NCDENR
North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

December 13, 2013

A. Stanley Meiburg
Acting Regional Administrator
USEPA Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Re: North Carolina's Recommendations for Air Quality Designations for the 2012 Revised Annual Fine Particle Standard

Dear Mr. Meiburg:

I am writing on behalf of Governor Pat McCrory to recommend air quality designation status and related boundaries of areas in North Carolina for the annual fine particulate matter ($PM_{2.5}$) national ambient air quality standard (NAAQS), pursuant to Section 107(d)(1)(A) of the Clean Air Act (CAA) as amended.

On December 14, 2012, the United States Environmental Protection Agency (EPA) promulgated a revised annual $PM_{2.5}$ NAAQS (78 FR 3086). The EPA strengthened the primary annual $PM_{2.5}$ standard from 15.0 micrograms per cubic meter (µg/m3) to 12.0 µg/m3; retained the existing 24-hour coarse particle ($PM_{10}$) standard at 150 µg/m3; retained the existing 24-hour $PM_{2.5}$ standard at 35 µg/m3; and retained the current suite of secondary PM standards. The CAA Section 107(d)(1)(A) requires states to submit area designation recommendations to the EPA no later than 1 year after the promulgation of a new or revised NAAQS. The EPA has recommended that states base its boundary recommendations for the revised annual $PM_{2.5}$ standard using air quality data from the three most recent years of monitoring data (2010 - 2012).

North Carolina has operated a robust PM monitoring network with years of measurement, quality-assurance, and data analysis experience. Based on the 2010 – 2012 ambient monitoring data, all counties in North Carolina are below the annual $PM_{2.5}$ NAAQS. Figure 1 illustrates the three year average design values. It is North Carolina's recommendation that, since there is no evidence of violations, all townships in all counties in North Carolina be designated as "attainment" for the revised annual $PM_{2.5}$ standard, as listed in Table 1. We are requesting township level designation due to potential implications for the Prevention of Significant Deterioration permitting program of having an entire county designated as a single area rather than smaller areas (e.g., partial counties).

In the final rule for the revised annual $PM_{2.5}$ standard, the EPA also finalized changes to the ambient air monitoring, reporting, and network design requirements, including the addition of a near-road component to the $PM_{2.5}$ monitoring network. North Carolina is on track to meet the requirements of near-road monitors by January 1, 2017 in urban areas with population greater than or equal to 1.0 million but less than 2.5 million. The EPA has stated that it does not plan to designate near-road environments in this initial designation since three years of quality-assured and certified air quality data are required for designation purposes. We understand there is significant uncertainty in applying the near-road monitoring methodology to area designations. We request the opportunity to review and comment on EPA's approach.

North Carolina requests that EPA also revise the current designations for the 24-hour $PM_{2.5}$ standard so that the annual $PM_{2.5}$ and the 24-hour $PM_{2.5}$ designations are on the township basis.

North Carolina is committed to protecting the health of our citizens and solving our air quality problems. We believe that improving our air quality is critical to the health of our citizens and to our future growth, prosperity and quality of life. We look forward to a continued dialogue with you and your staff as we work together to implement the 2012 $PM_{2.5}$ NAAQS.

