



STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION

ROY COOPER
GOVERNOR

MACHELLE SANDERS
SECRETARY

May 4, 2018

Ms. Lynn Jarvis
North Carolina Department of Commerce
Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4325

Re: SCH File # 18-E-4600-0252; Amended Application of Aulander Holloman Solar, LLC for Certificate to construct a 80 MW Solar Photovoltaic Electric Generating Facility in Bertie and Hertford Counties. Docket #SP-5259, Sub 0.

Dear Ms. Jarvis:

The above referenced environmental impact information has been reviewed through the State Clearinghouse under the provisions of the North Carolina Environmental Policy Act.

Attached to this letter are comments made in the review of this document. Because of the nature of the comments, it has been determined that no further State Clearinghouse review action on your part is needed for compliance with the North Carolina Environmental Policy Act. The attached comments should be taken into consideration in project development.

Sincerely,

A handwritten signature in blue ink that reads "Crystal Best".

Crystal Best
State Environmental Review Clearinghouse

Attachments
cc: Region Q



ROY COOPER
Governor
MICHAEL S. REGAN
Secretary

OFFICIAL COPY

May 04 2018

MEMORANDUM

To: Crystal Best
State Clearinghouse Coordinator
Department of Administration

From: Lyn Hardison
Division of Environmental Assistance and Customer Service
Environmental Assistance and Project Review Coordinator
Washington Regional Office

RE: 18-0252 (15-0497) *LBH*
Environmental Review – Amended Application of Aulander Holloman Solar, LLC for
Certificate to construct a 80 MW Solar Photovoltaic Electric Generating Facility
Bertie County

Date: May 1, 2018

The Department of Environmental Quality has completed its review of the proposal for the referenced project. The agencies have offered some valuable guidance to be performed prior to application submittal and ground disturbance which will help reduce any impacts to the natural resources, aquatic and terrestrial wildlife resources within and around the project area. The comments are attached for the applicant's review.

If the applicant has any questions pertaining to NCDEQ permitting processes, please ask them to contact Lyn Hardison, Permit Assistance Coordinator, in the Department's Washington Regional Office, (252)946-6481. The proposed project is located within her geographic working territory.

Thank you for the opportunity to respond.

Attachment



☒ North Carolina Wildlife Resources Commission ☒

Gordon Myers, Executive Director

MEMORANDUM

TO: Lyn Hardison, Environmental Assistance Coordinator
NCDEQ Division of Environmental Assistance and Outreach (DEAO)

FROM: Maria T. Dunn, Coastal Habitat Coordinator
Habitat Conservation Division *Maria T. Dunn*

DATE: April 27, 2018

SUBJECT: AMENDED Aulander Holloman, 80 MW Solar Facility, Docket #SP-5259 Sub 0, Bertie and Hertford Counties, North Carolina.
OLIA No. 18-0252

Biologists with the North Carolina Wildlife Resources Commission (NCWRC) have reviewed the subject document and we are familiar with the habitat values of the area. Our comments are provided in accordance with provisions of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667e), and North Carolina General Statutes (G.S. 113-131 et seq.).

The applicant proposes to construct an 80 MW photovoltaic solar facility located on the county line of Hertford and Bertie counties, east of NC Hwy 42 / Hwy 11 at Joe Holloman Road in Aulander, NC. Additional parcels have been added since review of OLIA No. 15-0497 and the updated address of the facility is listed as 208 Joe Holloman Road and 146 BW Brickmill Road in Aulander, NC.

The proposed project area consists of forested, timbered, and agricultural areas. In general, the NCWRC supports solar facilities located in open areas. However, the conversion of forests and wetlands to support solar development is causing increasing concern due to the loss of wildlife habitat, the fragmentation of wildlife habitat, and vegetative management needed post conversion for wetland and other forested areas. Data from the National Wetlands Inventory and reports from state agencies suggests there are wetlands within the site. Due to the importance of wetlands to wildlife, we would like to state concern with any portion of the proposed project that would impact riparian areas, wetlands, or jurisdictional stream features.

