The Air Quality Forecast

April 6, 2015

Greg John
NJDEP/Air Quality Evaluation

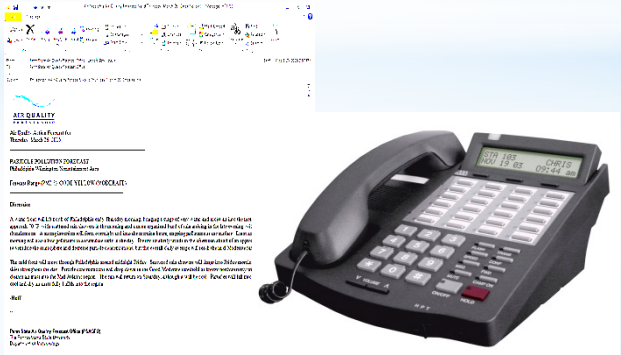
Some Background on New Jersey's Air Quality Forecast

- AQ forecast is submitted to AIRNow by 9 AM weekdays.
  The forecast includes a prediction of air quality for the current and next day.

- AQ forecast uses air quality data from more than 20 monitoring stations in the Garden State.

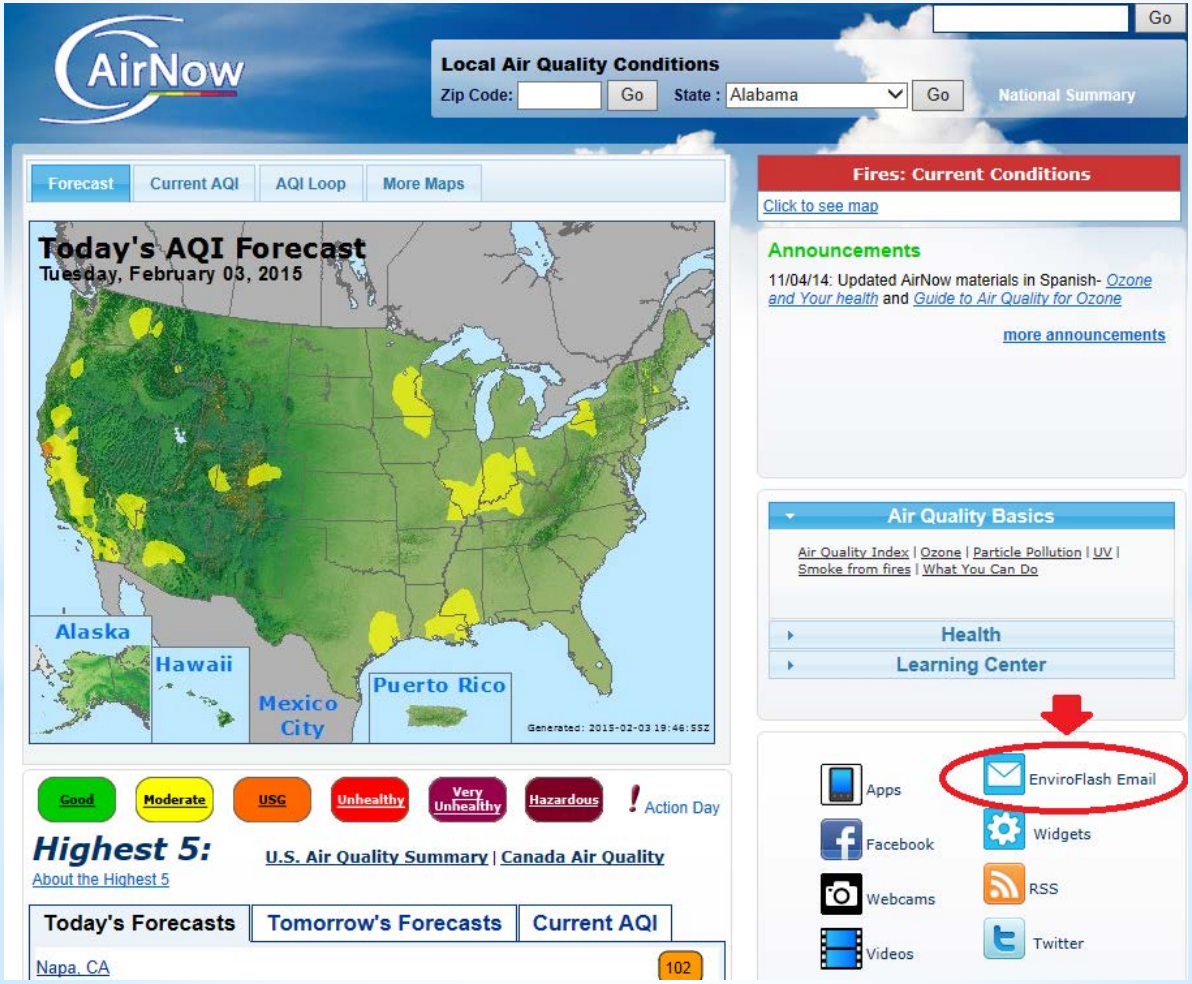
- During ozone season, the forecasting team participates in a daily conference call with the northeast states to discuss the next day's forecast.

