U.S. DEPARTMENT OF AGRICULTURE Farm Service Agency

DRAFT ENVIRONMENTAL ASSESSMENT



Broiler Farm Construction Proposal

Prepared By
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02/29/2024

COVER SHEET

Proposed Action:	The Farm Service Agency of the United States Department of Agriculture proposes to provide Farm Loan Program assistance to finance the construction of (6) 54' x 600' broiler houses and related infrastructure. The physical location of this proposal would take place approximately 3 miles southwest of the highway 70-71 junction in DeQueen Arkansas in Sections 26 and 35, Township 08 south, Range 32 west in Sevier County.		
Type of Document:	This is a site-specific Environmental Assessment		
Lead Agency:	United States Department of Agriculture (USDA) Farm Service Agency (FSA)		
Cooperating Agencies:	None		
Further Information:	Adam Kaufman, USDA, Farm Service Agency, 419 West Gaines Street, Monticello, AR 71655.		
Comments:	This Environmental Assessment (EA) was prepared in accordance with USDA FSA National Environmental Policy Act (NEPA) implementing procedures found in 7 CFR 799, as well as the NEPA of 1969, Public Law 91-140, 42 US Code 4321-4347, as amended. A Notice of Availability (NOA) of the Draft EA will be published on 02/29/2024 and 03/07/2024 with instructions for providing written comments. A copy of the Draft EA and related material will be made available as provided by the NOA at USDA, Farm Service Agency, 309 West Collin Raye Drive, De Queen, AR 71832. The Draft EA document itself will also be posted from 02/29/2024 thru 04/01/2024 on the FSA State website at: https://www.fsa.usda.gov/state-offices/Arkansas/index Written comments regarding the Draft EA will be accepted thru 04/01/2024 and should be sent to the address below: USDA, Farm Service Agency Attn: Adam Kaufman 419 West Gaines Street Monticello, AR 71655		

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ACRONYMS AND ABBREVIATIONS

ADEQ Arkansas Department of Environmental ANRC Arkansas Natural Resource Commission

AR Arkansas

ATV All-terrain vehicle

BMP's Best Management Practices

CAFO Concentrated Animal Feeding Operation

CEQ Council on Environmental Quality

CNMP Comprehensive Nutrient Management Plan

CFR Code of Federal Regulations EA Environmental Assessment

EO Executive Order

EPA Environmental Protection Agency

EQIP Environmental Quality Incentives Program FEMA Federal Emergency Management Agency

FONSI Finding of No Significant Impact

FSA Farm Service Agency
GHG Green House Gases
GPM Gallons per minute
HUC Hydrologic unit code

IPaC Information for Planning and Conservation MA/NLAA May Affect, Not Likely to Adversely Affect

NEPA National Environmental Policy Act
NHPA National Historic Preservation Act

NLEB Northern Long Eared Bat NMP Nutrient Management Plan

NOA Notice of Availability

NPDES National Pollutant Discharge Elimination
NRCS Natural Resources Conservation Service
SHPO State Historic Preservation Officer
SWPPP Stormwater Pollution Prevention Plan
THPO Tribal Historic Preservation Officers

TSP Technical Service Provider
TMDL Total Maximum Daily Load
WMA Wildlife Management Area

U.S. United States

USACE U.S. Army Corps of Engineers

USDA United States Department of Agriculture USFWS United States Fish and Wildlife Service

1. Introduction

1.1 Background

- The United States Department of Agriculture (USDA) Farm Service Agency (FSA) proposes to provide loan assistance for the applicant to establish an integrated broiler facility on a 103 acre tract of land owned by the applicants. Proposed improvements to the 103 acres would consist of (6) 54' x 600' broiler houses, access roads, a load out area, utilities, and related infrastructure. Each house would have 32,400 square feet of growing space and would be able to house 43,200 broilers at maximum capacity. The (6) house farm would have 194,400 square feet of growing space and be able to raise 259,200 broilers per flock. The proposed broiler farm would meet FSA's definition of a large Confined Animal Feeding Operation (CAFO). Flock placement would be dependent on bird variety, needs of the integrator, supply and demand, and several other factors. A flock of broilers is typically kept on the farm for approximately 6-8 weeks. It is anticipated that the farm would receive approximately 4 to 6 flocks annually.
- Sevier County is not located in the Nutrient Surplus Area. SEE APPENDIX A-11. Appendices A
 and B contain maps and photos of the proposed project area. A detailed description of the
 components of the proposed project, the project site and related surrounding area of potential
 effect is further described in Section 2.1 of this document.

1.2 Purpose and Need for the Proposed Action

The purpose of the proposed project/action is to implement USDA, Farm Service Agency programs, to make available economic opportunity to help rural America thrive, and to promote agriculture production that better nourishes Americans and help feed others throughout the world. FSA is tasked with this mission as provided for by the Food and Security Act of 1985 as amended, the Consolidated Farm and Rural Development Act as amended, and related implementing regulations found in 7 CFR Parts 762 and 764.

The need for the proposed action is to fulfill FSA's responsibility to provide access to credit, and to help improve the stability and strength of the agricultural economy, including to start, improve, expand, transition, market, and strengthen family farming and ranching operations, and to provide viable farming opportunities for family and beginning farmers and meet the needs of small and beginning farmers, women and minorities. Specifically, in the case of this loan request, FSA's need is to respond to the applicant's request for funding to support the proposed action.

FSA Farm Loan Program Assistance is not available for commercial operations or facilities that are not family farms, or to those having the ability to qualify for commercial credit without the benefit of FSA assistance. The applicants have been determined to be a family farm as defined by 7 CFR 761.2. The proposed action would allow them the opportunity to establish their family farming operation and provide the economic stability to meet the needs of the family.

In addition, poultry integrators have a demand for new facilities such as these to provide an adequate supply for processing plants and keep them operating at an economically feasible capacity. Specialized livestock facilities such as those proposed, have a limited useful life as they become functionally obsolete

as technology advances. Accordingly, a pipeline of new facilities is necessary to insure an adequate and economical supply of low cost protein food for the nation.

1.3 Decision To Be Made

FSA's decision is whether to:

- Approve the applicant's loan request;
- Approve the request with additional mitigations; or
- Deny the loan request.

1.4 Regulatory Compliance

This Environmental Assessment is prepared to satisfy the requirements of NEPA (Public Law 91-190, 42 United States Code 4321 et seq.); its implementing regulations (40 CFR 1500-1508); and FSA implementing regulations, *Environmental Quality and Related Environmental Concerns – Compliance with the National Environmental Policy Act* (7 CFR 799). The intent of NEPA is to protect, restore, and enhance the human environment through well informed Federal decisions. A variety of laws, regulations, and Executive Orders (EO) apply to actions undertaken by Federal agencies and form the basis of the analysis.

