



North Carolina Department of Environmental Quality  
April 10, 2023

# Wolfspeed, Inc. - Siler City Factory

## Draft Environmental Justice Report

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## Executive Summary

### **Facility Location:**

Wolfspeed, Inc. – Siler City Factory (Wolfspeed):  
[CHATHAM-SILER CITY ADVANCED MANUFACTURING](#)

Address: 20436 US 64 W Siler City, NC 27344

An approximate one-mile radius around the facility footprint and address provided was used for the analysis:

- **Counties:** The address is in Chatham County. An approximate one-mile radius includes a portion of Randolph County.
- **Census Tracts:** The address is in census tract 203. An approximate one-mile radius includes portions of census tracts 310.01, 310.02, 202.01, 204.01, and 204.02. Census tracts are from U.S. 2020 Census.

### **Overview:**

- **Potentially Underserved Community:** The site is located within one mile of a block group identified as potentially underserved based on NC DEQ's definition<sup>1</sup> (see Figure 1). DEQ recommends consulting the Enhanced Engagement Methods to Reach Underserved Communities section of DEQ's Public Participation Plan.<sup>2</sup>
- **Poverty:** Two of the six census tracts which the facility's area (one-mile radius) intersects include a population experiencing poverty (>20% poverty).
- **Race/Ethnicity:** All six census tracts which the facility's area (one-mile radius) intersects has a minority population for which there is a percentage increase of 10% or more compared to the county and/or state. Additionally, Hispanic or Latino (of any race) population is greater than 50% in two of the census tracts.
- **Tribe:** A recognized Tribe of North Carolina does not reside in Chatham or Randolph County.
- **Limited English Proficiency:** The site is in an area with limited English proficiency (Spanish) because four of six census tracts have a population (> 1000 people and > 5%) which speaks English less than very well. DEQ recommends any company and any state or local government consult DEQ's Limited English Proficiency Language Access Plan<sup>3</sup> and conduct outreach in both English and Spanish.

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<sup>1</sup> *Racial composition:* Share of nonwhites is over fifty percent OR Share of nonwhites is at least ten percent higher than county or state share. AND *Poverty rate:* Share of population experiencing poverty is over twenty percent AND Share of households in poverty is at least five percent higher than the county or state share.

<sup>2</sup> DEQ 2022 Public Participation Plan: <https://deq.nc.gov/ej/deq-public-participation-plan-2022-update/download?attachment>

<sup>3</sup> DEQ 2022 Language Access Plan: <https://deq.nc.gov/ej/limited-english-proficiency-plan/download>

- **Cumulative Impact Potential:** There are 11 existing permits and 10 incidents within one mile of the site that could contribute to cumulative impacts to sensitive receptors within and outside the one-mile buffer.

## 1 Introduction

It is the policy of DEQ that no person shall, on the grounds of race, religion, color, national origin, ethnicity, sex, pregnancy, gender identity or expression, sexual orientation, age, political affiliation, National Guard or veteran status, genetic information, or disability be excluded from participation in, be denied the benefits of employment, or be subjected to discrimination.

Environmental justice (EJ) is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies (US EPA).

EPA defines overburdened communities as a minority, low-income, tribal or indigenous populations, or geographic locations in the United States that potentially experience disproportionate environmental harms and risks. Disproportionality can result in greater vulnerability to environmental hazards, lack of opportunity for public participation, or other factors. Increased vulnerability may be attributable to an accumulation of negative environmental, health, economic, or social conditions within these populations or places. The term environmental justice describes situations where multiple factors, including both environmental and socio-economic stressors, may act cumulatively to affect health and the environment and contribute to persistent environmental health disparities.

The primary goal of this Draft EJ Report is to encourage comments and suggestions from the surrounding community, industry, and environmental groups throughout the comment period. Public comments will be considered throughout the remainder of the comment period to inform the Final EJ Report.

## 2 Environmental Justice Evaluation

The Department of Environmental Quality (DEQ or Department) has assessed the historical context, current permit conductions, and the demographics of the communities in the area surrounding the facility. Accordingly, this Draft EJ Report includes:

- Pertinent permit information
- Facility history overview
- Study of area demographics and socioeconomic indicators [determined by utilizing the US EPA Environmental Justice tool (EJSCREEN) <https://ejscreen.epa.gov/mapper/> and current, available census data <https://data.census.gov/cedsci/>]
- Comparison of local area demographics to the county and statewide census data
- County health assessment
- Sensitive receptors in the surrounding area
- Local industrial sites (using the NCDEQ Community Mapping System: <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=1eb0fbe2bcfb4cccb3cc212af8a0b8c8>)
- Outreach recommendations

### 3 Proposed Project

Wolfspeed, Inc. – Siler City Factory (Wolfspeed) has submitted an air permit application (No. 1900138.22A) for a greenfield Title V facility for the construction and operation of a new semiconductor manufacturing facility in Siler City, Chatham County, North Carolina.

With this application, the proposed new facility will primarily be a silicon carbide foundry process, including a furnace area, a wafer production area, and a solid waste handling area. The following emission sources and control devices will be installed:

- Wafer production operations to manufacture and finish semiconductor wafers. A gas scrubber system consisting of several wet scrubbers will control emissions of Volatile Organic Compounds (VOCs), Hazardous Air Pollutants (HAPs), and Toxic Air Pollutants (TAPs) from this operation. A natural gas-fired gas abatement system will be installed to collect base fumes.
- Several particulate matter collection devices to control particulate matter emissions resulting from wafer production and solid waste handling.
- Miscellaneous natural gas combustion sources.
- Several large diesel-fired emergency generators, diesel-fired emergency primary and condenser water pumps, diesel-fired fire pump, and a diesel storage tank.

Wolfspeed has the potential to emit greater than 100 tons per year of a few regulated air pollutants before controls, including particulate matter (PM10), nitrogen oxides (NOx), and VOCs. Additionally, the facility has the potential to emit greater than 10 tons per year of an individual HAP (hydrochloric acid) and 25 tons per year of total HAPs before controls. After controls, all pollutant emissions are expected to be below Title V major source thresholds except for NOx. Therefore, the facility has been classified as a major source under Title V.

Table 1 provides a summary of the facility’s potential emissions before and after installing controls:

***Table 1. Potential Emissions Before and After Installing Controls***

| Pollutant                                  | Potential Emissions Before Controls (tons/yr) | Potential Emissions After Controls (tons/yr) |
|--|---|--|
| VOCs                                       | 112.66  | 18.34  |
| PM10/PM2.5                                 | 101.64  | 5.59   |
| NOx  | 113.62  | 113.62                                       |
| CO   | 62.89   | 62.89  |
| SO2  | 0.14  | 0.14   |
| Highest Individual HAP (hydrochloric acid) | 12.0  | 1.20   |
| Total HAPs                                 | 27.31   | 2.92   |

Wolfspeed will be subject to federal standards including National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ) and New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII). Wolfspeed will avoid applicability of NESHAP 40 CFR Part 63 Subpart BBBB for Semiconductor Manufacturing by limiting HAP emissions to below the major source thresholds of 10 tons per year for each individual HAP and 25 tons per year of aggregate HAP emissions.

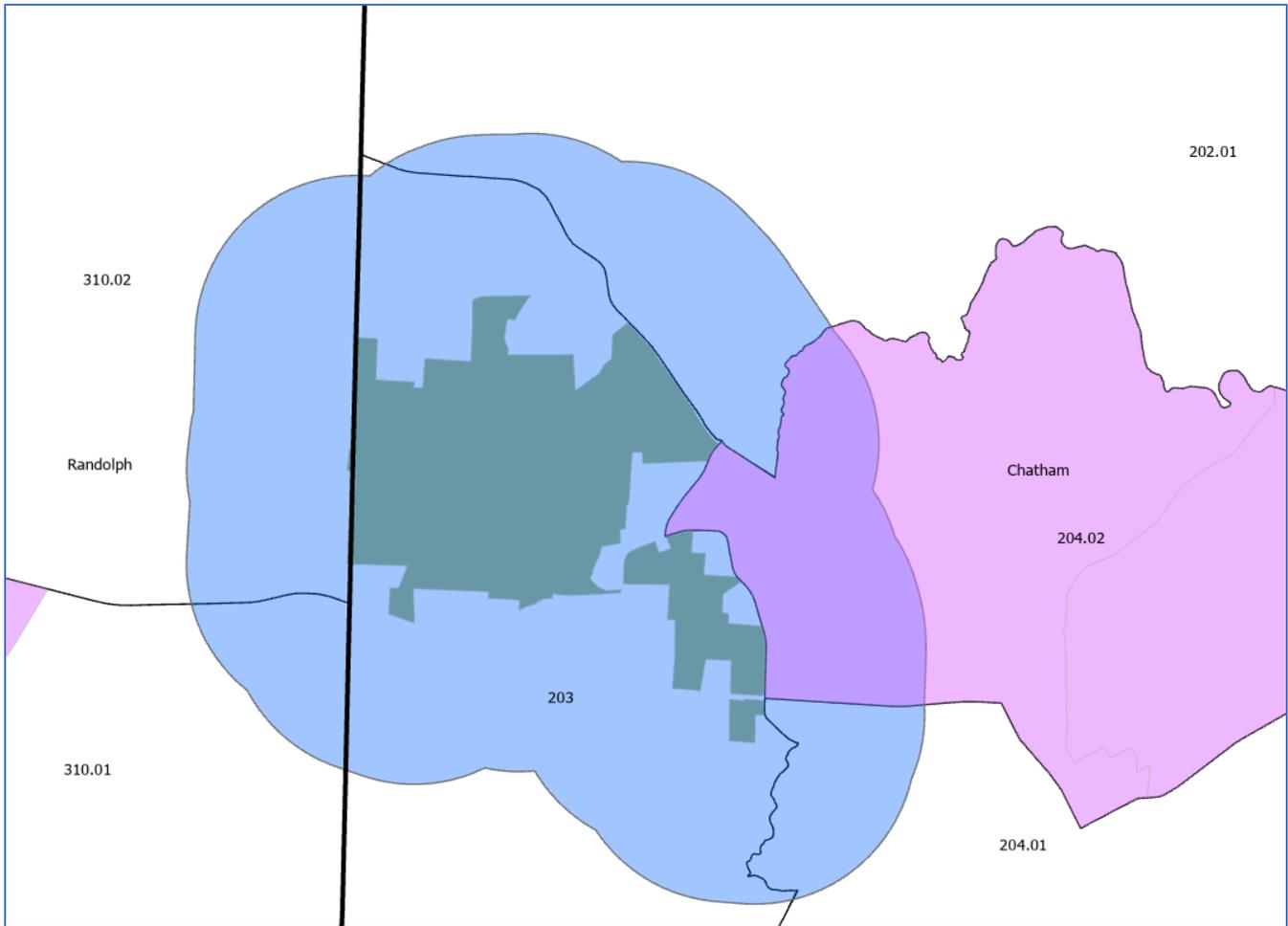
This facility is subject to North Carolina Air Toxics (State Only Requirement) per 15A North Carolina Administrative Code (NCAC) 02D .1100. The facility has completed an NC air toxics dispersion modeling analysis for hydrochloric acid, hydrofluoric acid, sulfuric acid, arsenic, benzene, beryllium, and cadmium. All pollutants were modeled at rates in compliance with the applicable Acceptable Ambient Levels (AALs). All other pollutants are expected to be emitted at rates below the applicable Toxics Permitting Emissions Rates (TPERs) per 15A NCAC 02Q .0711.

## 4 Geographic Area

The existing Wolfspeed facility is located at 20436 US 64 W Siler City, NC, 27344 (Figure 1). The facility is located in Chatham County, Census Tract 203 with a one-mile radius intersecting additional Census Tracts 202.01, 204.01, and 204.02 in Chatham County and Census Tracts 310.01 and 310.02 in Randolph County (Figure 1).

Census tracts are small, relatively permanent statistical subdivisions of a county with a unique numeric code (US Census Bureau). Neither the counties nor the census tracts encompass land within a state-designated tribal statistical area.

This draft Environmental Justice Report evaluates the demographic, socioeconomic, and environmental conditions in Chatham and Randolph Counties, in Census Tracts 310.01, 310.02, 202.01, 203, 204.01, and 204.02 as well as the one-mile radius around the property boundary of the existing Wolfspeed facility. Counties and Census Tracts were identified based on intersection with the one-mile radius around the property boundary. Finally, the demographics of the local census tracts and one-mile radius area were compared to County and State demographics. County demographics were also compared to the State demographics.



*Figure 1. Facility location footprint (green) with the one-mile buffer (blue), potentially underserved community (pink) and labeled census tracts and counties.*

## 5 Methods:

The following sections on race and ethnicity, age and sex, disability, poverty and household income, and Limited English Proficiency (LEP) populations are based on the most recent U.S. Census Bureau data at the state, county, census tract, and project-one-mile radius geographic scales.

U.S. Census Definitions for Demographic and Socioeconomic Variables Considered -

- **Race** – a person’s self-identification with one or more social groups. An individual can report as White, Black or African American, Asian, American Indian and Alaska Native, Native Hawaiian and Other Pacific Islander, or some other race.
- **Age and Sex** – Age is the length of time in completed years that a person has lived. Sex refers to a person’s biological sex.
- **Disability** – A long-lasting physical, mental, or emotional condition. This condition can make it difficult for a person to do activities such as walking, climbing stairs, dressing,

bathing, learning, or remembering. This condition can also impede a person from being able to go outside the home along or to work at a job or business.

- **Income** – The money income received on a regular basis (exclusive of certain money receipts such as capital gains and lump-sum payments) before payments for personal income taxes, social security, union dues, Medicare deductions, etc.
- **Poverty** – A set of money income thresholds that vary by family size and composition to determine who is in poverty. If the total income for a family or unrelated individual falls below the relevant poverty threshold, then the family ( and every individual in it) or unrelated individual is considered in poverty.
- **Limited English Proficiency (LEP)**– The language currently used by respondents at home, either “English only” or a non-English language which is used in addition to English or in place of English.
- **Minority** - population of people who are not single-race white and not Hispanic. Populations of individuals who are members of the following population groups: American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; or Hispanic.

Using standard environmental justice guidelines from the EPA and NEPA documentation, the following conditions are highlighted as communities with the potential for environmental justice concerns:

1. Percentage increase of 10% or more compared to the county or state for minority race, age and sex, or disability, or household income brackets
2. 50% or more minority (non-white)
3. Share of population experiencing poverty is 20% or more
4. Percentage increase of 5% or more compared to the county or state average for poverty
5. At least 5% of the population or 1000 people (whichever is smaller) speaks English less than very well

Demographics for Chatham and Randolph Counties and the state are compared to the local (census tract and project one-mile radius) geographic scales to identify any disparities surrounding the project area using standard environmental justice guidelines from the EPA and National Environmental Policy Act (NEPA) documentation.

Data at the county geographic scale are compared to the state geographic scale and the local geographic scales are compared to the county and state geographic scales to identify disparities surrounding the project area. Local geographic scales include selected census tracts which intersect the one-mile radius around the approximate facility footprint as well as the area inclusive of the one-mile radius around the facility.

Percentage Increase Example:

If a census tract has 35% of the population classified as low income and the county consists of 30% low income, the census tract’s proportion of low-income population would exceed the county proportion of low-income population by 16.7% and thus be flagged as an area with the potential for having environmental justice concerns.

**American Community Survey Data from the U.S. Census:** This report uses 5-year estimates from the American Community Survey data, when possible. The U.S. Census indicates that the primary advantage of using multiyear estimates is the increased statistical reliability of the data for less populated areas and small population subgroups. The margin of error (MOE) has been included, when provided, and is a measure of the possible variation of the estimate around the population value (U.S. Census Bureau). The smaller the geographic unit, the larger the MOE becomes (generally). The Census Bureau standard for the MOE is at the 90% confidence level and may be any number between 0 and the MOE value in either direction (indicated by +/-).