- The team also receives a daily e-mail from Penn State University with a forecast discussion for other Delaware Valley locations.



What you should know about the Air Quality Forecast:

- Go to **http://www.AIRNow.gov**
- You can register to receive the Air Quality Forecast by e-mail.



Sign up and Start Receiving Your Air Quality Forecast Today!

Fill out the form below to get started.

Subscriber Information

Email Address: * Receive as a text message?

Confirm Email: *

First Name:

Last Name:

ZIP Code: 08625 *

** required fields*

City Selection

Change City

Nearest EnviroFlash City: **Rider University, NJ**

Email Preferences

Format

(•) HTML ( ) Text Only ( ) Short

Receive Action Day Notifications: [x]

Receive Forecasts: [ ]

Receive Current Conditions: [ ]

AIRNow - New Jersey Air Quality - Windows Internet Explorer

http://www.airnow.gov/index.cfm?action=airnow.local_state

Live Search

Edit View Favorites Tools Help

Yahoo Search PDFCreator eBay Amazon Coupons Radio Options

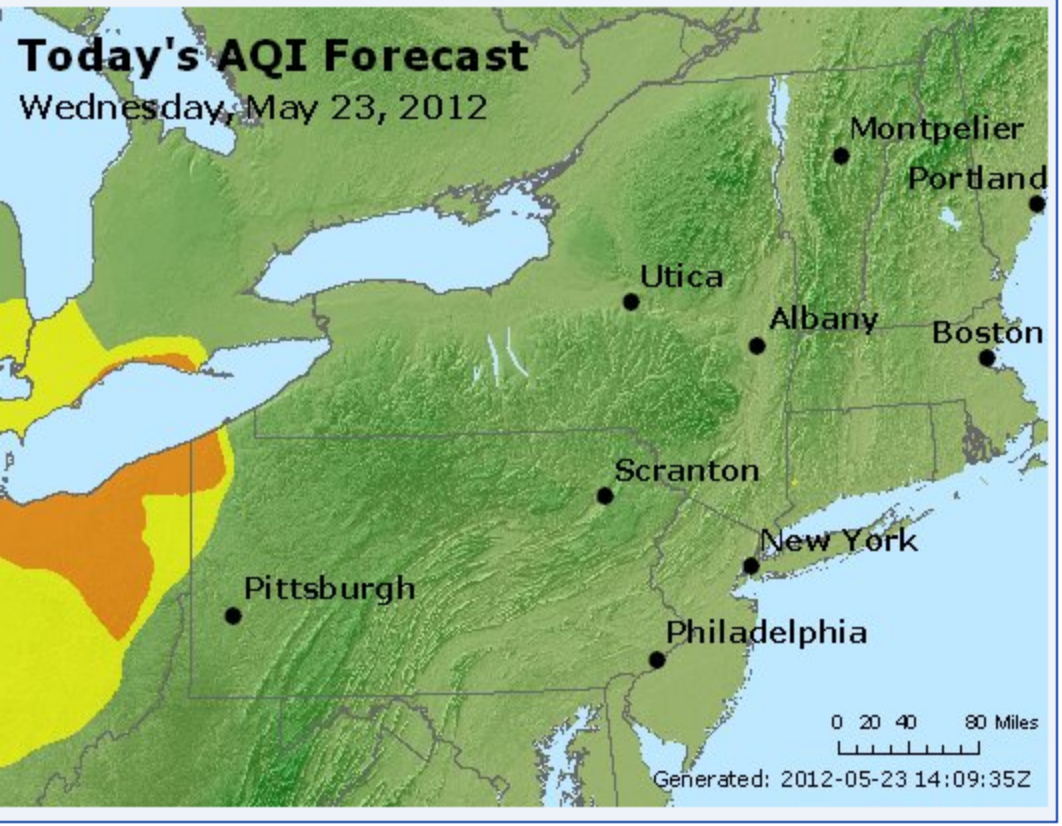
AIRNow - New Jersey Air Quality

Page Tools

AIRNow Home >> **New Jersey**

Data courtesy of: New Jersey Department of Environmental Protection

Forecast | Current AQI | AQI Animation



Click on the city name for more detailed information. printable summary	FORECAST		CURRENT AQI
	Wed May 23	Thu May 24	
Brigantine	40	45	20
Camden	40	45	52
Chester	40	45	18
Clarksboro	40	45	52
Flemington	40	45	46
Fort Lee	45	45	n/a
Millville	40	45	22
Monmouth	40	45	13
New Brunswick	40	45	24

Good | Moderate | USG | Unhealthy | Very Unhealthy | Hazardous | ! Action Day

* Air Quality Index for Ozone

Index Values (Conc. Range)	Air Quality Descriptors	Cautionary Statements for Ozone
0 – 50 (0-59 ppb)	Good	**No health impacts are expected when air quality is in this range.**
51 – 100 (60-75 ppb)	Moderate	**Unusually sensitive people should consider limiting prolonged outdoor exertion**
101 – 150 (76-95 ppb)	Unhealthy for Sensitive Groups	**Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion**
