

FINDING OF NO SIGNIFICANT IMPACT (FONSI)

Arjay Refuse Fire High Priority Abandoned Mine Lands (AML) Project Bell County, Kentucky

The Commonwealth of Kentucky has submitted an Authorization to Proceed (ATP) with construction activity for the Arjay Refuse Fire High Priority AML Project. The proposal requests the Office of Surface Mining Reclamation and Enforcement (OSM) for authorization to utilize Federal AML grant funds to for this project. The ATP request consists of a request letter, Environmental Assessment (EA) with consultation correspondence, project description, location map, AML Inventory System (AMLIS) Problem Area (PA) information (compiled from the e-AMLIS database), and other supporting documents. The project area may be centrally located on the Pineville, Kentucky U.S.G.S. 7.5 minute Topographic Quadrangle map(s) at 36° 48' 5.7" North Latitude and 83° 39' .6" West Longitude near the community of Arjay, Kentucky. The project location, AML problems to be addressed, and proposed reclamation activity/cost are also available at <http://amlis.osmre.gov/Default.aspx> in the AMLIS under PA# KY-002713-SGA. The project involves reclamation of AML conditions consisting of a dangerous pile or embankment at one site.

OSM has thoroughly reviewed the EA prepared for this project by the Kentucky Division of Abandoned Mine Lands (DAML) and determined that it adequately discusses the environmental issues and impacts as required by the National Environmental Policy Act (NEPA) for OSM abandoned mine lands reclamation grant construction activities for authorization purposes.

Based on the analysis in the EA, I find that the construction activity performed under this project will not have significant impacts on the quality of the human environment. Therefore, I conclude that a detailed Environmental Impact Statement is unnecessary. My specific reasons are as follows:

The alternative to not fund the project would result in no favorable impacts and the adverse impacts would continue unabated. The long-term beneficial impact of the proposed action will result in the protection of the health, safety, general welfare, and property of the local citizens and other persons who may come in contact with these AML conditions. No long-term adverse impacts are anticipated. Short-term environmental impacts are limited to sedimentation, noise, and inconvenience to the local residents while the project is constructed. Sedimentation will be controlled by using silt control and prompt revegetation of the disturbed area. Noise, dust, and other inconveniences to local residents are unavoidable impacts related to construction activities.

All appropriate government agencies were consulted or their review criteria applied by agreement. As a result, it was determined that the project area does not contain or significantly affect threatened or endangered species or their habitat, jurisdictional wetlands, flood plains, cultural or historic values, prime and unique farmland values, recreational resources, or Class I air quality regions. To reduce impacts from the project, the recommendations made by the agencies consulted were considered and, as appropriate, incorporated into the EA prepared by DAML and/or as an element of their request for ATP with construction submitted for OSM authorization. The responses from agencies consulted for the National Environmental Policy Act (NEPA) review include the following comments and/or recommendations.

The Kentucky Department of Fish and Wildlife Resources (KDFWR) identified no two known federally threatened/endangered fish and wildlife and one candidate species are within a 10 mile radius of the project area. They also identified no records of state listed species of concern within 1 mile radius of the project area. They recommended that the erosion control measures, as mentioned in the proposal, should be implemented and maintained periodically.

The DAML staff biologist reviewed the Kentucky State Nature Preserves Commission's (KSNPC) BIOTICS database in lieu of further consultation. The findings are noted in the ATP request letter and an attached memorandum. DAML found that KSNPC data indicated two federally listed threatened or endangered species within a 10-mile radius and four species of State concern within a 1-mile radius of the project. DAML listed and discussed each species in the biologist's memorandum, the EA, and referenced them in their ATP request letter, finding that the noted species will not be impacted, since the project will not result in a significant negative impact to their critical habitat and/or suitable habitat does not exist within the project area to support the species. No reason was identified to dispute their determination.

In a meeting held in February 2010 between LFO, USFWS Kentucky Field Office (KFO) and DAML; Steve Hohmann, Director of DAML, offered to coordinate NEPA consultation with the KFO of the USFWS in Frankfort, Kentucky, utilizing the agreements in the September 18, 2009, Memorandum of Agreement (MOA) signed by the OSM, LFO and USFWS, KFO. This document outlined the acceptable conditions that the projects potential impacts can have where the KFO will not need to be further consulted for comment. When the conditions within the agreement are present, processing of the ATP may proceed with the confidence that the biological environment is being protected. It was agreed to by all parties, acknowledging that LFO would retain the final review to determine if the NEPA documentation is complete.

After review of the ATP documents for this project, which included consultation with the KSNPC and the KDFWR, DAML determined that additional consultation with the USFWS is not required because the proposed project will not adversely affect a federally listed species (Federal Assistance Manual (FAM) Chapter 5-11-15, A. 3.)