## 5.1 Race and Ethnicity

### Summary of Environmental Justice Indicators:

1. Is there a percentage increase of 10% or more compared to the county or state for a minority race or ethnicity?
  - Facility Area (1-mile radius): Yes, for Black or African American, Hispanic or Latino (of any race), two or more races, and some other race
  - Census tract 202.01: Yes, for American Indian or Alaska Native and some other race
  - Census tract 203: Yes, for Black or African American, American Indian or Alaska Native, Native Hawaiian and Other Pacific Islander, and Hispanic or Latino (of any race)
  - Census tract 204.01: Yes, for Hispanic or Latino (of any race)
  - Census tract 204.02: Yes, for Black or African American and some other race
  - Census Tract 310.01: Yes, for Black or African American and two or more races
  - Census Tract 310.02: Yes, for Black or African American, American Indian or Alaska Native, and some other race
  
2. Is there a census tract for which there is, 50% or more minority (non-white)
  - Yes, census tracts 204.01 and 204.02 are over 50% Hispanic or Latino (of any race).

### Regional Setting

According to the 2020 US Census Data Table P2: Hispanic or Latino, and Not Hispanic or Latino by Race, North Carolina's population totaled 10,439,388 individuals (Table 2). The three most common racial and ethnic groups across the state were White (60.5%), Black or African American (20.2%), and Hispanic or Latino (of any race) (10.7%).

Chatham County had a total population of 76,285 individuals and Randolph County had a total population of 144,171 individuals (Table 2). The two most common racial or ethnic groups in Chatham County were White (not Hispanic or Latino) (70%) and Black or African American (10%). The population of all non-White race and ethnicity groups was lower when compared to the State in both Randolph and Chatham Counties. The two most common racial or ethnic groups in Randolph County were White (not Hispanic or Latino) (75%) and Hispanic or Latino (of any race) (13%).

Chatham and Randolph counties do not have 10% or higher proportions of any minority race or ethnic groups compared to the state of North Carolina.

**Table 2. Regional Setting - Race and Ethnicity**

| Race and Ethnicity                         | North Carolina |         | Chatham County* |         | Randolph County |         |
|--|----------------|---------|-----------------|---------|-----------------|---------|
|  | Number         | Percent | Number          | Percent | Number          | Percent |
| Total Population                           | 10,439,388     | 100%    | 76,285          | 100%    | 144,171         | 100%    |
| White                                      | 6,312,148      | 60.5%   | 53,087          | 70%     | 108,354         | 75%     |
| Black or African American                  | 2,107,526      | 20.2%   | 7,768           | 10%     | 8,592           | 6%      |
| American Indian or Alaska Native           | 100,886        | 1%      | 173             | 0%      | 666             | 0%      |
| Asian                                      | 340,059        | 3.3%    | 1,616           | 2%      | 2,158           | 1%      |
| Native Hawaiian and Other Pacific Islander | 6,980          | 0.1%    | 24              | 0.03%   | 10              | 0%      |
| Some other Race                            | 46,340         | 0.4%    | 308             | 0%      | 412             | 0%      |
| Two or More Races                          | 406,853        | 3.9%    | 2,937           | 4%      | 4,928           | 3%      |
| HISPANIC OR LATINO (of any race)           | 1,118,596      | 10.7    | 10,372          | 10%     | 19,051          | 13%     |

Source: US Census Bureau, 2020 Census  
\* Facility is located in this County  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

## Local Setting

According to the 2020 US Census Data Table P2, the largest population within Census Tract 202.01 was White (not Hispanic or Latino) (77.8%). White (not Hispanic or Latino) and Black or African American was greater than 10% different compared to the state (Table 3)

The largest population within Census Tract 203 was White (not Hispanic or Latino) (66%). All populations were not greater than 10% different when compared to the state or the county. (Table 4)

The largest population within Census Tract 204.01 was Hispanic or Latino (of any race) (47%) and White (not Hispanic or Latino) (32%). Hispanic or Latino (of any race) and White (not Hispanic or Latino) were both greater than 10% different when compared to the state and the county. (Table 4)

The largest population within Census Tract 204.02 was Hispanic or Latino (of any race) (53%). Hispanic or Latino (of any race) and White (not Hispanic or Latino) were both greater than 10% different compared to the state and the county. Black or African American was greater than 10% different when compared to the county. (Table 5)

The largest population within Census Tract 310.01 was White (not Hispanic or Latino) (68%). Black or African American was greater than 10% different when compared to the state. (Table 6)

The largest population within Census Tract 310.02 was White (not Hispanic or Latino) (72%). White (not Hispanic or Latino) was greater than 10% different when compared to the state. (Table 6)

Within the one-mile project radius, the largest population was White (not Hispanic or Latino) (68%). Hispanic or Latino (of any race) was greater than 10% different when compared to the state. (Table 3)

**Table 3. Local Setting - Race and Ethnicity**

| Race and Ethnicity                         | Project Area - 1 Mile |            | Census Tract 202.01 |             |
|--|-----------------------|------------|---------------------|-------------|
|  | Number                | Percent    | Number              | Percent     |
| Total Population                           | 1900                  | 100%       | 3,007               | 100%        |
| White                                      | 1290                  | 68%        | 2,340               | 77.8%       |
| Black or African American                  | 327                   | <b>17%</b> | 201                 | 6.7%        |
| American Indian or Alaska Native           | 0                     | 0%         | 10                  | <b>0.3%</b> |
| Asian                                      | 1                     | 0%         | 11                  | 0.4%        |
| Native Hawaiian and Other Pacific Islander | 0                     | 0%         | 0                   | 0.0%        |
| Some other Race                            | 125                   | <b>7%</b>  | 14                  | <b>0.5%</b> |
| Two or More Races                          | 156                   | <b>8%</b>  | 104                 | 3.5%        |
| HISPANIC OR LATINO (of any race)           | 471                   | <b>25%</b> | 327                 | 11%         |

Source: US Census Bureau, 2020 Census

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 4. Local Setting - Race and Ethnicity (cont'd)**

| Race and Ethnicity                         | Census Tract 203* |              | Census Tract 204.01 |            |
|--|-------------------|--------------|---------------------|------------|
|  | Number            | Percent      | Number              | Percent    |
| Total Population                           | 2,742             | 100%         | 5,835               | 100%       |
| White                                      | 1,802             | 66%          | 1,872               | 32%        |
| Black or African American                  | 440               | <b>16%</b>   | 1013                | 17%        |
| American Indian or Alaska Native           | 7                 | <b>0.26%</b> | 5                   | 0%         |
| Asian                                      | 14                | 1%           | 48                  | 1%         |
| Native Hawaiian and Other Pacific Islander | 1                 | <b>0.04%</b> | 2                   | 0%         |
| Some other Race                            | 10                | 0%           | 36                  | 1%         |
| Two or More Races                          | 80                | 3%           | 143                 | 2%         |
| HISPANIC OR LATINO (of any race)           | 388               | <b>14%</b>   | 2716                | <b>47%</b> |

Source: US Census Bureau, 2020 Census

\* Facility is located in this census tract  
 All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 5. Local Setting - Race and Ethnicity (cont'd)**

| Race and Ethnicity                         | Census Tract 204.02 |              |
|--|---------------------|--------------|
|  | Number              | Percent      |
| Total Population                           | 4,610               | 100%         |
| White                                      | 1,023               | 22%          |
| Black or African American                  | 938                 | <b>20%</b>   |
| American Indian or Alaska Native           | 0                   | 0%           |
| Asian                                      | 44                  | 1%           |
| Native Hawaiian and Other Pacific Islander | 0                   | 0%           |
| Some other Race                            | 31                  | <b>0.67%</b> |
| Two or More Races                          | 153                 | 3%           |
| HISPANIC OR LATINO (of any race)           | 2,421               | <b>53%</b>   |

Source: US Census Bureau, 2020 Census  
 All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 6. Local Setting - Race and Ethnicity (cont'd)**

| Race and Ethnicity                         | Census Tract 310.01 |              | Census Tract 310.02 |              |
|--|---------------------|--------------|---------------------|--------------|
|  | Number              | Percent      | Number              | Percent      |
| Total Population                           | 2,881               | 100%         | 4,446               | 100%         |
| White                                      | 1,970               | 68%          | 3,206               | 72%          |
| Black or African American                  | 223                 | <b>8%</b>    | 510                 | <b>11%</b>   |
| American Indian or Alaska Native           | 7                   | 0%           | 23                  | <b>0.52%</b> |
| Asian                                      | 35                  | 1%           | 13                  | 0%           |
| Native Hawaiian and Other Pacific Islander | 0                   | 0%           | 0                   | 0%           |
| Some other Race                            | 1                   | 0%           | 38                  | <b>0.85%</b> |
| Two or More Races                          | 111                 | <b>4%</b>    | 146                 | 3%           |
| HISPANIC OR LATINO (of any race)           | 534                 | <b>18.5%</b> | 510                 | 11%          |

Source: US Census Bureau, 2020 Census  
 All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

## 5.2 Age and Sex

### Summary of Environmental Justice Indicators:

1. Is there a percentage increase of 10% or more compared to the county or state for age and sex?
  - Facility Area (1-mile radius): The facility area was not assessed because EJScreen does not provide statistics on age and sex.
  - Census tract 202: Yes, median ages for both sexes, males, and females are 10% or more higher than the state’s median ages.
  - Census tract 203: Yes, median ages for both sexes and females are 10% or more higher than the state’s median ages.
  - Census tract 204.01: No
  - Census tract 204.02: No
  - Census Tract 310: No

### Regional Setting

According to the 2010 US Census Data Table P 12: Sex by Age, and Table P13: Median Age, North Carolina had a total population of 9,535,483 individuals (Table 7)<sup>4</sup>. The median age for females (38.7) was slightly older than the median age for males (36).

Chatham County had a total population of 63,505 individuals. The median age for females (41.9) was slightly higher than the median age for males (41). The median age for both sexes was older than the median age for the state. (Table 7)

Randolph County had a total population of 141,752 individuals. The median age for females (40.4) was slightly higher than the median age for males (38.6), both older than the median age for the state. (Table 8)

**Table 7. Regional Setting - Age Groups and Sex**

| Age               | North Carolina |           |           |            |      |        | Chatham County |        |        |            |      |        |
|-------------------|----------------|-----------|-----------|------------|------|--------|----------------|--------|--------|------------|------|--------|
|                   | Number         |           |           | Percent    |      |        | Number         |        |        | Percent    |      |        |
|                   | Both sexes     | Male      | Female    | Both sexes | Male | Female | Both Sexes     | Male   | Female | Both Sexes | Male | Female |
| Total Population  | 9,535,483      | 4,645,492 | 4,889,991 | 100%       | 49%  | 51%    | 63,505         | 30,654 | 32,851 | 100%       | 48%  | 52%    |
| <b>Median Age</b> | 37.4           | 36        | 38.7      |            |      |        | 41.5           | 41     | 41.9   |            |      |        |

Source: US Census Bureau, 2010 Census

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

<sup>4</sup> 2010 US Census Data was used for Age & Sex because 2020 US Census for Age & Sex are not yet available from the US Census Bureau.

**Table 8. Regional Setting - Age Groups and Sex (cont'd)**

| Randolph County |        |        |            |      |        |
|-----------------|--------|--------|------------|------|--------|
| Number          |        |        | Percent    |      |        |
| Both Sexes      | Male   | Female | Both Sexes | Male | Female |
| 141,752         | 69,838 | 71,914 | 100%       | 49%  | 51%    |
| 39.5            | 38.6   | 40.4   |            |      |        |

Source: US Census Bureau, 2010 Census  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

## Local Setting

According to the 2010 US Census Data Table P 12: Sex by Age, and Table P13: Median Age,

EJSCREEN identified a population of 1,900 individuals within the one-mile buffer surrounding the facility. There was a higher percentage of females than males in this area. EJSCREEN data does not provide the median age (Table 14).

Census Tract 202.01 had a total population of 7,666 and had older median ages compared to the state (Table 9).

Census Tract 203 had a total population of 2,929 and had slightly older median ages than the state (Table 10).

Census Tract 204.01 had a total population of 5,775 and did not have higher median ages than the state or the county (Table 11).

Census Tract 204.02 had a total population of 4,693 and did not have higher median ages than the state or the county (Table 12).

Census Tract 310.01 and 310.02 together had a total population of 7,151 did not have higher median ages compared to the state or the county (Table 13).

**Table 9. Local Setting - Age Groups and Sex**

| Age              | Census Tract 202.01** |             |             |            |      |        |
|------------------|-----------------------|-------------|-------------|------------|------|--------|
|                  | Number                |             |             | Percent    |      |        |
|                  | Both sexes            | Male        | Female      | Both sexes | Male | Female |
| Total Population | 7,666                 | 3,738       | 3,928       | 100%       | 49%  | 51%    |
| Median Age       | <b>44.0</b>           | <b>43.4</b> | <b>44.7</b> |            |      |        |

\*\*In 2020 Census Tract 202 split into 202.01 and 202.02; Table P 12 and P 13 data for 2020 were not available, so 2010 data were used for Census Tract 202.

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 10. Local Setting - Age Groups and Sex (cont'd)**

| Age              | Census Tract 203* |       |             |            |      |        |
|------------------|-------------------|-------|-------------|------------|------|--------|
|                  | Number            |       |             | Percent    |      |        |
|                  | Both sexes        | Male  | Female      | Both sexes | Male | Female |
| Total Population | 2,929             | 1,415 | 1,514       | 100%       | 48%  | 52%    |
| Median Age       | <b>41.5</b>       | 41    | <b>41.9</b> |            |      |        |

Source: US Census Bureau, 2010 Census

\* Facility is located in this census tract

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 11. Local Setting - Age Groups and Sex (cont'd)**

| Age              | Census Tract 204.01 |       |        |            |      |        |
|------------------|---------------------|-------|--------|------------|------|--------|
|                  | Number              |       |        | Percent    |      |        |
|                  | Both sexes          | Male  | Female | Both sexes | Male | Female |
| Total Population | 5,775               | 2,798 | 2,977  | 100%       | 48%  | 52%    |
| Median Age       | 33.1                | 31.1  | 35.1   |            |      |        |

Source: US Census Bureau, 2010 Census

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to **the** County

**Table 12. Local Setting - Age Groups and Sex (cont'd)**

| Age              | Census Tract 204.02 |       |        |            |        |        |
|------------------|---------------------|-------|--------|------------|--------|--------|
|                  | Number              |       |        | Percent    |        |        |
|                  | Both sexes          | Male  | Female | Both sexes | Male   | Female |
| Total Population | 4,693               | 2,352 | 2,341  | 100%       | 50.10% | 49.90% |
| Median Age       | 30.7                | 29    | 32.9   |            |        |        |

Source: US Census Bureau, 2010 Census

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 13. Local Setting - Age Groups and Sex (cont'd)**

| Age   | **Census Tract 310.01 and 310.02 |       |        |            |      |        |
|---|----------------------------------|-------|--------|------------|------|--------|
|   | Number                           |       |        | Percent    |      |        |
|   | Both sexes                       | Male  | Female | Both sexes | Male | Female |
| Total Population  | 7,151                            | 3,529 | 3,622  | 100%       | 49%  | 51%    |
| Median Age  | 40.30                            | 38.7  | 41.9   |            |      |        |
| **In 2020 Census Tract 310 split into 310.01 and 310.02; Table P 12 and P 13 data for 2020 were not available, so 2010 data were used for Census Tract 310. |                                  |       |        |            |      |        |

Source: US Census Bureau, 2010 Census

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 14. Project Radius - Age Groups and Sex**

| Age              | Project Area - 1 Miles |      |        |            |      |        |
|------------------|------------------------|------|--------|------------|------|--------|
|                  | Number                 |      |        | Percent    |      |        |
|                  | Both sexes             | Male | Female | Both sexes | Male | Female |
| Total Population | 1,900                  | 882  | 1,017  | 100%       | 46%  | 54%    |

Source: EJScreen's American Community Survey 2016-2020 U.S. Census data

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

## 5.3 Disability

### Summary of Environmental Justice Indicators:

1. Is there a percentage increase of 10% or more compared to the county or state's total population with a disability?
  - Facility Area (1-mile radius): The facility area was not assessed because EJScreen does not provide statistics on disability.
  - Census tract 202.01: No, not for total population.
  - Census tract 203: Yes, compared to the state.
  - Census tract 204.01: Yes, compared to the state and the county
  - Census tract 310.01: Yes, compared to the state and the county
  - Census tract 310.02: Yes, compared to the state and the county

### Regional Setting

According to the 2020 American Community Survey 5-Year Estimates, Table S1810 Disability Characteristics from the US Census Bureau, the state of North Carolina had an estimated total population of 10,178,084 noninstitutionalized citizens. Of those individuals, an estimated 13% (MOE +/- 0.1%) had a disability. American Indian and Alaskan Native had the highest estimated disability rate of 18% (MOE +/- 0.8%). Black or African American and White (not Hispanic or Latino) had the next highest population estimates with disabilities in North Carolina, both at 14% (MOE +/-0.2%) and 14% (MOE +/- 0.1%), respectively (Table 15).

