DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM[1]
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): December 10, 2019

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: CESAC-RDE; Aynor Solar Project; SAC-2019-01567;

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: South Carolina County/parish/borough: Horry County City: Aynor
Center coordinates of site (lat/long in degree decimal format): Lat. 34.0145 °N, Long. -79.2130 °W
Universal Transverse Mercator: 17N 664994 3765000
Name of nearest waterbody: Savannah Creek (RPW)
Name of watershed or Hydrologic Unit Code (HUC): 03040204-07 (Brunson Swamp)

☑ Check if map/diagram of review area is available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☑ Office (Desk) Determination. Date: November 25, 2019

☐ Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **are no** "*navigable waters of the U.S.*" within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **are no** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

SECTION III: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- ☑ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Maps, site information, data sheets, and pictures provided by Energy Renewal Partners, LLC. Map titled: "Duke Energy / **Aynor Solar Project** / Site Map", dated October 15, 2019.
- ☑ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
  - ☑ Office concurs with data sheets/delineation report. Five upland data points provided by Energy Renewal Partners.
  - ☐ Office does not concur with data sheets/delineation report.
- ☐ Data sheets prepared by the Corps:
- ☑ U.S. Geological Survey Hydrologic Atlas: 03040204-07 (Brunson Swamp)
  - ☐ USGS NHD data.
  - ☑ USGS 8 and 12 digit HUC maps.
- ☑ U.S. Geological Survey map(s). Cite scale & quad name: Gallivants Ferry quadrangle USGS topographic map depicts a forested and non-forested site with no aquatic resources (blue line features). Additionally, shown within the project boundary is one contour line depicting a slightly lower area within the eastern – northern portion of the site. This depressed area can be seen on LiDAR in the eastern-central portion of the site.
- ☑ USDA Natural Resources Conservation Service Soil Survey. Citation: Horry County soil survey (sheet 24), depicts five sandy-loamy soil types within project site, including: Goldsboro loamy fine sand, Kenansville fine sand, Suffolk loamy fine sand, Duplin loamy fine sand, and Pocomoke fine sandy loam. Goldsboro loamy fine sand, Suffolk loamy fine sand, and Pocomoke fine sandy loam are listed as hydric for Horry County on the 2017 South Carolina hydric soils list.
- ☑ National wetlands inventory map(s). Cite name: National wetlands inventory depicts an upland site (U21 – Cropland / Pasture).
- ☐ State/Local wetland inventory map(s):
- ☐ FEMA/FIRM maps:
- ☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- ☑ Photographs: ☑ Aerial (Name & Date): SC DNR 2006;
  ☐ ☑ Other (Name & Date): Site pictures provided by Energy Renewal Partners.
- ☐ Previous determination(s). File no. and date of response letter:
- ☐ Applicable/supporting case law:
- ☐ Applicable/supporting scientific literature:
- ☑ Other information (please specify): LiDAR digital elevation model depicts a generally flat site with one lower area within the eastern-central portion of the site.

[1] This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND:

This project site is described as an 18 acre agricultural field that has been maintained as such. This site was assessed per the provided site information, maps, and pictures on a single basis form via remote data sources and found to be wholly uplands with no potential aquatic resources.

Data source information: HUC: 03040204-07 (Brunson Swamp). Gallivants Ferry quadrangle USGS topographic map depicts a forested and non-forested site with no aquatic resources (blue line features). Additionally, shown within the project boundary is one contour line depicting a slightly lower area within the eastern – northern portion of the site. This depressed area can be seen on LiDAR in the eastern-central portion of the site. Horry County soil survey (sheet 24), depicts five sandy-loamy soil types within project site, including: Goldsboro loamy fine sand, Kenansville fine sand, Suffolk loamy fine sand, Duplin loamy fine sand, and Pocomoke fine sandy loam. Goldsboro loamy fine sand, Suffolk loamy fine sand, and Pocomoke fine sandy loam are listed as hydric for Horry County on the 2017 South Carolina hydric soils list. National wetlands inventory depicts an upland site (U21 – Cropland / Pasture). Aerials: SC DNR 2006. Site pictures provided by Energy Renewal Partners. LiDAR digital elevation model depicts a generally flat site with one lower area within the eastern-central portion of the site.