All fifty states have enacted right-to-farm laws that seek to protect qualifying farmers and ranchers from nuisance lawsuits filed by individuals who move into a rural area where normal farming operations exist, and who later use nuisance actions to attempt to stop those ongoing operations. The Right to Farm law for Arkansas (Ark. Code Ann. § 24101) protects farming operations from nuisance claims when farms were established prior to the use of the area surrounding the agricultural operation for nonagricultural activities and those farms employ methods or practices commonly or reasonably associated with agricultural production.

1.5 Public Involvement and Consultation

Scoping is an early and open process to involve agencies, organizations, and the public in determining the issues to be addressed in the environmental document. Among other tasks, scoping determines important issues and eliminates issues determined not to be important; identifies other permits, surveys and consultations required with other agencies; and creates a schedule that allows adequate time to prepare and distribute the environmental document for public review and comment before a final decision is made. Scoping is a process that seeks opinions and consultation from the interested public, affected parties, and any agency with interests or legal jurisdiction.

1.5.1 Internal Scoping

USDA staff of various specialties have been consulted regarding the purpose and need, issues and impact topics appropriate for consideration for the proposed activity. A site visit and pedestrian review was completed by Candace Russell, USDA, Farm Service Agency on 02/07/2024. Site visit notes and photographs are included in APPENDIX B.

1.5.2 External Scoping

USDA FSA has completed research and the following tasks and efforts:

- Research of U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Conservation System (IPaC) about the project's potential to affect federally listed species as required by the Endangered Species Act of 1973. SEE APPENDIX D-1.
- Consultation with the State Historic Preservation Officer (SHPO) to ensure that compliance
 with the requirements of Section 106 of the National Historic Preservation Act (NHPA) are
 met and that significant impacts to historic properties would not result from the project SEE
 APPENDIX E.
- Consultation with Tribal Historic Preservation Officers (THPO): Darrin Cisco of the Apache Tribe of Oklahoma, Derek Hill of the Caddo Nation, Lindsey Bilyeu of the Choctaw Nation of Oklahoma, Linda Langley of the Coushatta Tribe of Louisiana, Dr. Andrea Hunter of the Osage Nation, Billie Burtrum of the Quapaw Tribe of Indians, and Tonya Tipton of the Shawnee Tribe of Oklahoma, to ensure that compliance with the requirements of Section 106 of the NHPA are met and that significant impacts to historic properties would not result from the project. SEE APPENDIX E
- FSA staff completed Form FSA-858, "Determining if a Wetland May Be Present" to screen for wetland indicators where ground disturbance associated with project would take place SEE APPENDIX I-1

1.5.3 Public Involvement

The Draft EA and supporting documentation will be made available for public review and comment from 02/29/2024 to 04/01/2024 at USDA, Farm Service Agency, 309 West Collin Raye Drive, DeQueen, AR 71832. The Draft document itself will also be posted on the Arkansas FSA state website https://www.fsa.usda.gov/state-offices/Arkansas/index from 02/29/2024 to 04/01/2024. A notice of the availability of the draft EA will be published in the De Queen Bee on 02/29/2024 and 03/07/2024. Written comments regarding this proposal should be submitted by mail to USDA, Farm Service Agency, Attn: Adam Kaufman, 419 West Gaines Street, Monticello, AR 71655.

2. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES

2.1 Alternative A - Proposed Action

The proposed action involves USDA, FSA providing a guaranteed loan to a commercial lender that would be used to establish a new (6) house broiler farm. The proposal would take place on a 103 acre tract of land in Sevier County, 3 miles southwest of the junction of highways 70 and 71 in De Queen, AR. The legal description of the 103 acre tract is in Sections 26 and 35, Township 8 south, Range 32 West in Sevier County Arkansas. SEE APPENDIX A. This tract of land is located in the South Central Plains eco region of Arkansas. The proposed site is an open area consisting of mixed grasses and other forbs with slopes ranging from 1 to 8 percent.

The applicants would enter into a contract with a poultry integrator, who would place flocks of broilers on the farm, where they would be grown to market size. The applicants, as growers, would be responsible for providing the equipment, utilities, and labor required to house and manage the flock including feeding, watering, brooding, waste disposal, maintaining the houses, and providing for animal welfare, sanitation, and biosecurity. The integrator would supply the chicks, feed, labor to deliver and remove the birds from the farm, veterinary services, and technical support to the grower.

Existing improvements on the "L" shaped 103 acre tract consist of perimeter fencing, an access road, and (3) man made ponds, and a mobile home. The 103 acre tract of land was set up to run cattle, although is currently vacant with no livestock. The 103 acre tract is accessible via Chapel Hill Road, which borders the northwestern corner of the property. An existing gravel road runs from Chapel Hill to the southeast across the center of most of the tract.

The 103 acre tract of land is bordered by timberlands to the south and west, and pasture to the east and northeast. Chapel Hill Cemetery borders the 103 acre tract to the north. The center of the proposed site is located .7 miles south of highway 70 business. Chapel Hill Cemetery borders the 103 acre tract to the north. The nearest neighboring residences would be located .4 miles to the NW and .4 miles to the east. DeQueen schools are located 1 mile to the east of the proposed site. SEE APPENDIX A-9. The nearest church would be located 1.1 miles to the NW, (Chapel Hill Church). SEE APPENDIX A-7. Agriculture has a strong presence in this region. Sevier county had 540 farms on 142,256 acres in 2017. SEE APPENDIX K. According to the Sevier County Conservation District 98 poultry farms registered for the 2022 production year. According to NASS, Sevier county had 32,500 head of cattle, including calves in January of 2023. SEE APPENDIX K.

Proposed improvements to the 103 acres would consist of (6) 54' x 600' broiler houses that would be running east and west, stacked north and south, and offset 2 x 4 located in the southeastern corner of the 103 acres as shown on the schematic drawing. SEE APPENDIX A-6. These structures would be built on top of earthen pads. The dimensions of the pads with dimensions slightly larger than the dimensions of the houses themselves. Non offsite soil or fill material would necessary. The proposed site would be accessed via the existing road, which would require some minor grading and gravel. A load out pad would be leveled, graded, and placed in between the broiler houses. The load out pad would be approximately 100' wide east and west and extend north and south on the east side of the (2) westernmost proposed poultry houses and west of the (4) houses to the east. The load out pad would essentially be an extension of the access road and would allow live haul, feed trucks, and other traffic to

turn safely while entering and existing this proposed facility. A composter would be utilized as the method of mortality disposal for this proposed operation, which is an ANRC approved method. The composter would be placed on the south side of the westernmost houses. A 40' x 60' structure would be built in between the easternmost poultry houses. This shed would house (2) 125 kw generators and (6) 5,000 gallon plastic water tanks. The shed would sit on top of a reinforced concrete slab and would have a metal roof and sides. The water tanks would serve as an emergency water supply. The generators would be controlled by (2) 400 Amp transfer switches. The generators would serve as a backup power supply for this proposed broiler facility in the event of a power outage and utilize low sulfur diesel as a fuel source, stored in a 500 gallon above ground tank. Underground wires in conduit and water lines would run from the generators and water tanks and be plumbed into each poultry house.