Chatham County had an estimated total population of 77,265 noninstitutionalized citizens. Of those, an estimated 14.4% (MOE +/- 1.3%) had a disability. The largest population of disabled civilians was American Indian and Alaska Native (32%, MOE 21.5%). The percent American Indian and Alaska Native disability rate was greater than 10% different when compared to the state. (Table 15).

Randolph County had an estimated total population of 142,110 noninstitutionalized citizens. Of those, an estimated 17% (MOE +/- 1.0%) had a disability. The largest population of disabled civilians was Black or African American (21.0%, MOE 3.7%), followed by White (not Hispanic or Latino) (18%, MOE +/- 1.1%). The percent White (not Hispanic or Latino), Black or African American, Asian, and Hispanic or Latino disability rates were each greater than 10% different when compared to the state. The percent of the population with a hearing difficulty, a vision difficulty, a cognitive difficulty, or an ambulatory difficulty were each greater than 10% different when compared to the state. The total population of noninstitutionalized citizens with a disability in Randolph County was greater than 10% different when compared to the state. (Table 16).

**Table 15. Regional Setting – Disability**

| Subject  | North Carolina |                     |                   |                     |                           |                     | Chatham County* |                     |                   |                     |                           |                     |
|--|----------------|---------------------|-------------------|---------------------|---------------------------|---------------------|-----------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total          |                     | With a Disability |                     | Percent with a Disability |                     | Total           |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate       | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- | Estimate        | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population | 10,178,084     | 2,246               | 1,363,146         | 10,334              | 13%                       | 0.1                 | 72,265          | ±143                | 10,415            | ±970                | 14.40%                    | ±1.3                |
| RACE AND HISPANIC OR LATINO ORIGIN             |                |                     |                   |                     |                           |                     |                 |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)                 | 6,887,100      | 8,360               | 952,878           | 7,860               | 14%                       | 0.1                 | 57221           | ±664                | 8622              | ±900                | 15%                       | ±1.5                |
| Black or African American                      | 2,162,727      | 5,667               | 312,089           | 5,124               | 14%                       | 0.2                 | 8419            | ±498                | 1332              | ±304                | 16%                       | ±3.7                |
| American Indian and Alaska Native              | 117,165        | 2,329               | 21,497            | 933                 | 18%                       | 0.8                 | 130             | ±129                | 42                | ±54                 | <b>32%</b>                | ±21.5               |
| Asian  | 305,567        | 2,316               | 16,107            | 1,164               | 5%                        | 0.4                 | 1182            | ±147                | 32                | ±35                 | 3%                        | ±2.9                |
| Native Hawaiian and Other Pacific Islander     | 6,715          | 771                 | 620               | 185                 | 9%                        | 2.8                 | 0               | ±31                 | 0                 | ±31                 | 0%                        | NA                  |
| Some other Race                                | 330,447        | 8,082               | 21,840            | 1,304               | 7%                        | 0.4                 | 2663            | ±829                | 161               | ±143                | 6%                        | ±4.9                |
| Two or more races                              | 368,363        | 7,303               | 38,115            | 1,947               | 10%                       | 0.5                 | 2650            | ±597                | 226               | ±111                | 9%                        | ±3.9                |
| Hispanic or Latino                             | 968,502        | 1,000               | 63,943            | 2,301               | 7%                        | 0.2                 | 8780            | ±23                 | 811               | ±268                | <b>9%</b>                 | ±3.0                |
| Type of Disability                             |                |                     |                   |                     |                           |                     |                 |                     |                   |                     |                           |                     |
| With a hearing difficulty                      | (X)            | (X)                 | 379973            | 5120                | 4%                        | 0.1                 | (X)             | (X)                 | 3,911             | ±701                | <b>5.40%</b>              | ±1.0                |
| With a vision difficulty                       | (X)            | (X)                 | 263954            | 5052                | 3%                        | 0.1                 | (X)             | (X)                 | 3,092             | ±571                | <b>4.30%</b>              | ±0.8                |
| With a cognitive difficulty                    | (X)            | (X)                 | 515673            | 7341                | 5%                        | 0.1                 | (X)             | (X)                 | 3,595             | ±547                | 5.20%                     | ±0.8                |
| With an ambulatory difficulty                  | (X)            | (X)                 | 711995            | 6660                | 7%                        | 0.1                 | (X)             | (X)                 | 4,674             | ±633                | 6.80%                     | ±0.9                |

Source: US Census Data, 2020 5-year ACS estimates

\* Facility is located in this County.

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

(X) indicates the Census Data are missing in the source data

NA indicates too few samples were available to compute the statistic

**Table 16. Regional Setting - Disability (cont'd)**

| Subject  | North Carolina |                     |                   |                     |                           |                     | Randolph County |                     |                   |                     |                           |                     |
|--|----------------|---------------------|-------------------|---------------------|---------------------------|---------------------|-----------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total          |                     | With a Disability |                     | Percent with a Disability |                     | Total           |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate       | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- | Estimate        | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population | 10,178,084     | 2,246               | 1,363,146         | 10,334              | 13%                       | 0.1                 | 142,110         | ±238                | 24,187            | ±1,366              | <b>17.00%</b>             | ±1.0                |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>      |                |                     |                   |                     |                           |                     |                 |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)                 | 6,887,100      | 8,360               | 952,878           | 7,860               | 14%                       | 0.1                 | 119546          | ±1,288              | 21146             | ±1,306              | <b>18%</b>                | ±1.1                |
| Black or African American                      | 2,162,727      | 5,667               | 312,089           | 5,124               | 14%                       | 0.2                 | 8651            | ±602                | 1812              | ±354                | <b>21%</b>                | ±3.7                |
| American Indian and Alaska Native              | 117,165        | 2,329               | 21,497            | 933                 | 18%                       | 0.8                 | 435             | ±138                | 68                | ±52                 | 16%                       | ±11.5               |
| Asian  | 305,567        | 2,316               | 16,107            | 1,164               | 5%                        | 0.4                 | 1763            | ±251                | 273               | ±140                | <b>16%</b>                | ±7.5                |
| Native Hawaiian and Other Pacific Islander     | 6,715          | 771                 | 620               | 185                 | 9%                        | 2.8                 | 95              | ±106                | 0                 | ±31                 | 0%                        | ±32.9               |
| Some other Race                                | 330,447        | 8,082               | 21,840            | 1,304               | 7%                        | 0.4                 | 7187            | ±1,199              | 394               | ±139                | 6%                        | ±1.9                |
| Two or more races                              | 368,363        | 7,303               | 38,115            | 1,947               | 10%                       | 0.5                 | 4433            | ±760                | 494               | ±165                | 11%                       | ±4.0                |
| Hispanic or Latino                             | 968,502        | 1,000               | 63,943            | 2,301               | 7%                        | 0.2                 | 16694           | ±48                 | 1282              | ±322                | <b>8%</b>                 | ±1.9                |
| <b>Type of Disability</b>                      |                |                     |                   |                     |                           |                     |                 |                     |                   |                     |                           |                     |
| With a hearing difficulty                      | (X)            | (X)                 | 379973            | 5120                | 4%                        | 0.1                 | (X)             | (X)                 | 6,788             | ±662                | <b>4.80%</b>              | ±0.5                |
| With a vision difficulty                       | (X)            | (X)                 | 263954            | 5052                | 3%                        | 0.1                 | (X)             | (X)                 | 4,507             | ±587                | <b>3.20%</b>              | ±0.4                |
| With a cognitive difficulty                    | (X)            | (X)                 | 515673            | 7341                | 5%                        | 0.1                 | (X)             | (X)                 | 10,000            | ±1,012              | <b>7.50%</b>              | ±0.8                |
| With an ambulatory difficulty                  | (X)            | (X)                 | 711995            | 6660                | 7%                        | 0.1                 | (X)             | (X)                 | 12,180            | ±904                | <b>9.10%</b>              | ±0.7                |

Source: US Census Data, 2020 5-year ACS estimates

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

(X) indicates the Census Data are missing in the source data

NA indicates too few samples were available to compute the statistic

## Local Setting

According to the 2020 American Community Survey 5-Year Estimates, Table S1810 Disability Characteristics from the US Census Bureau, Census Tract 202.01 had an estimated total population of 3,133 noninstitutionalized citizens (Table 17). Of those individuals, an estimated 11.7% (MOE +/- 5.1%) had a disability. The subjects with the largest population of disabled civilians were White (12.8%, MOE +/- 6.3%), followed by Black or African American at 11.4% (MOE +/- 13.9%).

Census Tract 203 had an estimated total population of 2,780 noninstitutionalized citizens (Table 18). Of those individuals, an estimated 15.7% (MOE +/- 5.7%) had a disability. The subjects with the largest population of disabled civilians were White (14.5%, MOE +/- 6.8%) followed by Black or African American (29.2%, MOE +/- 15.8%). Total population with a disability was greater than 10% higher compared to the state.

Census Tract 204.01 had an estimated total population of 5,746 noninstitutionalized citizens (Table 19). Of those individuals, an estimated 17.7% (MOE +/- 4.3%) had a disability. The subjects with the largest population of disabled civilians was White (21.5%, MOE +/- 5.3%) followed by Hispanic or Latino (8.8%, MOE +/- 5.6). Total population with a disability was greater than 10% higher compared to the state and county.

Census Tract 204.02 had an estimated total population of 5,164 noninstitutionalized citizens (Table 20). Of those individuals, an estimated 14.5% (MOE +/- 5.4%) had a disability. The subjects with the largest population of disabled civilians was White (not Hispanic or Latino) (19.4%, MOE +/- 8.0%), followed by Hispanic or Latino at 11.4% (MOE +/- 7.3)

Census Tract 310.01 had an estimated total population of 3,472 noninstitutionalized citizens (Table 21). Of those individuals, an estimated 24.8% (MOE +/- 7.1%) had a disability. The subjects with the largest population of disabled civilians was White (not Hispanic or Latino) (31.5%, MOE +/- 11.0) followed by two or more races (6.2%, MOE +/- 2.7%). Total population with a disability was greater than 10% higher compared to the state and county.

Census Tract 310.02 had an estimated total population of 4,082 noninstitutionalized citizens (Table 22). Of those individuals, an estimated 19.7% (MOE +/- 5.8%) had a disability. The subjects with the largest population of disabled civilians was White (19.4%, MOE +/- 5.8%) followed by Black or African American (23.1%, MOE +/- 19.3%). Total population with a disability was greater than 10% higher compared to the state and county.

**Table 17. Local Setting - Disability**

| Subject  | Census Tract 202.01 |                     |                   |                     |                           |                     |
|--|---------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total               |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population   | 3133                | 576                 | 365               | 155                 | 11.7%                     | 5.1                 |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>  |                     |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)   | 2,461.0             | 538.0               | 316.0             | 147.0               | 12.8%                     | 6.3                 |
| Black or African American  | 428.0               | 344.0               | 49.0              | 69.0                | 11.4%                     | 13.9                |
| American Indian and Alaska Native  | 0.0                 | 13.0                | 0.0               | 13.0                | 0.0%                      | NA                  |
| Asian  | 0.0                 | 13.0                | 0.0               | 13.0                | 0.0%                      | NA                  |
| Native Hawaiian and Other Pacific Islander   | 0.0                 | 13.0                | 0.0               | 13.0                | 0.0%                      | NA                  |
| Some other Race  | 73.0                | 113.0               | 0.0               | 13.0                | 0.0%                      | 38.5                |
| Two or more races  | 171.0               | 151.0               | 0.0               | 13.0                | 0.0%                      | 20.7                |
| Hispanic or Latino   | 149.0               | 136.0               | 12.0              | 20.0                | <b>8.1%</b>               | 9.9                 |
| <b>Type of Disability</b>  |                     |                     |                   |                     |                           |                     |
| With a hearing difficulty  | (X)                 | (X)                 | 95                | 98                  | 3.0%                      | 3.1                 |
| With a vision difficulty   | (X)                 | (X)                 | 71                | 70                  | 2.3%                      | 2.3                 |
| With a cognitive difficulty  | (X)                 | (X)                 | 120               | 110                 | 4.0%                      | 3.7                 |
| With an ambulatory difficulty  | (X)                 | (X)                 | 212               | 134                 | 7.0%                      | 4.6                 |
| <p>Source: US Census Data, 2020 5-year ACS estimates</p> <p>All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 10% or more in the County compared to the State</p> <p>All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County</p> <p>All <b>bolded and green</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County</p> <p>(X) indicates the Census Data are missing in the source data</p> <p>NA indicates too few samples were available to compute the statistic</p> |                     |                     |                   |                     |                           |                     |

**Table 18. Local Setting - Disability (cont'd)**

| Subject  | Census Tract 203* |                     |                   |                     |                           |                     |
|--|-------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total             |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate          | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population | 2,780             | ±446                | 436               | ±143                | <b>15.70%</b>             | ±5.7                |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>      |                   |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)                 | 2,190             | ±475                | 318               | ±130                | 14.50%                    | ±6.8                |
| Black or African American                      | 401               | ±137                | 117               | ±65                 | <b>29.20%</b>             | ±15.8               |
| American Indian and Alaska Native              | 0                 | ±13                 | 0                 | ±13                 | 0                         | NA                  |
| Asian  | 1                 | ±2                  | 1                 | ±2                  | <b>100.00%</b>            | ±100.0              |
| Native Hawaiian and Other Pacific Islander     | 0                 | ±13                 | 0                 | ±13                 | 0                         | NA                  |
| Some other Race                                | 188               | ±205                | 0                 | ±13                 | 0.00%                     | ±19.0               |
| Two or more races                              | 0                 | ±13                 | 0                 | ±13                 | 0                         | NA                  |
| Hispanic or Latino                             | 542               | ±334                | 7                 | ±11                 | 1.30%                     | ±2.1                |
| <b>Type of Disability</b>                      |                   |                     |                   |                     |                           |                     |
| With a hearing difficulty                      | (X)               | (X)                 | 99                | ±53                 | 3.60%                     | ±2.2                |
| With a vision difficulty                       | (X)               | (X)                 | 66                | ±51                 | 2.40%                     | ±1.8                |
| With a cognitive difficulty                    | (X)               | (X)                 | 139               | ±72                 | 5.60%                     | ±2.9                |
| With an ambulatory difficulty                  | (X)               | (X)                 | 270               | ±115                | <b>10.90%</b>             | ±5.0                |

