



Sites in Reuse

Capped Property near State University

Carter-Finley Stadium, Raleigh, North Carolina 27607



Images from left to right: Sign highlighting the photovoltaic solar system, solar panels on site and the solar panel control unit.

Site Name: North Carolina State University (Lot 86, Farm Unit #1)

Size: 1.5 acres

Existing Site Infrastructure: Located near interstates 40 and 440; connected to electricity, water and the Raleigh sewer system.

Current Site Uses: A 70-kilowatt solar farm operated by Carolina Solar Energy LLC (CSE) has operated on site since 2007.

Use Restrictions: Institutional controls restrict the use of the fenced area on site and prevent well installation and groundwater use.

SETTING:

- Site surroundings include forested areas, Carter-Finley Stadium, and other sports facilities and parking lots.
- CSE will own and operate the site's 432-photovoltaic panel solar energy system until 2027 under a lease from the State of North Carolina. Electricity generated by the 12 solar arrays located on the site's capped mound is sold back to Progress Energy.
- Instead of grading and digging into the cap for concrete foundations, CSE installed a recycled plastic foundation. The foundation system allowed the solar arrays to be constructed and ballasted without disturbing the site's landfill cap.
- The project has been designated a Solar "Brownfields to Brightfields" Technology Demonstration Project by the U.S. Department of Energy. The grant from the designation helped CSE cover permitting costs and development of the solar farm's unique foundation system.
- Surrounding population: 0.5 mile, 3 people
2.5 miles, 51,220 people | 4 miles, 124,884 people.

Disclaimer: EPA does not warrant that the property is suitable for any particular use. Prospective purchasers must contact the property owner for sale potential.

REMEDIAL STATUS:

- EPA, the North Carolina Department of Environment and Natural Resources (NCDENR), and North Carolina State University (NCSU) treated and capped soils. They also extracted groundwater, treated it with air strippers and discharged treated groundwater to the Raleigh sewer system.
- NCSU continues to treat and monitor contaminated groundwater.
- Site fencing limits access and institutional controls restrict site uses.

FOR MORE INFORMATION, PLEASE CONTACT:

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Site Summary: www.epa.gov/superfund/north-carolina-state-university



In May 2017, EPA established a task force to restore the Superfund program to its rightful place at the center of the Agency's core mission to protect health and the environment.

epa.gov/superfund/superfund-task-force