Related infrastructure would include access roads in between the (6) broiler houses themselves, utility lines for water and electricity, and above ground storage tanks for propane to heat these facilities. Electricity to proposed poultry house facilities would be ran overhead from the existing connections along Chapel hill road.

Water to the proposed broiler operation would be supplied by (2) proposed wells. Underground plumbing would run from the wells to the proposed broiler houses, trenched to a depth of 3.5." The proposed houses would utilize propane as a heat source, stored in 1000 gallon above ground storage tanks placed in between each house.

According to the SWPPP, this proposal would involve an estimated 17.2 acres of ground disturbance. The proposed site is currently established in mixed grasslands. The proposal would involve removal of 3-5 oak trees that are 10' - 15' tall.

There are no connected actions associated with this proposal at this time, however it may be possible to expand this operation in the future if the applicants were presented the opportunity to do so. Any future expansion financed with FSA funds would require a subsequent environmental review that meets the requirements of 1-EQ (revision 3).

2.2 Alternative B - No Action Alternative

The No Action Alternative means the loan would not be made and the farm described in Section 2.1 above (Proposed Action) would not be built. The proposed action would not go forward. The proposed site could be used to graze cattle, plant timber, left un-disturbed and grow naturally, or developed in some other manner.

2.3 Alternative C

An alternative location would not be feasible, as the proposed project would take place on property the applicants have purchased recently. This location is near the applicant's dwelling which would be the farming headquarters of this proposed operation. Integrators typically require a farm manager to live in close proximity to the farm.

The proposed project was designed to require the least amount of ground disturbance possible while taking the surrounding environment into consideration as well. If this proposal were to be moved farther to the south or southwest, the proposal would be closer to the nearest neighboring residence to

the west, but further away from Chapel Hill Cemetery and further from the nearest neighboring residences to the east. This alternative would take place on steeper slopes and would require additional tree removal than that of the proposed action, potentially accelerating erosion posing a threat to water quality of the surrounding area. Moving the proposed site to the south or southwest may eliminate the need to fill in the pond, which would not require a new pond to comply with the "No Net Loss of Wetlands, Executive Order." SEE APPENDIX A-6. Moving the proposal farther to the south, may encroach on neighboring properties and violate setback requirements. Electing to move the proposal farther to the north would place the farm closer to Chapel Hill Cemetery and would also require more tree removal than the proposed action. The pond would still need to be filled in with this proposed scenario.

The proposed site configuration was designed to create the least amount of ground disturbance and vegetation removal, therefore having the smallest impact on the environment and its surroundings during the construction phase of the proposal. Alternative configurations were not considered due to the possibility of having a greater impact on the affected environment. Integrated poultry producers must comply with very specific logistical and design requirements provided by the integrators.

2.4 Alternatives Considered but Eliminated From Analysis

Other locations for the farm or other uses for the land in question are not considered here because such options do not meet the purpose and need for the proposed action. The applicant has applied for FSA loan assistance to fund the construction of a new large CAFO. FSA's decision to be made is to approve the loan for the proposed farm as designed, to deny the loan, or to approve the loan with additional mitigations, practices or methods that would be needed to minimize or eliminate impacts to protected resources.

Similarly, alternative designs of farm components are not considered as the producer's agreement with a poultry integrator requires adherence to the integrator's construction and equipment specifications, which are in place to ensure consistency, maximize production, and reduce loss. Design alternatives that would involve modification of features and infrastructure put in place by an integrator would jeopardize the availability of bird placement, be grounds for a potential loss of the contract with the integrator, and therefore the viability of the farm. Accordingly, this alternative would not warrant further consideration.

3. AFFECTED ENVIRONMENT AND IMPACTS

The impacts to a number of protected resources, as defined in FSA Handbook 1-EQ (Revision 3) Environmental Quality Programs for State and County Offices, are considered in this EA. Some resources are eliminated from detailed analysis following CEQ regulations (40 CFR 1501.7), which state that the lead agency shall identify and eliminate from detailed study the issues that are not significant or that have been covered by prior environmental review, narrowing the discussion of these issues in the document to a brief presentation of why they would not have a significant effect on the human or natural environment. Resources that are not eliminated are carried forward for detailed analysis. The table below shows the resources that are eliminated from detailed analysis and those carried forward. Section 3.1 contains discussions of those resources eliminated form detailed analysis. Section 3.2 describes the existing conditions for resources carried forward for detailed analysis and the anticipated impacts to those resources resulting from the Proposed Action.

Resource	Eliminated	Carried Forward
Wildlife and Habitat		Х
Cultural Resources		Х
Coastal Barriers	Х	
Coastal Zones	Х	
Wilderness Areas	X	
Wild and Scenic Rivers, NRI	X	
National Natural	X	
Landmarks		
Sole Source Aquifers	X	
Floodplains	X	
Wetlands	X	
Soils	X	
Water Quality		X
Air Quality		Х
Noise	·	Х
Important Land Resources	Х	
Socioeconomics and	Х	
Environmental Justice		

3.1 Resources Eliminated from Detailed Analysis

Coastal Barrier Resources System

Coastal barriers are eliminated from detailed analysis as there are no designated Coastal Barriers in Arkansas.

Coastal Zone Management Areas

Coastal Zone Management Areas are eliminated from detailed analysis because there are no Coastal Zone Management Areas in Arkansas.

Wilderness Areas

Wilderness areas were eliminated from detailed analysis in this EA. There are 12 designated Wilderness areas in Arkansas. The closest Wilderness Area would be Caney Wilderness Area, which is located 36 miles northeast of this proposed project. Pond Creek Bottoms, National Wildlife Refuge is located 9 miles to the south of the proposal. This proposal should have no effect on Caney Creek Wilderness Area, Pond Creek Bottoms or any other federal land. SEE APPENDIX F-1.

Wild and Scenic Rivers/NRI

Wild and Scenic Rivers/NRI were eliminated from detailed analysis in this EA. The nearest wild and scenic river in relation to the proposed project is the Cossatot River. The nearest wild and scenic segment of the Cossatot is located 24 miles northeast of this proposal SEE APPENDIX G-4. The Cossatot River also has a Nationwide Rivers Inventory designation. This nearest designated segment is located 20 miles northeast of this proposal, north of Gillham Lake. SEE APPENDIX G-3.

National Natural Landmarks

There are five National Natural Landmarks in Arkansas. SEE APPENDIX H-1. The site of the Proposed Action is not located in close proximity to any of these nor would the proposal threaten to alter or impair them. The closest, in proximity to this proposal is actually McCurtain County Wilderness Area in Oklahoma located 27 miles northwest of the proposed site, therefore National Natural Landmarks are eliminated from detailed analysis. SEE APPENDIX H-1

Sole Source Aquifers

Sole source aquifers are eliminated from detailed analysis because there are no sole source aquifers in Arkansas.

Floodplains

Floodplains were eliminated from further detailed analysis. Floodplain maps indicate the proposed project would lie outside of a flood plain. SEE APPENDIX J-1. The proposed site has an elevation of 421'. Bear Creek has an elevation of 349' and the Rolling Fork River has an elevation of 319'.

