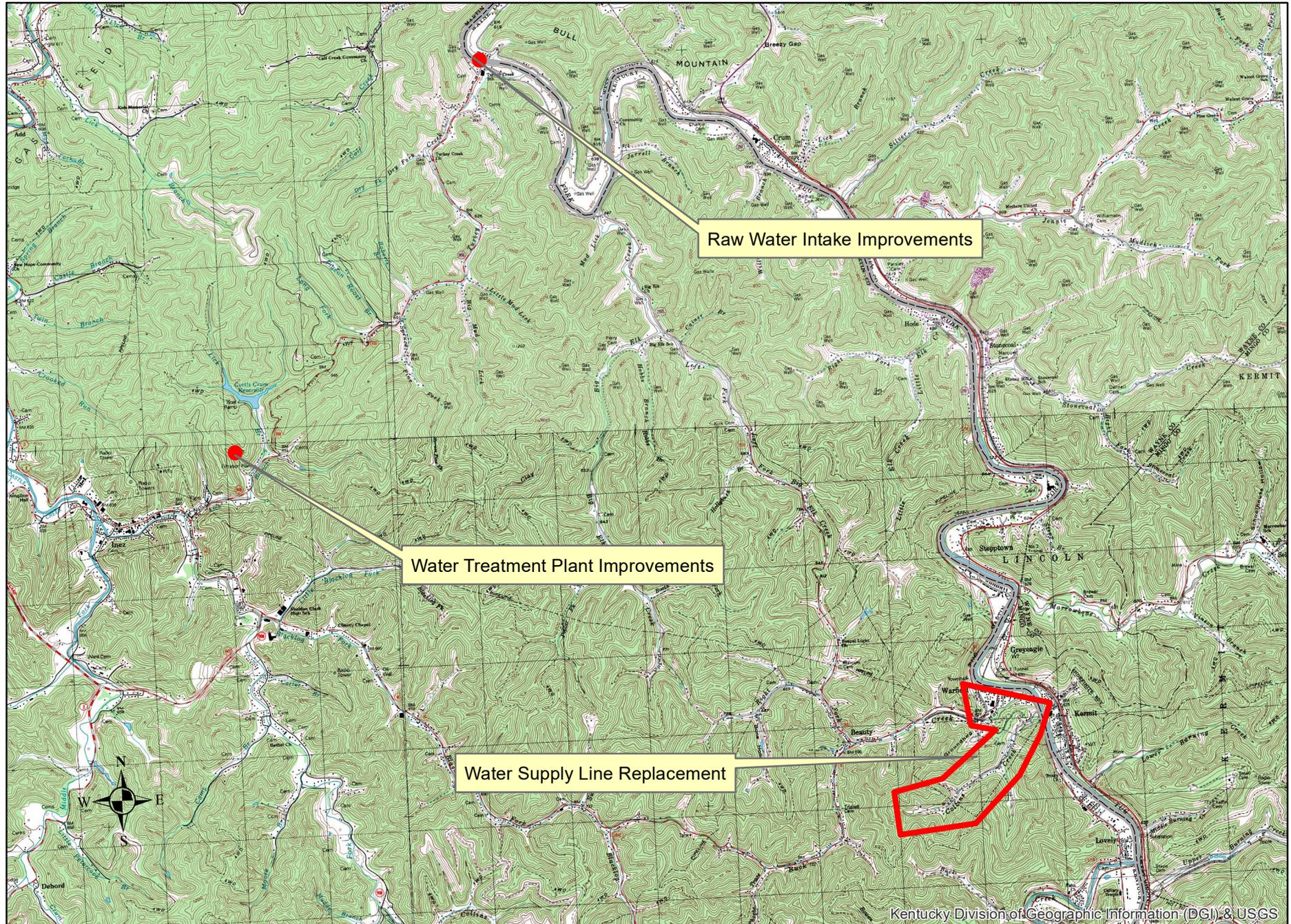


APPENDIX A

EXHIBITS

Water System Controls & Raw Water Modifications AML Pilot and Water Supply Project Martin County



APPENDIX B
AGENCY CORRESPONDENCE

Overman, Charles W (EEC)

From: Howell, Ryan (EEC)
Sent: Friday, May 15, 2020 7:36 AM
To: Overman, Charles W (EEC)
Cc: Rader, Timothy E (EEC)
Subject: FW: KYOSA Data P262101 (Water System Controls & Raw Water Modifications)
Attachments: P262101.pdf

****CAUTION** PDF attachments may contain links to malicious sites. Please contact the COT Service Desk ServiceCorrespondence@ky.gov for any assistance.**

Attached are the findings for the OSA review of the Water System Controls & Raw Water Modifications AML Pilot and Water Supply Project.

Thanks,
Ryan

From: KY Office of State Archaeology [mailto:ky-osa@uky.edu]
Sent: Thursday, May 14, 2020 9:07 PM
To: Howell, Ryan (EEC) <Ryan.Howell@ky.gov>
Subject: KYOSA Data P262101

****CAUTION** PDF attachments may contain links to malicious sites. Please contact the COT Service Desk ServiceCorrespondence@ky.gov for any assistance.**

Here are the data you requested from the Kentucky Office of State Archaeology. If you have any problems or questions about this request please contact us at ky-osa@uky.edu

Kentucky Office of State Archaeology

University of Kentucky

1020A Export Street
Lexington, KY 40506-9854
T: (859)257-1944
F: (859)323-9866
ky-osa@uky.edu

Kentucky Office of State Archaeology
University of Kentucky, 1020A Export Street, Lexington, KY 40506
Phone:859-257-1944 Fax:859-323-9866 email:ky-osa@uky.edu

**Confidential Information
Not for Public Release**

Preliminary Records Review Coversheet

Date Request Processed: 5/14/2020

Preliminary Review Number: P262101

Paid via: Check (Check No.:)

Credit Card (Transaction ID: 1487431004)

If you have any questions, please contact KyOSA at (859)257-1944 or ky-osa@uky.edu.

Kentucky Office of State Archaeology

University of Kentucky, 1020A Export Street, Lexington, KY 40506

Phone:(859)257-1944 Fax: (859)323-9866 Email: ky-osa@uky.edu

Confidential Information; Not for Public Release

P262101

Water System Controls & Raw Water Modifications

AML Pilot and Water Supply Project

This report includes only previously recorded archaeological resources within your project area and its immediate vicinity and may not be exhaustive of all archaeological resources actually present. This information does not constitute Section 106 consultation or 'clearance' from the KHC/SHPO.

Date Request Filled: 05/14/20

There are no previously recorded archaeological sites within your project area or an additional 30 m buffer.

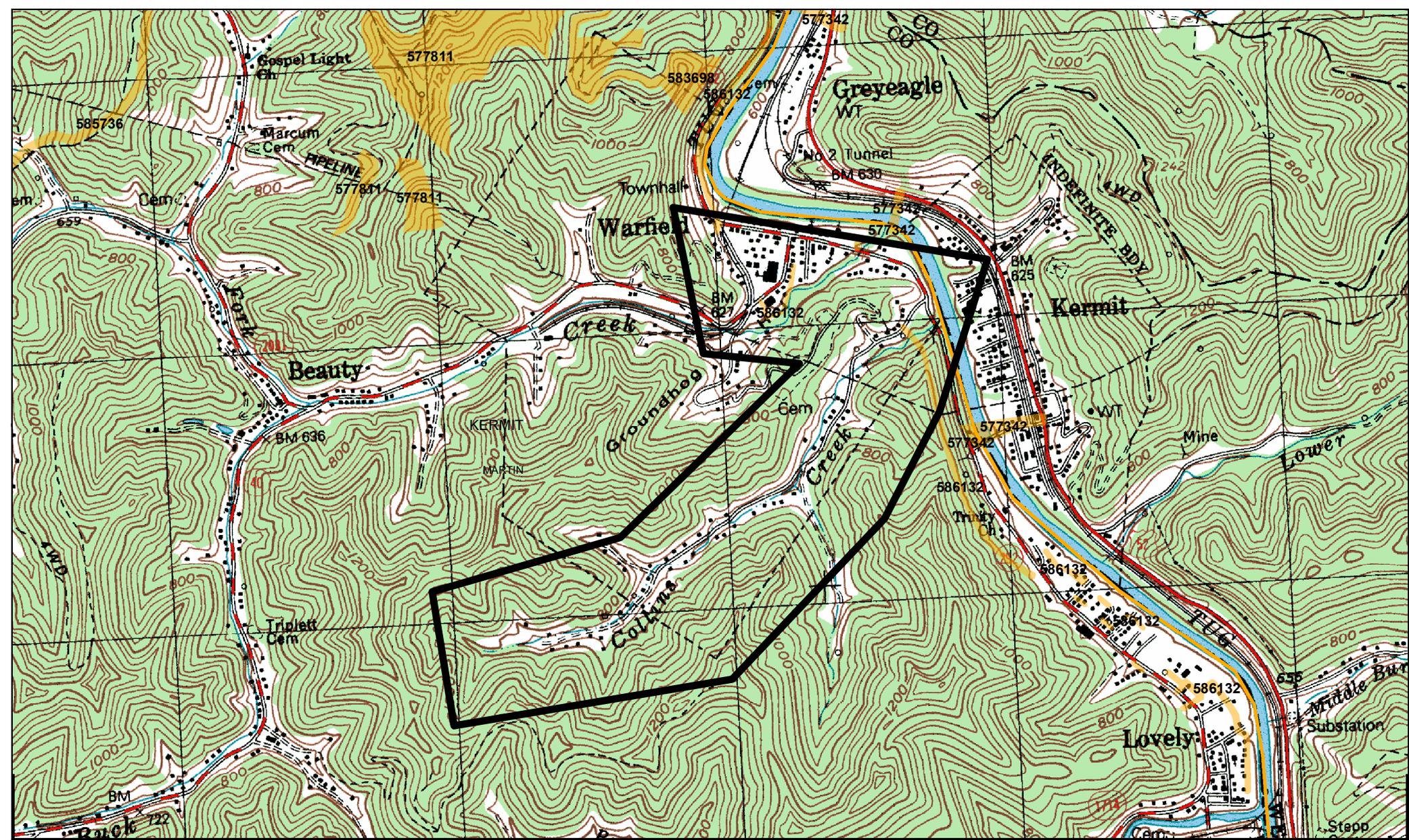
080-004 577342 1982 Fiegel, Kurt H.

