

NWS Data Sets for Use With AERMOD Model

County Number	County Name	Weather Data Set	County Number	County Name	Weather Data Set
1	Alamance	BUY	51	Johnston	RDU
2	Alexander	NA	52	Jones	EWN
3	Alleghany	NA	53	Lee	RDU
4	Anson	EQY	54	Lenoir	GSB
5	Ashe	NA	55	Lincoln	NA ¹
6	Avery	NA	56	McDowell	NA
7	Beaufort	EWN	57	Macon	NA
8	Bertie	ECG	58	Madison	NA
9	Bladen	LBT	59	Martin	RWI
10	Brunswick	ILM	60	Mecklenburg	CLT
11	Buncombe	NA	61	Mitchell	NA
12	Burke	NA ¹	62	Montgomery	EQY
13	Cabarrus	CLT	63	Moore	MEB
14	Caldwell	NA ¹	64	Nash	RWI
15	Camden	ECG	65	New Hanover	ILM
16	Carteret	MRH	66	North Hampton	RWI
17	Caswell	BUY	67	Onslow	MRH
18	Catawba	NA ¹	68	Orange	IGX
19	Chatham	IGX	69	Pamlico	EWN
20	Cherokee	NA	70	Pasquotank	ECG
21	Chowan	ECG	71	Pender	ILM
22	Clay	NA	72	Perquimans	ECG
23	Cleveland	AKH ²	73	Person	IGX
24	Columbus	LBT	74	Pitt	RWI
25	Craven	EWN	75	Polk	NA
26	Cumberland	FAY	76	Randolph	GSO
27	Currituck	ECG	77	Richmond	MEB
28	Dare	ECG	78	Robeson	LBT
29	Davidson	GSO	79	Rockingham	GSO
30	Davie	INT	80	Rowan	CLT
31	Duplin	GSB	81	Rutherford	AKH ³
32	Durham	RDU	82	Sampson	FAY
33	Edgecombe	RWI	83	Scotland	MEB
34	Forsyth	INT	84	Stanly	EQY
35	Franklin	RDU	85	Stokes	INT
36	Gaston	AKH	86	Surry	INT
37	Gates	ECG	87	Swain	NA
38	Graham	NA	88	Transylvania	NA
39	Granville	RDU	89	Tyrrell	ECG
40	Greene	GSB	90	Union	EQY
41	Guilford	GSO	91	Vance	RDU
42	Halifax	RWI	92	Wake	RDU
43	Harnett	RDU	93	Warren	RWI
44	Haywood	NA	94	Washington	ECG
45	Henderson	NA	95	Watauga	NA
46	Hertford	ECG	96	Wayne	GSB
47	Hoke	MEB	97	Wilkes	NA
48	Hyde	MRH	98	Wilson	RWI
49	Iredell	CLT	99	Yadkin	INT
50	Jackson	NA	100	Yancey	NA

...Key to weather data set abbreviations on following page...

BUY – Burlington surface/Greensboro upper
EWN – New Bern/Newport
IGX – Chapel Hill/Greensboro
RDU - Raleigh/Greensboro
CLT - Charlotte/Greensboro
GSB - Goldsboro (Seymour Johnson AFB)/Newport
MEB – Maxton/Greensboro
FAY – Fayetteville (Pope AFB)/Greensboro
AVL – Asheville/Greensboro
INT – Winston Salem/Greensboro

EQY – Monroe/Greensboro upper
ECG – Elizabeth City/Newport
AKH – Gastonia/Greensboro
GSO - Greensboro/Greensboro
ILM - Wilmington/Newport
RWI – Rocky Mount – Wilson/Newport
MRH – Morehead City (Beaufort)/Newport
LBT – Lumberton/Greensboro
HKY – Hickory/Greensboro

- 1-The Hickory/Greensboro meteorological data set may be used on a limited basis, if the applicant and DAQ believe that this data is more representative than the nearest NWS data set. The applicant must receive approval from the AQAB before using the data set. NA - These counties are located in areas where terrain features are such that only site specific data would be representative. Contact the AQAB to determine the most appropriate modeling methodology.
 - 2 – The Gastonia/Greensboro data set may be used but with prior approval from the AQAB.
 - 3- for easternmost portion of county only – contact AQAB for prior approval.
- N/A – Need to contact AQAB for meteorological data sets.