Source: US Census Data, 2020 5-year ACS estimates

\*Facility is located in this census tract

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County

(X) indicates the Census Data are missing in the source data

NA indicates too few samples were available to compute the statistic

**Table 19. Local Setting - Disability (cont'd)**

| Subject  | Census Tract 204.01 |                     |                   |                     |                           |                     |
|--|---------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total               |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population   | 5,746               | ±587                | 1,018             | ±253                | <b>17.70%</b>             | ±4.3                |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>  |                     |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)   | 3,705               | ±554                | 796               | ±194                | <b>21.50%</b>             | ±4.8                |
| Black or African American  | 1,069               | ±441                | 181               | ±149                | <b>16.90%</b>             | ±11.9               |
| American Indian and Alaska Native  | 0                   | ±19                 | 0                 | ±19                 | 0                         | NA                  |
| Asian  | 7                   | ±16                 | 0                 | ±19                 | 0.00%                     | ±100.0              |
| Native Hawaiian and Other Pacific Islander   | 0                   | ±19                 | 0                 | ±19                 | 0                         | NA                  |
| Some other Race  | 857                 | ±486                | 13                | ±20                 | 1.50%                     | ±2.5                |
| Two or more races  | 108                 | ±107                | 28                | ±47                 | <b>25.90%</b>             | ±42.3               |
| Hispanic or Latino   | 2,609               | ±572                | 230               | ±150                | <b>8.80%</b>              | ±5.6                |
| <b>Type of Disability</b>  |                     |                     |                   |                     |                           |                     |
| With a hearing difficulty  | (X)                 | (X)                 | 323               | ±136                | <b>5.60%</b>              | ±2.4                |
| With a vision difficulty   | (X)                 | (X)                 | 299               | ±197                | <b>5.20%</b>              | ±3.4                |
| With a cognitive difficulty  | (X)                 | (X)                 | 352               | ±145                | <b>6.50%</b>              | ±2.7                |
| With an ambulatory difficulty  | (X)                 | (X)                 | 404               | ±140                | <b>7.50%</b>              | ±2.7                |
| <p>Source: US Census Data, 2020 5-year ACS estimates</p> <p>All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 10% or more in the County compared to the State</p> <p>All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County</p> <p>All <b>bolded and green</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County</p> <p>(X) indicates the Census Data are missing in the source data</p> <p>NA indicates too few samples were available to compute the statistic</p> |                     |                     |                   |                     |                           |                     |

**Table 20. Local Setting - Disability (cont'd)**

| Subject  | Census Tract 204.02 |                     |                   |                     |                           |                     |
|--|---------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total               |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population   | 5,164               | ±915                | 747               | ±227                | 14.50%                    | ±5.4                |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>  |                     |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)   | 2,573               | ±634                | 499               | ±194                | <b>19.40%</b>             | ±8.0                |
| Black or African American  | 1,374               | ±618                | 175               | ±131                | 12.70%                    | ±10.6               |
| American Indian and Alaska Native  | 9                   | ±15                 | 0                 | ±19                 | 0.00%                     | ±100.0              |
| Asian  | 0                   | ±19                 | 0                 | ±19                 | 0                         | NA                  |
| Native Hawaiian and Other Pacific Islander   | 0                   | ±19                 | 0                 | ±19                 | 0                         | NA                  |
| Some other Race  | 760                 | ±435                | 36                | ±41                 | 4.70%                     | ±4.2                |
| Two or more races  | 448                 | ±288                | 37                | ±66                 | 8.30%                     | ±15.0               |
| Hispanic or Latino   | 2,049               | ±443                | 233               | ±156                | <b>11.40%</b>             | ±7.3                |
| <b>Type of Disability</b>  |                     |                     |                   |                     |                           |                     |
| With a hearing difficulty  | (X)                 | (X)                 | 243               | ±113                | <b>4.70%</b>              | ±2.5                |
| With a vision difficulty   | (X)                 | (X)                 | 261               | ±169                | <b>5.10%</b>              | ±3.5                |
| With a cognitive difficulty  | (X)                 | (X)                 | 397               | ±190                | <b>8.00%</b>              | ±4.2                |
| With an ambulatory difficulty  | (X)                 | (X)                 | 367               | ±149                | 7.40%                     | ±3.5                |
| Source: US Census Data, 2020 5-year ACS estimates  |                     |                     |                   |                     |                           |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 10% or more in the County compared to the State   |                     |                     |                   |                     |                           |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                   |                     |                           |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                   |                     |                           |                     |
| (X) indicates the Census Data are missing in the source data   |                     |                     |                   |                     |                           |                     |
| NA indicates too few samples were available to compute the statistic   |                     |                     |                   |                     |                           |                     |

**Table 21. Local Setting- Disability (cont'd)**

| Subject  | Census Tract 310.01 |                     |                   |                     |                           |                     |
|--|---------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total               |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population   | 3,472               | 832                 | 861               | 340                 | <b>24.8%</b>              | 7.1                 |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>  |                     |                     |                   |                     | 0.0%                      |                     |
| White (not Hispanic or Latino)   | 2,468               | 617                 | 778               | 343                 | <b>31.5%</b>              | 11.0                |
| Black or African American  | 166                 | 98                  | 30                | 30                  | <b>18.1%</b>              | 16.5                |
| American Indian and Alaska Native  | 69                  | 82                  | 14                | 17                  | <b>20.3%</b>              | 36.0                |
| Asian  | 30                  | 40                  | 0                 | 13                  | 0.0%                      | 60.1                |
| Native Hawaiian and Other Pacific Islander   | 0                   | 13                  | 0                 | 13                  | 0.0%                      | NA                  |
| Some other Race  | 187                 | 215                 | 5                 | 10                  | 2.7%                      | 7.8                 |
| Two or more races  | 552                 | 447                 | 34                | 40                  | 6.2%                      | 9.9                 |
| Hispanic or Latino   | 897                 | 537                 | 14                | 18                  | 1.6%                      | 2.7                 |
| <b>Type of Disability</b>  |                     |                     |                   |                     | 0.0%                      |                     |
| With a hearing difficulty  | (X)                 | (X)                 | 146               | 89                  | <b>4.2%</b>               | 2.6                 |
| With a vision difficulty   | (X)                 | (X)                 | 167               | 100                 | <b>4.8%</b>               | 3.1                 |
| With a cognitive difficulty  | (X)                 | (X)                 | 594               | 324                 | <b>19.1%</b>              | 8.0                 |
| With an ambulatory difficulty  | (X)                 | (X)                 | 236               | 91                  | 7.6%                      | 3.2                 |
| Source: US Census Data, 2020 5-year ACS estimates  |                     |                     |                   |                     |                           |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 10% or more in the County compared to the State   |                     |                     |                   |                     |                           |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                   |                     |                           |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                   |                     |                           |                     |
| (X) indicates the Census Data are missing in the source data   |                     |                     |                   |                     |                           |                     |
| NA indicates too few samples were available to compute the statistic   |                     |                     |                   |                     |                           |                     |

**Table 22. Local Setting - Disability (cont'd)**

| Subject  | Census Tract 310.02 |                     |                   |                     |                           |                     |
|--|---------------------|---------------------|-------------------|---------------------|---------------------------|---------------------|
|  | Total               |                     | With a Disability |                     | Percent with a Disability |                     |
|  | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- | Estimate                  | Margin of Error +/- |
| Total civilian noninstitutionalized population   | 4,082               | 468                 | 804               | 232                 | <b>19.7%</b>              | 5.8                 |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>  |                     |                     |                   |                     |                           |                     |
| White (not Hispanic or Latino)   | 3,390               | 421                 | 657               | 186                 | <b>19.4%</b>              | 5.8                 |
| Black or African American  | 610                 | 273                 | 141               | 100                 | <b>23.1%</b>              | 19.3                |
| American Indian and Alaska Native  | 0                   | 13                  | 0                 | 13                  | 0.0%                      | NA                  |
| Asian  | 0                   | 13                  | 0                 | 13                  | 0.0%                      | NA                  |
| Native Hawaiian and Other Pacific Islander   | 0                   | 13                  | 0                 | 13                  | 0.0%                      | NA                  |
| Some other Race  | 36                  | 41                  | 2                 | 4                   | 5.6%                      | 13.8                |
| Two or more races  | 46                  | 50                  | 4                 | 7                   | 8.7%                      | 16.6                |
| Hispanic or Latino   | 274                 | 202                 | 46                | 61                  | <b>16.8%</b>              | 14.0                |
| <b>Type of Disability</b>  |                     |                     |                   |                     |                           |                     |
| With a hearing difficulty  | (X)                 | (X)                 | 231               | 5.7%                | <b>5.7%</b>               | 2.7                 |
| With a vision difficulty   | (X)                 | (X)                 | 186               | 4.6%                | <b>4.6%</b>               | 2.3                 |
| With a cognitive difficulty  | (X)                 | (X)                 | 467               | 11.7%               | <b>11.7%</b>              | 4.8                 |
| With an ambulatory difficulty  | (X)                 | (X)                 | 431               | 10.8%               | <b>10.8%</b>              | 4.4                 |
| Source: US Census Data, 2020 5-year ACS estimates  |                     |                     |                   |                     |                           |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 10% or more in the County compared to the State   |                     |                     |                   |                     |                           |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                   |                     |                           |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 10% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                   |                     |                           |                     |
| (X) indicates the Census Data are missing in the source data   |                     |                     |                   |                     |                           |                     |
| NA indicates too few samples were available to compute the statistic   |                     |                     |                   |                     |                           |                     |

## 5.4 Poverty

### Summary of Environmental Justice Indicators:

1. Is there a percentage increase of 5% or more compared to the county or state average poverty?
  - Facility Area (one-mile radius): The facility area was not assessed because EJScreen does not provide statistics on poverty.
  - Census tract 202.01: No, not for total population.
  - Census tract 203: No, not for total population.
  - Census tract 204.01: Yes, compared to the state and the county
  - Census tract 204.02: Yes, compared to the state and the county.
  - Census tract 310.01: Yes, compared to the state and the county
  - Census tract 310.02: No, not for total population.
2. Is the share of population experiencing poverty 20% or more?
  - Yes, in two of six census tracts for which the facility area (one-mile radius) intersects the population experiencing poverty is 33.6% (census tract 204.02), and 32.8% (census tract 310.01)

### NC Department of Commerce County Ranking

Chatham County is a Tier 3 county and Randolph County is a Tier 1 county by the NC Department of Commerce 2022 rankings. According to the Department of Commerce, Tier 1 counties encompass the 40 most distressed counties based on average unemployment rate, median household income, percentage growth in population, and adjusted property tax per capita. Tier 3 counties encompass the least distressed 20 counties based on this ranking system.

### Regional Setting

According to the Census Table S1701, Poverty Status in the Past 12 Months, 2020 American Community Survey 5-Year Estimates, from the US Census Bureau, North Carolina had an estimated population of 10,098,330, with 14.0% (MOE +/- 0.2%) below the poverty level (Table 22). Across all subjects, Some Other Race had the highest percent living below the poverty level at 25.0% (MOE +/- 1.5%). The next three subjects with the highest poverty level were American Indian and Alaska Native at 24.1% (MOE +/- 1.2%), Hispanic or Latino at 23.9% (MOE +/- 0.6%), and Native Hawaiian and Pacific Islander at 22.8% (MOE +/- 5.0%). Households below 200 percent of the federal poverty level<sup>5</sup> are calculated by multiplying the percentage point by the

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<sup>5</sup> <https://www.thebalance.com/federal-poverty-level-definition-guidelines-chart-3305843>

poverty level for the number of individuals in that household. For example, to calculate 200% of the poverty level for a household of four in 2021<sup>6</sup>, that would be \$53,000 (2.0 x \$26,500).

Chatham County had an estimated population of 72,010 with 10.7% (MOE +/- 1.6%) living below the poverty level (Table 23). Across all subjects American Indian and Alaska Native had the highest percent living below the poverty level at 71.5% (MOE +/- 49.1%), followed by Hispanic or Latino (24.7%, MOE +/- 6.7%), and two or more races (24.5%, MOE +/- 10.0%). Black or African American, American Indian and Alaska Native, some other race, two or more races, and Hispanic or Latino had estimates with 10% increase or more when compared to the state.

Randolph County had an estimated population of 141,686 with 14.6% (MOE +/- 1.30%) living below the poverty level. Across all subjects, Black or African American had the highest percent living below the poverty level at 26.8% (MOE +/- 6.5%), followed some other race (25.9%, MOE +/- 7.0%), and two or more races (24.7%, MOE +/- 9.6). White (not Hispanic or Latino), Black or African American, American Indian and Alaska Native, Asian, some other race, two or more races, and Hispanic or Latino had estimates with 10% increase or more when compared to the state (Table 24).

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<sup>6</sup> The poverty level for a household of four in 2021 is an annual income of \$26,500. To calculate the poverty level for larger families, add \$4,540 for each additional person in the household. For smaller families, subtract \$4,540 per person.

**Table 23. Regional Setting – Poverty**

| Subject   | North Carolina |                     |                     |                     |                             |                     | Chatham County* |                     |                     |                     |                             |                     |
|---|----------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|-----------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total          |                     | Below poverty level |                     | Percent below poverty level |                     | Total           |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate       | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- | Estimate        | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 10,098,330     | ±2,221              | 1,411,939           | 17,543              | 14.0%                       | 0.2                 | 72,010          | 275                 | 7,736               | 1,180               | 10.7%                       | 1.60                |
| RACE AND HISPANIC OR LATINO ORIGIN  |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| White   | 6,344,815      | 4,042               | 622,712             | 11,804              | 9.8%                        | 0.2                 | 57,038          | 657                 | 4,455               | 881                 | 7.8%                        | 1.50                |
| Black or African American   | 2,132,832      | 6,025               | 456,894             | 7,600               | 21.4%                       | 0.4                 | 8,419           | 498                 | 1,974               | 544                 | <b>23.4%</b>                | 5.80                |
| American Indian and Alaska Native   | 116,785        | 2,358               | 28,165              | 1,550               | 24.1%                       | 1.2                 | 130             | 129                 | 93                  | 122                 | <b>71.5%</b>                | 49.10               |
| Asian   | 301,700        | 2,467               | 30,354              | 2,417               | 10.1%                       | 0.8                 | 1,182           | 147                 | 16                  | 24                  | 1.4%                        | 2.00                |
| Native Hawaiian and Other Pacific Islander  | 6,653          | 762                 | 1,516               | 343                 | 22.8%                       | 5.0                 | -               | 31                  | -                   | 31                  | -                           | **                  |
| Some other Race   | 328,061        | 8,018               | 82,109              | 5,279               | 25.0%                       | 1.5                 | 2,591           | 815                 | 549                 | 368                 | <b>21.2%</b>                | 13.70               |
| Two or more races   | 365,189        | 7,058               | 70,845              | 3,951               | 19.4%                       | 1.0                 | 2,650           | 597                 | 649                 | 318                 | <b>24.5%</b>                | 10.00               |
| Hispanic or Latino  | 966,330        | 1,407               | 230,691             | 6,016               | 23.9%                       | 0.6                 | 8,736           | 65                  | 2,158               | 586                 | <b>24.7%</b>                | 6.70                |
| All individuals below:  |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | 3,331,937      | 25,024              |                     |                     |                             |                     | 19,526          | 1,184               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| *Facility is in this County   |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |

**Table 24. Regional Setting – Poverty (cont'd)**

| Subject   | North Carolina |                     |                     |                     |                             |                     | Randolph County |                     |                     |                     |                             |                     |
|---|----------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|-----------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total          |                     | Below poverty level |                     | Percent below poverty level |                     | Total           |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate       | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- | Estimate        | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 10,098,330     | ±2,221              | 1,411,939           | 17,543              | 14.0%                       | 0.2                 | 141,686         | 362                 | 20,714              | 1,806               | 14.6%                       | 1.30                |
| RACE AND HISPANIC OR LATINO ORIGIN  |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| White   | 6,344,815      | 4,042               | 622,712             | 11,804              | 9.8%                        | 0.2                 | 119,396         | 1256                | 15164               | 1512                | <b>12.7%</b>                | 1.30                |
| Black or African American   | 2,132,832      | 6,025               | 456,894             | 7,600               | 21.4%                       | 0.4                 | 8,493           | 624                 | 2,274               | 585                 | <b>26.8%</b>                | 6.50                |
| American Indian and Alaska Native   | 116,785        | 2,358               | 28,165              | 1,550               | 24.1%                       | 1.2                 | 435             | 138                 | 85                  | 45                  | <b>19.5%</b>                | 9.10                |
| Asian   | 301,700        | 2,467               | 30,354              | 2,417               | 10.1%                       | 0.8                 | 1,763           | 251                 | 259                 | 163                 | <b>14.7%</b>                | 9.00                |
| Native Hawaiian and Other Pacific Islander  | 6,653          | 762                 | 1,516               | 343                 | 22.8%                       | 5.0                 | 95              | 106                 | -                   | 31                  | 0.0%                        | 32.90               |
| Some other Race   | 328,061        | 8,018               | 82,109              | 5,279               | 25.0%                       | 1.5                 | 7,160           | 1,192               | 1,858               | 644                 | <b>25.9%</b>                | 7.00                |
| Two or more races   | 365,189        | 7,058               | 70,845              | 3,951               | 19.4%                       | 1.0                 | 4,344           | 761                 | 1,074               | 510                 | <b>24.7%</b>                | 9.60                |
| Hispanic or Latino  | 966,330        | 1,407               | 230,691             | 6,016               | 23.9%                       | 0.6                 | 16,673          | 59                  | 3,952               | 903                 | <b>23.7%</b>                | 5.40                |
| All individuals below:  |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | 3,331,937      | 25,024              |                     |                     |                             |                     | <b>54,778</b>   | 2,557               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State |                |                     |                     |                     |                             |                     |                 |                     |                     |                     |                             |                     |

## Local Setting

According to the Census Table S1701, Poverty Status in the Past 12 Months, 2020 American Community Survey 5-Year Estimates, from the US Census Bureau, Census Tract 202.01 had an estimated population of 3,133 with 10.2% (MOE +/- 7.4%) living below the poverty level (Table 25). Black or African American and two or more races had poverty estimates with a percentage increase of 5% or more when compared to the state and the county.