A Report of Archaeological Investigations for the Proposed Bridge over Tug Fork, Martin County, Kentucky and Mingo County, West Virginia

080-090 586132 2010 Case, Ken and Richard Herndon

A Cultural Resource Survey of the Proposed Tug Valley Wastewater Treatment Plant and Sanitary Sewer in Martin County, Kentucky

There are no previously recorded archaeological sites or surveys within the Water Treatment Plant or Raw Water Intake Improvement project areas, or an additional 30 m buffer



-  Project Area Submitted to OSA
-  Previous Archaeological Survey Boundaries
-  Phase 2 & 3 Archaeological Surveys

Note: Archaeological Site Locations NOT Shown



P262101

**Water System Controls & Raw Water Modifications
AML Pilot and Water Supply Project**

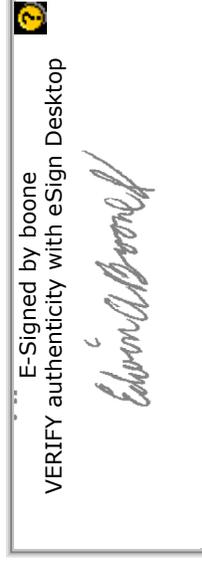
**Kentucky Office of State Archaeology
University of Kentucky, 1020A Export Street, Lexington, KY 40506
phone: 859-257-8207 email: ky-osa@uky.edu**

Confidential Information: Not for Public Release

MEMORANDUM

To: Water System Controls & Raw Water Modifications AML Pilot and Water Supply Project file

From: Edwin A. Boone, Jr.; Environmental Scientist IV; Project Management Branch, Staff Biologist



Through: Tim Rader; Branch Manager; Program Development Branch

Re: Results of Kentucky Nature Preserves (KNP) database search

Date: March 9, 2020

On Wednesday, March 4, I conducted a search of the KNP database in order to determine if any species that are monitored by the KNP are known to occur within the near vicinity (a 1 mile radius) of any of the site to be disturbed by this project, and if any federally listed threatened and endangered species are known to occur within the general area (a 10 mile radius) of these sites. These searches revealed that no species of state concern monitored by the KNP occur within one mile, and that one federally listed threatened and endangered species is known to exist within ten miles of the project site. The species noted in these searches is:

- *Myotis septentrionalis* (Northern long-eared bat – USESA Listed Threatened)

In addition to the above species, the Kentucky Department of Fish and Wildlife Resources frequently returns comments for projects in this region stating that the American black bear (*Ursus americanus* – KNP Special Concern) is known to occur within one mile of such projects. Therefore, this species will also be discussed, below.

The proposed project consists of three work areas. Improvements to be made at the site of the existing water treatment plant include repairs to and rehabilitation of two clarifier/filter units, chemical feed piping, hatches to vaults, the installation of tube settlers, and the roof of the water treatment plant, as well as other miscellaneous tasks. This work will take place within the confines of an existing industrial site (water treatment plant).

Improvements at the site of the existing raw water intake include the construction of ramps and glides that will allow for the movement of two water intake pumps and their suction heads up and down the banks of the Tug Fork of the Big Sandy River, in order to provide for consistent adequate intake to the public water supply system. This work will also take place within the grounds of an existing industrial site.

Work on the water distribution system includes the replacement of nearly 4.2 miles of water supply lines with new piping that ranges from 8" to ¾" diameter, and the replacement of 171 residential water meters and connections. Water line replacement will take place within roadside right-of-way areas and residential lawns. All stream crossings will be accomplished through directional boring methods, eliminating any potential for stream disturbance. This project will not disturb any forested areas - specifically including any trees of over 3" diameter at breast-height (dbh), streams, caves or cave-like habitats (including underground mine openings and adits). Implementation of standard AML Best Management Practices on this site will prevent significant amounts of sediments from entering area streams as a result of project-related activities.

The Northern long-eared bat is a species of bat that hibernates in caves and similar habitats, and utilizes exfoliating bark on trees as small as 3" dbh, splits in broken limbs, and tree cavities as day-roost and maternity colony habitat. The project area is not within an area of "Known Habitat" of the Northern long-eared bat, and no caves or cave-like habitats will be subjected to disturbance. Construction of the project will also not result in the disturbance of trees. As this project will not result in the disturbance of any tenable habitat of this species, the Northern long-eared bat will not suffer a negative impact as a result of this project.

The entirety of the Commonwealth of Kentucky has been determined, by the United States Fish and Wildlife Service, to be the potential habitat of the Indiana bat (*Myotis sodalis* – USESA Listed Endangered). The Indiana bat establishes summer day roosts and brood colonies in trees with exfoliating bark and/or splits in limbs. In winter, it is known to utilize caves, and occasionally underground mine voids, as hibernacula. There were no known records of this species shown by the KNP database within 10 miles of any portion of the project. The nearest record to the raw water intake is located approximately 12.8 miles to the WNW. This same record is nearest to the water treatment plant, at 13.3 miles to the W. The nearest record to the

water supply line replacement portion of this project is located 16.6 miles SW of that corridor. Both of these records are noted as being of “Undetermined” type in the database, and are not the locus of any area of “Known Habitat” for the Indiana bat, as determined by the United States Fish and Wildlife Service (USFWS). No portion of the proposed project is not located within any area designated as “Known Habitat” of the Indiana bat by the USFWS. Construction of the project will not result in the disturbance of trees, and will also not result in the disturbance of any caves or cave-like habitats, such as underground mine adits or openings. Due to the lack of disturbance to any tenable habitat used by this species, this project will not cause any negative impact to the Indiana bat.

The American black bear is a true bear of moderate size. It is omnivorous and its only habitat requirement is woodlands, with a natural range formerly encompassing all woodland habitats of North America. As a result of this lack of specific/specialist habitat requirements, it is perhaps best considered as a woodlands generalist species. Normally shy of man and human activities, this species can be habituated to human presence, generally through access to high-calorie foodstuffs present in human garbage. It is perhaps worth noting that the proposed project is located well within that portion of the Commonwealth (consisting of seven quota-hunt zones) where small numbers of black bears are allowed to be harvested via annual quota hunts (with this year’s seasons allowing the harvest of up to 36 females per year, plus an unlimited number of males that may be harvested in each season/zone until the quota of females is met in that particular season/zone), which results in a lessening of intraspecific pressures that occasionally force younger bears (chiefly males) to migrate into areas of human population and/or activities, where hazardous interactions between bears and humans could occur. Martin County is within the area of “Zone 2 East”, where the harvest of up to 7 female bears was allowed through the course of three seasons (totaling 24 days of hunting). The fact of even limited hunting being allowed in the region would suggest that the “Special Concern” conservation status assigned this species by KNP is somewhat questionable in this area. Regardless of the permitting of and/or need for bear hunting within the region, specifically including Martin County, or the arguable applicability of the “Special Concern” conservation status assigned to this species –within the Appalachian region, due to the fact that this project will not disturb any forested habitats, this project will not cause any negative impact to the American black bear.

