

Water Supply Protection Plan
Prepared for: CSX Druffin, KY Derailment
Date: February 14, 2020

Purpose and Scope

The following plan has been developed to outline the approach for water supply protection during recovery activities which have the potential for secondary releases of ethanol or diesel fuel. The recovery phases and water supply protection actions are described below.

Phase I Activities

Phase I activities consist of all activities involving non-ethanol affected soil and debris.

Phase I Water Supply Protection Actions

Based on the low risk nature of these activities, no water supply protection actions are recommended.

Phase II Activities

Phase II activities consist of all activities involving or potentially involving ethanol affected soils and debris as well as continuous secondary releases.

Phase II Water Supply Protection Actions

During Phase II activities, water supply protection actions will consist of the following:

- Continuous visual monitoring of activities;
- Collection of surface water samples from the "Bridge" sampling location and Mountain water intake every 4 hours;

If during Phase II activities, a continuous secondary release of ethanol or diesel fuel occurs, the following actions will be implemented immediately:

- Collect surface water samples from "Bridge" sampling location and Mountain water intake;
- Notify KDEP and provide surface water samples for analysis;
- KDEP will evaluate surface water sample results and advise on downstream intake closures;
- KDEP will communicate their recommendations to the plants and Unified Command;
- Notify Unified Command of the secondary release and actions taken in response.

Supplemental Information

Water Supply Facility	Downstream Travel Time from Incident (Hours)	River Miles from Incident	Notes
Mountain	1.3	3.3	Max shut down time 5 hrs
Pikesville	4.5	17.2	
Southern	10.3	---	
Prestonberg	12.3	47.6	
Louisa	31.2	104.6	
Ashland	41.0	133.0	

*- Travel times based on velocity calculated on 2/13 for travel time to intakes

Authorization

Signature [Redacted] Date 15 Feb 2020

Affiliation/Agency US EPA

Signature [Redacted] Date 15 Feb 2020

Affiliation/Agency KY DEP

Signature [Redacted] Date 2/15/20

Affiliation/Agency CSX REMEDIATION

Signature [Redacted] Date 2/15/20

Affiliation/Agency CSX

Signature [Redacted] Date 2/15/20

Affiliation/Agency UMG - City of Pikeville

Authorization

Signature  Date 2-15-20

Affiliation/Agency Mountain Water District

Signature _____ Date _____

Affiliation/Agency _____

Signature _____ Date _____

Affiliation/Agency _____

Signature _____ Date _____

Affiliation/Agency _____

Signature _____ Date _____

Affiliation/Agency _____