

# **EXHIBIT F-Addendum**

## **Addendum to McGeorge's “Use Attainability Analysis Report” (UAA Report)**

# **ADDENDUM USE ATTAINABILITY ANALYSIS REPORT**

## **MINE SITE DISCHARGE TO AN UNNAMED TRIBUTARY OF WILLOW SPRINGS BRANCH**

### **LITTLE ROCK, ARKANSAS**

**September 24, 2009**

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ADDENDUM  
USE ATTAINABILITY ANALYSIS REPORT

MINE SITE DISCHARGE TO  
AN UNNAMED TRIBUTARY OF  
WILLOW SPRINGS BRANCH

LITTLE ROCK, ARKANSAS

Prepared for

McGeorge Contracting Company, Inc.  
1425 Shamburger Lane  
Sweet Home, AR 72164

Prepared by

FTN Associates, Ltd.  
3 Innwood Circle, Suite 220  
Little Rock, AR 72211

FTN No. 6470-061

September 24, 2009

This document is to provide clarification of the proposed criteria changes found in: Use Attainability Analysis Report: Mine Site Discharge to an Unnamed Tributary of Willow Springs Branch (Prepared for McGeorge Contracting Company, Inc., 1425 Shamburger Lane, Sweet Home, AR 72164; Prepared by FTN Associates, Ltd., 3 Innwood Circle, Suite 220, Little Rock, AR 72211, FTN No. 6470-061, August 3, 2009).

The intent of the report and study was to develop site-specific water quality criteria (WQC) for the appropriate receiving streams. These WQC were developed using flows measured during the low-flow field survey. The default upstream flow of 4 cfs per ADEQ's Mineral Implementation Policy (January 2000 Continuous Planning Process, Appendix D) was not used to develop the proposed WQC.

In addition, because the UAA study does not propose the removal of the Domestic Water Supply Use from any of the waterbodies, the Human Health based sulfate criterion of 250 mg/L sulfate becomes the limiting criterion. Accordingly, Tables ES.1 and 8.1 should be revised to reflect that the proposed sulfate criterion for McGeorge Creek to its confluence with Willow Springs Branch is to be 250 mg/L, as provided in the tables below.

Revised Table ES.1. Summary of proposed WQC changes.

Waterbody	Proposed Mineral Criteria (values after mixing)	
	Sulfate (mg/L)	TDS (mg/L)
McGeorge Creek to confluence with Willow Springs Branch	250	432
Willow Springs Branch between confluences with McGeorge Creek and Little Fourche Creek	112	247
Little Fourche Creek between confluences with Willow Springs Branch and Fourche Creek	No Change	179
Fourche Creek below confluence with Little Fourche Creek	No Change	No Change

Revised Table 8.1. Summary of proposed WQC changes.

Waterbody	Mineral Criteria			
	Sulfate (mg/L)		TDS (mg/L)	
	Existing	Proposed	Existing	Proposed
McGeorge Creek to confluence with Willow Springs Branch	41.3	250	138	432
Willow Springs Branch between confluences with McGeorge Creek and Little Fourche Creek	41.3	112	138	247
Little Fourche Creek between confluences with Willow Springs Branch and Fourche Creek	41.3	No Change	138	179
Fourche Creek below confluence with Little Fourche Creek	17.3	No Change	112.3	No Change