Sincerely,

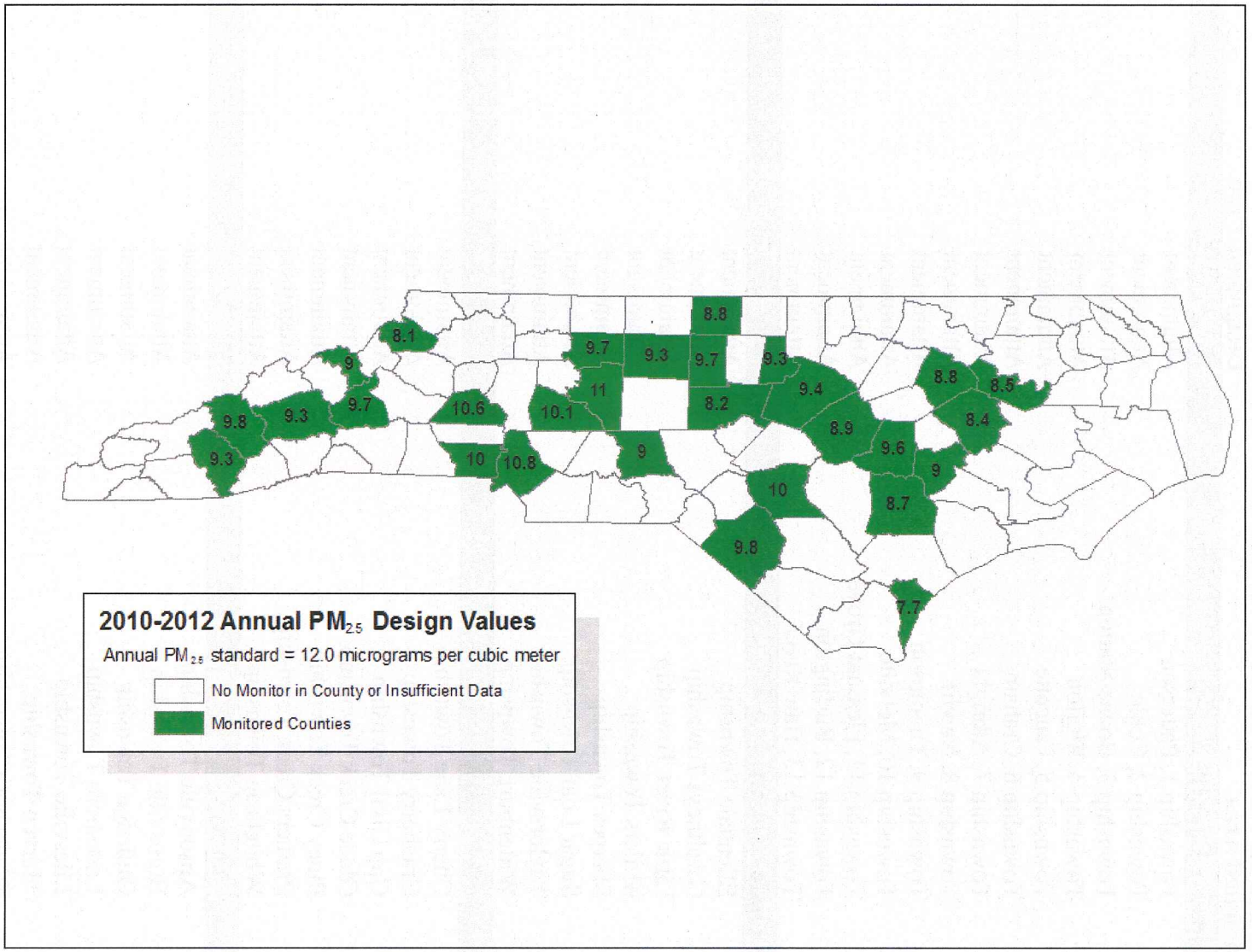
John Skvarla

JS/sch

Attachment

cc: The Honorable Pat McCrory
Ms. Sheila C. Holman
Mr. Drew Elliott
Mr. Scott Davis
Ms. Leslie Rhodes
Mr. David Brigman
Mr. Minor Barnette

A. Stanley Meiburg
December 13, 2013
Figure 1 – Annual $PM_{2.5}$ Design Values
Page 1




Design values represent annual mean measurement, averaged over three years.