USFWS
"Known Habitat Areas"
of *Myotis septentrionalis*

Water System Controls and
Raw Water Modifications
AML Pilot and Water Supply Project

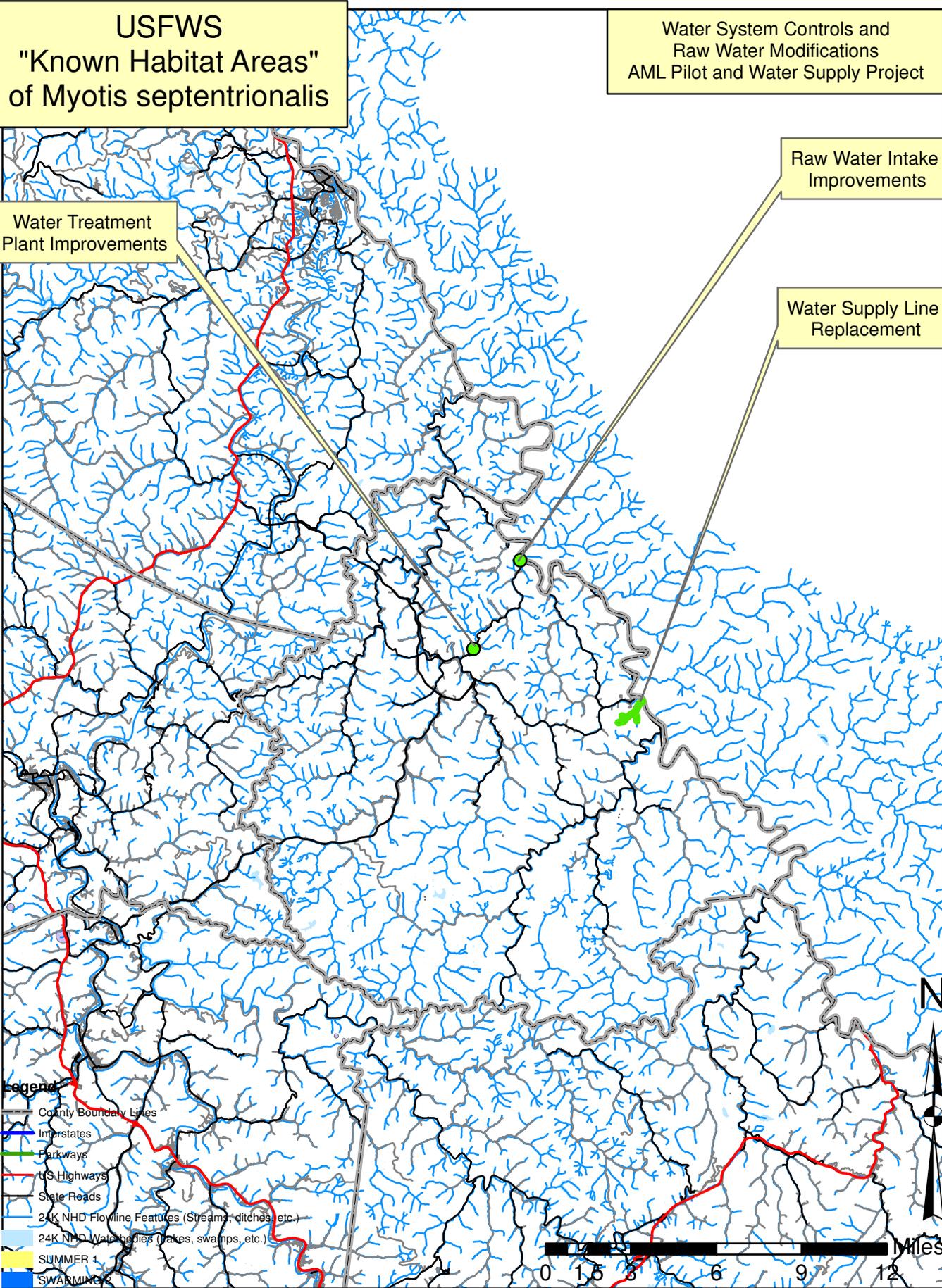
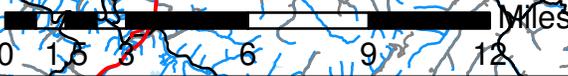
Raw Water Intake
Improvements

Water Supply Line
Replacement

Water Treatment
Plant Improvements

Legend

- County Boundary Lines
- Interstates
- Parkways
- US Highways
- State Roads
- 24K NHD Flowline Features (Streams, ditches, etc.)
- 24K NHD Water bodies (Lakes, swamps, etc.)
- SUMMER 1
- SWARMING 6



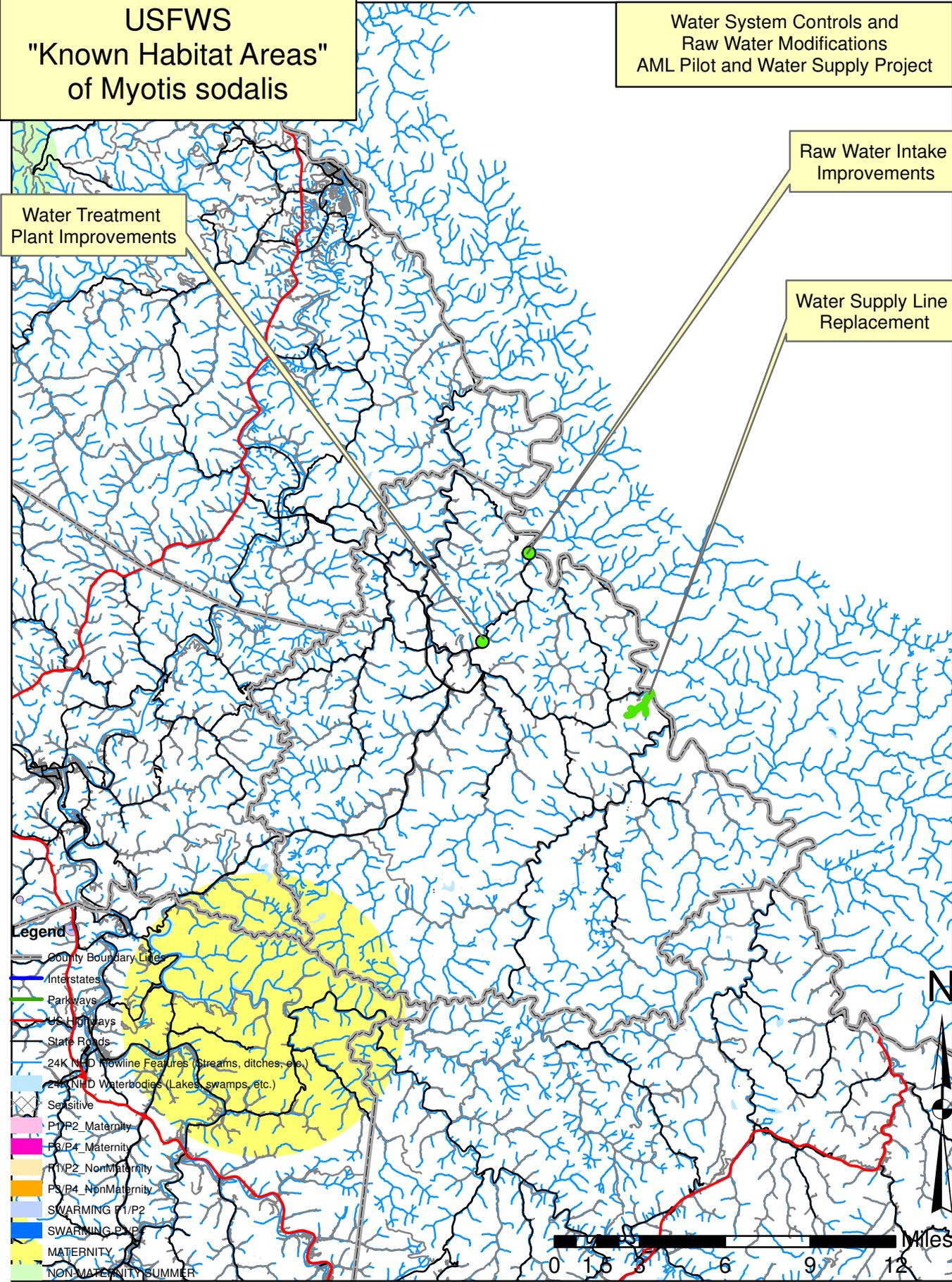
**USFWS
"Known Habitat Areas"
of *Myotis sodalis***

Water System Controls and
Raw Water Modifications
AML Pilot and Water Supply Project