The conditions in the MOA are met because:

- There will be no purposeful removal of standing trees larger than 5 inches diameter at breast height or standing snags with loose bark that are 9 inch or greater diameter at breast height and at least 10 feet in height, during the period of April 1 to October 14, and the proposed activity does not occur in "Known Indiana Bat Habitat".
- No caves or clifflines will be disturbed;
- The project proposes to reclaim no mine portals/shafts.
- No purposeful filling or crossing of streams using heavy equipment or the removal of riparian vegetation using heavy equipment within the Tradewater, lower Ohio, Upper Cumberland, Green, and Licking River basins.
- In order to avoid/reduce indirect impacts, erosion and sediment control plans will be implemented and monitored until permanent vegetation has become established in the above listed watersheds and all other watersheds as may be appropriate.

With the specifics of the proposal meeting the criteria set out in the MOA, OSM agrees with DAML's determination that the proposed project would not adversely impact the species if these conditions are present. With this information, they found the requirements of Section 7 of the Endangered Species Act have been fulfilled.

The Office of State Archaeology (OSA) - There was insufficient time for normal consultation response from the OSA and archaeological consultation was initiated by DAML at this time. When a response is received from the OSA, it will be forwarded to OSM and the recommendations will be followed to protect any identified archaeological resources. The location of the project has been previously disturbed by coal mining, houseseat development and road construction. Based on past interactions with the OSA, project locations having these conditions have typically been deemed to have a low probability for archaeological sites due to past disturbances. The Kentucky Heritage Council (KHC)/State Historic Preservation Officer (SHPO) was not consulted further for the current construction activity, since this project activity falls under the provision in

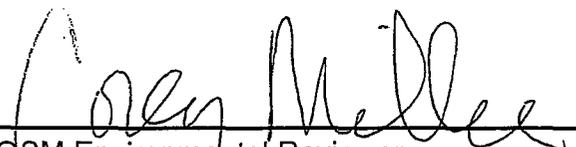
Programmatic Agreement that DAML signed on January 3, 2011, with the KHC of "exempt projects." Exempt projects are "Routine and recurring projects whose impacts [under Section 106 of the Natural Historic Preservation Act] are "foreseeable and cause little or no ground disturbance or that have a low probability of affecting known or unknown historic properties." Under the agreement KHC requires no consultation beyond DAML's determination that the project is an exempt project. In addition the archaeological consultation with the OSA and SHPO identified no impacts or concerns by these agencies.

This fulfills the responsibility to consult with the SHPO under the Section 106 review process. Neither agency recommended conducting archeological surveys/investigations or mitigation measures.

Environmental and Public Protection Cabinet (EPPC) (changed to the Environment and Energy Cabinet (EEC) in July 2008) Secretary order dated December 12, 2006, transferred authority for issuance of Clean Water Act (CWA) Section 401 Water Quality Certifications (WQC) associated with surface coal mine operations, to include any reclamation projects proposed by the DAML, to the Kentucky Department for Natural Resources (DNR) DNR. DNR assigned this responsibility to their Division of Mine Permits (DMP). The DMP further delegated this responsibility to DAML, with consultation as needed on a case by case basis. In addition, the DAML Director in a meeting held in February 2010, offered and agreed to coordinate consultation with the U.S. Army Corps of Engineers (COE) concerning CWA 404 (CWA) permits, as DAML had been doing without an agreement in the past. OSM LFO accepted DAML's offer to conduct this consultation.

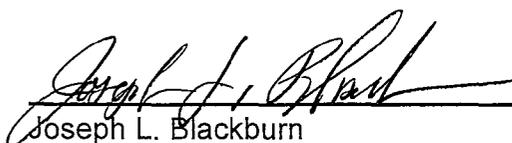
Under a 2005 agreement with the DOW Floodplain Management Section (FMS) of the Water Resources Branch, DOW authorized DAML to apply DOW floodplain standards in lieu of a DOW review. In this agreement, DAML will directly consult with DOW if it appears a permit may be required. DAML has acquired a set of Federal Emergency Management Agency (FEMA) floodplain maps that include the project area.

As a result, DAML applies each responsible agency's criteria by agreement or physically consults with the DMP and DOW concerning CWA 401 WQC and floodplain permits to "Construct Across or Along a Stream", and with the COE concerning CWA 404 permits. This review has been centralized with DAML's Design Branch, whose staff has previous experience in this area and with the Kentucky DOW. DAML determined from the written description that the project does not impact a stream, wetland, or floodplain that requires a 401 WQC, a 404 CWA permit, or a DOW floodplain permit.



OSM Environmental Reviewer
AML Program Specialist

5/7/2012
Date



Joseph L. Blackburn
Field Office Director

5/7/2012
Date