Census Tract 203 had an estimated population of 2,780 with 11.2% (MOE +/- 8.3%) living below the poverty level (Table 26). Some other race and Hispanic or Latino had poverty estimates with a percentage increase of 5% or more when compared to the state and the county.

Census Tract 204.01 had an estimated population of 5,709 with 18.1% (MOE +/- 6.6%) living below the poverty level (Table 27). White, Black or African American, and two or more races had poverty estimates with a percentage increase of 5% or more when compared to the state and the county.

Census Tract 204.02 had an estimated population of 5,164 with 33.6% (MOE +/- 10.7%) living below the poverty level (Table 28). White, Black or African American, American Indian and Alaska Native, and Hispanic or Latino had poverty estimates with a percentage increase of 5% or more when compared to the state and the county.

Census Tract 310.01 had an estimated population of 3,472 with 32.8% (MOE +/- 12.0%) living below the poverty level (Table 29). White, Black or African American, American Indian and Alaska Native, some other race, two or more races, and Hispanic or Latino had poverty estimates with a percentage increase of 5% or more when compared to the state and the county.

Census Tract 310.02 had an estimated population of 4,082 with 11% (MOE +/- 5.3%) living below the poverty level (Table 30). Black or African American had poverty estimates with a percentage increase of 5% or more when compared to the state.

**Table 25. Local Setting- Poverty**

| Subject   | Census Tract 202.01 |                     |                     |                     |                             |                     |
|---|---------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total               |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 3,133               | 576                 | 320                 | 246                 | 10.2%                       | 7.4                 |
| RACE AND HISPANIC OR LATINO ORIGIN  |                     |                     |                     |                     |                             |                     |
| White   | 2461.0              | 538.0               | 114.0               | 114.0               | 4.6%                        | 4.8                 |
| Black or African American   | 428.0               | 344.0               | 153.0               | 188.0               | <b>35.7%</b>                | 33.3                |
| American Indian and Alaska Native   | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Asian   | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Native Hawaiian and Other Pacific Islander  | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Some other Race   | 73.0                | 113.0               | 0.0                 | 13.0                | 0.0%                        | 38.5                |
| Two or more races   | 171.0               | 151.0               | 53.0                | 69.0                | <b>31.0%</b>                | 34.4                |
| Hispanic or Latino  | 149.0               | 136.0               | 0.0                 | 13.0                | 0.0%                        | 23.2                |
| All individuals below:  |                     |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | 636.0               | 340.0               |                     |                     |                             |                     |
| <p>Source: US Census Data, 2020 5-year ACS estimates</p> <p>All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State</p> <p>All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County</p> <p>All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County</p> <p>(X) indicates the Census Data are missing in the source data</p> <p>NA indicates too few samples were available to compute the statistic</p> |                     |                     |                     |                     |                             |                     |

**Table 26. Local Setting - Poverty (cont'd)**

| Subject   | Census Tract 203* |                     |                     |                     |                             |                     |
|---|-------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total             |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate          | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 2,780             | 446                 | 311                 | 230                 | 11.2%                       | 8.3                 |
| RACE AND HISPANIC OR LATINO ORIGIN  |                   |                     |                     |                     |                             |                     |
| White   | 2190.0            | 475.0               | 127.0               | 114.0               | 5.8%                        | 5.2                 |
| Black or African American   | 401.0             | 137.0               | 70.0                | 105.0               | 17.5%                       | 25.7                |
| American Indian and Alaska Native   | 0.0               | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Asian   | 1.0               | 2.0                 | 0.0                 | 13.0                | 0.0%                        | 100.0               |
| Native Hawaiian and Other Pacific Islander  | 0.0               | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Some other Race   | 188.0             | 205.0               | 114.0               | 170.0               | <b>60.6%</b>                | 57.7                |
| Two or more races   | 0.0               | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Hispanic or Latino  | 542.0             | 334.0               | 159.0               | 174.0               | <b>29.3%</b>                | 28.1                |
| All individuals below:  |                   |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | 1395.0            | 427.0               |                     |                     |                             |                     |
| <p>Source: US Census Data, 2020 5-year ACS estimates<br/>*Facility is in this Census Tract</p> <p>All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State<br/>           All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County<br/>           All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County</p> |                   |                     |                     |                     |                             |                     |

**Table 27. Local Setting- Poverty (cont'd)**

| Subject   | Census Tract 204.01 |                     |                     |                     |                             |                     |
|---|---------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total               |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 5,709               | 578                 | 1,034               | 408                 | <b>18.1%</b>                | 6.6                 |
| RACE AND HISPANIC OR LATINO ORIGIN  |                     |                     |                     |                     |                             |                     |
| White   | 3722.0              | 555.0               | 512.0               | 254.0               | <b>13.8%</b>                | 6.6                 |
| Black or African American   | 1069.0              | 441.0               | 348.0               | 259.0               | <b>32.6%</b>                | 19.5                |
| American Indian and Alaska Native   | 0.0                 | 19.0                | 0.0                 | 19.0                | 0.0%                        | NA                  |
| Asian   | 7.0                 | 16.0                | 0.0                 | 19.0                | 0.0%                        | 100.0               |
| Native Hawaiian and Other Pacific Islander  | 0.0                 | 19.0                | 0.0                 | 19.0                | 0.0%                        | NA                  |
| Some other Race   | 803.0               | 466.0               | 102.0               | 84.0                | 12.7%                       | 15.1                |
| Two or more races   | 108.0               | 107.0               | 72.0                | 92.0                | <b>66.7%</b>                | 45.2                |
| Hispanic or Latino  | 2583.0              | 571.0               | 339.0               | 232.0               | 13.1%                       | 9.0                 |
| All individuals below:  |                     |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | <b>3534.0</b>       | 664.0               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                     |                     |                             |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                     |                     |                             |                     |

**Table 28. Local Setting- Poverty (cont'd)**

| Subject   | Census Tract 204.02 |                     |                     |                     |                             |                     |
|---|---------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total               |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 5,164               | 915                 | 1,733               | 753                 | <b>33.6%</b>                | 10.7                |
| RACE AND HISPANIC OR LATINO ORIGIN  |                     |                     |                     |                     |                             |                     |
| White   | 2573.0              | 634.0               | 1056.0              | 533.0               | <b>41.0%</b>                | 14.6                |
| Black or African American   | 1374.0              | 618.0               | 534.0               | 328.0               | <b>38.9%</b>                | 12.7                |
| American Indian and Alaska Native   | 9.0                 | 15.0                | 9.0                 | 15.0                | <b>100.0%</b>               | 100.0               |
| Asian   | 0.0                 | 19.0                | 0.0                 | 19.0                | 0.0%                        | NA                  |
| Native Hawaiian and Other Pacific Islander  | 0.0                 | 19.0                | 0.0                 | 19.0                | 0.0%                        | NA                  |
| Some other Race   | 760.0               | 435.0               | 64.0                | 97.0                | 8.4%                        | 12.4                |
| Two or more races   | 448.0               | 288.0               | 70.0                | 101.0               | 15.6%                       | 23.3                |
| Hispanic or Latino  | 2049.0              | 443.0               | 722.0               | 328.0               | <b>35.2%</b>                | 14.4                |
| All individuals below:  |                     |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | <b>3207.0</b>       | 793.0               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                     |                     |                             |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                     |                     |                             |                     |

**Table 29. Local Setting - Poverty (cont'd)**

| Subject   | Census Tract 310.01 |                     |                     |                     |                             |                     |
|---|---------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total               |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 3,472               | 832                 | 1,140               | 564                 | <b>32.8%</b>                | 12.0                |
| <b>RACE AND HISPANIC OR LATINO ORIGIN</b>   |                     |                     |                     |                     |                             |                     |
| White   | 2468.0              | 617.0               | 614.0               | 247.0               | <b>24.9%</b>                | 9.3                 |
| Black or African American   | 166.0               | 98.0                | 62.0                | 56.0                | <b>37.3%</b>                | 27.8                |
| American Indian and Alaska Native   | 69.0                | 82.0                | 19.0                | 21.0                | <b>27.5%</b>                | 48.1                |
| Asian   | 30.0                | 40.0                | 0.0                 | 13.0                | 0.0%                        | 60.1                |
| Native Hawaiian and Other Pacific Islander  | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Some other Race   | 187.0               | 215.0               | 56.0                | 79.0                | <b>29.9%</b>                | 19.0                |
| Two or more races   | 552.0               | 447.0               | 389.0               | 429.0               | <b>70.5%</b>                | 33.4                |
| Hispanic or Latino  | 897.0               | 537.0               | 569.0               | 400.0               | <b>63.4%</b>                | 23.4                |
| All individuals below:  |                     |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | <b>1747.0</b>       | 610.0               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                     |                     |                             |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                     |                     |                             |                     |

**Table 30. Local Setting - Poverty (cont'd)**

| Subject   | Census Tract 310.02 |                     |                     |                     |                             |                     |
|---|---------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
|   | Total               |                     | Below poverty level |                     | Percent below poverty level |                     |
|   | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- | Estimate                    | Margin of Error +/- |
| Population for whom poverty status is determined  | 4082                | 468                 | 451                 | 228                 | 11%                         | 5.3                 |
| RACE AND HISPANIC OR LATINO ORIGIN  |                     |                     |                     |                     |                             |                     |
| White   | 3390.0              | 421.0               | 291.0               | 158.0               | 8.6%                        | 4.6                 |
| Black or African American   | 610.0               | 273.0               | 152.0               | 107.0               | <b>24.9%</b>                | 11.7                |
| American Indian and Alaska Native   | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Asian   | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Native Hawaiian and Other Pacific Islander  | 0.0                 | 13.0                | 0.0                 | 13.0                | 0.0%                        | NA                  |
| Some other Race   | 36.0                | 41.0                | 0.0                 | 13.0                | 0.0%                        | 54.8                |
| Two or more races   | 46.0                | 50.0                | 8.0                 | 14.0                | 17.4%                       | 37.0                |
| Hispanic or Latino  | 274.0               | 202.0               | 3.0                 | 7.0                 | 1.1%                        | 3.3                 |
| All individuals below:  |                     |                     |                     |                     |                             |                     |
| 200 percent of poverty level  | <b>1559.0</b>       | 434.0               |                     |                     |                             |                     |
| Source: US Census Data, 2020 5-year ACS estimates   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and orange</b> highlighted cells indicate a percentage increase of 5% or more in the County compared to the State   |                     |                     |                     |                     |                             |                     |
| All <b>bolded and blue</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area when compared to the State and County |                     |                     |                     |                     |                             |                     |
| All <b>bolded and green</b> highlighted cells indicate a percentage increase of 5% or more in the Census Tract or one-mile radius area compared to the County               |                     |                     |                     |                     |                             |                     |

## 5.5 Household Income

### Summary of Environmental Justice Indicators

1. Is there a percentage increase of 10% or more compared to the county or state for mean or median income?
  - Facility Area (1-mile radius): The facility area was not assessed because EJScreen does not provide statistics on median or mean income.
  - Census tract 202.01: Median income is >10% higher compared to the state  
Census tract 203: No
  - Census tract 204.01: No
  - Census tract 204.02: No
  - Census tract 310.01: No
  - Census tract 310.02: Median and mean income are >10% higher compared to the county.

### Regional Setting

The following table (Table 31) was compiled using data from the Census Table S1901, Income in the Past 12 Months (in 2020 Inflation-Adjusted Dollars) 2020 American Community Survey 5-Year Estimates for North Carolina. The North Carolina household income range with the highest percent was for \$50,000 to \$74,999, at 18.0%. The state median household income was \$56,642 and the mean income was \$79,620.

The household income range for Chatham County with the highest percent was \$50,000 to \$74,999 at 15.8%. The median income was \$69,799 and the mean income was \$104,264, both over 10% higher compared to the state.

The household income range for Randolph County with the highest percent was \$50,000 to \$74,999 at 19.9%. The median income was \$48,984 and the mean income was \$62,117, both lower than that of the state. All of the household income ranges from \$10,000 to \$74,999 were greater than 10% higher when compared to the state.

**Table 31. Regional Setting - Household Income**

| Subject                 | North Carolina |                     | Chatham County* |                     | Randolph County |                     |
|-------------------------|----------------|---------------------|-----------------|---------------------|-----------------|---------------------|
|                         | Households     |                     | Households      |                     | Households      |                     |
|                         | Estimate       | Margin of Error +/- | Estimate        | Margin of Error +/- | Estimate        | Margin of Error +/- |
| Total                   | 4,031,592      | 8,480               | 29,904          | 475                 | 56,790          | 4,031,592           |
| Less than \$10,000      | 6.2%           | 0.1                 | 4.00%           | 1.1                 | 6.40%           | 6.2                 |
| \$10,000 to \$14,999    | 4.8%           | 0.1                 | 4.20%           | 1.1                 | <b>5.40%</b>    | 4.8                 |
| \$15,000 to \$24,999    | 9.7%           | 0.1                 | 8.80%           | 1.2                 | <b>11.80%</b>   | 9.7                 |
| \$25,000 to \$34,999    | 10.0%          | 0.1                 | 9.40%           | 2                   | <b>11.70%</b>   | 10.0                |
| \$35,000 to \$49,999    | 13.6%          | 0.2                 | 10.50%          | 1.5                 | <b>15.90%</b>   | 13.6                |
| \$50,000 to \$74,999    | 18.0%          | 0.1                 | 15.80%          | 1.8                 | <b>19.90%</b>   | 18.0                |
| \$75,000 to \$99,999    | 12.6%          | 0.2                 | 11.30%          | 1.6                 | <b>12.50%</b>   | 12.6                |
| \$100,000 to \$149,999  | 13.7%          | 0.1                 | <b>15.30%</b>   | 1.7                 | 11.20%          | 13.7                |
| \$150,000 to \$199,999  | 5.4%           | 0.1                 | <b>8.20%</b>    | 1.3                 | 3.50%           | 5.4                 |
| \$200,000 or more       | 6.0%           | 0.1                 | <b>12.50%</b>   | 1.4                 | 1.80%           | 6.0                 |
| Median income (dollars) | 56,642         | 280                 | <b>69799</b>    | 4161                | 48984           | 56,642              |
| Mean income (dollars)   | 79,620         | 412                 | <b>104264</b>   | 4985                | 62,117          | 79,620              |

Source: US Census, 2020 ACS 5-Year Estimates.  
\*Facility is in this County  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
All **bolded and green** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area compared to the County

## Local Setting

The household income range for the project area (one-mile radius) with the highest percent was \$25,000-\$50,000 at 34%. EJSCREEN data provides different income ranges that cannot be readily compared in the same manner to U.S. census data.