Wetlands

Wetlands have been eliminated from further detailed analysis. According to FSA Form-858 "Determining if a Wetland May Be Present," wetland indicators were not present on the 17.2 acre proposed site where the proposal would be located, therefore no additional screening is necessary. SEE APPENDIX I-1. Proposal would involve filling in a manmade pond and creatin of a new pond of equal size, resulting in no net loss of wetlands. SEE APPENDIX A-6.

Soils

Soils are eliminated from detailed analysis because no land on this farm would not be cropped and is therefore not subject to the Highly Erodible Land provisions of the Food Security Act. Furthermore, there would be no annual tillage of the soil associated with this proposed project. The applicants have both signed AD-1026 "Highly Erodible Land Conservation and Wetland Conservation Certification." SEE APPENDIX I.

Important Land Resources

Prime and unique farmland, forestland and rangeland resources are eliminated from detailed analysis because the proposed action would not result in prime and/or important farmland being converted to a nonagricultural use.

Socioeconomics and Environmental Justice

No impact to population, housing, income, or employment in the region are anticipated to result from the Proposed Action, nor are disproportionate adverse impacts to minority or low income populations anticipated. Therefore, socioeconomics and environmental justice are not carried forward for detailed analysis. SEE APPENDIX K for demographic information.

3.2 Resources Considered with Detailed Analysis

This section describes the environment that would be affected by implementation of the alternatives described in Chapter 2. Aspects of the affected environment described in this section focus on the relevant major resources or issues. Under the no action alternative, the proposed action would not be implemented. The no action alternative would result in the continuation of the current land and resource uses in the project area. This alternative will not be evaluated further in this EA.

3.2.1 Wildlife and Habitat

Existing Conditions

The proposed 17.2 acre project site is currently established in mixed grasslands. It would be necessary to remove 3-5 oak trees that are 10-15' tall. Wildlife typical of such areas include various mammals, reptiles, and bird species. A site visit was conducted by FSA on 05/01/2019. SEE APPENDIX B-1 for site visit notes and photographs.

An official list of threatened and endangered species and designated critical habitat for this area of Sevier County was obtained from the US Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) system. SEE APPENDIX D-1. The following threatened and endangered species are known to occur in this area of Sevier County SEE APPENDIX D:

Mammals: Indiana Bat *Myotis sodalist* (endangered), Northern Long-eared Bat (NLEB) *Myotis septentrionalis* (threatened), and the Tricolored Bat *Perimyotis subflavus*, (Proposed endangered)

BIRDS: Eastern Black Rail *Laterallus jamaicensis ssp. Jamaicensis* (threatened), Piping Plover *Charadrius melodus* (threatened), and the Rufa Red Knot *Calidris canutus rufa* (threatened).

REPTILES: Alligator Snapping Turtle *Macrochelys temminckii* (Proposed threatened)

FISHES: Leopard Darter *Percina pantherine* (Threatened)

Clams Rabbitsfoot *Quadrula cylindrica cylindrica* (Threatened) *and* Winged Mapleleaf *Quadrula* fragosa (endangered).

INSECTS: Monarch Butterfly *Danaus plexippus* (Candidate), American Burying Beetle (ABB) *Nicrophorus americanus* (Threatened)

The proposal would involve tree and vegetation removal. Any tree removal would take place prior to March 14, 2024, which would be considered the inactive season for the bat species listed above. There are no caves, other karst features, or mines in close proximity to the proposed site. No manmade structures or culverts are located on the proposed site. Suitable bat habitat would not exist, therefore the proposal would have no effect of the NLEB. The proposal may affect, but is not likely to adversely affect the Indiana bat. The proposed site is routinely bush hogged and maintained. Suitable habitat for the ABB does not exists, therefore the proposal would have no effect on the ABB. Suitable habitat for the birds species listed above does not exists, therefore the proposal would have no effect on these species. No proposed activities would take place in or near a stream, therefore the proposal may affect, but is not likely to adversely affect the Leopard Darter and clam species listed above.

No further consultation with the Arkansas Ecological Services Field Office would be necessary for the proposal. The SWPPP would implement BMP's that would help protect water quality on and around this proposed site. The Bald Eagle has been known to occur in this area, however the Bald Eagle is not covered by the Endangered Species Act. No Bald Eagles, or Bald Eagle nests were observed on this proposed site during the site visit. SEE APPENDIX B-1. Effect determinations are not required for candidate, proposed threatened, or proposed endangered species.

Impacts of Proposed Action

According to the SWPPP, an estimated 17.2 acres of ground disturbance would occur would be necessary to implement this proposal. SEE APPENDIX C-1. Implementation of the proposal would result in a long term loss of 17.2 acres of open grasslands and trees which currently contribute to wildlife habitat. The proposal would result in a long term loss of wildlife habitat that this 17.2 acres of vegetation provided. Based on the project location, BMP's in the SWPPP, and answers to questions in the determination key in IPAC, no significant impacts to Wildlife and Habitat would be expected to result from the Proposed Action. No adverse impacts on migratory birds are anticipated as a result of this proposal. The primary nesting season for birds in Arkansas is April 1 through July 15.

3.2.2 Cultural Resources

Existing Conditions

The Proposed Action involves some ground disturbing activities in areas not previously evaluated or previously disturbed to the depth required for the Proposed Action, therefore cultural resources require detailed analysis. This proposed 17.2 acre site was established in timber in the 1990's, which was then clear cut after 2006 and converted pastureland. SEE APPENDIX A-3 and A-4. There are no existing improvements on the 17.2 acre proposed site with the exception of the access road and pond. The nearest structures in relation to the proposal that are listed on the National Register of Historic Places would be the Otis Theodore and Effiegene Locke, House and the Brookes Bishop House, both of which are located 2 miles to the northeast of this proposal in De Queen, AR. SEE APPENDIX E-1. These historic sites would not be visible from the proposed site.

FSA consulted with the Arkansas State Historic Preservation Office (SHPO), Darrin Cisco of the Apache Tribe of Oklahoma, Derek Hill of the Caddo Nation, Lindsey Bilyeu of the Choctaw Nation of Oklahoma, Linda Langley of the Coushatta Tribe of Louisiana, Dr. Andrea Hunter of the Osage Nation, Billie Burtrum of the Quapaw Tribe of Indians, and Tonya Tipton of the Shawnee Tribe of Oklahoma on 01/22/2024. SEE APPENDIX E-3. Arkansas SHPO provided a response on 02/09/2024 which concurs with the finding of no historic properties affected. FSA received an email response from the Choctaw Nation on 02/20/2024. Sevier county lies within the Tribe's area of historic interest, however concurred with the finding of "no effect." The Choctaw would like to be contacted in the event human remains or Native American Artifacts are encountered. A response from the Osage Nation dated 2/21/2024 states: the Osage Nation is not aware of, but has a general concern for, any burials (graves, mounds, cairns), prehistoric districts, sites, or objects included in or eligible for inclusion in the National Register of Historic Places. If no graves, historic properties, or cultural resources, as specified above, are identified within the APE during any identification efforts conducted for the proposed project, the Osage Nation concurs that the FSA has fulfilled NHPA compliance by consulting with the Osage Nation Historic Preservation Office in regard to the above referenced project. The Osage would like to be contacted and activities cease should discoveries be made. A response from the Quapaw Tribe on 1/23/2024 which states: "We do not anticipate that this project will adversely impact any cultural resources or human remains, however if artifacts are discovered, we ask that work cease immediately and that you contact the Quapaw Nation Historic Preservation Office. An email response from the Shawnee Tribe dated 1/23/2024 we have no concerns at this time. In the even archaeological materials are encountered, please notify us to resume immediate consultation. No other responses from Tribes with an interest in this area have been received as of 2/29/2024.