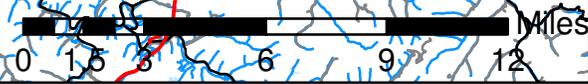
Raw Water Intake
Improvements

Water Supply Line
Replacement

Water Treatment
Plant Improvements



- Legend**
- County Boundary Lines
 - Interstates
 - Parkways
 - US Highways
 - State Roads
 - 24K NHD Flowline Features (Streams, ditches, etc.)
 - 24K NHD Waterbodies (Lakes, swamps, etc.)
 - Sensitive
 - P1/P2_Maternity
 - P3/P4_Maternity
 - P1/P2_NonMaternity
 - P3/P4_NonMaternity
 - SWARMING P1/P2
 - SWARMING P3/P4
 - MATERNITY
 - NON-MATERNITY SUMMER





**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES**

Andy Beshear
Governor

#1 Sportsman's Lane
Frankfort, Kentucky 40601
Phone (502) 564-3400
1-800-858-1549
Fax (502) 564-0506
fw.ky.gov

Mike Berry
Secretary

Rich Storm
Commissioner

March 5, 2020

Robert F. Scott, Director
Division of Abandoned Mine Lands
300 Sower Boulevard
Frankfort, KY 40601

RE: Water System Controls & Raw Water Modifications AML Pilot & Water Supply Project (Martin County)

Dear Mr. Scott:

The Kentucky Department of Fish and Wildlife Resources (KDFWR) has received your request for information pertaining to the subject project. The federally listed Northern Long-eared bat (*Myotis septentrionalis*), is known to occur within 10 miles of the project site. The state-listed species American black bear (*Ursus americanus*) is known to occur within one mile of the project site. There are no unique habitats within one mile of the project site. Please be aware our database system is a dynamic one that only represents our current knowledge of various species distributions.

According to the project description, no trees over 3" dbh will require removal. Erosion control measures will need to be installed prior to construction and be inspected and repaired regularly as needed.

I hope this information is helpful to you, if you have questions or require additional information, please call me at 502-892-4472.

Sincerely,

Doug Dawson
Environmental Section Chief

ANDY BESHEAR
GOVERNOR



REBECCA W. GOODMAN
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON
COMMISSIONER

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

April 27, 2020

Jimmy Kerr
Martin Co Water District
387 E Main St Ste 140
Inez, KY 41224

RE: WL Replacement in the Beauty and Lovely
Area
Martin County, KY
Martin Co Water District
AI #: 2987, APE20200002
PWSID #: 0800273-20-002

Dear Mr. Kerr:

We have reviewed the plans and specifications for the above referenced project. The plans include the construction of approximately 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines. This is to advise that plans and specifications for the above referenced project are APPROVED with respect to sanitary features of design, as of this date with the requirements contained in the attached construction permit.

If you have any questions concerning this project, please contact Michael Snyder at 502-782-1235.

Sincerely,

Terry Humphries, P.E.
Supervisor, Engineering Section
Water Infrastructure Branch
Division of Water

TH:MS
Enclosures

c: Bell Engineering
Martin County Health Department
Division of Plumbing

Distribution-Major Construction

Martin Co Water District

Facility Requirements

Activity ID No.:APE20200002

Page 1 of 5

PORT000000034 (WL Replacement in the Beauty and Lovely Area) 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines:

Narrative Requirements:

Condition No.	Condition
T-1	Construction of this project shall not result in the water system's inability to supply consistent water service in compliance with 401 KAR 8:010 through 8:600. [401 KAR 8:100 Section 5]
T-2	The public water system shall not implement a change to the approved plans without the prior written approval of the cabinet. [401 KAR 8:100 Section 4(3)]
T-3	A proposed change to the approved plans affecting sanitary features of design shall be submitted to the cabinet for approval in accordance with Section 2 of this administrative regulation. [401 KAR 8:100 Section 4(2)]
T-4	During construction, a set of approved plans and specifications shall be available at the job site. Construction shall be performed in accordance with the approved plans and specifications. [401 KAR 8:100 Section 3(1)]
T-5	Unless construction begins within two (2) years from the date of approval of the final plans and specifications, the approval shall expire. [401 KAR 8:100 Section 3(3)]
T-6	Upon completion of construction, a professional engineer shall certify in writing that the project has been completed in accordance with the approved plans and specifications. [401 KAR 8:100 Section 4(1)]
T-7	The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow. [Recommended Standards for Water Works 8.2.1, Drinking Water General Design Criteria IV.1.a]
T-8	Water lines should be hydraulically capable of a flow velocity of 2.5 ft/s while maintaining a pressure of at least 20 psi. [Drinking Water General Design Criteria IV.1.b]
T-9	The normal working pressure in the distribution system at the service connection shall not be less than 30 psi under peak demand flow conditions. Peak demand is defined as the maximum customer water usage rate, expressed in gallons per minute (gpm), in the pressure zone of interest during a 24 hour (diurnal) time period. [Drinking Water General Design Criteria IV.1.d]
T-10	When static pressure exceeds 150 psi, pressure reducing devices shall be provided on mains or as part of the meter setting on individual service lines in the distribution system. [Drinking Water General Design Criteria IV.1.c]
T-11	The minimum size of water main in the distribution system where fire protection is not to be provided should be a minimum of three (3) inch diameter. Any departure from minimum requirements shall be justified by hydraulic analysis and future water use, and can be considered only in special circumstances. [Recommended Standards for Water Works 8.2.2, Drinking Water General Design Criteria IV.2.b]

Distribution-Major Construction

Martin Co Water District

Facility Requirements

Activity ID No.:APE20200002

Page 2 of 5

PORT000000034 (WL Replacement in the Beauty and Lovely Area) 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines:

Narrative Requirements:

Condition No.	Condition
T-12	Water mains not designed to carry fire-flows shall not have fire hydrants connected to them. [Recommended Standards for Water Works 8.4.1.b]
T-13	Flushing devices should be sized to provide flows which will give a velocity of at least 2.5 feet per second in the water main being flushed. [Recommended Standards for Water Works 8.2.4.b, Recommended Standards for Water Works 8.4.1.b]
T-14	No flushing device shall be directly connected to any sewer. [Recommended Standards for Water Works 8.2.4.b, Recommended Standards for Water Works 8.4.1.b]
T-15	Pipe shall be constructed to a depth providing a minimum cover of 30 inches to top of pipe. [Drinking Water General Design Criteria IV.3.a]
T-16	Water mains shall be covered with sufficient earth or other insulation to prevent freezing. [Recommended Standards for Water Works 8.7]
T-17	A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe. [Recommended Standards for Water Works 8.7]
T-18	Water line installation shall incorporate the provisions of the AWWA standards and/or manufacturer's recommended installation procedures. [Recommended Standards for Water Works 8.7]
T-19	All materials used for the rehabilitation of water mains shall meet ANSI/NSF standards. [Recommended Standards for Water Works 8.1]
T-20	Packing and jointing materials used in the joints of pipe shall meet the standards of AWWA and the reviewing authority. [Recommended Standards for Water Works 8.1]
T-21	All tees, bends, plugs and hydrants shall be provided with reaction blocking, tie rods or joints designed to prevent movement. [Recommended Standards for Water Works 8.7]
T-22	All materials including pipe, fittings, valves and fire hydrants shall conform to the latest standards issued by the ASTM, AWWA and ANSI/NSF, where such standards exist, and be acceptable to the Division of Water. [Recommended Standards for Water Works 8.1]
T-23	Water mains which have been used previously for conveying potable water may be reused provided they meet the above standards and have been restored practically to their original condition. [Recommended Standards for Water Works 8.1]

Distribution-Major Construction

Martin Co Water District

Facility Requirements

Activity ID No.:APE20200002

Page 3 of 5

PORT0000000034 (WL Replacement in the Beauty and Lovely Area) 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines:

Narrative Requirements:

Condition No.	Condition
T-24	Manufacturer approved transition joints shall be used between dissimilar piping materials. [Recommended Standards for Water Works 8.1]
T-25	The minimum size of water main which provides for fire protection and serving fire hydrants shall be six-inch diameter. [Recommended Standards for Water Works 8.2, Drinking Water General Design Criteria IV.2.a]
T-26	Pipes and pipe fittings containing more than 8% lead shall not be used. All products shall comply with ANSI/NSF standards. [Recommended Standards for Water Works 8.1]
T-27	Gaskets containing lead shall not be used. Repairs to lead-joint pipe shall be made using alternative methods. [Recommended Standards for Water Works 8.1]
T-28	Pipe materials shall be selected to protect against both internal and external pipe corrosion. [Recommended Standards for Water Works 8.1]
T-29	Dead end mains shall be equipped with a means to provide adequate flushing. [Recommended Standards for Water Works 8.2]
T-30	The hydrant lead shall be a minimum of six inches in diameter. Auxiliary valves shall be installed on all hydrant leads. [Recommended Standards for Water Works 8.4.3]
T-31	A sufficient number of valves shall be provided on water mains to minimize inconvenience and sanitary hazards during repairs. [Recommended Standards for Water Works 8.3]
T-32	Wherever possible, chambers, pits or manholes containing valves, blow-offs, meters, or other such appurtenances to a distribution system, shall not be located in areas subject to flooding or in areas of high groundwater. Such chambers or pits should drain to the ground surface, or to absorption pits underground. The chambers, pits and manholes shall not connect directly to any storm drain or sanitary sewer. Blow-offs shall not connect directly to any storm drain or sanitary sewer. [Recommended Standards for Water Works 8.6]
T-33	At high points in water mains where air can accumulate provisions shall be made to remove the air by means of air relief valves. [Recommended Standards for Water Works 8.5.1]
T-34	Automatic air relief valves shall not be used in situations where flooding of the manhole or chamber may occur. [Recommended Standards for Water Works 8.5.1]