The household income range for Census Tract 202.01 with the highest percent was \$50,000 to \$74,999 at 26.8% (MOE +/- 12.1%) (Table 32). The median income was \$64,601 and the mean income was \$78,643. The income ranges <\$10,000 up to \$199,999 had varying degrees of difference compared to the state and the county (Table XX).

The household income range for Census Tract 203 with the highest percent was \$50,000 to \$74,999 at 25.5% (MOE +/- 11.6%) (Table 32). The median income was \$53,510 and the mean income was \$61,595. The income ranges less than \$10,000 to \$34,999 had a greater than 10% difference when compared to the county and the state. The income range \$50,000 to \$74,999 was at least 10% higher when compared to the state.

The household income range for Census Tract 204.01 with the highest percent was \$35,000 to \$49,999 at 19.2% (MOE +/- 8%) (Table 33). The median income was \$40,868 and the mean income was \$54,100. The income ranges less than \$10,000; \$15,000 to \$49,999 were at least 10% higher when compared to the county and the state.

The household income range for Census Tract 204.02 with the highest percent was \$50,000 to \$74,999 at 16.8% (MOE +/- 7.1%) (Table 33). The median income was \$32,622 and the mean income was \$60,902. The income ranges \$10,000 to \$49,999 were at least 10% higher when compared to the county and the state.

The household income range for Census Tract 310.01 with the highest percent was \$35,000 to \$49,999 at 18.1% (MOE +/- 7.5%) (Table 34). The median income was \$41,039 and the mean income was \$50,027. The income ranges \$10,000 to \$49,999 were at least 10% higher when compared to the county and the state.

The household income range for Census Tract 310.02 with the highest percent was \$50,000 to \$74,999 at 30.5% (MOE +/- 8.8%) (Table 34). The median income was \$53,248 and the mean income was \$78,060. The income ranges \$10,000 to \$14,999; \$25,000 to \$34,999; \$50,000 to \$74,999 were at least 10% higher when compared to the county and the state. Income range over \$200,000 was greater than 10% higher compared to the county.

**Table 32. Local Setting - Household Income**

| Subject                 | Census Tract 202.01 |                     | Census Tract 203* |                     |
|-------------------------|---------------------|---------------------|-------------------|---------------------|
|                         | Households          |                     | Households        |                     |
|                         | Estimate            | Margin of Error +/- | Estimate          | Margin of Error +/- |
| Total                   | 1,286               | 263                 | 998               | 136                 |
| Less than \$10,000      | <b>4.7%</b>         | 4.2                 | 1.9%              | 2                   |
| \$10,000 to \$14,999    | <b>5.4%</b>         | 6.4                 | <b>5.7%</b>       | 5.1                 |
| \$15,000 to \$24,999    | 0.7%                | 1.2                 | <b>13.0%</b>      | 6.4                 |
| \$25,000 to \$34,999    | <b>12.4%</b>        | 6.9                 | <b>14.4%</b>      | 6.9                 |
| \$35,000 to \$49,999    | 9.3%                | 5.2                 | 10.9%             | 6.3                 |
| \$50,000 to \$74,999    | <b>26.8%</b>        | 12.1                | <b>25.5%</b>      | 11.6                |
| \$75,000 to \$99,999    | <b>20.1%</b>        | 8.3                 | 8.5%              | 4.5                 |
| \$100,000 to \$149,999  | 10.7%               | 6.5                 | 16.8%             | 7.7                 |
| \$150,000 to \$199,999  | <b>7.4%</b>         | 5.6                 | 2.4%              | 2.3                 |
| \$200,000 or more       | 2.4%                | 3.1                 | 0.8%              | 1.2                 |
| Median income (dollars) | <b>64,601</b>       | 6,042               | 53,510            | 7,332               |
| Mean income (dollars)   | 78,643              | 11,603              | 61,595            | 7,021               |

Source: US Census, 2020 ACS 5-Year Estimates.  
\*Facility in this Census Tract  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State  
All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area when compared to the State and County  
All **bolded and green** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 33. Local Setting - Household Income (cont'd)**

| Subject                 | Census Tract 204.01 |                     | Census Tract 204.02 |                     |
|-------------------------|---------------------|---------------------|---------------------|---------------------|
|                         | Households          |                     | Households          |                     |
|                         | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- |
| Total                   | 2,071               | 231                 | 1,972               | 2,071               |
| Less than \$10,000      | <b>7.4%</b>         | 4.6                 | 2.9%                | <b>7.4</b>          |
| \$10,000 to \$14,999    | 3.4%                | 3                   | <b>11.3%</b>        | 3.4                 |
| \$15,000 to \$24,999    | <b>18.1%</b>        | 7.4                 | <b>15.3%</b>        | <b>18.1</b>         |
| \$25,000 to \$34,999    | <b>14.1%</b>        | 6.7                 | <b>22.6%</b>        | <b>14.1</b>         |
| \$35,000 to \$49,999    | <b>19.2%</b>        | 8                   | <b>15.1%</b>        | <b>19.2</b>         |
| \$50,000 to \$74,999    | 16.1%               | 5.8                 | 16.8%               | 16.1                |
| \$75,000 to \$99,999    | 9.2%                | 4.1                 | 5.1%                | 9.2                 |
| \$100,000 to \$149,999  | 7.9%                | 4.6                 | 8.7%                | 7.9                 |
| \$150,000 to \$199,999  | 1.4%                | 1.7                 | 0.0%                | 1.4                 |
| \$200,000 or more       | 3.2%                | 3.9                 | 2.3%                | 3.2                 |
|                         |                     |                     |                     |                     |
| Median income (dollars) | 40,868              | 7,418               | 32,622              | 40,868              |
| Mean income (dollars)   | 54,100              | 8,418               | 60,902              | 54,100              |

Source: US Census, 2020 ACS 5-Year Estimates.

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 34. Local Setting - Household Income (cont'd)**

| Subject                 | Census Tract 310.01 |                     | Census Tract 310.02 |                     |
|-------------------------|---------------------|---------------------|---------------------|---------------------|
|                         | Households          |                     | Households          |                     |
|                         | Estimate            | Margin of Error +/- | Estimate            | Margin of Error +/- |
| Total                   | 1,167               | 253                 | 1,636               | 146                 |
| Less than \$10,000      | <b>17.4%</b>        | 14.1                | 6.4%                | 4.4                 |
| \$10,000 to \$14,999    | 2.4%                | 1.4                 | <b>8.4%</b>         | 4.8                 |
| \$15,000 to \$24,999    | <b>16.6%</b>        | 8.9                 | 9.0%                | 5.2                 |
| \$25,000 to \$34,999    | 7.9%                | 4                   | <b>14.4%</b>        | 7.3                 |
| \$35,000 to \$49,999    | <b>18.1%</b>        | 7.5                 | 6.2%                | 3.1                 |
| \$50,000 to \$74,999    | 14.1%               | 7.5                 | <b>30.5%</b>        | 8.8                 |
| \$75,000 to \$99,999    | 5.4%                | 3.6                 | 9.2%                | 5.4                 |
| \$100,000 to \$149,999  | <b>15.5%</b>        | 12.5                | 9.4%                | 4.3                 |
| \$150,000 to \$199,999  | 1.8%                | 2.2                 | 2.4%                | 3.3                 |
| \$200,000 or more       | 0.8%                | 1.2                 | <b>4.0%</b>         | 5.2                 |
| Median income (dollars) | 41,039              | 10,292              | <b>53,248</b>       | 3,991               |
| Mean income (dollars)   | 50,027              | 11,141              | <b>78,060</b>       | 39,299              |

Source: US Census, 2020 ACS 5-Year Estimates.

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area compared to the County

## 6 Limited English Proficiency (LEP)

### Summary of Environmental Justice Indicators

1. Is there at least 5% of the population or 1000 people who speak English less than very well?
  - Facility Area (1-mile radius): Yes, 11% (Spanish)
  - Census tract 202.01: No
  - Census tract 203: Yes, 7.2% (Spanish)
  - Census tract 204.01: Yes, 18.7% (Spanish)
  - Census tract 204.02: Yes, 17.7% (Spanish)
  - Census tract 310.01: Yes, 8.9% (Spanish)
  - Census tract 310.02: No.

Per the Safe Harbor Guidelines, should an LEP Group be identified during the permit application process, written translations of vital documents for each eligible LEP language group that constitutes 5% or includes 1,000 members (whichever is less) of the population of persons eligible to be served or likely to be affected or encountered. If there are fewer than 50 persons in a language group that reaches the 5% threshold, then DEQ will not translate vital written materials, but instead will provide written notice in the primary language of the LEP language group of the right to receive competent oral interpretation of those written materials, free of cost. The safe harbor provisions apply to the translation of written documents only. Safe harbor guidelines are based on EPA guidance for LEP persons and implemented by DEQ when deemed appropriate.

**Table 35. Regional Setting- Limited English Proficiency**

| Language Spoken at Home                     | North Carolina |         |          |         | Chatham County* |         |               |         |
|---|----------------|---------|----------|---------|-----------------|---------|---------------|---------|
|   | Number         |         | Percent  |         | Number          |         | Percent       |         |
|   | Estimate       | MOE +/- | Estimate | MOE +/- | Estimate        | MOE +/- | Estimate      | MOE +/- |
| <b>Total (population 5 years and over):</b> | 9,780,928      | ±893    | (X)      | (X)     | 69,375          | ±5      | (X)           | (X)     |
| <b>Speak a language other than English</b>  | 8,625,292      | ±9,068  | 88.20%   | ±0.1    | 59,851          | ±711    | 86.30%        | ±1.0    |
| Speak only English                          | 1,155,636      | ±9,054  | 11.80%   | ±0.1    | 9,524           | ±711    | 13.70%        | ±1.0    |
| Speak Spanish                               | 736,886        | ±6,694  | 7.50%    | ±0.1    | 7,787           | ±531    | <b>11.20%</b> | ±0.8    |
| Speak Other Indo-European Language          | 182,659        | ±5,181  | 1.90%    | ±0.1    | 962             | ±300    | 1.40%         | ±0.4    |
| Speak Asian and Pacific Island languages    | 169,745        | ±4,037  | 1.70%    | ±0.1    | 720             | ±206    | 1.00%         | ±0.3    |
| Other Language                              | 66,346         | ±4,189  | 0.70%    | ±0.1    | 55              | ±44     | 0.10%         | ±0.1    |
| Speak English Less than Very Well           | 434577.00      | 6049.00 | 4.40%    | ±0.1    | 3470.00         | ±549    | 5.00%         | 0.80    |

Source: US Census, 2020 ACS 5-Year Estimates.

\*Facility is located in this County

All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State

**Table 36. Regional Setting- Limited English Proficiency**

| Language Spoken at Home                     | North Carolina |         |          |         | Randolph County |         |               |         |
|---|----------------|---------|----------|---------|-----------------|---------|---------------|---------|
|   | Number         |         | Percent  |         | Number          |         | Percent       |         |
|   | Estimate       | MOE +/- | Estimate | MOE +/- | Estimate        | MOE +/- | Estimate      | MOE +/- |
| <b>Total (population 5 years and over):</b> | 9,780,928      | ±893    | (X)      | (X)     | 135,374         | ±143    | (X)           | (X)     |
| <b>Speak a language other than English</b>  | 8,625,292      | ±9,068  | 88.20%   | ±0.1    | 119,222         | ±654    | 88.10%        | ±0.5    |
| Speak only English                          | 1,155,636      | ±9,054  | 11.80%   | ±0.1    | 16,152          | ±639    | 11.90%        | ±0.5    |
| Speak Spanish                               | 736,886        | ±6,694  | 7.50%    | ±0.1    | 14,280          | ±566    | <b>10.50%</b> | ±0.4    |
| Speak Other Indo-European Language          | 182,659        | ±5,181  | 1.90%    | ±0.1    | 879             | ±303    | 0.60%         | ±0.2    |
| Speak Asian and Pacific Island languages    | 169,745        | ±4,037  | 1.70%    | ±0.1    | 811             | ±222    | 0.60%         | ±0.2    |
| Other Language                              | 66,346         | ±4,189  | 0.70%    | ±0.1    | 182             | ±130    | 0.10%         | ±0.1    |
| Speak English Less than Very Well           | 434577.00      | 6049.00 | 4.40%    | ±0.1    | 6347.00         | ±593    | 4.70%         | 0.40    |

Source: US Census, 2020 ACS 5-Year Estimates.

All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State

**Table 37. Limited English Proficiency**

| Language Spoken at Home                     | Facility area (one-mile radius) |         |            |
|---|---------------------------------|---------|------------|
|   | Number                          |         | Percent    |
|   | Estimate                        | MOE +/- | Estimate   |
| <b>Total (population 5 years and over):</b> | 1,827                           | 698     | 100%       |
| Speak only English                          | 1,400                           | 930     | 67%        |
| Speak Spanish                               | 678                             | 452     | <b>33%</b> |
| Speak Other Indo-European Language          | 0                               | 0       | NA         |
| Speak Asian and Pacific Island languages    | 0                               | 0       | NA         |
| Other Language                              | 0                               | 0       | NA         |
| Speak English Less than Very Well           | 196                             | 169     | <b>11%</b> |

Source: EJScreen US Census, 2016- 2020 ACS

All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area compared to the County

**Table 38. Limited English Proficiency**

| Language Spoken at Home                     | Census Tract 202.01 |         |             |         |
|---|---------------------|---------|-------------|---------|
|   | Number              |         | Percent     |         |
|   | Estimate            | MOE +/- | Estimate    | MOE +/- |
| <b>Total (population 5 years and over):</b> | 3,040               | ±561    | (X)         | (X)     |
| <b>Speak a languag other than English</b>   | 2,810               | ±522    | 92.4%       | ±5.9    |
| Speak only English                          | 230                 | ±188    | 7.6%        | ±5.9    |
| Speak Spanish                               | 135                 | ±118    | 4.4%        | ±3.7    |
| Speak Other Indo-European Language          | 95                  | ±142    | <b>3.1%</b> | ±4.6    |
| Speak Asian and Pacific Island langauges    | 0                   | ±13     | 0%          | ±1.3    |
| Other Langauge                              | 0                   | ±13     | 0%          | ±1.3    |
| Speak English Less than Very Well           | 41                  | ±46     | 1.3%        | ±1.5    |

Source: US Census, 2020 ACS 5-Year Estimates.  
 All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area compared to the County