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Alamance County** | |
| Township 1, Patterson | Attainment |
| Township 2, Coble | Attainment |
| Township 3, Boone Station | Attainment |
| Township 4, Morton | Attainment |
| Township 5, Faucette | Attainment |
| Township 6, Graham | Attainment |
| Township 7, Albright | Attainment |
| Township 8, Newlin | Attainment |
| Township 9, Thompson | Attainment |
| Township 10, Melville | Attainment |
| Township 11, Pleasant Grove | Attainment |
| Township 12, Burlington | Attainment |
| Township 13, Haw River | Attainment |
| **Alexander County** | |
| Ellendale Township | Attainment |
| Gwaltneys Township | Attainment |
| Little River Township | Attainment |
| Millers Township | Attainment |
| Sharpes Township | Attainment |
| Sugar Loaf Township | Attainment |
| Taylorsville Township | Attainment |
| Wittenburg Township | Attainment |
| **Alleghany County** | |
| Cherry Lane Township | Attainment |
| Cranberry Township | Attainment |
| Gap Civil Township | Attainment |
| Glade Creek Township | Attainment |
| Piney Creek Township | Attainment |
| Prathers Creek Township | Attainment |
| Whitehead Township | Attainment |
| **Anson County** | |
| Ansonville Township | Attainment |
| Burnsville Township | Attainment |
| Gulledge Township | Attainment |
| Lanesboro Township | Attainment |
| Lilesville Township | Attainment |
| Morven Township | Attainment |
| Wadesboro Township | Attainment |
| White Store Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Ashe County** | |
| Chestnut Hill Township | Attainment |
| Clifton Township | Attainment |
| Creston Township | Attainment |
| Elk Township | Attainment |
| Grassy Creek Township | Attainment |
| Helton Township | Attainment |
| Horse Creek Township | Attainment |
| Hurricane Township | Attainment |
| Jefferson Township | Attainment |
| Laurel Township | Attainment |
| North Fork Township | Attainment |
| Obids Township | Attainment |
| Old Fields Township | Attainment |
| Peak Creek Township | Attainment |
| Pine Swamp Township | Attainment |
| Piney Creek Township | Attainment |
| Pond Mountain Township | Attainment |
| Walnut Hill Township | Attainment |
| West Jefferson Township | Attainment |
| **Avery County** | |
| Altamont Township | Attainment |
| Banner Elk Township | Attainment |
| Beech Mountain Township | Attainment |
| Carey's Flat Township | Attainment |
| Cranberry Township | Attainment |
| Elk Park Township | Attainment |
| Frank Township | Attainment |
| Heaton Township | Attainment |
| Hughes Township | Attainment |
| Ingalls Township | Attainment |
| Linville Township | Attainment |
| Minneapolis Township | Attainment |
| Montezuma Township | Attainment |
| Newland No. 1 Township | Attainment |
| Newland No. 2 Township | Attainment |
| Pineola Township | Attainment |
| Plumtree Township | Attainment |
| Pyatte Township | Attainment |
| Roaring Creek Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Beaufort County** | |
| Bath Township | Attainment |
| Chocowinity Township | Attainment |
| Long Acre Township | Attainment |
| Pantego Township | Attainment |
| Richland Township | Attainment |
| Washington Township | Attainment |
| **Bertie County** | |
| Colerain Township | Attainment |
| Indian Woods Township | Attainment |
| Merry Hill Township | Attainment |
| Mitchell Township | Attainment |
| Roxobel Township | Attainment |
| Snakebite Township | Attainment |
| Whites Township | Attainment |
| Windsor Township | Attainment |
| Woodville Township | Attainment |
| **Bladen County** | |
| Abbotts Township | Attainment |
| Bethel Township | Attainment |
| Bladenboro Township | Attainment |
| Brown Marsh Township | Attainment |
| Carvers Creek Township | Attainment |
| Central Township | Attainment |
| Colly Township | Attainment |
| Cypress Creek Township | Attainment |
| Elizabethtown Township | Attainment |
| Frenches Creek Township | Attainment |
| Hollow Township | Attainment |
| Lake Creek Township | Attainment |
| Turnbull Township | Attainment |
| White Oak Township | Attainment |
| Whites Creek Township | Attainment |
| **Brunswick County** | |
| Lockwoods Folly Township | Attainment |
| Northwest Township | Attainment |
| Shallotte Township | Attainment |
| Smithville Township | Attainment |
| Town Creek Township | Attainment |
| Waccamaw Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Buncombe County** | |
| Grouped Townships | |
| Asheville Township | |
| Avery Creek Township | |
| Limestone Township | Attainment |
| Lower Hominy Township | |
| Reems Creek Township | |
| Swannanoa Township | |
| Individual Townships | |
| Black Mountain Township | Attainment |
| Broad River Township | Attainment |
| Fairview Township | Attainment |
| Flat Creek Township | Attainment |
| French Broad Township | Attainment |
| Ivy Township | Attainment |
| Leicester Township | Attainment |
| Sandy Mush Township | Attainment |
| Upper Hominy Township | Attainment |
| **Burke County** | |
| Drexel Township | Attainment |
| Icard Township | Attainment |
| Jonas Ridge Township | Attainment |
| Linville Township | Attainment |
| Lovelady Township | Attainment |
| Lower Creek Township | Attainment |
| Lower Fork Township | Attainment |
| Morganton Township | Attainment |
| Quaker Meadows Township | Attainment |
| Silver Creek Township | Attainment |
| Smoky Creek Township | Attainment |
| Upper Creek Township | Attainment |
| Upper Fork Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Cabarrus County** | |
| Township 1, Harrisburg | Attainment |
| Township 2, Poplar Tent | Attainment |
| Township 3, Odell | Attainment |
| Township 4, Kannapolis | Attainment |
| Township 5, New Gilead | Attainment |
| Township 6, Rimertown | Attainment |
| Township 7, Gold Hill | Attainment |
| Township 8, Mount Pleasant | Attainment |
| Township 9, Georgeville | Attainment |
| Township 10, Midland | Attainment |
| Township 11, Central Cabarrus | Attainment |
| Township 12, Concord | Attainment |
| **Caldwell County** | |
| Globe Township | Attainment |
| Hudson Township | Attainment |
| Johns River Township | Attainment |
| Kings Creek Township | Attainment |
| Lenoir Township | Attainment |
| Little River Township | Attainment |
| Lovelady Township | Attainment |
| Lower Creek Township | Attainment |
| Mulberry Township | Attainment |
| North Catawba Township | Attainment |
| Patterson Township | Attainment |
| Wilson Creek Township | Attainment |
| Yadkin Valley Township | Attainment |
| **Camden County** | |
| Courthouse Township | Attainment |
| Shiloh Township | Attainment |
| South Mills Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Carteret County** | |
| Atlantic Township | Attainment |
| Beaufort Township | Attainment |
| Cedar Island Township | Attainment |
| Davis Township | Attainment |
| Harkers Island Township | Attainment |
| Harlowe Township | Attainment |
| Marshallberg Township | Attainment |
