

STATE OF NORTH CAROLINA DEPARTMENT OF ADMINISTRATION

ROY COOPER GOVERNOR MACHELLE SANDERS SECRETARY

February 5, 2019

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

Re: SCH File # 19-E-4600-0156; Amended Application of Overman Solar, LLC for

Certificate to construct a 5 MW Solar Facility in Wayne Co.

Docket #SP-5261, 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,

Crystal Best

State Environmental Review Clearinghouse

Attachments cc: Region P



ROY COOPER

Governor

MICHAEL S. REGAN

Secretary

IAMIE RAGAN

Director

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:

19-0156 (15-0509)

Environmental Review - Amended Application of Overman Solar, LLC for the

Certificate to construct a 5 MW Solar Facility

Wayne County

Date:

February 1, 2019

The Department of Environmental Quality has completed its review of the proposal for the referenced project. Based on the information provided, our agencies have offered some valuable guidance to be performed prior to application submittals and ground disturbance which will help reduce any impacts to the natural resources within 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)948-3842. The proposed project is located within her geographic working territory.

Thank you for the opportunity to respond.

Attachment





Gordon Myers, Executive Director

MEMORANDUM

TO:

Lyn Hardison, Environmental Assistance and SEPA Coordinator

NCDEQ Division of Environmental Assistance and Customer Services

FROM:

Gabriela Garrison

Eastern Piedmont Coordinator

Habitat Conservation

DATE:

January 30, 2019

SUBJECT:

Comments on Overman Solar, LLC Solar Facility in Wayne County; Project Number 19-

Gabrile Garrion

0156.

Biologists with the North Carolina Wildlife Resources Commission (NCWRC) have reviewed the proposed project description. Comments are provided in accordance with certain provisions of the North Carolina Environmental Policy Act (G.S. 113A-1 through 113A-10; 1 NCAC 25) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

Overman Solar, LLC proposes to construct a 5 MW solar photovoltaic electric generating facility in Wayne County; this project was previously circulated under Project #15-0509. The site would be located at 191 Herring Road, southwest of Goldsboro. A map of the proposed location (provided with the application materials) suggests the project is sited on primarily cleared land. If the project footprint is limited to the area as indicated, there should be limited impacts to streams and wetlands. Solar projects should be sited to avoid impacts to wetlands, streams, riparian buffers and priority wildlife habitat.

Aerial maps and images indicate Edwards Branch bisects the project site. The NCWRC offers the following recommendations to minimize impacts to aquatic and terrestrial wildlife resources:

- 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 and travel corridors for
 wildlife species. In addition, forested riparian buffers protect water quality by stabilizing stream
 banks and filtering stormwater runoff.
- 2. The project footprint should be surveyed for wetlands and streams to ensure there are no impacts to surface waters. In addition to providing wildlife habitat, wetland areas and streams aid in flood control and water quality protection. United States Army Corps of Engineers Section 404 Permits and NC Division of Water Resources Section 401 Certifications are required for any impacts to jurisdictional streams or wetlands. Temporarily disturbed wetland areas should be

Mailing Address: Habitat Conservation • 1721 Mail Service Center • Raleigh, NC 27699-1721

Telephone: (919) 707-0220 • **Fax:** (919) 707-0028

Page 2

January 30, 2019 Overman Solar, LLC DEQ Project No. 19-0156

returned to original soils and contours, reseeded with annual small grains appropriate for the season (e.g. oats, millet, rye, wheat or rye grass) and allowed to revert to natural wetland vegetation.

- 3. 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.
- 4. The solar facility will connect to existing utility lines; impacts to wildlife habitat will be minimized by connecting along pathways that do not contain quality wildlife habitat, such as cleared or agricultural land. If additional overhead transmission lines will be installed, 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.
- 5. If site and/or transmission line maintenance is needed, avoid mowing between April 1 and October 1 to minimize impacts to nesting wildlife. Use 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.
- 6. If pesticides or chemicals will be used for site maintenance, stormwater runoff from the site should be funneled to bio-retention areas prior to discharge to streams or wetlands to provide additional protection for water quality and aquatic and terrestrial wildlife habitats.
- 7. Consider planting native, wildflower seed mixes that will create pollinator habitat within the project boundary. Shade-tolerant plants that are within 12 to 18 inches can be selected for plantings both underneath and around the solar panels. Pollinator habitat can also be created in buffer areas outside of the panel region. In addition, consider adding other habitat-enhancing features, such as permeable fencing, bird/bat boxes and brush piles that will minimize impacts from habitat loss. Further information and free technical guidance from the NCWRC is available upon request.
- 8. 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. Excessive silt and sediment loads can have detrimental effects on aquatic resources including destruction of spawning habitat, suffocation of eggs and clogging of gills.
- 9. Develop a plan 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 site, and the land should be restored to pre-construction conditions.

Thank you for the opportunity to review and comment on this project. If I can be of further assistance, please contact me at (910) 409-7350 or gatrison@ncwildlife.org.