151 – 200 (96-115 ppb)	Unhealthy	**Active children and adults, and people with respiratory disease, such as asthma, should avoid prolonged outdoor exertion; everyone else, especially children should limit prolonged outdoor exertion.**
201 – 300 (116-374 ppb)	Very Unhealthy	**Active children and adults, and people with respiratory disease, such as asthma, should avoid all outdoor exertion; everyone else, especially children, should limit outdoor exertion.**

Other places to look for the Air Quality Forecast:

1. Take a look at the NJDEP's Air Monitoring webpage - http://njaqinow.net/

2. Check the National Weather Service Philadelphia/Mt Holly webpage. http://www.weather.gov/phi/

Suggested Sites · Web Slice Gallery ·

new jersey department of environmental protection

- Current Statewide Readings
- Current Air Quality
- Current Status
- Reports
- Information
- Publications
- Links
- Login

Site Statistics

Total:286637
Current:2
User:Guest
Last Update:8/8/2014

Index Legend

- Good
- Moderate
- Unhealthy For Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous
- No Index Data

Welcome to New Jersey's Air Monitoring Web Site!

This Site Has the Latest Air Quality Data and Forecasts For New Jersey:

1.From November 1 to April 1 the ozone only monitoring sites at the Ancora State Hospital, Clarksboro, Colliers Mills, Leonia, Monmouth University, and Ramapo are closed.

Preliminary data: We update these Web pages hourly, every day, around the clock. Data labeled "current" on these pages are preliminary and subject to change.

Air Quality Forecasts and News

Air Quality Forecast for 26-March-2015:
Good air quality will return across New Jersey with steady south winds and rain.
3/26/2015 12:00:00 AM

Air Quality Forecast for 27-March-2015:
Good air quality is forecast across New Jersey with northwest winds, lower humidity, and cooler temperatures in the wake of a passing cold front.

Related Links

- *AQI Forecasts via E-mail*
- *m.njaqinow.net - Mobile*

http://njaqinow.net/

Rutgers University PAM Site (P... | Envista - Air Resources Ma...