| Merrimon Township | Attainment |
| Morehead Township | Attainment |
| Newport Township | Attainment |
| Portsmouth Township | Attainment |
| Sea Level Township | Attainment |
| Smyrna Township | Attainment |
| Stacy Township | Attainment |
| Straits Township | Attainment |
| White Oak Township | Attainment |
| **Caswell County** | |
| Grouped Townships | |
| Dan River Township | Attainment |
| Yanceyville Township | |
| Individual Townships | |
| Anderson Township | Attainment |
| Hightowers Township | Attainment |
| Leasburg Township | Attainment |
| Locust Hill Township | Attainment |
| Milton Township | Attainment |
| Pelham Township | Attainment |
| Stoney Creek Township | Attainment |
| **Catawba County** | |
| Bandy's Township | Attainment |
| Caldwell Township | Attainment |
| Catawba Township | Attainment |
| Clines Township | Attainment |
| Hickory Township | Attainment |
| Jacobs Fork Township | Attainment |
| Mountain Creek Township | Attainment |
| Newton Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Chatham County** | |
| Albright Township | Attainment |
| Baldwin Township | Attainment |
| Bear Creek Township | Attainment |
| Cape Fear Township | Attainment |
| Center Township | Attainment |
| Gulf Township | Attainment |
| Hadley Township | Attainment |
| Haw River Township | Attainment |
| Hickory Mountain Township | Attainment |
| Matthews Township | Attainment |
| New Hope Township | Attainment |
| Oakland Township | Attainment |
| Williams Township | Attainment |
| **Cherokee County** | |
| Beaverdam Township | Attainment |
| Hothouse Township | Attainment |
| Murphy Township | Attainment |
| Notla Township | Attainment |
| Shoal Creek Township | Attainment |
| Valleytown Township | Attainment |
| **Chowan County** | |
| Township 1, Edenton | Attainment |
| Township 2, Middle | Attainment |
| Township 3, Upper | Attainment |
| Township 4, Yeopim | Attainment |
| **Clay County** | |
| Brasstown Township | Attainment |
| Hayesville Township | Attainment |
| Hiawassee Township | Attainment |
| Shooting Creek Township | Attainment |
| Sweetwater Township | Attainment |
| Tusquittee Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Cleveland County** | |
| River Township | Attainment |
| Boiling Springs Township | Attainment |
| Rippy Township | Attainment |
| Kings Mountain Township | Attainment |
| Warlick Township | Attainment |
| Shelby Township | Attainment |
| Sandy Run Township | Attainment |
| Polkville Township | Attainment |
| Double Shoals Township | Attainment |
| Knob Creek Township | Attainment |
| Casar Township | Attainment |
| **Columbus County** | |
| Bogue Township | Attainment |
| Bolton Township | Attainment |
| Bug Hill Township | Attainment |
| Cerro Gordo Township | Attainment |
| Chadbourn Township | Attainment |
| Fair Bluff Township | Attainment |
| Lees Township | Attainment |
| Ransom Township | Attainment |
| South Williams Township | Attainment |
| Tatums Township | Attainment |
| Waccamaw Township | Attainment |
| Welches Creek Township | Attainment |
| Western Prong Township | Attainment |
| Whiteville Township | Attainment |
| Williams Township | Attainment |
| **Craven County** | |
| Township 1 | Attainment |
| Township 2 | Attainment |
| Township 3 | Attainment |
| Township 5 | Attainment |
| Township 6 | Attainment |
| Township 7 | Attainment |
| Township 8 | Attainment |
| Township 9 | Attainment |
| **Cumberland County** | |
| Beaver Dam Township | Attainment |
| Black River Township | Attainment |
| Carvers Creek Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| Cedar Creek Township | Attainment |
| Cross Creek Township | Attainment |
| Eastover Township | Attainment |
| Grays Creek Township | Attainment |
| Manchester Township | Attainment |
| Pearces Mill Township | Attainment |
| Rockfish Township | Attainment |
| Seventy-First Township | Attainment |
| **Currituck County** | |
| Crawford Township | Attainment |
| Fruitville Township | Attainment |
| Moyock Township | Attainment |
| Poplar Branch Township | Attainment |
| **Dare County** | |
| Atlantic Township | Attainment |
| Croatan Township | Attainment |
| East Lake Township | Attainment |
| Hatteras Township | Attainment |
| Kinnakeet Township | Attainment |
| Nags Head Township | Attainment |
| **Davidson County** | |
| Abbotts Creek Township | Attainment |
| Alleghany Township | Attainment |
| Arcadia Township | Attainment |
| Boone Township | Attainment |
| Conrad Hill Township | Attainment |
| Cotton Grove Township | Attainment |
| Emmons Township | Attainment |
| Hampton Township | Attainment |
| Healing Spring Township | Attainment |
| Jackson Hill Township | Attainment |
| Lexington Township | Attainment |
| Midway Township | Attainment |
| Reedy Creek Township | Attainment |
| Silver Hill Township | Attainment |
| Thomasville Township | Attainment |
| Tyro Township | Attainment |
| Yadkin College Township | Attainment |
| **Davie County** | |
| Calahaln Township | Attainment |
| Clarksville Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| Farmington Township | Attainment |
| Fulton Township | Attainment |
| Jerusalem Township | Attainment |
| Mocksville Township | Attainment |
| Shady Grove Township | Attainment |
| **Duplin County** | |
| Albertson Township | Attainment |
| Cypress Creek Township | Attainment |
| Faison Township | Attainment |
| Glisson Township | Attainment |
| Island Creek Township | Attainment |
| Kenansville Township | Attainment |
| Limestone Township | Attainment |
| Magnolia Township | Attainment |
| Rockfish Township | Attainment |
| Rose Hill Township | Attainment |
| Smith Township | Attainment |
| Warsaw Township | Attainment |
| Wolfscrape Township | Attainment |
| **Durham County** | |
| Carr Township | Attainment |
| Durham Township | Attainment |
| Lebanon Township | Attainment |
| Mangum Township | Attainment |
| Oak Grove Township | Attainment |
| Triangle Township | Attainment |
| **Edgecombe County** | |
| Township 1, Tarboro | Attainment |
| Township 2, Lower Conetoe | Attainment |
| Township 3, Upper Conetoe | Attainment |
| Township 4, Deep Creek | Attainment |
| Township 5, Lower Fishing Creek | Attainment |
| Township 6, Upper Fishing Creek | Attainment |
| Township 7, Swift Creek | Attainment |
| Township 8, Sparta | Attainment |
| Township 9, Otter Creek | Attainment |
| Township 10, Lower Town Creek | Attainment |
| Township 11, Walnut Creek | Attainment |
| Township 12, Rocky Mount | Attainment |
| Township 13, Cokey | Attainment |
| Township 14, Upper Town Creek | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Forsyth County** | |
| Grouped Townships | |
| Abbotts Creek Township | |
| Broadbay Township | |
| Kernersville Township | |
| Middle Fork 1 Township | Attainment |
| Middle Fork 2 Township | |
| Old Town Township | |
| South Fork Township | |
| Winston Township | |
| Individual Townships | |
| Belews Creek Township | Attainment |
