



STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION

Roy Cooper
GOVERNOR

Pamela B. Cashwell
Secretary

September 14, 2021

Kimberley Campbell
North Carolina Department of Commerce
Utilities Commission
4325 Mail Service Center
Raleigh, NC 27699-4325

Re: SCH File # 22-E-4600-0028 Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility in Currituck Co. Docket #EMP-117 Sub 0.
View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type EMP-117 Sub 0 in the Docket Number search line. Located at Intersected a

Dear Kimberley Campbell:

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

Mailing Address:
NC DEPARTMENT OF ADMINISTRATION
1301 MAIL SERVICE CENTER
RALEIGH, NC 27699-1301

Telephone: (919)807-2425
Fax: (919)733-9571
COURIER: #51-01-00
Email: state.clearinghouse@doa.nc.gov
Website: www.ncadmin.nc.gov

Location:
116 WEST JONES STREET
RALEIGH, NORTH CAROLINA

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Sep 15 2021

Control No.: 22-E-4600-0028

Date Received: 8/13/2021

County.: CURRITUCK

Agency Response: 9/13/2021

Review Closed: 9/13/2021

LYN HARDISON
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: State Environmental Policy Act ironmental Review

Applicant: North Carolina Department of Commerce

Project Desc.: Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility in Currituck Co. Docket #EMP-117 Sub 0.
View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type EMP-117 Sub 0 in the Docket Number search line. Located at Intersected and bound on the east by East Ridge Road, bound on the west by Shawboro and Indiantown Roads in Shawboro, North Carolina.

As a result of this review the following is submitted:

☐ No Comment

☐ Comments Below

☒ Documents Attached

Reviewed By: LYN HARDISON

Date: 9/10/2021



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Crystal Best
State Clearinghouse
NC Department of Administration

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

RE: 22-0028
Environmental Review - Application of Shawboro East Ridge Solar,
LLC for Certificate to construct a 150 MW Solar Facility, Docket
#EMP-117 Sub 0.
Currituck County

Date: September 10, 2021

The Department of Environment Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance to help minimize impacts to aquatic and terrestrial wildlife resources in and around the project site. The comments are attached for the applicant's review.

A project of this size should have a Scoping meeting to discuss the full scope of the project with the State and Federal permitting and resources agencies. The meeting is design to discuss all permits that will be required, any potential environmental impacts that may be present and will improve the permitting processes. Please ask the applicant to contact Lyn Hardison, Permit Assistance Coordinator, in the Department's Washington Regional office, to coordinate a scoping meeting. Her contact information is 252-948-3842 and lyn.hardison@ncdenr.gov.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality
217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601
919.707.8600

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Sep 15 2021




North Carolina Wildlife Resources Commission

Cameron Ingram, 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 

DATE: September 10, 2021

SUBJECT: Shawboro East Ridge Solar, LLC, 150 MW Solar Facility, Docket #EMP-117 Sub 0,
Currituck County, North Carolina.
OLIA No. 22-0028

Biologists with the North Carolina Wildlife Resources Commission (NCWRC) have reviewed the subject document and are familiar with the habitat values of the area. Our comments are provided in accordance with provisions of North Carolina General Statutes (G.S. 113-131 et seq.) Sections 401 and 404 of the Clean Water Act, as amended, and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.).

The applicant proposes to construct a 150 MW solar facility bounded to the east by East Ridge Road and to the west by Shawboro and Indiantown Roads in Shawboro, NC.

A map of the proposed project site indicates the area is primarily maintained in agriculture. 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. Agricultural lands in eastern North Carolina often provide foraging opportunities for migratory waterfowl, especially in areas near natural waterbodies. The photovoltaic panels may reflect sunlight and resemble a water surface, potentially drawing waterfowl into land. We request that if this facility is constructed, any fatalities or injured birds be reported to NCWRC. It should also be noted that as agricultural lands are transformed into solar facilities, winter foraging habitats for migratory waterfowl are lost. The cumulative loss of land may be of significant concern in time.

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 suggests there is likely a freshwater wetland area 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. Proposed development in areas with wetland impacts should be avoided.

The US 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/nleb/KeyFinal_4dNLEB.html or contact the USFWS at (919) 856-4520 to ensure that potential issues related to this species are addressed.

Areas in northeast North Carolina generally exhibit slight differences in topography. These slight elevation changes as well as prevalent soil types can produce substantial drainage shifts when flow patterns are altered. Careful consideration should be given to any filling of drainage features.