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Suggested Sites | Web Slice Gallery

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- Current Statewide Readings
- Current Status
- POLLUTANTS
- ChannelOnlineGraph
- Reports
- Information
- Publications
- Links
- Login

Site Statistics

Total:285661
Current:1
User:Guest
Last Update:8/8/2014

Index Legend

- Good
- Moderate
- Unhealthy For Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous
- No Index Data

Current Status - POLLUTANTS

Excel TextExport HTML

Station	Date And Time	O3	SO2	NO2	PM2.5	CO	SMOKE	WDIR	WSPD
		ppm	ppm	ppm	µg/m3	ppm	COHS	Deg	mph
Ancora State Hospital	3/24/2015 1:00 PM	0.030							
Bayonne	3/24/2015 1:00 PM	0.029	0.000	0.015					
Brigantine	3/24/2015 1:00 PM	0.032	0.000		6.4				
Camden Spruce St	3/24/2015 1:00 PM	0.011	0.000	0.036		0.3			
Chester	3/24/2015 1:00 PM	0.044	0.000	0.000					
Clarksboro	3/24/2015 1:00 PM	0.018							
Colliers Mills	3/24/2015 1:00 PM	0.026							
Columbia	3/24/2015 1:00 PM	0.041	0.000	0.003	6.6			296	4.2
East Orange	3/24/2015 1:00 PM			0.008		0.2			
Elizabeth	3/24/2015 1:00 PM		0.001			0.3	0.01		
Elizabeth Trailer	3/24/2015 1:00 PM		0.000	0.012	0.0	0.2	0.09	297	1.8
Ewing	3/24/2015 1:00 PM				3.7				
Flemington	3/24/2015 1:00 PM	0.034			2.1			308	3.7
Ft Lee Near Road	3/24/2015 1:00 PM			0.013	9.1	0.2			
Jersey City	3/24/2015 1:00 PM		0.001			0.3			
Jersey City FH	3/24/2015 1:00 PM								
Leonia	3/24/2015 1:00 PM	0.036							
Millville	3/24/2015 1:00 PM	0.028		0.011	4.8				
Monmouth University	3/24/2015 1:00 PM	0.025							
Newark Firehouse	3/24/2015 1:00 PM	0.034	0.000		5.7	0.2		336	2.1
New Brunswick	3/24/2015 1:00 PM				3.6				
Rahway PM	3/24/2015 1:00 PM				8.1				
Ramapo	3/24/2015 1:00 PM	0.038							
Rider University	3/24/2015 1:00 PM	0.034						270	2.2
Rutgers University	3/24/2015 1:00 PM	0.034		0.007					
South Camden	3/24/2015 1:00 PM				16.3				

http://njaqinow.net/

Envista - Air Resour...

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Suggested Sites Web Slice Gallery

new jersey department of environmental protection

- Current Statewide Readings
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Site Statistics