**Table 39. Limited English Proficiency (cont'd)**

| Language Spoken at Home                     | Census Tract 203 |         |              |         | Census Tract 204.01 |         |              |         |
|---|------------------|---------|--------------|---------|---------------------|---------|--------------|---------|
|   | Number           |         | Percent      |         | Number              |         | Percent      |         |
|   | Estimate         | MOE +/- | Estimate     | MOE +/- | Estimate            | MOE +/- | Estimate     | MOE +/- |
| <b>Total (population 5 years and over):</b> | 2488             | ±351    | (X)          | (X)     | 5536                | ±577    | (X)          | (X)     |
| <b>Speak a language other than English</b>  | 2092             | ±317    | 84.1%        | ±10.3   | 2945                | ±522    | 53.2%        | ±8.6    |
| Speak only English                          | 396              | ±280    | 15.9%        | ±10.3   | 2591                | ±587    | 46.8%        | ±8.6    |
| Speak Spanish                               | 395              | ±280    | <b>15.9%</b> | ±10.3   | 2587                | ±588    | <b>46.7%</b> | ±8.7    |
| Speak Other Indo-European Language          | 0                | ±13     | 0%           | ±1.6    | 0                   | ±19     | 0%           | ±0.7    |
| Speak Asian and Pacific Island languages    | 1                | ±2      | 0%           | ±0.1    | 4                   | ±7      | 0.1%         | ±0.1    |
| Other Language                              | 0                | ±13     | 0%           | ±1.6    | 0                   | ±19     | 0%           | ±0.7    |
| Speak English Less than Very Well           | 178              | ±116    | <b>7.2%</b>  | 4.3     | 1036                | ±351    | <b>18.7%</b> | ±5.7    |

Source: US Census, 2020 ACS 5-Year Estimates.  
 All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area compared to the County

**Table 40. Limited English Proficiency (cont'd)**

| Language Spoken at Home                     | Census Tract 204.02 |         |              |         |
|---|---------------------|---------|--------------|---------|
|   | Number              |         | Percent      |         |
|   | Estimate            | MOE +/- | Estimate     | MOE +/- |
| <b>Total (population 5 years and over):</b> | 5,009               | ±903    | (X)          | (X)     |
| <b>Speak a language other than English</b>  | 3,055               | ±930    | 61%          | ±10.8   |
| Speak only English                          | 1,954               | ±452    | 39%          | ±10.8   |
| Speak Spanish                               | 1,954               | ±452    | <b>39%</b>   | ±10.8   |
| Speak Other Indo-European Language          | 0                   | ±19     | 0%           | ±0.8    |
| Speak Asian and Pacific Island languages    | 0                   | ±19     | 0%           | ±0.8    |
| Other Language                              | 0                   | ±19     | 0%           | ±0.8    |
| Speak English Less than Very Well           | 885                 | ±298    | <b>17.7%</b> | ±6.7    |

Source: US Census, 2020 ACS 5-Year Estimates.  
 All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State  
 All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area when compared to the State and County  
 All **bolded and green** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area compared to the County

**Table 41. Limited English Proficiency (cont'd)**

| Language Spoken at Home                     | Census Tract 310.01 |         |              |         | Census Tract 310.02 |         |             |         |
|---|---------------------|---------|--------------|---------|---------------------|---------|-------------|---------|
|   | Number              |         | Percent      |         | Number              |         | Percent     |         |
|   | Estimate            | MOE +/- | Estimate     | MOE +/- | Estimate            | MOE +/- | Estimate    | MOE +/- |
| <b>Total (population 5 years and over):</b> | 3,198               | 699     | (X)          | (X)     | 3976                | 471     | (X)         | (X)     |
| <b>Speak a language other than English</b>  | 2,601               | 618     | 81.3%        | ±9.8    | 3790                | 455     | 95%         | ±4.1    |
| Speak only English                          | 597                 | 354     | 18.7%        | ±9.8    | 186                 | 167     | 5%          | ±4.1    |
| Speak Spanish                               | 566                 | 355     | <b>17.7%</b> | ±9.8    | 87                  | 82      | 2%          | ±2      |
| Speak Other Indo-European Language          | 20                  | 29      | 0.6%         | ±0.9    | 99                  | 150     | <b>2.5%</b> | ±3.7    |
| Speak Asian and Pacific Island languages    | 11                  | 18      | 0.3%         | ±0.6    | 0                   | 13      | 0%          | ±1      |
| Other Language                              | 0                   | 13      | 0%           | ±1.2    | 0                   | 13      | 0%          | ±1      |
| Speak English Less than Very Well           | 285                 | 246     | <b>8.9%</b>  | ±7.2    | 68                  | 76      | 1.7%        | ±1.9    |

Source: US Census, 2020 ACS 5-Year Estimates.

All **bolded and orange** highlighted cells indicate a percentage increase of 5% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase or decrease of 5% or more in the Census Tract or one-mile radius area compared to the County

## 7 Educational Attainment

### Regional Setting

The following data was obtained through the US Census Bureau Table S1501, American Community Survey 2020 5-Year Estimates. Chatham County had higher percent of the population with a Bachelor's degree or higher compared to the state (Table 42). Randolph County had higher percentages of individuals who had attained a less than 9th grade, 9th to 12th grade, no diploma, and high school graduate (includes equivalency) when compared to the state (Table 43).

**Table 42. Regional Setting- Educational Attainment (above 25 years old)**

| Subject                                     | North Carolina |         |          |         | Chatham County* |         |              |         |
|---|----------------|---------|----------|---------|-----------------|---------|--------------|---------|
|   | Number         |         | Percent  |         | Number          |         | Percent      |         |
|   | Estimate       | MOE +/- | Estimate | MOE +/- | Estimate        | MOE +/- | Estimate     | MOE +/- |
| Total Above 25                              | 7,096,773      | 1,493   | (X)      | (X)     | 53,820          | 172     | (X)          | (X)     |
| Less than 9th Grade                         | 301,823        | 5,184   | 4.5%     | 0.1     | 2,522           | 410     | 4.7%         | 0.8     |
| 9th to 12th grade, no diploma               | 513,393        | 7,840   | 7.7%     | 0.1     | 3,331           | 442     | 6.2%         | 0.8     |
| High school graduate (includes equivalency) | 1,806,403      | 11,352  | 25.7%    | 0.2     | 10,623          | 735     | 19.7%        | 1.4     |
| Bachelor's degree or higher                 | 2,273,890      | 16,159  | 31.3%    | 0.2     | 23,516          | 965     | <b>43.7%</b> | 1.8     |

Source: US Census, 2020 ACS 5-Year Estimates.  
\*Facility located in this County  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

**Table 43. Regional Setting- Educational Attainment (above 25 years old) (cont'd)**

| Subject                                     | Randolph County |         |              |         |
|---|-----------------|---------|--------------|---------|
|   | Number          |         | Percent      |         |
|   | Estimate        | MOE +/- | Estimate     | MOE +/- |
| Total Above 25                              | 99,703          | 79      | (X)          | (X)     |
| Less than 9th Grade                         | 6,045           | 796     | <b>6.1%</b>  | 0.8     |
| 9th to 12th grade, no diploma               | 10,948          | 969     | <b>11%</b>   | 1       |
| High school graduate (includes equivalency) | 34,295          | 1,331   | <b>34.4%</b> | 1.3     |
| Bachelor's degree or higher                 | 16,071          | 961     | 16.1%        | 1       |

Source: US Census, 2020 ACS 5-Year Estimates.  
All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State.

## Local Setting

The following data was obtained through the US Census Bureau Table S1501, American Community Survey 2020 5-year Estimates.

Census Tracts 202.01, 203, 204.01 had a higher percentage of individuals who had less than 9<sup>th</sup> grade, 9<sup>th</sup> to 12<sup>th</sup> grade (no diploma), and high school graduate when compared to the county and state and county. (Table 44, 45).

Census Tract 204.02 had a higher percentage of individuals who had less than 9<sup>th</sup> grade and 9<sup>th</sup> to 12<sup>th</sup> grade (no diploma) compared to the state and county (Table 45).

Census Tracts 310.01 and 310.02 had a higher percentage of individuals who had less than 9<sup>th</sup> grade and 9<sup>th</sup> to 12<sup>th</sup> grade (no diploma) compared to the state and the county. The census tracts also had a higher percentage of individuals who had high school graduate when compared to the state (Table 46).

**Table 44. Local Setting- Educational Attainment (above 25 years old)**

| Subject                                     | Census Tract 202.01 |         |              |         | Census Tract 203* |         |          |             |
|---|---------------------|---------|--------------|---------|-------------------|---------|----------|-------------|
|   | Number              |         | Percent      |         | Number            |         | Percent  |             |
|   | Estimate            | MOE +/- | Estimate     | MOE +/- | Estimate          | MOE +/- | Estimate | MOE +/-     |
| Total Above 25                              | 2306                | 447     | (X)          | (X)     | 1,925             | 239     | (X)      | (X)         |
| Less than 9th Grade                         | 168                 | 137     | <b>7.3%</b>  | 6       | 152               | 107     | 7.9%     | <b>7.9</b>  |
| 9th to 12th grade, no diploma               | 203                 | 118     | <b>8.8%</b>  | 5.2     | 165               | 84      | 8.6%     | <b>8.6</b>  |
| High school graduate (includes equivalency) | 825                 | 257     | <b>35.8%</b> | 7.7     | 548               | 143     | 28.5%    | <b>28.5</b> |
| Bachelor's degree or higher                 | 174                 | 70      | 7.5%         | 3.5     | 454               | 166     | 23.6%    | 23.6        |

Source: US Census, 2020 ACS 5-Year Estimates.

\*Facility located in this Census Tract

All **bolded and orange** highlighted cells indicate a percentage increase of 10% or more in the County compared to the State

All **bolded and blue** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area when compared to the State and County

All **bolded and green** highlighted cells indicate a percentage increase or decrease of 10% or more in the Census Tract or one-mile radius area compared to the County

**Table 45. Local Setting- Educational Attainment (above 25 years old) (cont'd)**

| Subject                                     | Census Tract 204.01 |         |              |         | Census Tract 204.02 |         |              |         |
|---|---------------------|---------|--------------|---------|---------------------|---------|--------------|---------|
|   | Number              |         | Percent      |         | Number              |         | Percent      |         |
|   | Estimate            | MOE +/- | Estimate     | MOE +/- | Estimate            | MOE +/- | Estimate     | MOE +/- |
| Total Above 25                              | 3656                | 409     | (X)          | (X)     | 3,610               | 892     | (X)          | (X)     |
| Less than 9th Grade                         | 601                 | 248     | <b>16.4%</b> | 6.2     | 535                 | 154     | <b>14.8%</b> | 5.9     |
| 9th to 12th grade, no diploma               | 428                 | 202     | <b>11.7%</b> | 5.4     | 698                 | 321     | <b>19.3%</b> | 6.4     |
| High school graduate (includes equivalency) | 1156                | 326     | <b>31.6%</b> | 7.9     | 837                 | 247     | 23.2%        | 8.3     |
| Bachelor's degree or higher                 | 631                 | 179     | 17.3%        | 4.8     | 331                 | 175     | 9.2%         | 4.9     |

Source: US Census, 2020 ACS 5-Year Estimates.  
 All **bolded and orange** highlighted cells indicate a difference that is greater than 10% when compared to the State.  
 All **bolded and blue** highlighted cells indicate a difference that is greater than 10% when compared to the State and the county.  
 All **bolded and green** highlighted cells indicate a difference that is greater than 10% when compared to the county.

**Table 46. Local Setting-Educational Attainment (above 25 years old) (cont'd)**

| Subject                                     | Census Tract 310.01 |         |              |         | Census Tract 310.02 |         |              |         |
|---|---------------------|---------|--------------|---------|---------------------|---------|--------------|---------|
|   | Number              |         | Percent      |         | Number              |         | Percent      |         |
|   | Estimate            | MOE +/- | Estimate     | MOE +/- | Estimate            | MOE +/- | Estimate     | MOE +/- |
| Total Above 25                              | 2,369               | 566     | (X)          | (X)     | 3,011               | 342     | (X)          | (X)     |
| Less than 9th Grade                         | 229                 | 166     | <b>9.7%</b>  | 6.9     | 232                 | 120     | <b>7.7%</b>  | 3.9     |
| 9th to 12th grade, no diploma               | 338                 | 178     | <b>14.3%</b> | 8.3     | 414                 | 138     | <b>13.7%</b> | 4.5     |
| High school graduate (includes equivalency) | 873                 | 377     | <b>36.9%</b> | 9.4     | 944                 | 273     | <b>31.4%</b> | 7.9     |
| Bachelor's degree or higher                 | 185                 | 82      | 7.8%         | 3.3     | 485                 | 175     | 16.1%        | 5.5     |

Source: US Census, 2020 ACS 5-Year Estimates.  
 All **bolded and orange** highlighted cells indicate a difference that is greater than 10% when compared to the State.  
 All **bolded and blue** highlighted cells indicate a difference that is greater than 10% when compared to the State and the county.  
 All **bolded and green** highlighted cells indicate a difference that is greater than 10% when compared to the county.

**Table 47. Local Setting-Educational Attainment (above 25 years old)(cont'd)**

| Subject                                      | Census Tract 204.02 |         |              |         | 1-Mile Radius |         |         |
|--|---------------------|---------|--------------|---------|---------------|---------|---------|
|  | Number              |         | Percent      |         | Estimate      | Percent | MOE +/- |
|  | Estimate            | MOE +/- | Estimate     | MOE +/- |               |         |         |
| Total Above 25                               | 3,610               | 892     | (X)          | (X)     | 1,347         | 100%    | 698     |
| Less than 9th Grade                          | 535                 | 154     | <b>14.8%</b> | 5.9     | 162           | 12%     | 160     |
| 9th to 12th grade, no diploma                | 698                 | 321     | <b>19.3%</b> | 6.4     | 167           | 12%     | 242     |
| High school graduate (includes equivalency)  | 837                 | 247     | 23.2%        | 8.3     | 341           | 25%     | 220     |
| Some College (no degree) or Associate Degree | NA                  | NA      | NA           | NA      | 469           | 35%     | NA      |
| Bachelor's degree or higher                  | 331                 | 175     | 9.2%         | 4.9     | 208           | 15%     | 118     |

Source: US Census, 2020 ACS 5-Year Estimates.

All **bolded and orange** highlighted cells indicate a difference that is greater than 10% when compared to the State.

All **bolded and blue** highlighted cells indicate a difference that is greater than 10% when compared to the State and the county.

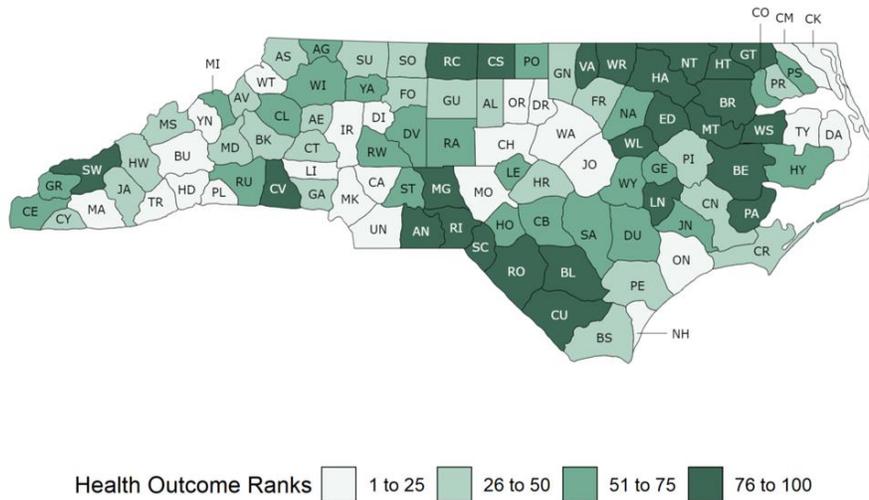
All **bolded and green** highlighted cells indicate a difference that is greater than 10% when compared to the county.

## 8 County Health

The University of Wisconsin Population Health Institute, in collaboration with the Robert Wood Johnson Foundation, calculated County Health Rankings for all the States in the United States ([www.countyhealthrankings.org](http://www.countyhealthrankings.org)). This ranking is based on health outcomes (such as lifespan and self-reported health status) and health factors (such as environmental, social, and economic conditions).

