303 (D) LIST INFORMATION

DUE DATE: This list is due to the EPA every two years. Arkansas is diligent (and surpass most states) in making sure that our list is submitted before the deadline. This year's list is due to the EPA by April 1, 2016.

PERIOD OF RECORD: In compiling this year's list, we may only consider data generated from April 1, 2010, through March 31, 2015.

CATEGORY RANKING: After evaluating the data, along with the appropriate standard (a higher standard is applied to Exceptional Resources Waters), we then categorize the water body as one of the following:

Category 1: Attains all water-quality standards

Category 2: Not applicable (Category 2 is exclusively for states who have adopted a multi-category assessment approach, which Arkansas does not use. Although the EPA made this option available, most states do not use this approach of assessment, including all of the states in our Region.)

Category 3: Insufficient data and information to determine if water-quality standards are being obtained.

Category 4: Data proves that water-quality standards are not obtained, but no TMDL is required because:

a) a TMDL has already been done

b) there is a program in place that shows attainment is within reach, or a permit in place could be changed to correct the impairment

c) the impairment is caused by natural conditions

Category 5: Impaired

STANDARD: There are four bacteria (e-coli) standards to be applied, depending on whether the water body is listed as an Extraordinary Resource Waters (ERW) and whether the sample was taken during the **primary** season (May 1–September 30) or the **secondary** season (October 1–April 30). These are the designated Extraordinary Resource Waters in Arkansas:

Current River (OH-4)
Eleven Point River (OH-4)
Strawberry River (OH-3, OH-4)
Little Strawberry River (OH-3)
Spring River, *including its tributaries: Field Creek, Big Creek, English Creek, Gut Creek and Myatt Creek (OH-4)*
South Fork Spring River (OH-3, OH-4)

North Sylamore Creek (OH-3)
Buffalo River (OH-2, OH-3)
Kings River (OH-2)
Bull Shoals Reservoir (OH-2, OH-3)

The Extraordinary Resource Waters sampling standard for bacteria (e-coli) in the **Buffalo River** is:

primary season:	**298 colonies/100 ml**
secondary season:	**1490 colonies/100ml**

The bacteria (e-coli) sampling standard for non-ERW listed tributaries (including **Mill Creek, Bear Creek**, and **Big Creek**) is:

primary season:	**410 colonies/100ml**
secondary season:	**2050 colonies/100ml**

BACTERIA (E-COLI) IMPAIRMENT STANDARD: If the sampling shows the standard is exceeded in more than **twenty-five percent (25%)** of the samples generated during the record period (*April 1, 2010, through March 31, 2015*), the water is deemed Category 5 (impaired). However, in order to support an impairment classification, the data used must be from a certified lab; represent at least three (3) seasons; and each season must contain at least eight (8) samples; and must represent over two (2) years of data.

DATA CONSIDERED: We consider our own ADEQ data, plus data generated from the Arkansas Health Department, the University of Arkansas, and the United States Geological Survey. We also consider data generated by the National Park Service. However, because the National Park Service did not become a certified lab until March of 2016, we may not consider data obtained by the National Park Services before March 2016 for Category 5 (impaired) purposes. However, the data can be considered for Category 3 purposes.

BUFFALO RIVER BACTERIA (E-COLI) NUMBERS FOR THIS REPORTING PERIOD:

Buffalo River Combined Sampling Result: *08.4%
primary:	119 samples/10 exceed	(5 of 10 exceeds are overlapping days)
secondary:	159 samples/ 0 exceed	

-location (1) Sampling (08.2%)
primary:	61 samples/5 exceed (7-7-13; 5-13-14; 5-14-14; 6-9-14; 6-25-14)
secondary:	78 samples/0 exceed

-location (2) Sampling (08.6%)
primary:	58 samples/5 exceed (5-13-14; 5-14-14; 5-14-14; 6-9-14; 6-25-14)
secondary:	81 samples/0 exceed

*Buffalo River's bacteria level is 16.6% _below_ the Extraordinary Resource Waters standard