Reviewing Regional Office: Washington
Project Number: 19-0156 (15-0509) Due Date: 1/30/2019

ounty: Wayne

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)		
	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. Postapplication technical conference usual.	30 days (90 days)		
	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)		
	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)		
	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)		
	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)		
	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)		
	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).				
×	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)		
	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)		
×	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				
	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular				
	Sedimentation and erosion control must be addressed in accordance withLocal Government'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.				
	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.				
	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-				

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

Reviewing Regional Office: <u>Washington</u>
Project Number: <u>19-0156 (15-0509)</u> Due Date: <u>1/30/2019</u>

County: Wayne

 I	T	N I D				
PERMITS	Normal Process Time (statutory time limit)					
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.						
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)				
Oil Refining Facilities	N/A	90-120 days (N/A)				
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				
Geophysical Exploration Permit	10 days N/A					
State Lakes Construction Permit	15-20 days N/A					
401 Water Quality Certification	60 days (130 days)					
discharge into navigable water as described in 33 CFR part 323. 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						
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://deg.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information						
CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)				
CAMA Permit for MINOR development	22 days (25 days)					
Abandonment of any wells, if required must be in						
Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.						
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, 30 days 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.						
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.						
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: <u>Washington</u>
Project Number: <u>19-0156 (15-0509)</u> Due Date: <u>1/30/2019</u>

County: Wayne

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

Division	Initials	No comment	Comments	Date Review
DAQ				/ /
DWR-WQROS (Aquifer & Surface)	&ADS		& Coordinate with Unites States Army Corps of Engineers concerning identification of any jurisdictional wetlands and/or water and any associated permitting that may be involved prior to the implementation of this project. Coordinate with Division of Water Resources of concerning the identification of feature(s) that may be subject to the Neuse River Riparian Buffer Rules prior to implementation of this project.	/ / 1/8/19
DWR-PWS		 		11
DEMLR (LQ & SW)			> one acre of land disturbance requires an approved Erosion & Sediemntation Control plan	1 1
DWM – UST				//
Other Comments				//

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 Mail, 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

NORTH CAROLINA STATE CLEARINGHOUSE DEPARTMENT OF ADMINISTRATION

INTERGOVERNMENTAL REVIEW

COUNTY: WAYNE

H11: ENERGY RELATED FACILITIES/ACTIVITIES STATE NUMBER:

19-E-4600-0156

DATE RECEIVED:

01/03/2019

AGENCY RESPONSE: 01/30/2019

REVIEW CLOSED:

02/04/2019

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

REVIEW DISTRIBUTION

RALEIGH NC

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

DPS - DIV OF EMERGENCY MANAGEMENT

EASTERN CAROLINA COUNCIL

PROJECT INFORMATION

APPLICANT: North Carolina Department of Commerce

TYPE: State Environmental Policy Act

Environmental Review

DESC: Amended Application of Overman Solar, LLC for Certificate to construct a 5 MW Solar Facility in Wayne Co. Docket #SP-5261, Sub 0. - View document at

http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx, Type SP-5261

Sub 0 in the Docket Number search line.

Located at 191 Herring Road, Goldsboro, NC

Amended due to the additional land added to the facility site.

CROSS-REFERENCE NUMBER: 15-E-4600-0509

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:	DATE:



NORTH CAROLINA STATE CLEARINGHOUSE DEPARTMENT OF ADMINISTRATION INTERGOVERNMENTAL REVIEW



COUNTY: WAYNE

H11: ENERGY RELATED

FACILITIES/ACTIVITIES

STATE NUMBER:

19-E-4600-0156

DATE RECEIVED:

01/03/2019

AGENCY RESPONSE: 01/30/2019

REVIEW CLOSED:

02/04/2019

MS RENEE GLEDHILL-EARLEY CLEARINGHOUSE COORDINATOR DEPT OF NATURAL & CULTURAL RESOURCE STATE HISTORIC PRESERVATION OFFICE MSC 4617 - ARCHIVES BUILDING RALEIGH NC

DEPT OF ENVIR. QUALITY - COASTAL MG

DEPT OF NATURAL & CULTURAL RESOURCE

DEPT OF ENVIRONMENTAL QUALITY

DNCR - NATURAL HERITAGE PROGRAM DPS - DIV OF EMERGENCY MANAGEMENT Received: 01/08/2019

State Historic Preservation Office

CH 15-0701

Due -- 1/16/19

EASTERN CAROLINA COUNCIL PROJECT INFORMATION

DEPT OF TRANSPORTATION

REVIEW DISTRIBUTION DEPT OF AGRICULTURE

APPLICANT: North Carolina Department of Commerce

TYPE: State Environmental Policy Act

Environmental Review

Due -- 1/2-3/6

DESC: Amended Application of Overman Solar, LLC for Certificate to construct a 5 MW Solar Facility in Wayne Co. Docket #SP-5261, Sub 0. - View document at http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx, Type SP-5261

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SIGNED BY:		ill-Earle					.25.	_
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NORTH CAROLINA STATE CLEARINGHOUSE DEPARTMENT OF ADMINISTRATION INTERGOVERNMENTAL REVIEW

JAN 0 7 2018

COUNTY: WAYNE

H11: ENERGY RELATED

FACILITIES/ACTIVITIES

STATE NUMBER:

REVIEW CLOSED:

19-E-4600-015

DATE RECEIVED:

01/03/2019

AGENCY RESPONSE: 01/30/2019

RECEIVED

Secretary's

JAN 1 4 2019

Office

02/04/2019

MS CINDY WILLIAMS

CLEARINGHOUSE COORDINATOR

DPS - DIV OF EMERGENCY MANAGEMENT

FLOODPLAIN MANAGEMENT PROGRAM

4218 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

DPS - DIV OF EMERGENCY MANAGEMENT

EASTERN CAROLINA COUNCIL

PROJECT INFORMATION

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AS A RESULT	OF THIS REVIEW	THE FOLLOWING	IS SUBMITTED:	NO COMMEN	r N	COMMENTS ATTACHED
SIGNED BY:	- 11	rlong	·		ATE:	1/8/19
	/	Who ST	THA			