Distribution-Major Construction

Martin Co Water District

Facility Requirements

Activity ID No.:APE20200002

Page 4 of 5

PORT000000034 (WL Replacement in the Beauty and Lovely Area) 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines:

Narrative Requirements:

Condition No.	Condition
T-35	The open end of an air relief pipe from automatic valves shall be extended to at least one foot above grade and provided with a screened, downward-facing elbow. [Recommended Standards for Water Works 8.5.2.c]
T-36	Discharge piping from air relief valves shall not connect directly to any storm drain, storm sewer, or sanitary sewer. [Recommended Standards for Water Works 8.5.2.d]
T-37	Water pipe shall be constructed with a lateral separation of 10 feet or more from any gravity sanitary or combined sewer measured edge to edge where practical. If not practical a variance may be requested to allow the water pipe to be installed closer to the gravity sanitary or combined sewer provided the water pipe is laid in a separate trench or undisturbed shelf located on one side of the sewer with the bottom of the pipe at least 18 inches above the top of the gravity sanitary or combined sewer pipe. [Drinking Water General Design Criteria IV.3.b]
T-38	Water lines crossing sanitary, combined or storm sewers shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sanitary, combined or storm sewer with preference to the water main located above the sanitary, combined or storm sewer. [Drinking Water General Design Criteria IV.3.c]
T-39	At crossings, one full length of water pipe shall be located so both joints will be as far from the sewer as possible. [Recommended Standards for Water Works 8.8.3.b]
T-40	There shall be no connection between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system. [Recommended Standards for Water Works 8.10.1]
T-41	Water utilities shall have a cross connection program conforming to 401 KAR 8. [Recommended Standards for Water Works 8.10.1]
T-42	Installed pipe shall be pressure tested and leakage tested in accordance with the appropriate AWWA Standards. [Recommended Standards for Water Works 8.7.6]
T-43	New, cleaned and repaired water mains shall be disinfected in accordance with AWWA Standard C651. The specifications shall include detailed procedures for the adequate flushing, disinfection, and microbiological testing of all water mains. In an emergency or unusual situation, the disinfection procedure shall be discussed with the Division of Water. [Recommended Standards for Water Works 8.7.7]
T-44	A minimum cover of five feet shall be provided over pipe crossing underwater. [Recommended Standards for Water Works 8.9.2]

Distribution-Major Construction

Martin Co Water District

Facility Requirements

Activity ID No.:APE20200002

Page 5 of 5

PORT0000000034 (WL Replacement in the Beauty and Lovely Area) 450 LF of 3-inch DI, 525 LF of 8-inch DI, 490 LF of 3-inch PVC, 1,733 LF of 4-inch PVC, 6,513 LF of 6-inch PVC and 3,967 LF of 8-inch PVC waterlines:

Narrative Requirements:

Condition No.	Condition
T-45	Valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding for pipes crossing underwater. [Recommended Standards for Water Works 8.9.2.b]
T-46	Permanent taps or other provisions to allow insertion of a small meter to determine leakage and obtain water samples on each side of the valve closest to the supply source for pipes crossing. [Recommended Standards for Water Works 8.9.2.c]



MATTHEW G. BEVIN
GOVERNOR

DEPARTMENT FOR LOCAL GOVERNMENT
OFFICE OF THE GOVERNOR
1024 CAPITAL CENTER DRIVE, SUITE 340
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606/ TDD:711
WWW.kydlgweb.ky.gov

SANDRA K. DUNAHOO
COMMISSIONER

May 16, 2018

Mr. John Horn
Martin County Water District
387 East Main Street
Inez, KY 41224

RE: Water System Controls and Raw Water Modifications
WX21159009
SAI# KY201804020196
CFDA# 15.252

Dear Mr. Horn:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.03. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the eclearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-573-2382, ext. 274.

Sincerely,

Lee Nalley, SPOC
Kentucky State Clearinghouse

Attachment

Big Sandy ADD
Terry Trimble

Paul Kincheloe - Endorse with Comments no comment

Department of Housing, Buildings and Construction
Kevin Carlin

The Department of Housing Buildings and Construction, Division of Building Code Enforcement has no comments concerning the proposed project.

Division of Enforcement
Tim Harrod

The Division of Enforcement does not object to the project proposed by the applicant.
Tim Harrod, Enforcement Specialist, Division of Enforcement, Timothy.Harrod@ky.gov

Division of Water
Andrea Fredenburg

Best management practices should be utilized to reduce runoff from project construction activities into nearby waters.

Division of Water
Julia Harrod

A 'stream construction permit application' will need to be submitted to the Division of Water for further review of this project.
Okay Water Management Planning for mapping in the WRIS and Water Management Planning Council approval. The Water Withdrawal Permitting Section of the Division of Water needs to be contacted prior to commencement of raw water withdrawals to discuss the permitting of the new intake in the Tug Fork. Contact Edward.Zimmer@ky.gov or 502-782-7141.

Division of Water
Abba Pourghasemi

No objections to the proposed project. Plans and specifications along with hydraulic analysis of the proposed project must be submitted to the Division of Water's Water Infrastructure Branch by a registered professional engineer in Kentucky. Must contact Div of Water's Must receive a written approval from the Division of Water prior to the beginning of the construction. Also, must contact Division of Water's "Water Shed Management Branch" to ensure adequate water quantity available at the new location and justification shall be provided that new intake location is in compliance with DOW's Five-Mile Policy.

Division of Water

Jennifer Taimi

System should ensure that any deficiencies identified during the April 2017 Sanitary Survey have been remedied. In addition, recommendations made by the Division as a result of that survey, which have not already been implemented, are still highly advised.

DOW

Daniel Fraley

No comment

DOW

Wei Ji

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, it is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Wei Ji (502-782-6934) or the Section Supervisor David Jackson (502-782-6986).

Fish and Wildlife

Dan Stoelb

To minimize impacts to the aquatic environment the Kentucky Dept. of Fish & Wildlife Resources recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed. Please contact Dan Stoelb @ 502-564-7109 ex. 4453 or Daniel.Stoelb@ky.gov if you have further questions or require additional information.

KIA

Jocelyn Gross

This project was reviewed in the WRIS Portal by KIA staff.

KY Department for Environmental Protection

Ronald Price

This review is based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water lines and appurtenances. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY201804020196) when submitting plans and specifications.

This project is consistent with the Martin County Water Management Plan. It is approved for water management planning. It is approved for water withdrawal by the Water Quantity Management Section of DOW. The Water Withdrawal Permitting Section of the Division of Water needs to be contacted prior to commencement of raw water withdrawals to discuss the permitting of the new intake in the Tug Fork. Contact Edward.Zimmer@ky.gov or 502-782-7141. From the application data, DOW ascertains that the proposed project is located in a floodplain area; therefore, a floodplain construction permit is required for this project. Julia Harrod, Watershed Management Branch, (502) 782-6967, Julia.Harrod@ky.gov.

This project will include raw water intake modifications. A secondary intake will be added in the Tug Fork River providing redundancy. Piping, pumps, and controls will be upgraded to provide for the second intake. In addition to the second raw water intake, the raw water transmission main will be extended from the Crum Reservoir to the water treatment plant and a new reservoir intake structure will be constructed. The transmission main will be 3,500 linear feet of 16-inch ductile iron pipe. This project also includes installation of system wide telemetry supervisory control and data acquisition (SCADA) system.

There are no objections to the proposed project. Plans and specifications along with hydraulic analysis of the proposed project must be submitted to the DOW's Water Infrastructure Branch by a registered professional engineer in Kentucky. The applicant must receive a written approval from the DOW prior to the beginning of the construction. Also, must contact DOW's "Watershed Management Branch" to ensure adequate water quantity available at the new location and justification shall be provided that new intake location is in compliance with DOW's Five-Mile Policy. Abbas Pourghasemi, Water Infrastructure Branch, (502) 782-7041, Abbas.Pourghasemi@ky.gov.