| Bethania Township | Attainment |
| Clemmonsville Township | Attainment |
| Lewisville Township | Attainment |
| Old Richmond Township | Attainment |
| Salem Chapel Township | Attainment |
| Vienna Township | Attainment |
| **Franklin County** | |
| Cedar Rock Township | Attainment |
| Cypress Creek Township | Attainment |
| Dunn Township | Attainment |
| Franklinton Township | Attainment |
| Gold Mine Township | Attainment |
| Harris Township | Attainment |
| Hayesville Township | Attainment |
| Louisburg Township | Attainment |
| Sandy Creek Township | Attainment |
| Youngsville Township | Attainment |
| **Gaston County** | |
| Cherryville Township | Attainment |
| Crowders Mountain Township | Attainment |
| Dallas Township | Attainment |
| Gastonia Township | Attainment |
| Riverbend Township | Attainment |
| South Point Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Gates County** | |
| Gatesville Township | Attainment |
| Hall Township | Attainment |
| Haslett Township | Attainment |
| Holly Grove Township | Attainment |
| Hunters Mill Township | Attainment |
| Mintonsville Township | Attainment |
| Reynoldson Township | Attainment |
| **Graham County** | |
| Cheoah Township | Attainment |
| Stecoah Township | Attainment |
| Yellow Creek Township | Attainment |
| **Granville County** | |
| Brassfield Township | Attainment |
| Dutchville Township | Attainment |
| Fishing Creek Township | Attainment |
| Oak Hill Township | Attainment |
| Oxford Township | Attainment |
| Salem Township | Attainment |
| Sassafras Fork Township | Attainment |
| Tally Ho Township | Attainment |
| Walnut Grove Township | Attainment |
| **Greene County** | |
| Bull Head Township | Attainment |
| Carrs Township | Attainment |
| Hookerton Township | Attainment |
| Jason Township | Attainment |
| Olds Township | Attainment |
| Ormonds Township | Attainment |
| Shine Township | Attainment |
| Snow Hill Township | Attainment |
| Speights Bridge Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Guilford County** | |
| Grouped Townships | |
| Bruce Township | |
| Center Grove Township | |
| Deep River Township | |
| Fentress Township | |
| Friendship Township | |
| Gilmer Township | Attainment |
| High Point Township | |
| Jamestown Township | |
| Jefferson Township | |
| Monroe Township | |
| Morehead Township | |
| Sumner Township | |
| Individual Townships | |
| Clay Township | Attainment |
| Greene Township | Attainment |
| Madison Township | Attainment |
| Oak Ridge Township | Attainment |
| Rock Creek Township | Attainment |
| Washington Township | Attainment |
| **Halifax County** | |
| Brinkleyville Township | Attainment |
| Butterwood Township | Attainment |
| Conoconnara Township | Attainment |
| Enfield Township | Attainment |
| Faucett Township | Attainment |
| Halifax Township | Attainment |
| Littleton Township | Attainment |
| Palmyra Township | Attainment |
| Roanoke Rapids Township | Attainment |
| Roseneath Township | Attainment |
| Scotland Neck Township | Attainment |
| Weldon Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Harnett County** | |
| Anderson Creek Township | Attainment |
| Averasboro Township | Attainment |
| Barbecue Township | Attainment |
| Black River Township | Attainment |
| Buckhorn Township | Attainment |
| Duke Township | Attainment |
| Grove Township | Attainment |
| Hectors Creek Township | Attainment |
| Johnsonville Township | Attainment |
| Lillington Township | Attainment |
| Neills Creek Township | Attainment |
| Stewarts Creek Township | Attainment |
| Upper Little River Township | Attainment |
| **Haywood County** | |
| Beaverdam Township | Attainment |
| Cataloochee Township | Attainment |
| Cecil Township | Attainment |
| Clyde Township | Attainment |
| Crabtree Township | Attainment |
| East Fork Township | Attainment |
| Fines Creek Township | Attainment |
| Iron Duff Township | Attainment |
| Ivy Hill Township | Attainment |
| Jonathan Creek Township | Attainment |
| Pigeon Township | Attainment |
| Waynesville Township | Attainment |
| White Oak Township | Attainment |
| **Henderson County** | |
| Blue Ridge Township | Attainment |
| Clear Creek Township | Attainment |
| Crab Creek Township | Attainment |
| Edneyville Township | Attainment |
| Green River Township | Attainment |
| Hendersonville Township | Attainment |
| Hoopers Creek Township | Attainment |
| Mills River Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Hertford County** | |
| Ahoskie Township | Attainment |
| Harrellsville Township | Attainment |
| Maneys Neck Township | Attainment |
| Murfreesboro Township | Attainment |
| St. Johns Township | Attainment |
| Winton Township | Attainment |
| **Hoke County** | |
| Allendale Township | Attainment |
| Antioch Township | Attainment |
| Blue Springs Township | Attainment |
| Fort Bragg Military Reservation Township | Attainment |
| McLauchlin Township | Attainment |
| Quewhiffle Township | Attainment |
| Raeford Township | Attainment |
| Stonewall Township | Attainment |
| **Hyde County** | |
| Currituck Township | Attainment |
| Fairfield Township | Attainment |
| Lake Landing Township | Attainment |
| Lake Mattamuskeet UT | Attainment |
| Ocracoke Township | Attainment |
| Swan Quarter Township | Attainment |
| **Iredell County** | |
| Barringer Township | Attainment |
| Bethany Township | Attainment |
| Chambersburg Township | Attainment |
| Coddle Creek Township | Attainment |
| Concord Township | Attainment |
| Cool Springs Township | Attainment |
| Davidson Township | Attainment |
| Eagle Mills Township | Attainment |
| Fallstown Township | Attainment |
| New Hope Township | Attainment |
| Olin Township | Attainment |
| Sharpesburg Township | Attainment |
| Shiloh Township | Attainment |
| Statesville Township | Attainment |
| Turnersburg Township | Attainment |
| Union Grove Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Jackson County** | |
| Barkers Creek Township | Attainment |
| Canada Township | Attainment |
| Caney Fork Township | Attainment |
| Cashiers Township | Attainment |
| Cullowhee Township | Attainment |
| Dillsboro Township | Attainment |
| Greens Creek Township | Attainment |
| Hamburg Township | Attainment |
| Mountain Township | Attainment |
| Qualla Township | Attainment |
| River Township | Attainment |
| Savannah Township | Attainment |
| Scott Creek Township | Attainment |
| Sylva Township | Attainment |
| Webster Township | Attainment |
| **Johnston County** | |
| Banner Township | Attainment |
| Bentonville Township | Attainment |
| Beulah Township | Attainment |
| Boon Hill Township | Attainment |
| Clayton Township | Attainment |
| Cleveland Township | Attainment |
| Elevation Township | Attainment |
| Ingrams Township | Attainment |
| Meadow Township | Attainment |
| Micro Township | Attainment |
| O'Neals Township | Attainment |
| Pine Level Township | Attainment |
| Pleasant Grove Township | Attainment |
