

## DRAFT FINDING OF NO SIGNIFICANT IMPACT

### Martin County Water District Water System Improvements Project Martin County, Kentucky

The U.S. Army Corps of Engineers, Huntington District (Corps) has conducted an environmental analysis in accordance with the National Environmental Policy Act of 1969, as amended. The Environmental Assessment (EA) dated **DATE OF EA**, for the Martin County Water District Water System Improvements Project addresses the existing water distribution system which is experiencing poor water quality, quantity, and reliability due to inadequate maintenance, replacement, improvement, and mismanagement of the municipal water system in Martin County, Kentucky. The need for extending and replacing the water distribution system in the proposed area is to provide residents with a reliable and safe water service.

The Final EA, incorporated herein by reference, evaluated various alternatives that would provide residents with reliable safe water service in the study area. Section 3.0 of the EA discusses the proposed action and alternatives and the proposed action alternative includes:

- Purchase of one 400 Hp pump and one 600 Hp pump; installation of 19,600 linear feet of 6-inch ductile iron water main, 15,300 linear feet of  $\frac{3}{4}$  inch PE service line, and new meter settings (510  $\frac{5}{8}$  inch by  $\frac{1}{4}$  inch) in the areas of Beauty, Lovely, and Warfield, Kentucky; and improvements to the RWI facility located along Turkey Creek Road, and the WTP located along KY 292. The pumps would be purchased with Abandoned Mine Lands (AML) funds. The 400 Hp pump would be utilized until future electrical and structural modifications at the RWI facility are complete, and then the 600 Hp pump would become the primary pump. Directional bore crossings would occur during construction of the waterlines. Construction of the project elements would be within areas previously disturbed by coal mining operations, road construction, utility installation and/or house seat/commercial development. Following construction, all areas would be returned to preexisting conditions through soil grading and seed planting.

#### SUMMARY OF POTENTIAL EFFECTS:

For all alternatives, the potential effects to the following resources were evaluated, as appropriate. The evaluation of effects was focused on key resources affected by the proposed alternatives. A summary assessment of the potential effects of the Proposed Action Alternative are listed in Table 1:

**Table 1: Summary of Potential Effects of the Proposed Action**

Resource	Insignificant effects	Insignificant effects as a result of mitigation	Resource unaffected by action
Aesthetics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic resources/wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invasive species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fish and wildlife habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Threatened/Endangered species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic properties	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other cultural resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Floodplains	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous, toxic & radioactive waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Land use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Noise levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public infrastructure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Socio-economics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental justice	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tribal trust resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prime and Unique Farmland	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wild and Scenic Rivers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

All practical means to avoid or minimize adverse environmental effects were analyzed and incorporated into the Proposed Action Alternative. Best management practices (BMPs) as detailed in the EA will be implemented to minimize impacts. For additional details of the proposed action alternative, see Section 4.0 of the EA.

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the U.S. Army Corps of Engineers determined that the recommended plan will have no effect to the following federally listed species or their designated critical habitat: Indiana bat, Northern long-eared bat, or Gray bat. In addition, the recommended plan may affect, but is not likely to adversely affect, the following federally listed species or their designated critical habitat: Big Sandy crayfish. The U.S. Fish and Wildlife Service (FWS) concurred with the Corps' determination on **DATE OF CONCURRENCE LETTER**.

Pursuant to section 106 of the National Historic Preservation Act of 1966, as amended, the U.S. Army Corps of Engineers determined that historic properties would not be adversely affected by the recommended plan. The Kentucky State Historic Preservation Office (KYSHPO) concurred with the determination on 18 December 2019.

A water quality certification pursuant to section 401 of the Clean Water Act will be obtained from the Kentucky Division of Water (KYDOW) prior to construction. In a letter dated 16 May 2018, the KYDOW stated that the recommended plan appears to meet the requirements of the water quality certification, pending confirmation based on information to be developed during the pre-construction engineering and design phase. All conditions of the water quality certification will be implemented in order to minimize adverse impacts to water quality.

A 30-day public, state, and agency review of the Draft EA and FONSI was completed on DATE. All comments submitted during the public review period were responded to in the Final EA and FONSI.

Technical, environmental, economic, and cost effectiveness criteria used in the formulation of alternative plans were those specified in the Water Resources Council's 1983 Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies. All applicable laws, executive orders, regulations, and local government plans were considered in evaluation of alternatives. Based on these report, the reviews by other Federal, State and local agencies, Tribes, input of the public, and the review by my staff, it is my determination that the recommended plan would not significantly affect the human environment; therefore, preparation of an Environmental Impact Statement is not required.<sup>1</sup>

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Date

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Jason A. Evers, PE, PMP  
Colonel, Corps of Engineers  
District Commander