In addition to the concerns above, the following statements should be observed:

1. Maintain or establish a minimum 100-foot undisturbed, native forested buffer along each side of perennial streams and 50-foot undisturbed, native forested buffer along each side of intermittent streams and wetlands. Forested riparian buffers provide habitat areas for aquatic and terrestrial

Mailing Address: Habitat Conservation • 1721 Mail Service Center • Raleigh, NC 27699-1721
Telephone: (919) 707-0220 • **Fax:** (919) 707-0028

wildlife species and travel corridors for terrestrial wildlife. In addition, forested riparian buffers protect water quality by stabilizing stream banks and filtering stormwater runoff.

2. Use bridges for all permanent roadway crossings of streams and associated wetlands to eliminate the need to fill and culvert, where practicable. If culverts must be used, the culvert should be designed to allow aquatic life passage. Fords may be appropriate and preferred for intermittent stream crossings or where crossings will be used only once or twice a year. For fords, crossings in riffles are preferred with the banks lowered upstream and downstream of the crossing. Stabilize the stream bottom with geo-textile fabric and rock; concrete should not be used for bed stabilization.
3. Avoid or minimize impacts to wetlands during construction. In addition to providing wildlife habitat, wetland areas perform important functions of flood control and water quality protection. US Army Corps of Engineers Section 404 permits and N.C. Division of Water Resources Section 401 Certifications are required for any impacts to jurisdictional streams or wetlands. Temporarily disturbed wetland areas should be returned to original soils and contours, and reseeded with annual small grains appropriate for the season (e.g. oats, millet, rye, wheat, or rye grass) and should be allowed to revert to natural wetland vegetation.
4. The U.S. Fish and Wildlife Service (USFWS) has listed the northern long-eared bat (*Myotis septentrionalis*) as threatened under the Endangered Species Act. The northern long-eared bat is present in the county and may be present or in the vicinity of the project site. As such, consultation with the USFWS may be required. For more information, please see [http://www.fws.gov/midwest/endangered/mammals/nlecb/KevFinal 4dNLEB.html](http://www.fws.gov/midwest/endangered/mammals/nlecb/KevFinal%204dNLEB.html) or contact the USFWS at (919) 856-4520 to ensure that potential issues related to this species are addressed.
5. If additional overhead transmission lines will be installed, then measures to minimize impacts to birds should be implemented. These can include increasing line visibility, insulating wires to cover exposed connections, and increasing the distance between wires so no contact with ground or other energized wire can be made. For more information see <http://www.fws.gov/birds/documents/powerlines.pdf>.
6. Consider establishing vegetative cover on the site that is beneficial to wildlife. Plantings should include native warm season grasses and/or wildflower seed mixes to create pollinator habitat within the project boundary. Shade-tolerant plants that are grow between 12 to 18 inches can be selected for planting both underneath and around solar panels. Further information and free technical guidance from the NCWRC is available upon request.
7. If site and/or transmission line maintenance is needed, avoid mowing between April 1 and October 1 to minimize impacts to nesting wildlife. We suggest a maintenance schedule that incorporates a portion of the area (e.g., one-third of the area) each year. Pesticides, fertilizers, herbicides, and other chemicals should not be used in wetland areas or near streams.
8. If pesticides or chemicals will be used for site maintenance, then stormwater runoff from the site should be directed to bio-retention areas prior to discharge to streams or wetlands to provide additional protection for water quality and aquatic and terrestrial wildlife habitats.
9. Sediment and erosion control measures should be installed prior to any land clearing or construction. The use of biodegradable and wildlife-friendly sediment and erosion control devices

is strongly recommended. Silt fencing, fiber rolls and/or other products should have loose-weave netting that is made of natural fiber materials with movable joints between the vertical and horizontal twines. Silt fencing or similar materials that have been reinforced with plastic or metal mesh should be avoided as they impede the movement of terrestrial wildlife species. All sediment and erosion control measures should be routinely inspected and properly maintained. Excessive silt and sediment loads can have numerous detrimental effects on aquatic resources including destruction of spawning habitat, suffocation of eggs, and clogging of gills of aquatic species.