| Selma Township | Attainment |
| Smithfield Township | Attainment |
| Wilders Township | Attainment |
| Wilson Mills Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Jones County** | |
| Township 1, White Oak | Attainment |
| Township 2, Pollocksville | Attainment |
| Township 3, Trenton | Attainment |
| Township 4, Cypress Creek | Attainment |
| Township 5, Tuckahoe | Attainment |
| Township 6, Chinquapin | Attainment |
| Township 7, Beaver Creek | Attainment |
| **Lee County** | |
| Township 1, Greenwood | Attainment |
| Township 2, Jonesboro | Attainment |
| Township 3, Cape Fear | Attainment |
| Township 4, Deep River | Attainment |
| Township 5, East Sanford | Attainment |
| Township 6, West Sanford | Attainment |
| Township 7, Pocket | Attainment |
| **Lenoir County** | |
| Contentnea Neck Township | Attainment |
| Falling Creek Township | Attainment |
| Institute Township | Attainment |
| Kinston Township | Attainment |
| Moseley Hall Township | Attainment |
| Neuse Township | Attainment |
| Pink Hill Township | Attainment |
| Sand Hill Township | Attainment |
| Southwest Township | Attainment |
| Trent Township | Attainment |
| Vance Township | Attainment |
| Woodington Township | Attainment |
| **Lincoln County** | |
| Catawba Springs Township | Attainment |
| Howards Creek Township | Attainment |
| Ironton Township | Attainment |
| Lincolnton Township | Attainment |
| North Brook Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Macon County** | |
| Burningtown Township | Attainment |
| Cartoogechaye Township | Attainment |
| Cowee Township | Attainment |
| Ellijay Township | Attainment |
| Flats Township | Attainment |
| Franklin Township | Attainment |
| Highlands Township | Attainment |
| Millshoal Township | Attainment |
| Nantahala Township | Attainment |
| Smithbridge Township | Attainment |
| Sugarfork Township | Attainment |
| **Madison County** | |
| Township 1, North Marshall | Attainment |
| Township 1, South Marshall | Attainment |
| Township 2, Laurel | Attainment |
| Township 3, Mars Hill | Attainment |
| Township 4, Beech Glenn | Attainment |
| Township 5, Walnut | Attainment |
| Township 6, Hot Springs | Attainment |
| Township 7, Ebbs Chapel | Attainment |
| Township 8, Spring Creek | Attainment |
| Township 9, Sandy Mush | Attainment |
| Township 10, Grapevine | Attainment |
| Township 11, Revere-Rice Cove | Attainment |
| **Martin County** | |
| Beargrass Township | Attainment |
| Cross Roads Township | Attainment |
| Goose Nest Township | Attainment |
| Griffins Township | Attainment |
| Hamilton Township | Attainment |
| Jamesville Township | Attainment |
| Poplar Point Township | Attainment |
| Robersonville Township | Attainment |
| Williams Township | Attainment |
| Williamston Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **McDowell County** | |
| Brackett Township | Attainment |
| Crooked Creek Township | Attainment |
| Dysartsville Township | Attainment |
| Glenwood Township | Attainment |
| Higgins Township | Attainment |
| Marion Township | Attainment |
| Montford Cove Township | Attainment |
| Nebo Township | Attainment |
| North Cove Township | Attainment |
| Old Fort Township | Attainment |
| **Mecklenburg County** | |
| Grouped Townships | |
| Township 1, Charlotte<br>Township 2, Berryhill<br>Township 5, Providence<br>Township 7, Crab Orchard<br>Township 12, Paw Creek | Attainment |
| Individual Townships | |
| Township 3, Steele Creek | Attainment |
| Township 6, Clear Creek | Attainment |
| Township 8, Mallard Creek | Attainment |
| Township 9, Deweese | Attainment |
| Township 10, Lemley | Attainment |
| Township 11, Long Creek | Attainment |
| Township 13, Morning Star | Attainment |
| Township 14, Pineville | Attainment |
| Township 15, Huntersville | Attainment |
| **Mitchell County** | |
| Bakersville Township | Attainment |
| Bradshaw Township | Attainment |
| Cane Creek Township | Attainment |
| Fork Mountain-Little Rock Creek Township | Attainment |
| Grassy Creek Township | Attainment |
| Harrell Township | Attainment |
| Poplar Township | Attainment |
| Red Hill Township | Attainment |
| Snow Creek Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Montgomery County** | |
| Biscoe Township | Attainment |
| Cheek Creek Township | Attainment |
| Eldorado Township | Attainment |
| Little River Township | Attainment |
| Mount Gilead Township | Attainment |
| Ophir Township | Attainment |
| Pee Dee Township | Attainment |
| Rocky Springs Township | Attainment |
| Star Township | Attainment |
| Troy Township | Attainment |
| Uwharrie Township | Attainment |
| **Moore County** | |
| Township 1, Carthage | Attainment |
| Township 2, Bensalem | Attainment |
| Township 3, Sheffield | Attainment |
| Township 4, Ritter | Attainment |
| Township 5, Deep River | Attainment |
| Township 6, Greenwood | Attainment |
| Township 7, McNeill | Attainment |
| Township 8, Sandhills | Attainment |
| Township 9, Mineral Springs | Attainment |
| Township 10, Little River | Attainment |
| **Nash County** | |
| Bailey Township | Attainment |
| Castalia Township | Attainment |
| Coopers Township | Attainment |
| Dry Wells Township | Attainment |
| Ferrells Township | Attainment |
| Griffins Township | Attainment |
| Jackson Township | Attainment |
| Mannings Township | Attainment |
| Nashville Township | Attainment |
| North Whitakers Township | Attainment |
| Oak Level Township | Attainment |
| Red Oak Township | Attainment |
| Rocky Mount Township | Attainment |
| South Whitakers Township | Attainment |
| Stony Creek Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **New Hanover County** | |
| Grouped Townships | |
| Harnett Township | Attainment |
| Masonboro Township | |
| Wilmington Township | |
| Individual Townships | |
| Cape Fear Township | Attainment |
| Federal Point Township | Attainment |
| **Northampton County** | |
| Gaston Township | Attainment |
| Jackson Township | Attainment |
| Kirby Township | Attainment |
| Oconeechee Township | Attainment |
| Pleasant Hill Township | Attainment |
| Rich Square Township | Attainment |
| Roanoke Township | Attainment |
| Seaboard Township | Attainment |
| Wiccacanee Township | Attainment |
| **Onslow County** | |
| Camp Lejeune UT | Attainment |
| Hofmann Forest UT | Attainment |
| Jacksonville Township | Attainment |
| Richlands Township | Attainment |
| Stump Sound Township | Attainment |
| Swansboro Township | Attainment |
| White Oak Township | Attainment |
| **Orange County** | |
| Bingham Township | Attainment |
| Cedar Grove Township | Attainment |
| Chapel Hill Township | Attainment |
| Cheeks Township | Attainment |
| Eno Township | Attainment |
| Hillsborough Township | Attainment |
| Little River Township | Attainment |
| **Pamlico County** | |
| Township 1 | Attainment |
| Township 2 | Attainment |
| Township 3 | Attainment |
| Township 4 | Attainment |
| Township 5 | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Pasquotank County** | |