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

1. Impacts to wetlands should be avoided or minimized to the greatest extent practicable. 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 NC Division of Water Resources Section 401 Certifications are required for any impacts to jurisdictional streams or wetlands. Wetland surveys should be conducted to guide project development, prior to any site disturbance. 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.
2. The federally listed northern long-eared bat is present in Currituck County. Contact with the USFWS, as referenced above, should be done prior to any site disturbance that involves timbering existing woodlands.
3. 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 wildlife species and travel corridors for terrestrial wildlife. In addition, forested riparian buffers protect water quality by stabilizing stream banks and filtering stormwater runoff.
4. 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.
5. 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.

6. 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>.
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. 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 are available upon request.
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

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

Reviewing Regional Office: Washington
Project Number: 22-0028 Due Date: 9/9/2021
County: Currituck

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.O100 thru 2Q.O300)	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.O113).	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 _____ Local 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.		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: 22-0028 Due Date: 9/9/2021
County: Currituck

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Sep 15 2021

	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: 22-0028 Due Date: 9/9/2021
County: Currituck

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	8/16/2021
DWR-WQROS (Aquifer & Surface)	&	<input type="checkbox"/>	<p>Suggested to have a scoping meeting to include State and Federal regulatory and resource agencies to gain input and guidance to prevent unnecessary violations and environmental impacts.</p> <p>It is recommended to schedule a site visit with 401 Water quality staff to discuss the proposal and to ensure compliance will be maintained per 401 surface Water requirements, surface water standards and buffer rules.</p> <p>If wetland, riparian buffers or stream impacts are proposed, this project will need to comply with/secure a 404 permit from the USACE, obtain a 401 Water Quality Certification authorization and a riparian buffer authorization. &</p>	/ /
DWR-PWS		<input type="checkbox"/>		/ /
DEMLR (LQ & SW)	SD	<input type="checkbox"/>	E&SC and SW required	8/17/2021
DWM – UST	SNH	<input type="checkbox"/>	See attached comments	9/9/2021
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

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

- | | | |
|---|--|--|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooreville Regional Office
610 East Center Avenue, Suite 301,
Mooreville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input checked="" type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |
| | <input type="checkbox"/> Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797 | |

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



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: September 9, 2021

RE: Environmental Review – Project Number 22-0028– Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility in Currituck County.

I searched the Petroleum Underground Storage Tank (UST) and Non-UST Databases and review of those databases did not indicate any petroleum releases within the proposed project area. 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.





MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Drew Hammonds, Eastern District Supervisor - Solid Waste Section

DATE: September 7, 2021

SUBJECT: Review: SW 22-0028 – Currituck County (ER – NC Dept of Commerce – Application for Shawboro East Ridge Solar LLC for Certificate to construct a 150MW solar facility)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Currituck County, NC. Based on the information provided in these documents, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities, which would affect this project.

As always for any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, Shawboro East Ridge Solar LLC and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the projects that cannot be beneficially reused or recycled must be disposed of at a solid waste management facility permitted by the Division. The Section strongly recommends that Shawboro East Ridge Solar LLC require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

Questions regarding solid waste management for this project should be directed to Mr. John College, Environmental Senior Specialist, Solid Waste Section, at (919) 268-1524.

cc: John College, Environmental Senior Specialist



ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



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Sep 15 2021

Date: September 9, 2021

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch – Special Projects Unit

From: Bonnie S. Ware
Inactive Hazardous Sites Branch

Subject: NEPA Project # 22-0028, North Carolina Department of Commerce, Currituck County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the North Carolina Department of Commerce project. Proposed project is for the Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility, Located at Intersected and bound on the east by East Ridge Road, bound on the west by Shawboro and Indiantown Roads in Shawboro, North Carolina.

No Superfund Section sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

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Superfund Section Sites Only : 22-0028 Currituck County

Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

Department of Environmental Quality

Project Review Form

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Project Number: 22-0028

County: Currituck

Date Received: 8-13-2021

Due Date: 9-9-2021

Project Description: *Environmental Review - Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility, Docket #EMP-117 Sub 0.*

View document at <https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx>, Type EMP-117 Sub 0 in the Docket Number search line. Located at Intersected and bound on the east by East Ridge Road, bound on the west by Shawboro and Indiantown Roads in Shawboro, North Carolina. GPS Coordinates - 36.410266, -76.074890