10. A plan should be developed that identifies the party responsible for decommissioning the facility as well as the conditions under which decommissioning will occur. In addition, the plan should emphasize that all equipment must be removed from the sites, and the land should be restored to pre-construction conditions.
11. Measures to mitigate secondary and cumulative impacts can be found in NCWRC's *Guidance Memorandum to Address and Mitigate Secondary and Cumulative Impacts to Aquatic and Terrestrial Wildlife Resources and Water Quality* (August 2002; http://www.ncwildlife.org/Portals/0/Conserving/documents/2002_GuidanceMemorandumforSecondaryandCumulativeImpacts.pdf).

Thank you for the opportunity to comment on this project. If our agency can be of further assistance, please contact me at (252) 948-3916 or at maria.dunn@ncwildlife.org.



Coastal Management
ENVIRONMENTAL QUALITY

ROY COOPER
Governor

WILLIAM G. ROSS JR.
Secretary

BRAXTON DAVIS
Director

MEMORANDUM:

TO: Lynn Hardison, Environmental Assistance and SEPA Coordinator

FROM: Gregg Bodnar, DCM Assistant Major Permits Coordinator 

SUBJECT: 18-0252 Aulander Holloman Solar, LLC.

DATE: 4/30/18

I have reviewed the proposed development of the Aulander Holloman Solar proposal in Hertford and Bertie Counties, as it relates to the Coastal Area Management Act. After review of the location of proposed development, Division of Coastal Management (DCM) Staff in the Washington Regional Office has determined the proposed location is outside DCM jurisdiction. DCM does claim jurisdiction of Turkey Creek at the HWY 42/11 crossing. Therefore, any additional development that may fall within DCM jurisdiction may require review. For this determination please contact the DCM Washington Regional Office at (252) 948-3851 for this determination. The DCM Fisheries Resource Specialist provided a No Comment.

Thank you for the opportunity to review the project and provide comment.

Contact Gregg Bodnar at (252) 808-2808 ext. 215 or gregg.bodnar@ncdenr.gov with further questions or concerns.

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
Project Number: 18-0252 (15-0497) Due Date: 04/30/2018
County: Hertford/Bertie

After review of this project it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained in order for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility-granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input checked="" type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input checked="" type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$65 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with <u>Local Government's</u> approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input checked="" type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

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State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
Project Number: 18-0252 (15-0497) Due Date: 04/30/2018
County: Hertford/Bertie

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	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to: prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days (N/A)
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application form.	10 days (N/A)
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days (N/A)
<input type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
Project Number: 18-0252 (15-0497) Due Date: 04/30/2018
County: Hertford/Bertie

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ	FDB	<input checked="" type="checkbox"/>	No Comments	4/16/18
DWR-WQROS (Aquifer & Surface)	&	<input type="checkbox"/>	Based on a review of the amended application for addition of 90 acres to the proposed 80 MW Solar Photovoltaic Electric Facility located 208 Joe Holloman Road and 146 B West Brickmill Road in Aulander, Bertie and Hertford Counties, mapped partially hydric and hydric Soils Series are located on the subject site according to the Natural Resource Conversation Service (NRCS) Web Soil Survey. Therefore, the following comments were points of consideration when considering the development of this project. Review of the subject project found no mention of possible existence or impacts to jurisdictional wetlands, streams and/or waters within the footprint of the proposed project. This Office highly recommends coordinating with the United States Army Corps of Engineers (USACOE) concerning identification of any jurisdictional features and the required permitting that may be involved prior to the implementation of this project. Anthony Scarbraugh &	4/6/18 / /
DWR-PWS	NA	<input type="checkbox"/>	NA	/ /
DEMLR (LQ & SW)	SD	<input type="checkbox"/>	E&S and SW required	4/9/18
DWM – UST	SNH	<input type="checkbox"/>	See attached comments	4/18/18
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