Impacts of Proposed Action

Based on the proximity to the Brookes Bishop, and Wingo, Otis Theodore and Effiegene Locke, House, in relation to the Proposed Action, previous ground disturbing activities from timber harvesting and pasture establishment, and responses from Tribes listed above, FSA anticipates no impacts to known cultural resources would result from the Proposed Action. Impacts to previously unidentified historic properties, including archaeological and historic resources, could occur during land clearing and construction activities. If such resources were encountered during construction of this proposal, all activities would cease, local authorities would be notified, FSA state and national office personnel would be notified, along with Arkansas SHPO and Tribes with an interest in this area. Any potential resources discovered would be professionally evaluated for eligibility for listing on the National Register of Historic Places.

4. Water Quality

Existing Conditions

In Arkansas, the Arkansas Department of Environmental Quality (ADEQ) has the authority to enforce provisions of the Clean Water Act that are protective of water quality and to issue permits that are protective of water quality standards. This authority is delegated to ADEQ by the Environmental Protection Agency. The ADEQ Water Division issues Stormwater National Pollutant Discharge Elimination

System (NPDES) Permits to protect surface waters from contamination from runoff associated with construction. Coverage under General Permit AR1500000 is required for construction that causes ground disturbance in excess of 1 acre. Permit AR1500000 for small sites is for disturbance between 1 and 5 acres and requires operators to post required forms and documents, including a stormwater pollution prevention plan (SWPPP), on the site rather than coordinate directly with ADEQ. Permit AR 1500000 for large sites including disturbance in excess of 5 acres, required documents are submitted to ADEQ. SWPPPs are documents that describe construction activities to prevent stormwater contamination, control sedimentation and erosion, in order to prevent significant harm to surface waters and comply with the requirements of the Clean Water Act. ADEQ is also responsible for issuing Non-stormwater NPDES Permits issued to facilities that discharge water. Animal Feeding Operations and Confined Animal Feeding Operations that do not discharge into waters of the state do not require NPDES permits for ongoing operations. SEE ADEQ Reference

The Arkansas Natural Resource Commission (ANRC) Water Division is responsible for developing and implementing the Arkansas Water Plan, the state's policy for long-term water management, and for the State's Non-point Source Pollution Management Program. The Arkansas Water Plan describes each of the state's river basins. The ANRC Conservation Division supports development, management and conservation of the state's land and water resources, in part through nutrient management planning. A nutrient management plan (NMP) is a document approved by a conservation district board that assists landowners and operators in the proper management and utilization of nutrient sources for maximum soil fertility and protection of state waters. ANRC requires NMPs for farms that plan to land apply litter, sewage sludge, or commercial fertilizer within an area designated as the Nutrient Surplus Area (which includes parts of Baxter, Benton, Boone, Carrol, Crawford, Madison, Marion, Polk, Scott, Sebastian, and Washington Counties. For land application outside this area, usage of a nutrient management plan is voluntary. There is currently not a NMP for this proposed broiler farm, however the applicants would have the option to have a plan developed, if they wish to do so.

The proposal is not located within a nutrient surplus area in Arkansas. SEE APPENDIX A-11. This proposal is located within the Bear Creek-Rolling Fork water shed (HUC 12: 111401090203SEE) APPENDIX G-1. This watershed is located within the Red River basin, above Fulton. According to the Arkansas water plan this basin consists of nearly 1.5 million acres of gently rolling to mountainous areas across 6 counties in southwest Arkansas. Streams in this basin have an annual approximate average yield of 12.4 million acre feet. Land use in this basin is primarily established in forestland, followed by grasslands. REFERENCE ARKANSAS WATER PLAN.

Impacts of Proposed Action

The applicants have submitted the required plans to ADEQ and have been granted coverage under Storm water NPDES General Permit AR1500000 SEE APPENDIX C-1 and C-2. With adherence to the best management practices described in the SWPPP, minimal impacts to surface water from the proposed construction are anticipated. The proposed farm would not discharge into waters of the state and therefore no impacts to state surface waters are anticipated. Any land application of litter produced on the farm would need to comply with ANRC requirements in order to be protective of surface water quality. REFERENCE ANRC.

Based on the SWPPP, the proposal would disturb 17.2 acres. SEE APPENDIX C-1. Existing vegetation surrounding the proposed site would act as a natural buffer. BMP's including rock and hay filters and diversions would be strategically placed around the proposed site and disturbed areas. All exposed soil would eventually be mulched and seeded for stabilization. A concrete washout area would be placed on the north end of the load out pad. The proposed site would be accessed via an established entrance and exit.

The applicants would utilize a composter as a method of dead bird disposal on the proposed broiler operation, which is an approved method by ANRC. The composter would lie south of the westernmost houses.

Integrators typically require their growers to "cake out" in between flocks, which consists of removing the top few inches of litter. Depending on integrator requirements and management practices utilized by the grower, a full house clean out is typically conducted annually, where all the litter is removed from the houses. The applicants would have the option to sell this litter and have it transported off site to another location. Having a litter shed would help them store litter on site, out of the elements, until an opportune time presented itself for land application or transportation off site. The applicants would be responsible for record keeping and adherence to the recommendations of a NMP if they choose to have one developed.

In summary, the applicants have submitted a SWPPP to ADEQ, and have obtained a NPDES permit thru ADEQ for proposed construction activities to take place, which would help protect surface and ground water quality within this area and surrounding areas. These proposed measures should be adequate to help prevent contamination of stormwater off site during the construction phase of this proposed farm. The applicants would use an approved method of mortality disposal and be required to register annually should the proposal move forward.

No significant impacts to water quality are anticipated to result from the Proposed Action.