Sep 15 2021

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review
<input type="checkbox"/> Asheville	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Air Quality
<input type="checkbox"/> Fayetteville	<input checked="" type="checkbox"/> DWR	<input type="checkbox"/> Parks & Recreation
<input type="checkbox"/> Mooresville	<input type="checkbox"/> DWR - Public Water	<input checked="" type="checkbox"/> Waste Mgmt
<input type="checkbox"/> Raleigh	<input checked="" type="checkbox"/> DEMLR (LQ & SW)	<input type="checkbox"/> Water Resources Mgmt
<input checked="" type="checkbox"/> Washington	<input checked="" type="checkbox"/> DWM	<input type="checkbox"/> (Public Water, Planning & Water Quality Program)
<input type="checkbox"/> Wilmington		<input type="checkbox"/> DWR-Transportation Unit
<input type="checkbox"/> Winston-Salem		

Manager Sign-Off/Region:	Date: 9/9/21/21	In-House Reviewer/Agency: Melodi Deaver, Hazardous Waste Section
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Response (check all applicable)

☐ No objection to project as proposed. ☒ No Comment
☐ Insufficient information to complete review ☐ Other (specify or attach comments)

If you have any questions, please contact:

Lyn Hardison at lyn.hardison@ncdenr.gov or (252) 948-3842
943 Washington Square Mall Washington NC 27889
Courier No. 16-04-01

Control No.: 22-E-4600-0028

Date Received: 8/13/2021

County.: CURRITUCK

Agency Response: 9/13/2021

Review Closed: 9/13/2021

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: State Environmental Policy Act ironmental Review

Applicant: North Carolina Department of Commerce

Project Desc.: Application of Shawboro East Ridge Solar, LLC for Certificate to construct a 150 MW Solar Facility in Currituck Co. Docket #EMP-117 Sub 0.
View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type EMP-117 Sub 0 in the Docket Number search line. Located at Intersected and bound on the east by East Ridge Road, bound on the west by Shawboro and Indiantown Roads in Shawboro, North Carolina.

As a result of this review the following is submitted:

☐ No Comment

☒ Comments Below

☐ Documents Attached

Portion of the proposed project encroaches into the Special Flood Hazard Area (SFHA). Any grading, fill or placement of equipment or materials in the SFHA will require a floodplain development permit issued by Currituck County. Please coordinate with the County's Floodplain Administrator for permitting.

Reviewed By: JINTAO WEN

Date: 8/30/2021

Control No.: 22-E-4600-0028

Date Received: 8/13/2021

County.: CURRITUCK

Agency Response: 9/13/2021

Review Closed: 9/13/2021

JEANNE STONE
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: State Environmental Policy Act ironmental Review

Applicant: North Carolina Department of Commerce

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As a result of this review the following is submitted:

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☐ Comments Below

☒ Documents Attached

Reviewed By: JEANNE STONE

Date: 8/17/2021

OFFICIAL COPY

Sep 15 2021




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. Eric Boyette
SECRETARY

August 17, 2021

MEMORANDUM TO: Crystal Best
NC State Clearinghouse
Administrative Building, 5th Floor, Room #5026

FROM: Hemal Shah, EIT 
Transportation Engineer
Coastal Group, Transportation Planning Division

SUBJECT: 22-E-4600-0028

These are comments from the NCDOT – Transportation Planning Division regarding North Carolina State Clearinghouse of Administration Intergovernmental Review 22-E-4600-0028.

The NCDOT – Transportation Planning Division would like to make the applicant aware of the following project that may impact the study area:

NC 168 Proposed Bypass from NC 168 to US 158, Local ID: CURR0003-H

Currituck County Comprehensive Transportation Plan (CTP) can be found at:

https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Currituck%20County

Currituck County CTP Highway Maps can be found at:

