

## Orangeburg County South Carolina Brownfield Sites Assessment

The James E. Clyburn University Transportation Center (JECUTC), a unit of South Carolina State University, a state land-grant institution, in collaboration with the Environmental Policy Institute (EPI) housed within JECUTC, proposes to conduct an assessment of the brownfield sites in Orangeburg County, South Carolina. The primary goal of this assessment is to collaborate with community stakeholders to identify how the sites may be sustainably redeveloped to promote public health, safety, economic activity, and the environment.

### Community Need

Orangeburg County lies roughly in south central South Carolina. Its 2010 land area covered 1,106 square miles with an estimate of 83.6 persons per square mile (U.S. Census Bureau 2011). The Environmental Protection Agency “Cleanups In My Community” lists two brownfields sites, one on-scene coordinator (OSC) site, and three Resource Conservation and Recovery Act (RCRA) sites within the County. (See Table 1.) To date, there are no current EPA assessments in the County.

**Table 1. Orangeburg County EPA Cleanups List**

Cleanup Name	Address	City Name	Cleanup
Albemarle Corp	725 Cannon Bridge Road	Orangeburg	Brownfields
Arkwright Mill	788 Providence Rd	Orangeburg	Brownfields
Bomar Avenue Dump	788 Providence Rd	Orangeburg	OSC
Cox Wood Preserving Inc.	860 Cannon Bridge Rd.	Orangeburg	RCRA
Holcim (US) Inc. Holly Hill Plant	2175 Gardner Boulevard	Holly Hill	RCRA
Huff Battery Salvage	134 Wamer Road	Bowman	RCRA

According to the 2010 U.S. Census, the county population was estimated as 92,495. Nearly 64 percent of persons reported their race as a minority group, with another two percent reporting their ethnicity as Hispanic or Latino origin making the total county population majority racial or ethnic minority.

**Table 2. Sensitive Populations in Orangeburg County in Comparison to State and National Estimates**

Characteristic	Target Community: Orangeburg County, SC	State: SC	National
Population:	92,495	4,625,364	308,745,538 <sup>1</sup>
Unemployment:	12.5%	9.1%	8.2% <sup>2</sup>
Poverty Rate:	25.8%	16.4%	15.1% <sup>3</sup>
Percent Minority:	63.8%	30.0%	26.7% <sup>3</sup>
Black	62.3%	28.1%	13.1% <sup>3</sup>
American Indian and Alaska Native	0.6%	0.5%	1.2% <sup>3</sup>
Asian	0.9%	1.4%	5.0% <sup>3</sup>

Native Hawaiian and Other Pacific Islander	Z	0.1%	0.2% <sup>3</sup>
Hispanic or Latino Origin	2.0%	5.3%	16.7% <sup>3</sup>
Persons 18 years	23.0%	23.1%	23.7% <sup>3</sup>
Persons 65 years and over	15.3%	14.1%	13.3% <sup>3</sup>
Women between 15 and 44 Years	20.4%	20.1%	20.2% <sup>1</sup>
Median Household Income:	\$32,849	\$43,939	\$49,445 <sup>3</sup>
Other:			
<sup>1</sup> Data is from the 2010 U.S. Census data and is available at <a href="http://www.census.gov">http://www.census.gov</a> <sup>2</sup> Data is from the Bureau of Labor Statistics and is available at <a href="http://www.bls.gov">www.bls.gov</a> <sup>3</sup> Data is from the 2010 American Community Survey and is available at <a href="http://www.census.gov/newsroom/releases/archives/income_wealth/cb11-157.html">http://www.census.gov/newsroom/releases/archives/income_wealth/cb11-157.html</a> Z: Value greater than zero but less than half unit of measure shown			

### Project Description

In addition to verifying and updating the six sites listed above, the project team proposes to catalog and update the listing of other sites of EPA interest, e.g., leaking underground storage tanks, pesticide producers, etc., and other sites identified by community stakeholders in Orangeburg County. These sites, once verified will be put into a geographic information system (GIS) that will show not only the physical address, but also the area of interest with overlays of the sensitive populations.

Using the above data and in collaboration with local officials and their representatives, the project team will work with stakeholders to identify appropriate activities to improve the natural environment, economy, and other social aspects around the sites. Chief among these activities will be the identification of the necessary funds to undertake these actions and future collaborations, including leveraging existing public and private sources.