5. Air Quality

Existing Conditions

As of February 1, 2018, all of Arkansas is in attainment for all criteria pollutants established by the Environmental Protection Agency in compliance with the Clean Air Act. The proposed farm would not be required to obtain an air permit in accordance with Arkansas Air Pollution Control Regulation 18.301 since air emissions for defined criteria pollutants at the facility do not exceed the permitting thresholds considered protective of air quality. Potential air quality effects considered here include odor and dust production, which may be associated with construction activities and the ongoing operations of the farm. SEE REFERENCES

The site of the Proposed Action lies in rural Sevier County where agriculture, including livestock feeding operations, are common. Cattle, hay, and other livestock feeding operations are common in this area, including integrated poultry. According to the Sevier County Conservation District 98 poultry farms registered for the 2022 production year. According to NASS, Sevier county had 32,500 head of cattle, including calves in January of 2023. SEE APPENDIX K. Chapel Hill Cemetery borders the 103 acre tract to

the north. The nearest neighboring residences would be located .4 miles to the northwest and .4 miles to the east of the proposed site. DeQueen schools are located 1 mile to the east of the proposed site. Chapel Hill Church would be located 1.1 miles to the northwest. Small patches of mixed timber would surround the proposed site. The discharge fans on the proposed houses would face towards both the east and the west. Any trees would act as a natural buffer that would filter help filter out odors, dust, and other particulate matter emitted by the proposed poultry houses.

Arkansas Water and Air Pollution Control Act, Subchapter 3 Air Pollution exempts "Agricultural operations in the growing or harvesting of crops and the raising of fowls or animals" and the "use of equipment in agricultural operations in the growth of crops or the raising of fowls or animals." There are no local ordinances regulating odor in this area.

Impacts of Proposed Action

Construction activities that disturb the soil surface could generate dust. Such impacts would be minor, temporary and localized, generally confined to the farm property and ongoing only during construction activities. An existing driveway would be extended, covered with gravel and utilized as the entrance and exit to the proposed construction site. Exposed soils could be wet down to control fugitive dust. Similarly, during construction, minor and localized emissions associated with heavy machinery could be expected. None of these construction related impacts would have a significant or long-term adverse impact to surrounding air quality.

Should the proposal proceed, during operation of the farm, roads used by delivery trucks in between the proposed broiler houses would also be covered with gravel to minimize dust associated with travel. Dust generated while the poultry facility is in operation would occur mostly during feeding. Humidity and misting systems inside poultry houses would keep down dust, within the barns.

Odor would be controlled through management of the poultry barns' ventilation systems, as is required by integrators for flock health. The applicants would utilize a composter described in earlier sections of the EA for mortality disposal for their proposed broiler operation, which is an approved method of disposal by the Arkansas Poultry and Livestock Commission. Poultry litter on the proposed broiler operation would be stored in the (6) broiler houses which would keep it dry and reduce the impacts of odor emitted by the litter.

The poultry houses would be cleaned per integrator specifications between flocks as appropriate on an as-needed basis. Litter would be stored in accordance with ANRC regulations, either in a litter shed if the applicants choose to build one in the future, or it would be tarped in an elevated location to be kept out of the elements until it could be removed from the farm.

Dilution of odors is caused through the mixing of odors with ambient air and is a function of distance, topography, and meteorological conditions. Prevailing winds are from the west and would serve to facilitate the dispersion of odors. Based on the climate of the southeastern United States, there would be a few days in the year when weather conditions and humidity may cause odor to linger in the vicinity.

Agricultural activities contribute to GHG in several ways: Management of agricultural soils accounts for over half of agriculture emissions. Activities including fertilizer application, irrigation and tillage, can lead to production and emission of nitrous oxide. Livestock, particularly cattle, produce methane as part of their digestion accounting for almost one third of the agricultural emissions. Agriculture accounts for

10% of greenhouse gas emission. Smaller agricultural sources include methane produced by rice cultivation and the burning of crop residue, which produces methane and nitrous oxide. Odor impacts would not be expected to be significant.

6. Noise

Existing Conditions

Existing noise at the site of the proposed action is from neighboring residences and traffic along county roads. Proposed site is located .7 miles south of highway 70. Existing conditions on site are generally quiet. Noise from farm tractors and equipment, vehicle and truck traffic, and other farming and human activity does exist, but is temporary in nature. This is not a very densely populated area. Chapel Hill Cemetery borders the 103 acre tract to the north. The nearest neighboring residences would be located .4 miles to the NW and .4 miles to the east. DeQueen schools are located 1 mile to the east of the proposed site. The nearest church would be located 1.1 miles to the NW, (Chapel Hill Church).

Impacts of the Proposed Action

The Proposed Action would establish a new, four house, integrated poultry operation. Noise levels would increase slightly during normal, daylight working hours during the construction phase of this project, which typically lasts about 6 months. Upon completion, noise from the Proposed Action would permanently increase noise levels in this area; however, noise from birds would be insignificant as they are contained within the poultry houses which are set back from property lines and further muffled by insulation in between the roofs, and ceilings and solid side walls within these structures and vegetative buffers to the south, east and to the west. These measures would also aid in mitigating periodic equipment usage and truck noise associated with the movement of birds, feed, supplies and materials. Such activities would rarely take place other than during daylight hours, be infrequent in nature, of brief duration and low intensity. Similarly noise from generators would be limited to a few minutes of periodic testing and they would only operate on a temporary basis in the event of emergencies should power be lost. As such noise would be of irregular and infrequent duration it would not be significant. Additionally, Arkansas's Right to Farm Law protects operation of farms that were established prior to the use of the area surrounding the agricultural operation for nonagricultural activities and those farms which employ methods or practices commonly or reasonably associated with agricultural production. As integrated poultry production is a mainstay of the state's economy the related production methods have long been the accepted prevailing practice for widespread production both in Arkansas and throughout the country. SEE ARKANSAS RIGHT TO FARM REFERENCE

The proposed action is not expected to significantly affect ambient noise levels in the area or the nearest dwelling.

7. CUMULATIVE IMPACTS

The cumulative impacts analysis is important to understanding how multiple actions in a particular time and space (e.g., geographic area) impact the environment. The CEQ regulations define cumulative effects as "...the impact on the environment, which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such actions" (40 CFR § 1508.7). Whereas the individual impact of one project in a particular area or region may not be considered significant, numerous projects in the same area or region may cumulatively result in significant impacts.

Cumulative impacts most likely arise when a relationship exists between a proposed action and other actions occurring in a similar location or time period. Actions overlapping with or in proximity to the proposed action would be expected to have more potential for a relationship than those more geographically separated. Similarly, actions that coincide in time, may have the potential for cumulative impacts.

Establishing an appropriate scope for cumulative impacts analysis is important for producing meaningful analysis that appropriately informs agency decision making. This involves identifying geographic or temporal boundaries within which to identify other activities that could contribute to cumulative impacts to resources. Boundaries should consider ecologically and geographically relevant boundaries which sustain resources of concern. Temporal boundaries will be dependent on the length of time the effects of the proposed action are estimated to last and analysis commensurate with the project's impact on relevant past, present, and reasonably foreseeable activities within those boundaries. For example, small scale projects with minimal impacts of short duration would not likely contribute significantly to cumulative impacts. CEQ guidance (2005) reinforces this, stating:

"The scope of the cumulative impact analysis is related to the magnitude of the environmental impacts of the proposed action. Proposed actions of limited scope typically do not require as comprehensive an assessment of cumulative impacts as proposed actions that have significant environmental impacts over a large area. Proposed actions that are typically finalized with a Finding of No Significant Impact usually involve only a limited cumulative impact assessment to confirm that the effects of the proposed action do not reach a point of significant environmental impacts"

This cumulative impacts analysis focuses on the potentially affected resource (identified in section 3.2 of this document) and uses natural local boundaries to establish the geographic scope within which cumulative impacts could occur. Relevant past, present and reasonably foreseeable activities identified in Section 5.1 are based on potential geographic and temporal relationships with the proposed action within those identified boundaries. Cumulative effects on those resources are described in Section 4.2.