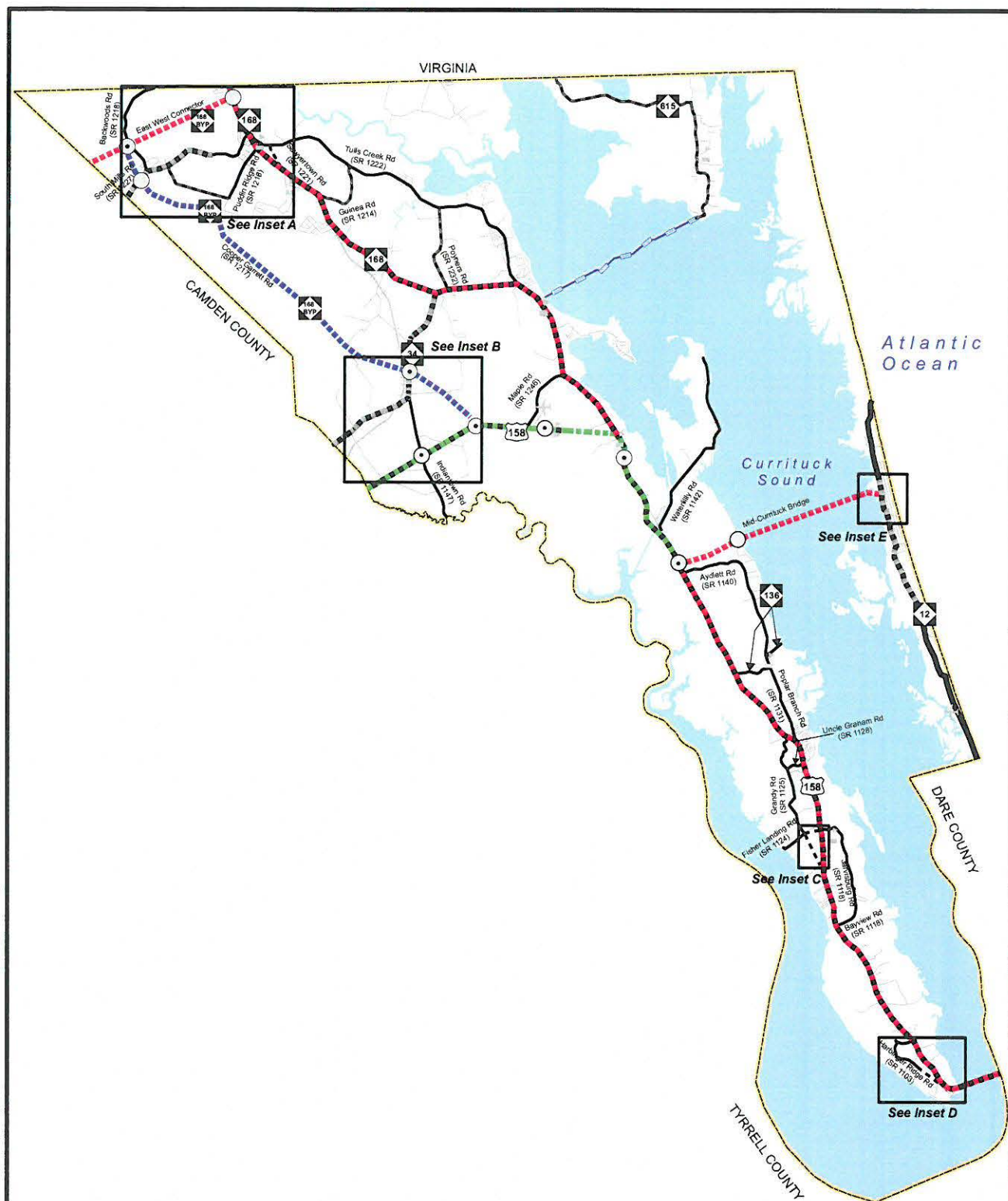
<https://connect.ncdot.gov/projects/planning/TPBCTP/Currituck%20County/Currituck%20County%20Amendment%20Highway%20Map.pdf>

Currituck County CTP report can be found at:

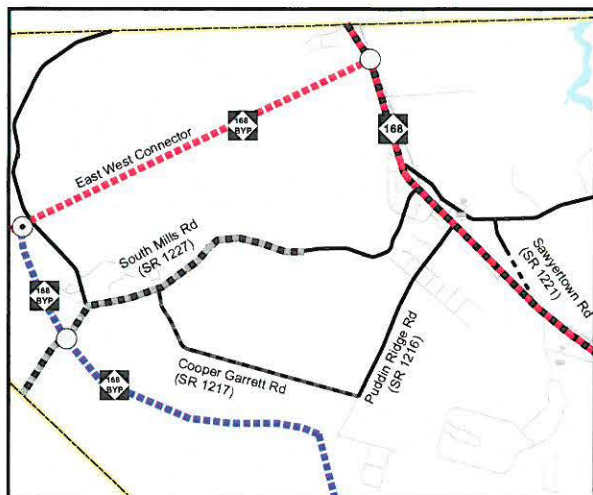
https://connect.ncdot.gov/projects/planning/TPBCTP/Currituck%20County/Currituck_Report.pdf

Please see the attached graphics for a better view of the proposal. If you have any further questions, please do not hesitate to contact me at 919-707-0992 or email at hjshah@ncdot.gov.