☐ **Asheville Regional Office**
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043

☐ **Fayetteville Regional Office**
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707

☐ **Mooresville Regional Office**
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040

☐ **Raleigh Regional Office**
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718

☒ **Washington Regional Office**
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716

☐ **Wilmington Regional Office**
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004

☐ **Winston-Salem Regional Office**
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797

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May 04 2018



ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL SCOTT
Director

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May 04 2018

TO: Lyn Hardison, Environmental Coordinator

FROM: Sylvia Newsom-Hunneke, Regional UST Supervisor

COPY: Scott Bullock, Corrective Action Branch Head

COPY: Sharon Brinkley, Administrative Secretary

DATE: April 18, 2018

RE: Environmental Review – Project Number 18-0252–Certificate to construct an 80 MW Solar Photovoltaic Electric Generating facility in Bertie and Hertford Counties.

I searched the Petroleum Underground Storage Tank (UST) and Non-UST Databases and two Non-UST sites were found near the project area; Reb Boone Residence, UST Incident #85231 located at 1517B Highway 11 South, this site was issued a “No Further Action” (NFA) status on 6/23/2010 and Atlantic Trucking, UST Incident # 93322 located at lat.36.261814, long.-77.069903 along Highway 11, this site was issued NFA on 11/6/17. To review these files, call Pamela Cade at the Washington Regional Office (252) 946-6481.

I reviewed the above proposal and determined that this project should not have any adverse impact upon groundwater. The following comments are pertinent to my review:

1. The Washington Regional Office (WaRO) UST Section recommends removal of any abandoned or out-of-use petroleum USTs or petroleum above ground storage tanks (ASTs) within the project area. The UST Section should be contacted regarding use of any proposed or on-site petroleum USTs or ASTs. We may be reached at (252) 946-6481.
2. Any petroleum USTs or ASTs must be installed and maintained in accordance with applicable local, state, and federal regulations. For additional information on petroleum ASTs it is advisable that the North Carolina Department of Insurance at (919) 661-5880 ext. 239, USEPA (404) 562-8761, local fire department, and Local Building Inspectors be contacted.
3. Any petroleum spills must be contained and the area of impact must be properly restored. Petroleum spills of significant quantity must be reported to the North Carolina Department of Environmental Quality – Division of Waste Management Underground Storage Tank Section in the Washington Regional Office at (252) 946-6481.
4. Any soils excavated during demolition or construction that show evidence of petroleum contamination, such as stained soil, odors, or free product must be reported immediately to the local Fire Marshall to determine whether explosive or inhalation hazards exist. Also, notify the UST Section of the Washington Regional Office at (252) 946-6481. Petroleum contaminated soils must be handled in accordance with all applicable regulations.
5. Any questions or concerns regarding spills from petroleum USTs, ASTs, or vehicles should be directed to the UST Section at (252) 946-6481.

If you have any questions or need additional information, please contact me at 252-948-3908.

**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

APR - 3 2018

COUNTY: BERTIE
HERTFORD

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 18-E-4600-0252
DATE RECEIVED: 04/03/2018
AGENCY RESPONSE: 04/30/2018
REVIEW CLOSED: 05/03/2018

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May 04 2018

MS CINDY WILLIAMS
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT
FLOODPLAIN MANAGEMENT PROGRAM
4218 MAIL SERVICE CENTER
RALEIGH NC

REVIEW DISTRIBUTION

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DEPT OF ENVIR. QUALITY - COASTAL MG
DEPT OF ENVIRONMENTAL QUALITY
DEPT OF NATURAL & CULTURAL RESOURCE
DEPT OF TRANSPORTATION
DNCR - NATURAL HERITAGE PROGRAM
DOA - COMMISSION OF INDIAN AFFAIRS
DPS - DIV OF EMERGENCY MANAGEMENT
MID EAST COMMISSION

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APR 12 2018

Office
DOA

PROJECT INFORMATION

APPLICANT: N.C. Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

DESC: Amended Application of Aulander Holloman Solar, LLC for Certificate to construct a 80 MW Solar Photovoltaic Electric Generating Facility in Bertie and Hertford Counties. Docket #SP-5259, Sub 0. - View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5259 Sub 0 in the Docket Number search line.