7.1 Past, Present and Reasonably Foreseeable Actions

Analysis of cumulative analysis is forward looking and focuses on Sevier County where the proposed action would be implemented and the related area which includes the resources of concern. The purpose is to assess if the reasonably foreseeable effects of the proposed action would have an additive relationship to other past effects that would be significant, and to examine its relationship other actions (e.g. Federal, State, local, and private activities) that are currently taking place or are expected to take place in the reasonably foreseeable future.

Federal, State, local, and private activities that are currently taking place, have occurred in the past, or may reasonably be assumed to take place in the future in the cumulative effects area include the following: According to the 2017 Census of Agriculture, there were 540 farms in Sevier County and 142,256 acres devoted to farm ground. Pastureland accounts for 48% of the land use, Woodland accounts for 27%, Cropland accounts for 21%, and 4% of the land is for other land uses. SEE APPENDIX K.

Poultry integrators have a finite processing capacity and have a need for new facilities, such as the proposed project, as older facilities are routinely retired due to functional obsolescence or otherwise phased out of production. As there is no foreseeable expectation that integrators would be having a significant expansion in processing capacity in the area, the quantity of bird produced in the area would remain relatively stable, even if the number of farms fluctuates.

7.2 Cumulative Analysis

Some resources considered for detailed analysis above (in Section 3.2) could be directly or indirectly affected by the Proposed Action and therefore the Proposed Action could contribute to additive or interactive cumulative effects to these resources. For other resources, no such contributions to cumulative effects are anticipated because no direct or indirect impacts would occur based on program requirements.

The significance of cumulative effects is dependent on how impacts compare with relevant thresholds, such as regulatory standards. Regulatory standards can restrict development by establishing thresholds of cumulative resource degradation (CEQ 1997):

"Government regulations and administrative standards...often influence developmental activity and the resultant cumulative stress on resources, ecosystems, and human communities. They also shape the manner in which a project may be operated, the amount of air or water emissions that can be released, and the limits on resource harvesting or extraction."

Cumulative effects in this analysis are described relative to regulatory standards and thresholds in accordance with CEQ guidance. FSA relies on the authority and expertise of regulatory agencies, which have broad knowledge of regional activities that could affect the sensitive resources they are responsible for protecting, and to ensure through their permitting and consultation processes that its activities are not likely to contribute to significant negative cumulative resource impacts.

7.2.1 Wildlife and Habitat

Contributions of the Proposed Action to cumulative impacts include removal of existing vegetation and the loss and fragmentation of wildlife habitat. No impacts to Threatened and Endangered Species are anticipated based on program requirements. Implementation of BMP's in the SWPPP for the proposal would help protect water quality in this area, thus protecting aquatic species in the area. The majority of the 17.2 acre site is established in mixed grasses and native forbs. Such impacts would add to vegetation and habitat lost as a result of past, present and reasonably foreseeable activities in the region of the Proposed Action including loss of native vegetation communities to agriculture, residential and commercial development and road building, recreation and other human activities. The Proposed Action would not be anticipated to result in long term or adverse impacts or to endangered species or their habitat. No cumulative impacts are anticipated based on coordination and consultation with USFWS and program requirements.

7.2.2 Cultural Resources

Based on program requirements, which call for coordination and consultation with State and Tribal Historic Preservation Offices, no impacts to known cultural resources are expected to result from the Proposed Action.

7.2.4 Water Quality

During construction of the Proposed Action there is the potential for mobilization of exposed soil; however those impacts would be temporary and minor, and minimized by adherence to terms of the SWPPP. Such impacts would add to impacts to water quality resulting from residential, municipal, industrial, and commercial development, particularly the use of septic systems, as well as runoff from roads and development, and agricultural production. Once the disturbed areas are revegetated or otherwise stabilized, no impacts to water quality would be expected. Since there are no long-terms effected to water quality, the proposed action would not be expected to contribute significantly to cumulative effects to water quality. The applicant would utilize a composter as a means of mortality disposal on the farm and would have the option to have a NMP developed for this operation if they choose to do so. Applicant has obtained the requisite plans and permits for their proposal.

7.2.5 Air Quality

The Council on Environmental Quality Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change In National Environmental Policy Act Reviews states:

The site of the Proposed Action lies in a rural area of Sevier County, AR. Surrounding stands of timber would act as a buffer to filter the odor, dust, and other particulate matter emitted by the existing and proposed poultry houses. Exhaust fans would point towards the west and towards the east.

Arkansas Water and Air Pollution Control Act, Subchapter 3 Air Pollution exempts "Agricultural operations in the growing or harvesting of crops and the raising of fowls or animals" and the "use of equipment in agricultural operations in the growth of crops or the raising of fowls or animals." There are no local ordinances regulating odor in existence is this area.

Arkansas's Right to Farm Law protects operation of farms that were established prior to the use of the area surrounding the agricultural operation for nonagricultural activities and those farms employ methods or practices commonly or reasonably associated with agricultural production. Management of agricultural soils accounts for over half of agriculture emissions. Activities including fertilizer application, irrigation and tillage, can lead to production and emission of nitrous oxide.

- Livestock, particularly cattle, produce methane as part of their digestion accounting for almost one third of the agricultural emissions.
- Manure storage and management also contribute methane and nitrous oxide, accounting for about 14 percent of the agriculture GHG emissions.
- Smaller agricultural sources include methane produced by rice cultivation and the burning of crop residue, which produces methane and nitrous oxide.

Dust would be generated from soil disturbance and equipment usage during construction and during operation as a result of equipment use, delivery trucks, and feeding systems. Such impacts would be minor, intermittent, and localized. Though such impacts are not expected to be significant, they would add to dust generated by other activities in the immediate vicinity of the farm.

Odor impacts from the proposed action including from the barns, litter storage facility, land application of litter on the farm, though not significant, would add to other sources of odor in the area including existing cattle and poultry farms nearby.

7.2.6 Noise

Increases in noise levels would be minimal compared to existing conditions. There are no local or state noise ordinances, based on Program Requirements.