| Elizabeth City Township | Attainment |
| Mount Hermon Township | Attainment |
| Newland Township | Attainment |
| Nixonton Township | Attainment |
| Providence Township | Attainment |
| Salem Township | Attainment |
| **Pender County** | |
| Burgaw Township | Attainment |
| Canetuck Township | Attainment |
| Caswell Township | Attainment |
| Columbia Township | Attainment |
| Grady Township | Attainment |
| Holly Township | Attainment |
| Long Creek Township | Attainment |
| Rocky Point Township | Attainment |
| Topsail Township | Attainment |
| Union Township | Attainment |
| **Perquimans County** | |
| Belvidere Township | Attainment |
| Bethel Township | Attainment |
| Hertford Township | Attainment |
| New Hope Township | Attainment |
| Parkville Township | Attainment |
| **Person County** | |
| Allensville Township | Attainment |
| Bushy Fork Township | Attainment |
| Cunningham Township | Attainment |
| Flat River Township | Attainment |
| Holloway Township | Attainment |
| Mount Tirzah Township | Attainment |
| Olive Hill Township | Attainment |
| Roxboro Township | Attainment |
| Woodsdale Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Pitt County** | |
| Arthur Township | Attainment |
| Ayden Township | Attainment |
| Belvoir Township | Attainment |
| Bethel Township | Attainment |
| Carolina Township | Attainment |
| Chicod Township | Attainment |
| Falkland Township | Attainment |
| Farmville Township | Attainment |
| Fountain Township | Attainment |
| Greenville Township | Attainment |
| Grifton Township | Attainment |
| Grimesland Township | Attainment |
| Pactolus Township | Attainment |
| Swift Creek Township | Attainment |
| Winterville Township | Attainment |
| **Polk County** | |
| Columbus Township | Attainment |
| Cooper Gap Township | Attainment |
| Green Creek Township | Attainment |
| Saluda Township | Attainment |
| Tryon Township | Attainment |
| White Oak Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Randolph County** | |
| Asheboro Township | Attainment |
| Back Creek Township | Attainment |
| Brower Township | Attainment |
| Cedar Grove Township | Attainment |
| Coleridge Township | Attainment |
| Columbia Township | Attainment |
| Concord Township | Attainment |
| Franklinville Township | Attainment |
| Grant Township | Attainment |
| Level Cross Township | Attainment |
| Liberty Township | Attainment |
| New Hope Township | Attainment |
| New Market Township | Attainment |
| Pleasant Grove Township | Attainment |
| Providence Township | Attainment |
| Randleman Township | Attainment |
| Richland Township | Attainment |
| Tabernacle Township | Attainment |
| Trinity Township | Attainment |
| Union Township | Attainment |
| **Richmond County** | |
| Beaverdam Township | Attainment |
| Black Jack Township | Attainment |
| Marks Creek Township | Attainment |
| Mineral Springs Township | Attainment |
| Rockingham Township | Attainment |
| Steeles Township | Attainment |
| Wolf Pit Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Robeson County** | |
| Alfordsville Township | Attainment |
| Back Swamp Township | Attainment |
| Britts Township | Attainment |
| Burnt Swamp Township | Attainment |
| East Howellsville Township | Attainment |
| Fairmont Township | Attainment |
| Gaddys Township | Attainment |
| Lumber Bridge Township | Attainment |
| Lumberton Township | Attainment |
| Maxton Township | Attainment |
| Orrum Township | Attainment |
| Parkton Township | Attainment |
| Pembroke Township | Attainment |
| Philadelphus Township | Attainment |
| Raft Swamp Township | Attainment |
| Red Springs Township | Attainment |
| Rennert Township | Attainment |
| Rowland Township | Attainment |
| Saddletree Township | Attainment |
| St. Pauls Township | Attainment |
| Shannon Township | Attainment |
| Smiths Township | Attainment |
| Smyrna Township | Attainment |
| Sterlings Township | Attainment |
| Thompson Township | Attainment |
| Union Township | Attainment |
| West Howellsville Township | Attainment |
| Whitehouse Township | Attainment |
| Wisharts Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Rockingham County** | |
| Huntsville Township | Attainment |
| Leaksville Township | Attainment |
| Madison Township | Attainment |
| Mayo Township | Attainment |
| New Bethel Township | Attainment |
| Price Township | Attainment |
| Reidsville Township | Attainment |
| Ruffin Township | Attainment |
| Simpsonville Township | Attainment |
| Wentworth Township | Attainment |
| Williamsburg Township | Attainment |
| **Rowan County** | |
| Atwell Township | Attainment |
| China Grove Township | Attainment |
| Cleveland Township | Attainment |
| Franklin Township | Attainment |
| Gold Hill Township | Attainment |
| Litaker Township | Attainment |
| Locke Township | Attainment |
| Morgan Township | Attainment |
| Mount Ulla Township | Attainment |
| Providence Township | Attainment |
| Salisbury Township | Attainment |
| Scotch Irish Township | Attainment |
| Steele Township | Attainment |
| Unity Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Rutherford County** | |
| Camp Creek Township | Attainment |
| Chimney Rock Township | Attainment |
| Colfax Township | Attainment |
| Cool Spring Township | Attainment |
| Duncans Creek Township | Attainment |
| Gilkey Township | Attainment |
| Golden Valley Township | Attainment |
| Green Hill Township | Attainment |
| High Shoals Township | Attainment |
| Logan Store Township | Attainment |
| Morgan Township | Attainment |
| Rutherfordton Township | Attainment |
| Sulphur Springs Township | Attainment |
| Union Township | Attainment |
| **Sampson County** | |
| Belvoir Township | Attainment |
| Dismal Township | Attainment |
| Franklin Township | Attainment |
| Halls Township | Attainment |
| Herring Township | Attainment |
| Honeycutt Township | Attainment |
| Lisbon Township | Attainment |
| Little Coharie Township | Attainment |
| McDaniels Township | Attainment |
| Mingo Township | Attainment |
| Newton Grove Township | Attainment |
| North Clinton Township | Attainment |
| Piney Grove Township | Attainment |
| Plain View Township | Attainment |
| South Clinton Township | Attainment |
| South River Township | Attainment |
| Taylors Bridge Township | Attainment |
| Turkey Township | Attainment |
| Westbrook Township | Attainment |
| **Scotland County** | |
| Laurel Hill Township | Attainment |
| Spring Hill Township | Attainment |
| Stewartsville Township | Attainment |
| Williamson Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Stanly County** | |
| Almond Township | Attainment |
| Big Lick Township | Attainment |
| Center Township | Attainment |
| Endy Township | Attainment |
| Furr Township | Attainment |
| Harris Township | Attainment |
| North Albemarle Township | Attainment |
| Ridenhour Township | Attainment |
| South Albemarle Township | Attainment |
| Tyson Township | Attainment |