The system should ensure that any deficiencies identified during the April 2017 Sanitary Survey have been remedied. In addition, recommendations made by the Division as a result of that survey, which have not already been implemented, are still highly advised. Jennifer Taimi, Water Infrastructure Branch, (502) 782-7087, Jennifer.Taimi@ky.gov.

Best management practices should be utilized to reduce runoff from project construction activities into nearby waters. Andrea Fredenburg, Water Quality Branch, (502) 782-6950, Andrea.Fredenburg@ky.gov.

No comment. Daniel Fraley, Compliance and Technical Assistance Branch, (606) 783-8655, Daniel.Fraley@ky.gov.

The Division of Enforcement does not object to the project proposed by the applicant. Tim Harrod, Division of Enforcement, (502) 782-6858, Timothy.Harrod@ky.gov.

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, it is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Wei Ji, Watershed Management Branch, (502) 782-6934, Wei.Ji@ky.gov.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Kentucky Division of Water supports the goals of EPA's Sustainable Infrastructure Initiative. This Initiative seeks to promote sustainable practices that will help to reduce the potential gap between funding needs and spending at the local and national level. The Sustainable Infrastructure Initiative will guide our efforts in changing how Kentucky views, values, manages, and invests in its water infrastructure. This website, www.epa.gov/waterinfrastructure/, contains information that will help you ensure your facility and operations are consistent with and can benefit from the aims of the Sustainable Infrastructure Initiative.

KY Heritage Council

Yvonne Sherrick

To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at <http://www.heritage.ky.gov/siteprotect/> . There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO. If you have any questions please contact Yvonne Sherrick, Administrative Specialist III, (502) 564-7005, Ext. 113, yvonne.sherrick@ky.gov.

Please note: If your project is funded through Transportation Alternative (TAP), Transportation Enhancements (TE), Congestion, Mitigation, Air Quality (CMAQ), or Safe Routes to School (SRTS) you will need to send this information to Michael Jones, Historic Preservation Program Administrator with the Kentucky Transportation Cabinet via email MichaelR.Jones2@ky.gov or hard copy to Michael Jones, Office of Local Programs, KY Transportation Cabinet, 200 Mero Street Frankfort, KY 40622. Do not send materials directly to SHPO if your project involves funding from these four sources as it will cause delays in the review process. Michael Jones will consult directly with the SHPO on projects with these funding sources to complete the Section 106 review.

KYTC DISTRICT 12

Samuel Hale

Any proposed work on KYTC right of way must be approved by the District 12 Permits office.



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE

MIKE BERRY
SECRETARY

410 HIGH STREET
FRANKFORT, KENTUCKY 40601
PHONE (502) 564-7005
FAX (502) 564-5820
www.heritage.ky.gov

CRAIG A. POTTS
EXECUTIVE DIRECTOR
& STATE HISTORIC
PRESERVATION OFFICER

December 18, 2019

Eric Ratliff
Big Sandy Area Development Dist.
110 Resource Ct.
Prestonsburg, KY 41653

Re: **Water System Controls & Raw Water Modifications, Inez, Martin Co., KY**

Dear Mr. Ratliff:

Our review indicates that the proposed project will not impact any properties or sites that are listed in or eligible for the National Register of Historic Places. The proposed project should not require an archaeological survey or cultural historic survey.

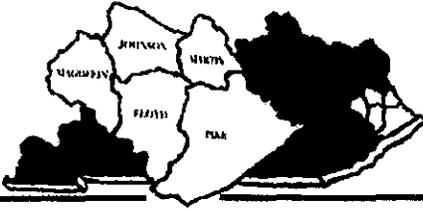
In the event that human remains are encountered during project activities, all work should be immediately stopped in the area. The area should be cordoned off, and in accordance with KRS 72.020 the county coroner and local law enforcement must be contacted immediately. Upon confirmation that the human remains are not of forensic interest, the unanticipated discovery must be reported to the Kentucky Heritage Council.

Should the project plans change, or should additional information become available regarding cultural resources or citizens' concerns regarding impacts to cultural resources, please submit that information to our office as additional consultation may be warranted. Should you have any questions, feel free to contact Nick Laracuate of my staff at nicolas.laracuate@ky.gov.

Sincerely,

Craig A. Potts,
Executive Director and
State Historic Preservation Officer

CP:nrl KHC #56450

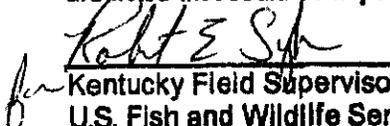


BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

December 4, 2019

Mr. Virgil Lee Andrews, Jr
Field Office Supervisor
US Department of the Interior
Fish and Wildlife Service
J.C. Watts Federal building
330 West Broadway, Suite 265
Frankfort, KY 40601

Significant impacts to federally-listed species are not likely to result from this project as currently proposed. Project re-coordination is needed if the project changes or if new species or critical habitats are listed that could be impacted by the project.


for Robert E. Syp 12/16/19
Kentucky Field Supervisor Date
U.S. Fish and Wildlife Service

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Mr. Andrews:

Martin County Water District is in the process of conducting an environmental review pursuant to the State Environmental Review Process for the US Army Corps of Engineers Section 531/Abandoned Mine Lands Programs. The purpose of the review is to assess the environmental impact of the abovementioned project. The project consist of rehabilitation and improvements to the existing Water Treatment Plant and Clarifier, existing Raw Water Intake Structure and the installation of new 6 inch PVC water main and appurtenances to replace the existing 6 inch water line that is in deteriorating condition.

These improvements are necessary to provide reliable potable drinking water on a consistent basis to its customers.

I have enclosed a map showing the proposed location of this Project. Since the Water District is making improvements to its existing Water Treatment Plant and Clarifier, existing Raw Water Intake Structure and replacing existing water main lines, we do not expect that this project will impact any threatened or endangered species. There will be no trees cut within the boundaries of this project. No stream crossings are anticipated at this time.

Please advise us of any concerns your office may have related to possible effects of the abovementioned project on any known archaeological or historical sites in the area. We would appreciate your response within 30 days, if possible. If you need any further information or wish to discuss the project, please contact me at 606-886-2374 ext 358 or Eric.Ratliff@bigsandy.org

Sincerely,



Eric Ratliff
Project Developer/Administrator

/enclosures

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER

1-800-648-6056 TDD 1-800-737-2723 (606) 886-2374 Fax (606) 886-3382 www.bigsandy.org



United States Department of Agriculture

Natural Resources Conservation Service
USDA Service Center
1000 Commonwealth Drive
Mayfield, KY 42066

June 28, 2019

Eric Ratliff
Big Sandy Area Development District
110 Resource Court
Prestonsburg, KY 41653

RE: MARTIN COUNTY WATER SYSTEMS IMPROVEMENT PROJECT

Dear Mr. Ratliff:

In response to your letter dated 6/24/2019 regarding the Martin County Water Systems Improvement Project, the Natural Resources Conservation Service (NRCS) has no congressional authority for conducting Environmental Assessments (EA).

NRCS is mandated to provide information on the soils and/or impact to farmland according to the Farmland Protection Policy Act (P.L. 97-98) for projects that will be utilizing federal monies.

Based on the information contained in your cover letter and accompanying map, no conversion of agricultural lands (*prime, unique, or farmland of local or statewide importance*) will occur or be negatively impacted by the proposed undertaking. Therefore, a CPA-106 is not needed, and we have no additional concerns at this time.

Best Wishes with the success of your project, and if we may be of additional assistance please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Perri Pedley".

Perri Pedley
Soil Scientist
Perri.Pedley@ky.usda.gov



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

December 18, 2019

Big Sandy Area Development District
Attn: Eric Ratliff
110 Resource Court
Prestonsburg, KY 41653

**Subject: Water System Controls and Raw Water Modifications – WX21159009
SAI# KY 2017804020196 CDFA# 15.252**

Mr. Ratliff,

Thank you for your coordination with District 12 concerning the proposed water system rehabilitation and improvement projects. After careful evaluation, District 12 has determined that there does not appear to be any current proposed transportation projects that will immediately interfere with the Martin County Water District's proposed projects. The Transportation Cabinet does have an ongoing design project for the reconstruction of KY 40, which currently does not have any funding for construction. Once Martin County has finalized the design plans and specifications, District 12 can once again review the proposed projects for any KYTC encroachments.

We greatly appreciate your coordination with District 12 on these proposed projects. District 12 would like to congratulate Martin County on receiving the necessary funding to support the rehabilitation and improvement projects to provide reliable potable drinking water to their customers.