7.3 IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

NEPA requires that environmental analysis include identification of any irreversible and irretrievable commitments of resources which would be involved should an action be implemented. The term irreversible refers to the loss of future options and commitments of resources that cannot be renewed or recovered, or can only be recovered over a long period. Irreversible commitments apply primarily to the use of nonrenewable resources, such as minerals or cultural resources, or to factors such as soil

productivity, that are renewable only over a long period. Irretrievable refers to the loss of production or use of natural resources. For example, when a road is built through a forest, some, or all of the timber production from an area is lost irretrievably while an area is serving as a road. The production lost is irretrievable, but the action is not irreversible. If the use changes, it is possible to resume timber production. No irreversible resource commitments would occur as a result of the Proposed Action. Irretrievable resources include those raw materials and fuels used during construction. List of Preparers and Persons and Agencies Contacted

8. List of Preparers		
Name and Title	Education and Experience	
Adam Kaufman,	BS, Crop, Soil, and Environmental Sciences	
State Environmental	Years of Experience: 15	
Coordinator, FSA, Arkansas		

Persons and Agencies Contacted			
Name and Title	Affiliation		
	Applicant/Landowner		
Scott Kaufman	Arkansas SHPO		
Darrin Cisco	Apache Tribe of Oklahoma		
Billie Burtrum	Quapaw Tribe of Indians		
Derek Hill	Caddo Nation		
Autumn Gorrell	Chickasaw Nation		
Lindsey D. Bilyeu	Choctaw Nation of Oklahoma		
Linda Langley	Coushatta Tribe of Louisiana		
Dr. Andrea Hunter	Osage Nation		
Tonya Tipton	Shawnee Tribe of Oklahoma		
Candace Russell	USDA, Farm Service Agency		
Jason Sanders	De Queen Public Schools		
Sandra Dunn	Sevier County Judge		
Patrick Henry	TSP		

8. REFERENCES

CEQ 1997. Council on Environmental Quality (CEQ). 1997. Guidance under the National Environmental Policy Act. December.

Arkansas Water Plan:

http://www.arwaterplan.arkansas.gov/plan/ArkansasWaterPlan/AppendicesUpdate.htm

National Agricultural Statistics Service (NASS):

https://www.nass.usda.gov/Statistics_by_State/Arkansas/index.php

Web Soil Survey (WSS): https://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

IPAC (Information: https://ecos.fws.gov/ipac/

FEMA: https://msc.fema.gov/portal

NEPASSIST: https://www.epa.gov/nepa/nepassist

National Agricultural Statistics Service (NASS):

https://www.nass.usda.gov/Statistics_by_State/Arkansas/index.php

Arkansas Department of Environmental Quality (ADEQ), Impaired Streams/TMDL Lists:

https://www.adeq.state.ar.us/water/

Arkansas Department of Environmental Quality (ADEQ), Rules and Regulations:

https://www.adeq.state.ar.us/regs/

Arkansas Natural Resource Commission (ANRC) Regs: http://www.anrc.arkansas.gov/rules/current-rules/

Arkansas Air Pollution Control Regulations:

https://www.adeq.state.ar.us/regs/files/reg18 final 160314.pdf

Arkansas Water.Org Sevier County:

http://arkansaswater.org//index.php?option=com_content&task=view&id=101&Item

Burns, R.T., H. Li, H. Xin, R.S. Gates, D.G. Overhults, J. Earnest, and L. Moody. 2008. Greenhouse Gas (GHG) Emissions from Broiler Houses in the Southeastern United States. Published in Proceedings of the American Society of Agricultural and Biological Engineers Agricultural and Biosystems Engineering Conference.

EPA 2021a. US Environmental Protection Agency Sources of Greenhouse Gas Emissions. Available at:

https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#agriculture

EPA 2016b. US Environmental Protection Agency Greenhouse Gas Data Explorer. Available at:

https://www3.epa.gov/climatechange/ghgemissions/inventoryexplorer/

National Forest Service: https://www.fs.usda.gov/osfnf

University of Arkansas Research and Extension: Sevier County:

https://www.uaex.uada.edu/counties/sevier/

Arkansas Air Pollution Control Regulations:

https://www.adeq.state.ar.us/regs/files/reg18 final 160314.pdf

Arkansas Right to Farm:

https://scholarworks.uark.edu/cgi/viewcontent.cgi?article=1185&context=jflp

9. EA DETERMINATION AND SIGNATURES

ENVIRONMENTAL DETERMINATION – The FSA preparer of the EA determines:

1.		Based on an examination and review of the foregoing information and supplemental				
		documentation attached hereto, I find that this proposed action would have a significant effect on the quality of the human environment and an				
	□ wou					
	Envi	ronmental Imp	oact Stateme	ent (EIS) must	be prepared;	
	□ wou	ld not have a s	significant ef	fect on the au	ality of the human environment and, therefore	
		IS will not be p	_		,	
	G11 2		леранеа.			
2.	Lrocomn	nand that the	Project App	roval Official fo	or this action make the following compliance	
۷.						
	aetermir	nations for the	e below-liste	a environmen	tal requirements.	
	Not in	In	Not			
	compliance	compliance	applicable			
	I	,		National Envi	ronmental Policy Act	
				Clean Air Act		
				Clean Water A	Act	
				Safe Drinking	Water Act	
	_			Endangered S		
					r Resources Act	
				Coastal Zone	Management Act	
					nic Rivers Act/National Rivers Inventory	
					pric Preservation Act	
				Subtitle B, Hig	thly Erodible Land Conservation, and Subtitle C,	
				Wetland Cons	servation, of the Food Security Act	
				Executive Ord	er 11988 and 13690, Floodplain Management	
				Executive Ord	er 11990, Protection of Wetlands	
				Farmland Pro	tection Policy Act	
				Department F	Regulation 9500-3, Land Use Policy	
				E.O. 12898, E	nvironmental Justice	
3.	3. I have reviewed and considered the types and degrees (context and intensity) of adverse					
	environn	nental impact:	s identified b	by this assessn	nent. I have also analyzed the proposal for its	
	consiste	ncy with FSA e	nvironment	al policies, par	ticularly those related to important farmland	
	protection	on, and have c	onsidered th	ne potential be	enefits of the proposed action. Based upon a	
	consider	ation of these	factors, from	m an environm	nental standpoint, this project may:	
	☐ Be approved without further environmental analysis and a Finding of No Significant Impact (FONSI) prepared.					
				C . I		
		Not be approv	ed because	of the reasons	identified under item b.	
S	ignature of Pre	eparer			Date	
N	Name and Title of Preparer (print)					

Environmental Determination – FSA State Environmental Coordinator determines:

Based on my review of the foregoing Environmental Assessment and related supporting documentation, I have determined:				
	The appropriate level of environmental review and assessment has been completed, and substantiates a Finding of No Significant Impact (FONSI); therefore, an EIS will not be prepared and processing of the requested action may continue without further environmental analysis. A FONSI will be prepared.			
	The Environmental Assessment is not adequate the following reason(s):	and further analysis or action is necessary for		
	☐ The Environmental Assessment has established the proposed action cannot be approved for the following reason(s):			
Additional SEC Comments:				
Signat	ure of SEC	Date		
Printe	Printed Name			