According to this 2022 report, out of all 100 counties in North Carolina (with 1 indicating the healthiest), **Chatham County ranks 11<sup>th</sup> in health outcomes and 3<sup>rd</sup> in health factors. Randolph County ranks 65<sup>th</sup> in both health outcomes and health factors.**

2022 Health Outcomes – North Carolina



### 2022 Health Factors – North Carolina

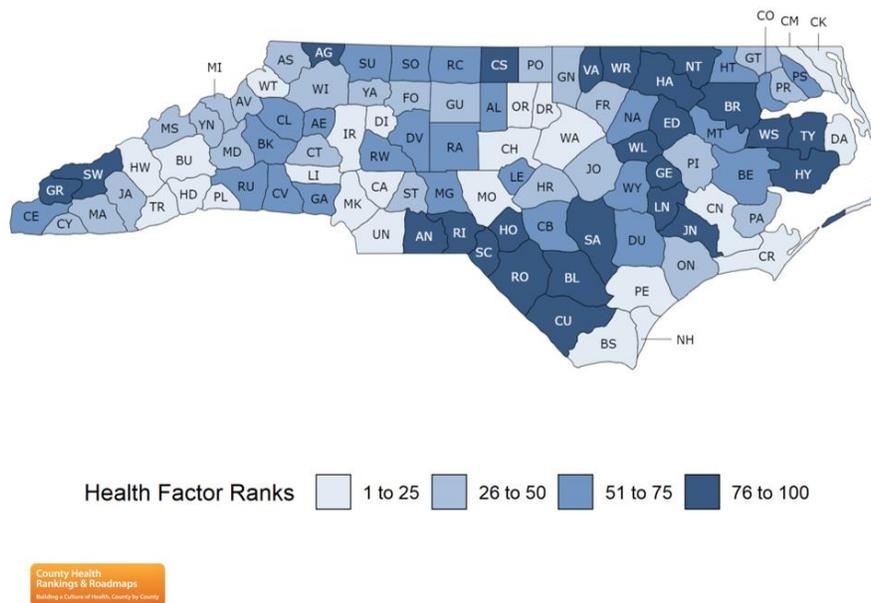


Figure 2. County Health Rankings for Health Factors in North Carolina provided by University of Wisconsin Public Health Institute.

According to the NC Department of Health and Human Services (DHHS) NC Health Trends map,<sup>7</sup> the health outcomes for causes of death were lower in Chatham County and higher in Randolph County compared to the state (Table 48).

**Table 48. Health Outcomes**

| <i>Cause of Death</i>  | <b>Randolph County</b><br>Age-Adjusted Death<br>Rate/100,000 People 2011-<br>2015 | <b>Chatham County</b><br>Age-Adjusted Death<br>Rate/100,000 People<br>2011-2015 | <b>North Carolina</b><br>Age-Adjusted Death<br>Rate/100,000 People<br>2011-2015 |
|------------------------|---|---|---|
| Lung Cancer            | 56.9  | 36.1  | 48.9  |
| Heart Disease          | 184.4   | 112.4   | 163.7   |
| Stroke Death Rate      | 45.7  | 35.3  | 43.1  |
| Cardiovascular Disease | 244.0   | 155.1   | 221.9   |
| Diabetes               | 22.9  | 19.2  | 22.8  |

Source: NC Statewide and County Trends in Key Health Indicators, NC DHHS

<sup>7</sup> NC DHHS NC Health Trends map:  
<https://nc.maps.arcgis.com/apps/MapSeries/index.html?appid=7234a5a1778248688d0c666fa2ba27d0>  
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## 9 Local Sensitive Receptors

The U.S. Environmental Protection Agency suggests that sensitive receptors include, but are not limited to, hospitals, schools, daycare facilities, elderly housing, and convalescent facilities. These are areas where the occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, and other pollutants. Extra care must be taken when dealing with contaminants and pollutants in close proximity to areas recognized as sensitive receptors. For instance, children and the elderly may have a higher risk of developing asthma from elevated levels of certain air pollutants than healthy individuals aged between 18 and 64.

Within and near the one-mile radius surrounding the facility location, the following sensitive receptors were identified (Figure 3):

- Moons Chapel Baptist Cemetery
- Jordan Grove AME Zion Cemetery
- Unity Powerhouse Cemetery
- Zion Methodist Cemetery
- Siler City Elementary School
- Siler City Pentecostal Holiness Church
- Pentecostal Victory Temple
- Watson's Day care Home
- West Siler Solar Farm
- Iglesia De Dios
- Mona's Kiddie Care
- Community Baptist Church
- Community Baptist Cemetery
- Chatham Charter School
- Mount Calvary Holiness Church
- Loves Creek Hispanic Baptist Church

Additional sensitive receptors may be identified during the remainder of the permit application process.

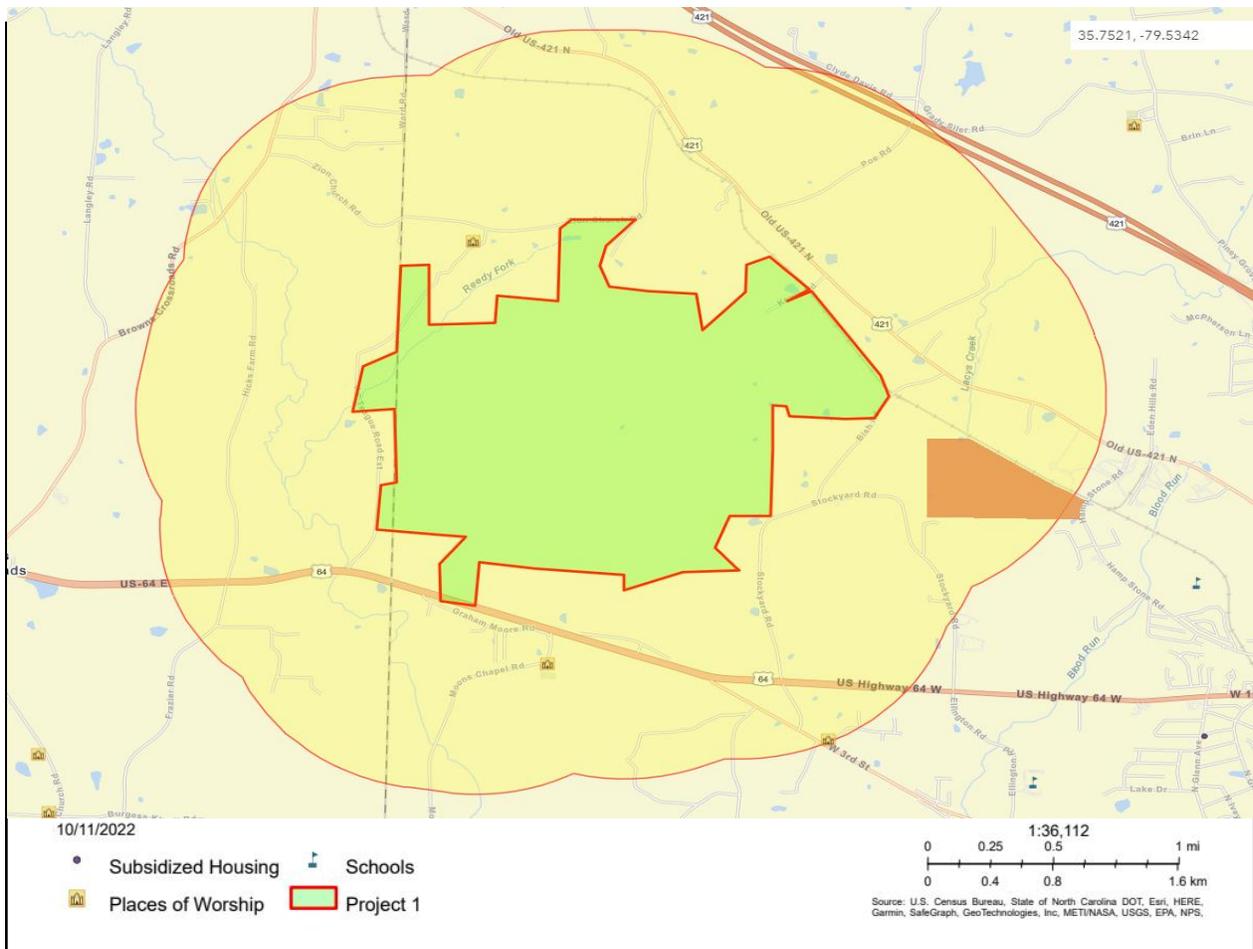


Figure 3. Sensitive receptors surrounding the proposed facility.

## 10 Local Industrial Sites

According to the NC CMS/EJ Tool, within the one-mile radius of the facility, there are 11 permits and 10 incidents (Figure 4). The DEQ Community Mapping System was accessed April 4, 2023.

- 1 Air Quality Permit Site
- 1 NPDES Wastewater Treatment Facility
- 1 Animal Feed Operation Facility (6 Animal Feed Operation Permits)
- 5 Underground Storage Tank Incidents
- 5 Above Ground Storage Tank Incidents
- 2 Underground Storage Tank Active Facilities
- 1 NPDES Stormwater Permit

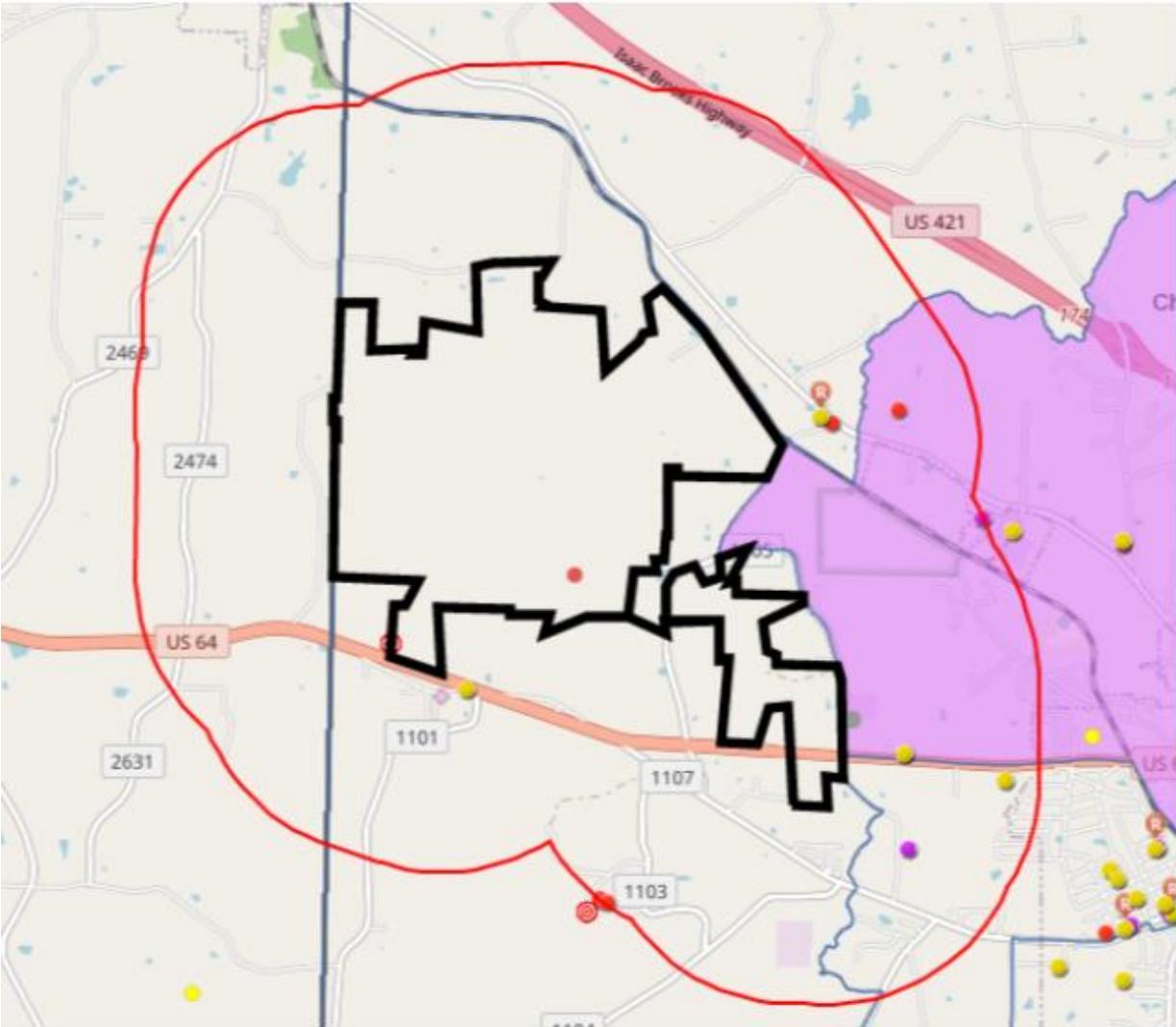


Figure 4. Permitted facilities and incidents within the one-mile radius surrounding the facility (see DEQ Community Mapping System).

## 11 Conclusion

Environmental justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies (US EPA).

**Limitations:** It is important to keep in mind that based on the available data, the following limitations of this report: census data is from 2020 (except for 2010 for age & sex) —and may be outdated; the American Community Survey data through 2020 are estimates; EJSCREEN does not provide all of the data categories that were used in this analysis so the census tract and county data cannot be compared to the radius used surrounding the facility boundary for all criteria; census tracts can still be large areas and do not allow for exact locations of each population; and the smaller the population the larger the margin of error such that it is not clear whether there are or are not significant differences at the census tract compared to county and state geographic scales. As such, the Department uses best estimates and cannot determine exact demographic or socioeconomic information within a one-mile radius around the facility.

**Summary:** The Department assessed the available demographic and socioeconomic data of the community surrounding the Wolfspeed facility regarding its permit application.

- **Potentially Underserved Community:** The site is located within one mile of a block group identified as potentially underserved based on NC DEQ's definition<sup>8</sup> (see Figure 4). DEQ recommends consulting the Enhanced Engagement Methods to Reach Underserved Communities section of DEQ's Public Participation Plan.<sup>9</sup>
- **Poverty:** Two of the six census tracts which the facility's area (one-mile radius) intersects include a population experiencing poverty (>20% poverty).
- **Race/Ethnicity:** All six census tracts which the facility's area (one-mile radius) intersects has a minority population for which there is a percentage increase of 10% or more compared to the county and/or state. Additionally, Hispanic or Latino (of any race) population is greater than 50% in two of the census tracts.
- **Tribe:** A recognized Tribe of North Carolina does not reside in Chatham or Randolph County.
- **Limited English Proficiency:** The site is in an area with limited English proficiency (Spanish) because four of six census tracts have a population (> 1000 people and > 5%) which speaks English less than very well. DEQ recommends any company and any state or local government consult DEQ's

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<sup>8</sup> <sup>1</sup> *Racial composition:* Share of nonwhites is over fifty percent OR Share of nonwhites is at least ten percent higher than county or state share. AND *Poverty rate:* Share of population experiencing poverty is over twenty percent AND Share of households in poverty is at least five percent higher than the county or state share.

<sup>9</sup> DEQ 2022 Public Participation Plan: <https://deq.nc.gov/ej/deq-public-participation-plan-2022-update/download?attachment>

Limited English Proficiency Language Access Plan<sup>10</sup> and conduct outreach in both English and Spanish.

- **Cumulative Impact Potential:** There are 11 existing permits and 10 incidents within one mile of the site that could contribute to cumulative impacts to sensitive receptors within and outside the one-mile buffer.

#### **Outreach Recommendations:**

- Translation services for Spanish will be considered in accordance with the Department LEP-Language Access Plan.
- Generate a one-page flyer in both English and Spanish
- Consult the list of sensitive receptors while considering additional outreach options that may best fit this community's needs.
- Provide a call-in option for people to leave comments on a voicemail line in case of lack of internet.
- Consult known community leaders for additional outreach options and recommendations.

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<sup>10</sup> DEQ 2022 Language Access Plan: <https://deq.nc.gov/ej/limited-english-proficiency-plan/download>  
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