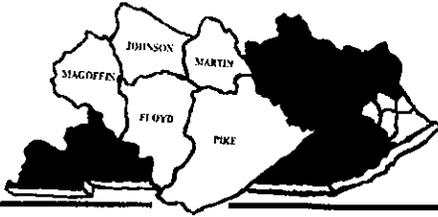
If you have any questions or concerns, please contact Jody Hunt of our Permits Section at (606) 433-7791.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mary Westfall-Holbrook".

Mary Westfall-Holbrook, P.E.
Chief District Engineer
District 12, Pikeville

JGH:SR:DS:GC:



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

April 6, 2020

US Army Corps of Engineers-Louisville District
845 Sassafras Creek Road
Sassafras, KY 41759

RE: Water System Control and Raw Water Modifications-WX21159009 SAI#KY2017804020196
CFDA #15.252

Dear Madam/Sir:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the US Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant s located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a brief project description, maps indicating area where work will be performed. I would appreciate your office reviewing this project in relation to waterway impacts and potential impact upon the 100 year floodplain.

I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

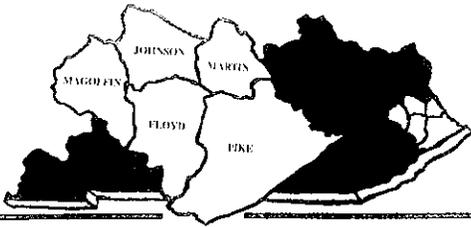
Sincerely,

Eric Ratliff
Project Developer/Administrator
Eric.Ratliff@bigsandy.org

/Enclosure

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AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. Dan Bailey
US Army Corps of Engineers-Huntington District
502 Eighth Street
Huntington, WV 25701

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Mr. Bailey:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to waterways impacts and potential impact upon the 100 year floodplain.

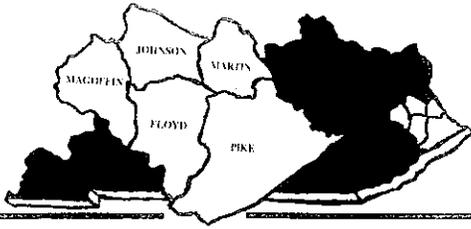
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Honorable William Davis
Martin County Judge/Executive
PO Box 309
Inez, KY 41224

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDF# 15.252

Dear Judge/Executive Davis:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to environmental justice and local statute.

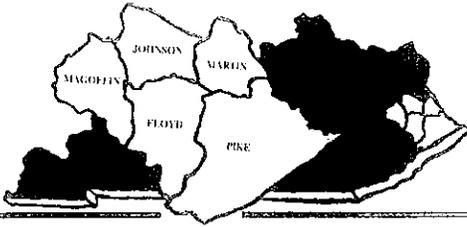
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. Doug Dawson
Kentucky Department of Fish
#1 Sportman's Lane
Frankfort, KY 40601

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Mr. Dawson:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to its impact upon vegetation and animal life (i.e., disruption or alteration of Habitat); proximity to wetlands; and potential impact upon endangered or threatened species.

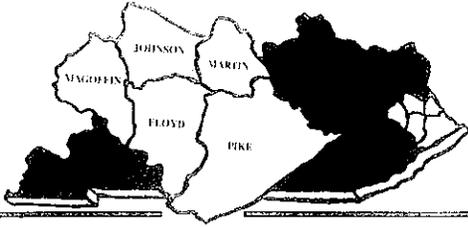
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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AN EQUAL OPPORTUNITY EMPLOYER



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. William Turney
Department of Aviation
Capital City Airport
90 Airport Road
Frankfort, KY 40601

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Mr. Turney:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to aeronautics issues.

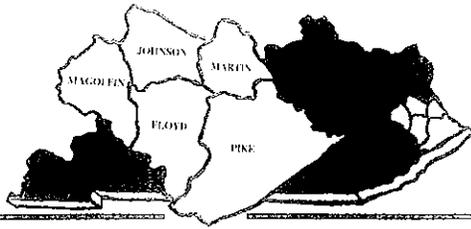
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Permit Review Branch
Air Quality Division
Department of Natural Resources
200 Fair Oaks Lane, 1st Floor
Frankfort, KY 40601

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Madam/Sir:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to its air quality.

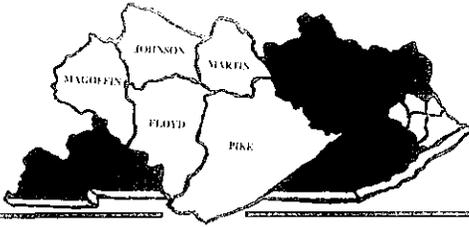
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. Eric Jude
Martin County Emergency Management
PO Box 309
Inez, KY 41224

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Mr. Jude:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to emergency services.

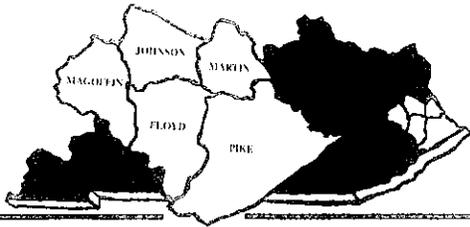
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. Eric Jude
Martin County Floodplain Coordinator
Martin County Fiscal Court
PO Box 309
Inez, KY 41224

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 C DFA# 15.252

Dear Mr. Jude:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project in relation to the 100 year floodplain.

I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

U.S. Environmental Protection Agency
Region IV, Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Madam/Sir:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

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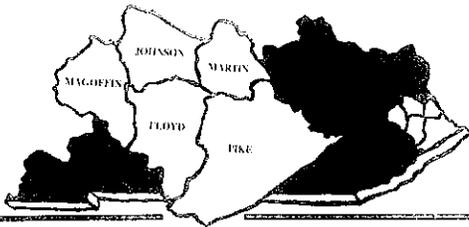
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure.

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Honorable Matt Bevin
Governor of Kentucky
700 Capitol Avenue, Suite 100
Frankfort, KY 40601

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Governor Bevin:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. I would appreciate your office reviewing this project.

I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

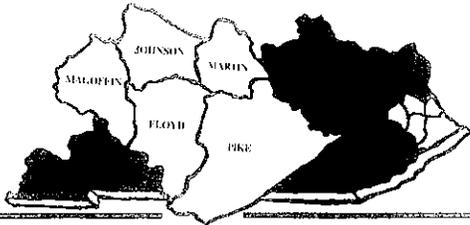
Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER

1-800-648-6056 TDD 1-800-737-2723 (606) 886-2374 Fax (606) 886-3382 www.bigsandy.org



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
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December 11, 2019

Honorable Harold Rogers
United State Congressman
110 Resource Court
Prestonsburg, KY 41653

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 C DFA# 15.252

Dear Congressman Rogers:

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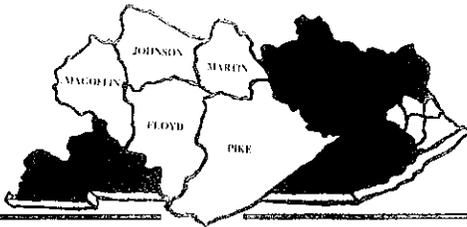
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AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Honorable Mitch McConnell
United State Senator
771 Corporate Drive, Suite 108
Lexington, KY 40503

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDF# 15.252

Dear Senator McConnell:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

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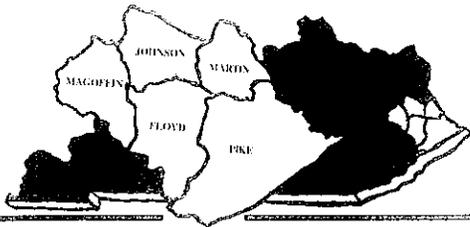
Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Honorable Rand Paul
United State Senator
771 Corporate Drive, Suite 105
Lexington, KY 40503

RE: Water System Controls and Raw Water Modifications-WX21159009
SAI# KY2017804020196 CDFA# 15.252

Dear Senator Paul:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

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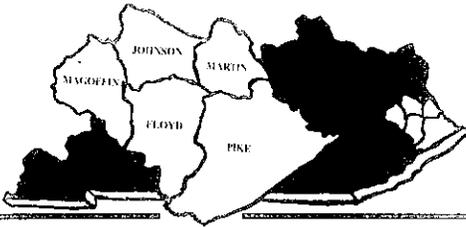
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES
AN EQUAL OPPORTUNITY EMPLOYER



BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

*NO COMMENTS
RECEIVED*

December 11, 2019

Mr. Russell Townsend
Tribal Historic Preservation Officer
Qualla Boundary Reservation
PO Box 455
Cherokee, NC 28719

Mr. Michael Hicks
Principal Chief
PO Box 455
Cherokee, NC 28719

Dear Mr. Townsend and Mr. Hicks:

Martin County Water District has received funding from multiple agencies including Abandoned Mine Lands and the U.S. Army Corps of Engineers to perform substantial rehabilitation of its existing Water Treatment Plant/ Clarifier, existing Raw Water Intake Structure and replacement of aging water transmission main with 6 inch PVC piping. The Water Treatment Plant is located at 14 Flat Hollow, Inez, KY 41224.