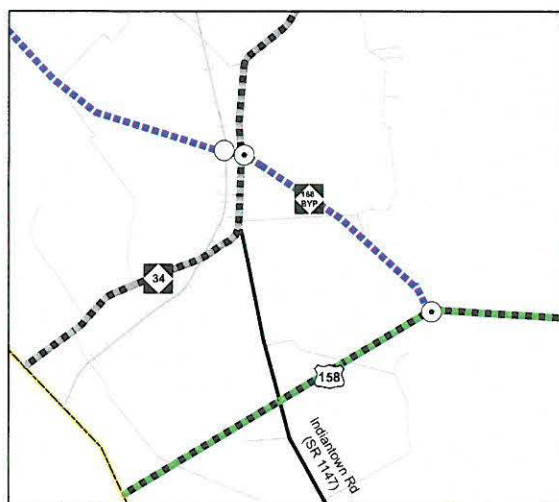
Attachments: Currituck County CTP Highway Map



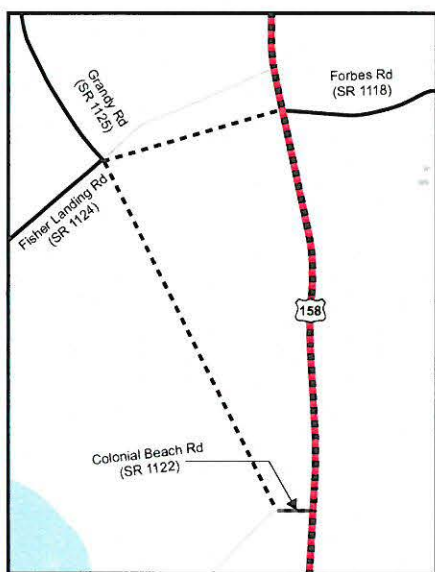
<p>Freeways</p> <ul style="list-style-type: none"> Existing Needs Improvement Recommended <p>Expressways</p> <ul style="list-style-type: none"> Existing Needs Improvement Recommended <p>Boulevards</p> <ul style="list-style-type: none"> Existing Needs Improvement Recommended 	<p>Other Major Thoroughfares</p> <ul style="list-style-type: none"> Existing Needs Improvement Recommended <p>Minor Thoroughfares</p> <ul style="list-style-type: none"> Existing Needs Improvement Recommended <p> Existing Interchange Proposed Interchange Existing Grade Separation Proposed Grade Separation Ferry Route </p>	<p>0 0.5 1 2 3 Miles</p> <p>N W E S</p> <p>Figure 1</p> <p>Sheet 2 of 5</p> <p>Base map date: August 2010</p> <p>Refer to CTP document for more details</p>	<p>Highway Map</p> <p>Currituck County AMENDMENT</p> <p>Comprehensive Transportation Plan</p> <p>Plan date: October 1, 2015</p>
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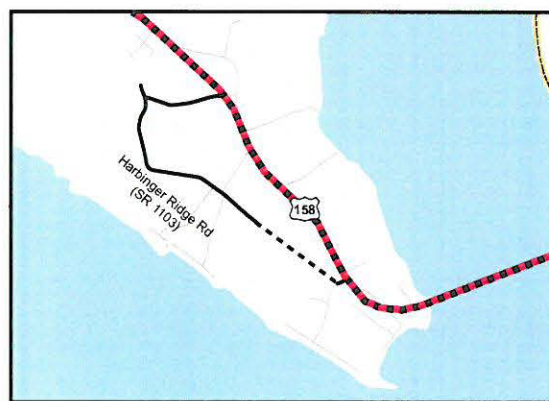
Inset A



Inset B



Inset C



Inset D



Inset E

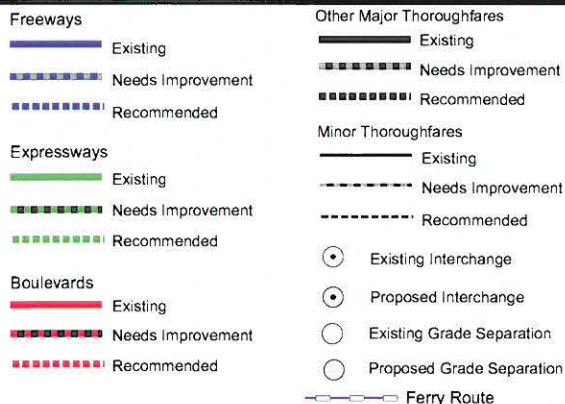


Figure 1

Sheet 2A of 5

Base map date: August 2010

Refer to CTP document for more details

Highway Map Insets A - E



Currituck County AMENDMENT Comprehensive Transportation Plan

Plan date: October 1, 2015