| **Stokes County** | |
| Beaver Island Township | Attainment |
| Big Creek Township | Attainment |
| Danbury Township | Attainment |
| Meadows Township | Attainment |
| Peters Creek Township | Attainment |
| Quaker Gap Township | Attainment |
| Sauratown Township | Attainment |
| Snow Creek Township | Attainment |
| Yadkin Township | Attainment |
| **Surry County** | |
| Bryan Township | Attainment |
| Dobson Township | Attainment |
| Eldora Township | Attainment |
| Elkin Township | Attainment |
| Franklin Township | Attainment |
| Long Hill Township | Attainment |
| Marsh Township | Attainment |
| Mount Airy Township | Attainment |
| Pilot Township | Attainment |
| Rockford Township | Attainment |
| Shoals Township | Attainment |
| Siloam Township | Attainment |
| South Westfield Township | Attainment |
| Stewarts Creek Township | Attainment |
| Westfield Township | Attainment |
| **Swain County** | |
| Charleston Township | Attainment |
| Forneys Creek UT | Attainment |
| Nantahala Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Transylvania County** | |
| Boyd Township | Attainment |
| Brevard Township | Attainment |
| Catheys Creek Township | Attainment |
| Dunns Rock Township | Attainment |
| Eastatoe Township | Attainment |
| Gloucester Township | Attainment |
| Hogback Township | Attainment |
| Little River Township | Attainment |
| **Tyrrell County** | |
| Alligator Township | Attainment |
| Columbia Township | Attainment |
| Gum Neck Township | Attainment |
| Scuppernong Township | Attainment |
| South Fork Township | Attainment |
| **Union County** | |
| Buford Township | Attainment |
| Goose Creek Township | Attainment |
| Jackson Township | Attainment |
| Lanes Creek Township | Attainment |
| Marshville Township | Attainment |
| Monroe Township | Attainment |
| New Salem Township | Attainment |
| Sandy Ridge Township | Attainment |
| Vance Township | Attainment |
| **Vance County** | |
| Dabney Township | Attainment |
| Henderson Township | Attainment |
| Kittrell Township | Attainment |
| Middleburg Township | Attainment |
| Sandy Creek Township | Attainment |
| Townsville Township | Attainment |
| Watkins Township | Attainment |
| Williamsboro Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Wake County** | |
| Grouped Townships<br>Cary Township<br>Meredith Township | Attainment |
| Individual Townships<br>Bartons Creek Township | Attainment |
| Buckhorn Township | Attainment |
| Cedar Fork Township | Attainment |
| Holly Springs Township | Attainment |
| House Creek Township | Attainment |
| Leesville Township | Attainment |
| Little River Township | Attainment |
| Marks Creek Township | Attainment |
| Middle Creek Township | Attainment |
| Neuse Township | Attainment |
| New Light Township | Attainment |
| Panther Branch Township | Attainment |
| Raleigh Township | Attainment |
| St. Marys Township | Attainment |
| St. Matthews Township | Attainment |
| Swift Creek Township | Attainment |
| Wake Forest Township | Attainment |
| White Oak Township | Attainment |
| **Warren County** | |
| Fishing Creek Township | Attainment |
| Fork Township | Attainment |
| Hawtree Township | Attainment |
| Judkins Township | Attainment |
| Nutbush Township | Attainment |
| River Township | Attainment |
| Roanoke Township | Attainment |
| Sandy Creek Township | Attainment |
| Shocco Township | Attainment |
| Sixpound Township | Attainment |
| Smith Creek Township | Attainment |
| Warrenton Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Washington County** | |
| Lees Mill Township | Attainment |
| Plymouth Township | Attainment |
| Scuppernong Township | Attainment |
| Skinnersville Township | Attainment |
| **Watauga County** | |
| Bald Mountain Township | Attainment |
| Beaverdam Township | Attainment |
| Blowing Rock Township | Attainment |
| Blue Ridge Township | Attainment |
| Boone Township | Attainment |
| Brushy Fork Township | Attainment |
| Cove Creek Township | Attainment |
| Elk Township | Attainment |
| Laurel Creek Township | Attainment |
| Meat Camp Township | Attainment |
| New River Township | Attainment |
| North Fork Township | Attainment |
| Shawneehaw Township | Attainment |
| Stony Fork Township | Attainment |
| Watauga Township | Attainment |
| **Wayne County** | |
| Brogden Township | Attainment |
| Buck Swamp Township | Attainment |
| Fork Township | Attainment |
| Goldsboro Township | Attainment |
| Grantham Township | Attainment |
| Great Swamp Township | Attainment |
| Indian Springs Township | Attainment |
| Nahunta Township | Attainment |
| New Hope Township | Attainment |
| Pikeville Township | Attainment |
| Saulston Township | Attainment |
| Stoney Creek Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Wilkes County** | |
| Antioch Township | Attainment |
| Beaver Creek Township | Attainment |
| Boomer Township | Attainment |
| Brushy Mountain Township | Attainment |
| Edwards Township | Attainment |
| Elk Township | Attainment |
| Jobs Cabin Township | Attainment |
| Lewis Fork Township | Attainment |
| Lovelace Township | Attainment |
| Moravian Falls Township | Attainment |
| Mulberry Township | Attainment |
| New Castle Township | Attainment |
| North Wilkesboro Township | Attainment |
| Reddies River Township | Attainment |
| Rock Creek Township | Attainment |
| Somers Township | Attainment |
| Stanton Township | Attainment |
| Traphill Township | Attainment |
| Union Township | Attainment |
| Walnut Grove Township | Attainment |
| Wilkesboro Township | Attainment |
| **Wilson County** | |
| Black Creek Township | Attainment |
| Cross Roads Township | Attainment |
| Gardners Township | Attainment |
| Old Fields Township | Attainment |
| Saratoga Township | Attainment |
| Springhill Township | Attainment |
| Stantonsburg Township | Attainment |
| Taylors Township | Attainment |
| Toisnot Township | Attainment |
| Wilson Township | Attainment |

**North Carolina Recommendation for Annual $PM_{2.5}$ Standard**

| Designated Area | Designated Type |
|---|---|
| **Yadkin County** | |
| Boonville Township | Attainment |
| Deep Creek Township | Attainment |
| East Bend Township | Attainment |
| Forbush Township | Attainment |
| North Buck Shoals Township | Attainment |
| North Fall Creek Township | Attainment |
| North Knobs Township | Attainment |
| North Liberty Township | Attainment |
| South Buck Shoals Township | Attainment |
| South Fall Creek Township | Attainment |
| South Knobs Township | Attainment |
| South Liberty Township | Attainment |
| **Yancey County** | |
| Brush Creek Township | Attainment |
| Burnsville Township | Attainment |
| Cane River Township | Attainment |
| Crabtree Township | Attainment |
| Egypt Township | Attainment |
| Green Mountain Township | Attainment |
| Jacks Creek Township | Attainment |
| Pensacola Township | Attainment |
| Price Creek Township | Attainment |
| Ramseytown Township | Attainment |
| South Toe Township | Attainment |