Located at 111 East Brickman Road, near Millennium, NC

Amended due to the removal of a parcel and the addition of parcels located south/north of NC Hwy 42 and east of Indian Spring Road.

CROSS-REFERENCE NUMBER: 15-E-4600-0497

The attached project has been submitted to the N. C. State Clearinghouse for intergovernmental review. Please review and submit your response by the above indicated date to 1301 Mail Service Center, Raleigh NC 27699-1301.

If additional review time is needed, please contact this office at (919)807-2425.

AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☒ NO COMMENT ☐ COMMENTS ATTACHED

SIGNED BY:

Dawn K. Kibbey

DATE:

4/6/18

not in SFHA

**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

COUNTY: BERTIE
HERTFORD

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 18-E-4600-0252
DATE RECEIVED: 04/03/2018
AGENCY RESPONSE: 04/30/2018
REVIEW CLOSED: 05/03/2018

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May 04 2018

MR GREG RICHARDSON
CLEARINGHOUSE COORDINATOR
DOA - COMMISSION OF INDIAN AFFAIRS
1317 MAIL SERVICE CENTER
RALEIGH NC

REVIEW DISTRIBUTION

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DEPT OF TRANSPORTATION
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DPS - DIV OF EMERGENCY MANAGEMENT
MID EAST COMMISSION



PROJECT INFORMATION

APPLICANT: N.C. Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

DESC: Amended Application of Aulander Holloman Solar, LLC for Certificate to construct a 80 MW Solar Photovoltaic Electric Generating Facility in Bertie and Hertford Counties. Docket #SP-5259, Sub 0. - View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5259 Sub 0 in the Docket Number search line.

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SIGNED BY: 

DATE: 4/6/18

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APR 09 2018

Office
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**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

COUNTY: BERTIE
HERTFORD

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 18-E-4600-0252
DATE RECEIVED: 04/03/2018
AGENCY RESPONSE: 04/30/2018
REVIEW CLOSED: 05/03/2018

MR RODNEY BUTLER
CLEARINGHOUSE COORDINATOR
DNCR - NATURAL HERITAGE PROGRAM
1651 MAIL SERVICE CENTER
RALEIGH NC

REVIEW DISTRIBUTION

DEPT OF AGRICULTURE
DEPT OF ENVIR. QUALITY - COASTAL MG
DEPT OF ENVIRONMENTAL QUALITY
DEPT OF NATURAL & CULTURAL RESOURCE
DEPT OF TRANSPORTATION
DNCR - NATURAL HERITAGE PROGRAM
DOA - COMMISSION OF INDIAN AFFAIRS
DPS - DIV OF EMERGENCY MANAGEMENT
MID EAST COMMISSION

PROJECT INFORMATION

APPLICANT: N.C. Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

DESC: Amended Application of Aulander Holloman Solar, LLC for Certificate to construct a 80 MW Solar Photovoltaic Electric Generating Facility in Bertie and Hertford Counties. Docket #SP-5259, Sub 0. - View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5259 Sub 0 in the Docket Number search line.

Located at 111 East Brickman Road, near Millennium, NC

Amended due to the removal of a parcel and the addition of parcels located south/north of NC Hwy 42 and east of Indian Spring Road.

CROSS-REFERENCE NUMBER: 15-E-4600-0497

The attached project has been submitted to the N. C. State Clearinghouse for intergovernmental review. Please review and submit your response by the above indicated date to 1301 Mail Service Center, Raleigh NC 27699-1301.

If additional review time is needed, please contact this office at (919)807-2425.

AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☐ NO COMMENT ☒ COMMENTS ATTACHED

SIGNED BY:

M. Wurf

DATE:

4/17/18

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May 04 2018



**North Carolina Department of Natural and Cultural Resources
Natural Heritage Program**

Governor Roy Cooper

Secretary Susi H. Hamilton

NCNHDE-5818

April 17, 2018

Attn: Crystal Best
North Carolina Clearing House

RE: ClearingHouse 18-0252

Dear North Carolina ClearingHouse:

The North Carolina Natural Heritage Program (NCNHP) appreciates the opportunity to provide information about natural heritage resources for the project referenced above.

A query of the NCNHP database indicates that there are records for rare species, important natural communities, natural areas, or conservation/managed areas within the proposed project boundary. These results are presented in the attached 'Documented Occurrences' tables and map.

The attached 'Potential Occurrences' table summarizes rare species and natural communities that have been documented within a one-mile radius of the property boundary. The proximity of these records suggests that these natural heritage elements may potentially be present in the project area if suitable habitat exists and is included for reference. Tables of natural areas and conservation/managed area within a one-mile radius of the project area, if any, are also included in this report.

Please note that natural heritage element data are maintained for the purposes of conservation planning, project review, and scientific research, and are not intended for use as the primary criteria for regulatory decisions. Information provided by the NCNHP database may not be published without prior written notification to the NCNHP, and the NCNHP must be credited as an information source in these publications. Maps of NCNHP data may not be redistributed without permission.

Also please note that the NC Natural Heritage Program may follow this letter with additional correspondence if a Dedicated Nature Preserve (DNP), Registered Heritage Area (RHA), Clean Water Management Trust Fund (CWMTF) easement, or an occurrence of a Federally-listed species is documented near the project area.

If you have questions regarding the information provided in this letter or need additional assistance, please contact Rodney A. Butler at rodney.butler@ncdcr.gov or 919.707.8603.

Sincerely,
NC Natural Heritage Program

MAILING ADDRESS:
1651 Mail Service Center
Raleigh, NC 27699-1651

Telephone: (919) 707-8107
www.ncnhp.org

LOCATION:
121 West Jones Street
Raleigh, NC 27603

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May 04 2018

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Intersecting the Project Area
ClearingHouse 18-0252
April 17, 2018
NCNHDE-5818

Element Occurrences Documented Within Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Crustacean	32909	Orconectes virginienensis	Chowanoke Crayfish	2012-10-25	E	3-Medium	Species of Concern	Special Concern	G3	S3

No Natural Areas are Documented within the Project Area

Managed Areas Documented Within Project Area*

Managed Area Name	Owner	Owner Type
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State

* NOTE: If the proposed project intersects with a conservation/managed area, please contact the landowner directly for additional information. If the project intersects with a Dedicated Nature Preserve (DNP), Registered Natural Heritage Area (RHA), or Federally-listed species, NCNHP staff may provide additional correspondence regarding the project.

Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/content/help>. Data query generated on April 17, 2018; source: NCNHP, Q2 April 2018. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Within a One-mile Radius of the Project Area
ClearingHouse 18-0252
April 17, 2018
NCNHDE-5818

Element Occurrences Documented Within a One-mile Radius of the Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Butterfly	34487	Neonympha helicta	Helicta Satyr	1980-Pre	H	5-Very Low	---	Significantly Rare	G3G4	S1?
Crustacean	32909	Orconectes virginienensis	Chowanoke Crayfish	2012-10-25	E	3-Medium	Species of Concern	Special Concern	G3	S3

