluegrass Community Technical College sampling site.
 - a. A daily log of historical precipitation shall be maintained until sampling project is completed.
2. The storm event shall
 - a. Be preceded by at least twenty-four hours of no greater than trace precipitation.
 - b. Have an intensity of at least 0.1 inches of rainfall (depth) of rain in a twenty-four hour period.
3. The storm watcher shall check a minimum of three forecasts twice daily (morning and evening) until the desired amount of samples are collected.
 - a. Lexington TV stations www.wlex.tv.com/
www.wtvq.com/midatlantictvq/about.html
 - b. National Weather Service www.nws.noaa.gov/
 - c. NOAA www.noaa.gov/
4. In the event the storm watcher cannot perform their duty, they shall immediately contact a scheduled alternate storm watcher. (See attached phone list).
5. Notify the sampling crew as soon as there is evidence of a likely or highly likely storm event and verify the crew will be able to sample. (See attached phone list).

Likely- will be defined as 50-80% chance of precipitation with the intensity to produce a minimum 0.1 inches of rain in a 24 hour period.

Highly likely- will be defined as greater than 80% chance of precipitation with the intensity to produce a minimum of 0.1 inches of rain in a 24 hour period. This does not mean that the rainfall must last for a full 24 hours, only that from the time it begins raining to the time that you stop sampling, the rainfall be of the recommended intensity or greater. To determine intensity you should observe and record the time it began raining as well as the time you stopped sampling. What the storm does after you stop sampling is of no concern. A rain gauge or data from (NOAA) National Oceanic Atmospheric Administration will provide the rest of the information needed to make this calculation using dimensional analysis. This analysis will determine if your storm event met the recommended criterion. EX. 0.01 inches/ 55 minutes would = 0.26 inches / 24 hours this measurement of the intensity would be acceptable as it is greater than 0.1 inches/24 hours. Monitoring of a standard rain gauge at the sampling site from the beginning of the storm event for a period of twenty-four hours could also be used as an alternative for determining intensity. Data from local monitoring stations close to the sampling site may also be used and will be used to gather historical data.

Note:

The local monitoring station website is <http://english.wunderground.com/cgi-bin/findweather/getForecast?query=40506&theprefset=SHOWMETAR&theprefvalue=METAR> (Beaumont and Monticello).

Phone List

Jessica	859-492-4060	
Kyle	859-333-6079	
Drew	859-512-3195	
Paul	859-824-6388	
Becky	859-223-9816	Cell phone 333-6724
Gary	859-625-8620	
Karika	859-559-4174	
Tracy	859-333-8504	
Jean	home; 276-1253 Wk: 264-6448 Cell: 221-4608	