Big Sandy Area Development District has been asked to conduct an environmental assessment to ascertain the impact of the proposed project. I have attached a project description, map indicating area where work will be performed. The Water District is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in the review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects. For more information on Section 106 review process is available at http://comcon.org/sites/default/files/historic_preservation/ and HUD's process for tribal consultation under Section 106 is described in a Notice available at http://portal.hud.gov/HUD?src=/program_offices/comm_planning/environment.atec.

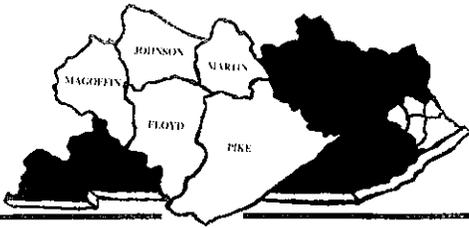
I would appreciate your review of this project and ask that comments be provided with 30 days of the date of this letter. After that time, we will assume there are no adverse impacts in your areas of responsibility.

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosure

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BIG SANDY
AREA DEVELOPMENT DISTRICT, INC.
110 RESOURCE COURT
PRESTONSBURG, KY 41653

December 11, 2019

*NO COMMENTS
RECEIVED*

Md. Yvonne Sherrick
Environmental Site Review Coordinator
Kentucky Heritage Council
410 High Street
Frankfort, KY 40601

RE: Water System Controls and Raw Water Modifications-WX21159009 SAI# KY2017804020196
CDFA# 15.252

Dear Ms. Sherrick:

Martin County Water District is in the process of conducting an environmental review pursuant to the State Environmental Review Process for the US Army Corps of Engineers Section 531 and Abandoned Mine Land Programs. The purpose of the review is to assess the environmental impact of the abovementioned project. The project consist of rehabilitation and improvements to the existing Water Treatment Plant and Clarifier, existing Raw Water Intake Structure and the installation of new 6 inch PVC water main and appurtenances to replace the existing 6 inch water line that is in deteriorating condition.

Enclosed with this letter are the following documents:

1. Section 106 Cover Sheet
2. Project Location Map
3. Project Description

Please advise us of any concerns your office may have related to possible effects of the abovementioned project on any known archaeological or historical sites in the area. We would appreciate your response within 30 days, if possible. If you need any further information or wish to discuss the project, please contact me at 606-886-2374 ext 358 or Eric.Ratliff@bigsandy.org

Sincerely,

Eric Ratliff
Project Developer/Administrator

/Enclosures

SERVING FLOYD, JOHNSON, MAGOFFIN, MARTIN AND PIKE COUNTIES

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APPENDIX C- Mailing List

Kentucky Department for Local Government
100 Airport Road, 3rd Floor
Frankfort, KY 40601

Kentucky Heritage Council
410 High Street
Frankfort, KY 40601

US Department Fish and Wildlife Service
JC Watts Federal Building
330 West Broadway, Suite 265
Frankfort, KY 40601

USDA/NRCS
Owensboro Service Center
3100 Alvey Park Drive West
Owensboro, KY 42303

KY Transportation Cabinet
Department of Highways, District 12
109 Loraine Street
Pikeville, KY 41501

US Army Corps of Engineers-Huntington District
502 Eighth Street
Huntington, WV 25701

Office of the Martin County Judge/Executive
PO Box 309
Inez, KY 41224

KY Department of Fish and Wildlife
#1 Sportsman's Lane
Frankfort, KY 40601

KY Department of Aviation
Capital City Airport
90 Airport Road
Frankfort, KY 40601

KY Department of Natural Resources
Air Quality Division
200 Fair Oaks Lane, 1st Floor
Frankfort, KY 40601

Martin County Emergency Management
PO Box 309
Inez, KY 41224

Martin County Floodplain Coordinator
PO Box 309
Inez, KY 41224

US Environmental Protection Agency
Region IV, Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

Governor Matt Bevin
State of Kentucky
700 Capitol Avenue, Suite 100
Frankfort, KY 40601

Honorable Harold Rogers
United States Congressman
110 Resource Court
Prestonsburg, KY 41653

Honorable Mitch McConnell
United States Senator
771 Corporate Drive, Suite 108
Lexington, KY 40503

Honorable Rand Paul
United States Senator
771 Corporate Drive, Suite 105
Lexington, KY 40503

Tribal Historic Preservation Officer
Qualla Boundary Reservation
PO Box 455
Cherokee, NC 28719

Yvonne Sherrick
Environmental Site Review Coordinator
Kentucky Heritage Council
410 High Street
Frankfort, KY 40601

Carr, Kimberly D CIV USARMY CELRH (USA)

To: Stephens, Ashley L CIV USARMY CELRH (US)
Subject: RE: LRL-2020-496 - Martin County Water System Control and Raw Water Modifications

-----Original Message-----

From: Eric Ratliff [mailto:Eric.Ratliff@BigSandy.Org]
Sent: Thursday, June 18, 2020 12:08 PM
To: Stone Smith, Lesli Faye CIV USARMY CELRH (USA) <Lesli.F.StoneSmith@usace.army.mil>; Stephens, Ashley L CIV USARMY CELRH (US) <Ashley.L.Stephens@usace.army.mil>
Cc: Kelly Gillespie <kgillespie@hkbell.com>; Steve Caudill <scaudill@hkbell.com>
Subject: [Non-DoD Source] FW: LRL-2020-496 - Martin County Water System Control and Raw Water Modifications

See below.

Eric Ratliff
Projects Developer/Administrator
Big Sandy Area Development District
110 Resource Court
Prestonsburg, KY 41653
606-886-2374 T
606-831-7113 C

-----Original Message-----

From: Branham, Justin L CIV USARMY CELRL (USA) [mailto:Justin.L.Branham@usace.army.mil]
Sent: Thursday, June 18, 2020 11:21 AM
To: Eric Ratliff
Subject: LRL-2020-496 - Martin County Water System Control and Raw Water Modifications

Eric,
This email serves as our official correspondence regarding the request for comments that you submitted on behalf of the applicant. A hard copy will not be mailed unless one is requested. This project was previously reviewed under LRL-2020-496 with Bell Engineering and a Nationwide Permit #13 was issued for the riprap associated with the proposed raw water intake structure. The information submitted indicated that no stream crossings were proposed at this time and that no additional fill or dredged material would be placed within potential "waters of the U.S.". If the scope of the project changes and the project would necessitate the discharge of fill or dredged material, please contact our office to determine permit requirements. If you have any questions, please do not hesitate to contact me. Thank you for your awareness of our regulatory program.

Justin Branham
Team Leader / Regulatory Specialist
U.S. Army Corps of Engineers - Louisville District Eastern Kentucky Regulatory Office
845 Sassafras Creek Road
Sassafras, KY 41759
Phone: 606-642-3208
Email: Justin.L.Branham@usace.army.mil
Comments on our Regulatory Services are invited:
Blockedhttp://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey

APPENDIX C
MAILING LIST

**Section 531 Martin County Water District
Water System Improvements Project
Martin County, Kentucky
Draft Environmental Assessment Mailing List**

Federal Agencies and Officials

The Honorable Mitch McConnell
United States Senate
601 W. Broadway
Room 630
Louisville, KY 40202

The Honorable Rand Paul
United States Senate
1029 State Street
Bowling Green, KY 42101

The Honorable Harold “Hal” Rogers
United States House of Representatives
110 Resource Court, Suite A
Prestonsburg, KY 41653

Mr. Steve Blanford
USDA Natural Resources Conservation
Service
771 Corporate Drive, #210
Lexington, KY 40503

US EPA Region 4
61 Forsyth Street SW
Atlanta, GA 30303

Ms. Carrie Allison
United States Fish and Wildlife Services
JC Watts Federal Building, Room 265
330 West Broadway
Frankfort, KY 40601

State Agencies and Officials

The Honorable Andy Beshear
Governor of Kentucky
700 Capital Avenue
Suite 100
Frankfort, KY 40601

Kentucky Department of Fish and Wildlife
Resources
#1 Sportsman’s Lane
Frankfort, KY 40601

Kentucky Heritage Council
The Barstow House
410 High Street
Frankfort, KY 40601

Kentucky Division of Water
300 Sower Boulevard
3rd Floor
Frankfort, KY 40601

County Agencies and Officials

Martin County Public Library
180 East Main Street
Inez, KY 41224

Mr. Don Hughes
Floodplain Coordinator
149 South Central Ave, Ste 9
Prestonsburg, KY 41653