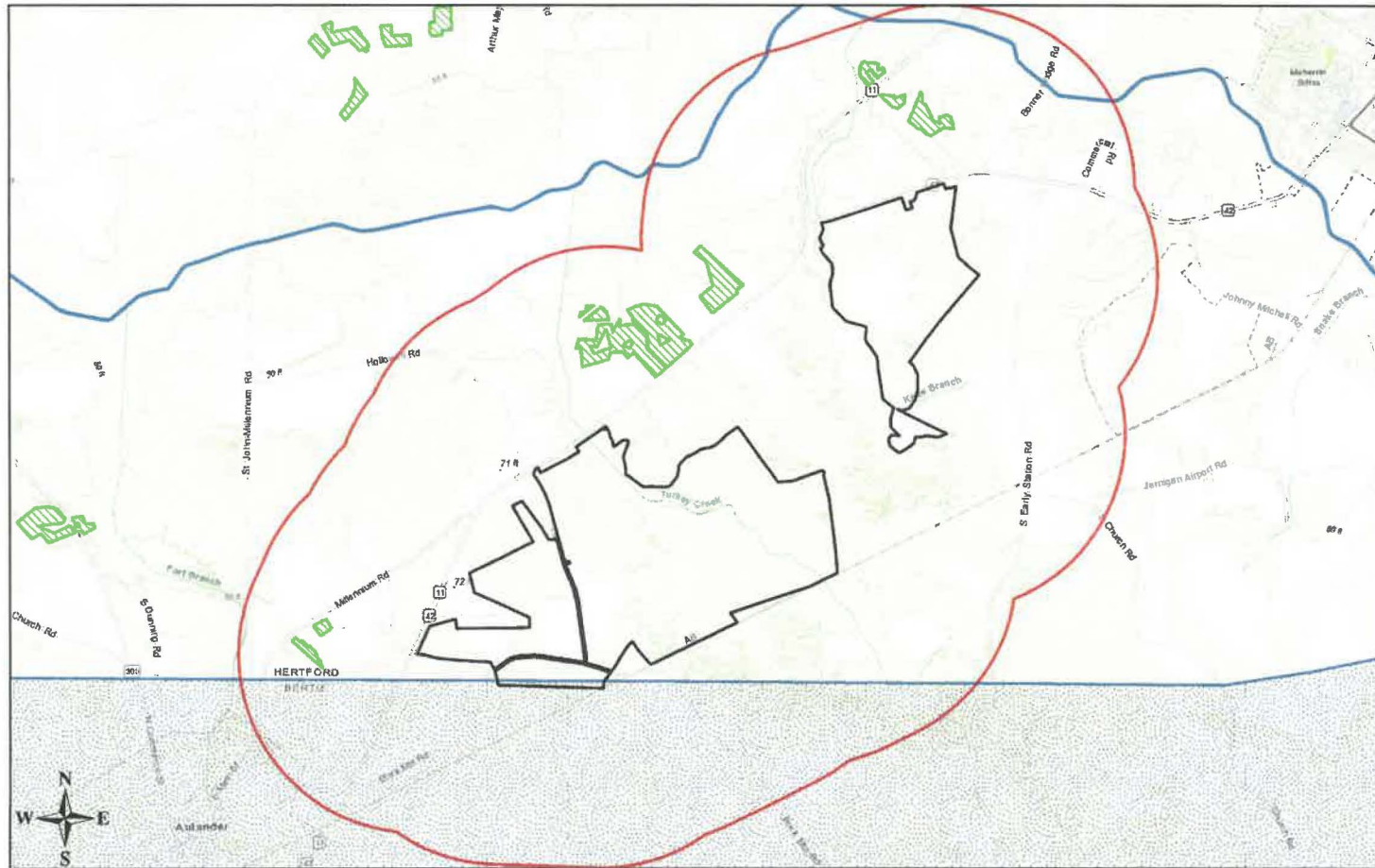
No Natural Areas are Documented Within a One-mile Radius of the Project Area

Managed Areas Documented Within a One-mile Radius of the Project Area

Managed Area Name	Owner	Owner Type
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State

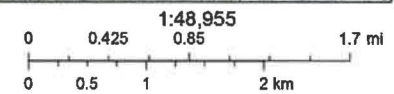
Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/content/help>. Data query generated on April 17, 2018; source: NCNHP, Q2 April 2018. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

NCNHDE-5818: ClearingHouse 18-0252



April 17, 2018

- Project Boundary
- Buffered Project Boundary
- Natural Heritage Element Occurrence (NHEO)
- Managed Area (MAREA)



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community