Total:287156
Current:1
User:Guest
Last Update:8/8/2014

Index Legend

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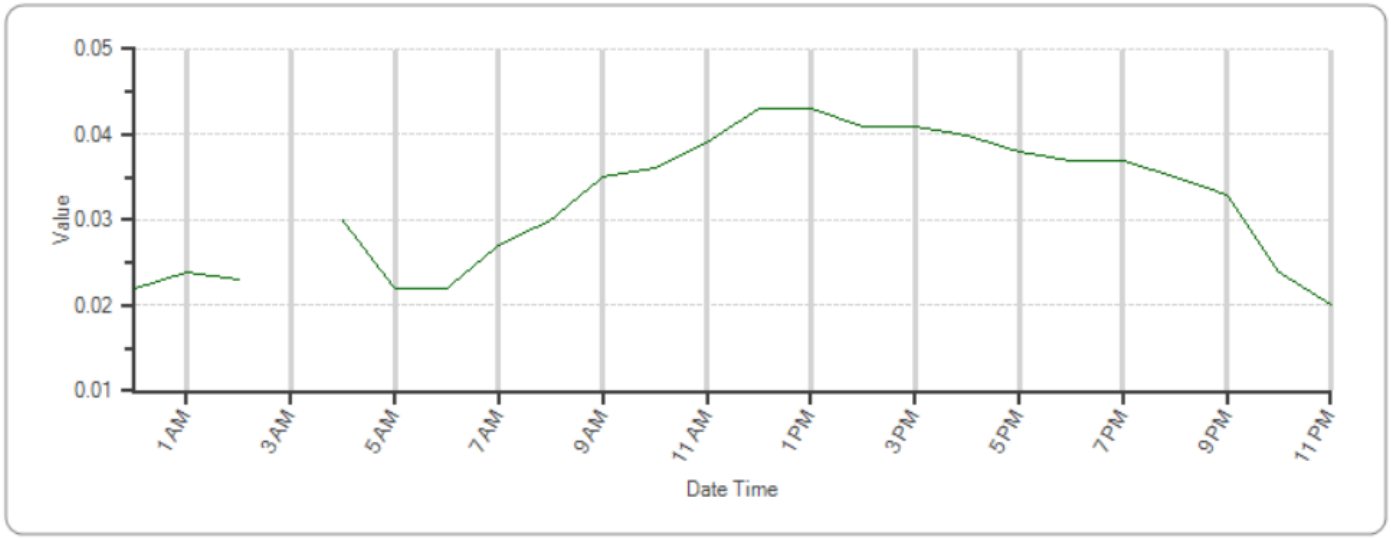
- Very Unhealthy
- Hazardous
- No Index Data

Report Chart

Grid Print

Station:Brigantine Periodic:3/26/2015 12:00 AM - 3/26/2015 11:00 PM Report Type:AVG



O3 [ppm]

NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Local forecast by "City, St" or ZIP code

Enter location ... Go

Location Help

News Headlines

- Severe Weather Awareness in PA

Customize Your Weather.gov

City, ST

Enter Your City, ST or ZIP Code

Remember Me

Get Weather

Privacy Policy

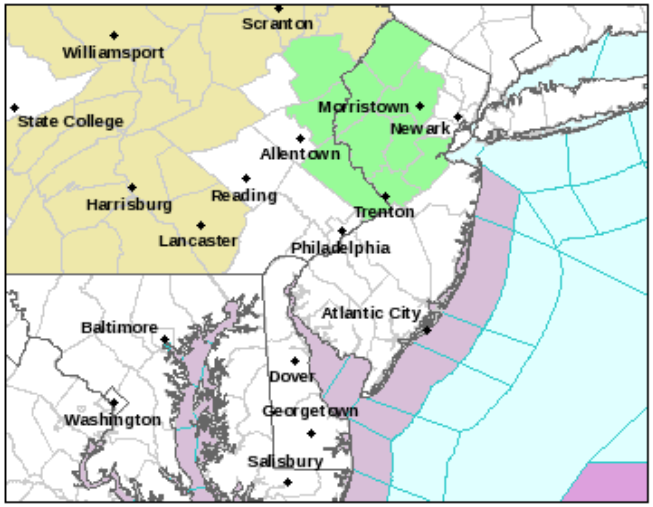
NWS Forecast Office Philadelphia/Mt Holly

Weather.gov > Mount Holly, NJ

Mount Holly, NJ
Weather Forecast Office

Current Hazards | Current Conditions | Radar | Forecasts | Rivers and Lakes | Climate and Past Weather | Local Programs

Click on the map below to zoom in.



Last Map Update: Wed, Mar. 25, 2015 at 2:40:26 pm EDT

Watches, Warnings & Advisories

Zoom Out

- Gale Warning
- Small Craft Advisory
- Hazardous Weather Outlook
- Short Term Forecast

Radar

Current Weather

Rivers & Lakes

Satellite

Weather Information Display

Forecast Maps

http://airquality.weather.gov/sectors/newjersey.php#tabs

Air Quality Forecast Guidan...

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Suggested Sites Web Slice Gallery

Warnings & Forecasts | Graphical Forecasts | National Maps | Radar | Water | Air Quality | Satellite | Climate

Air Quality Forecast Guidance - New Jersey

Print Key Help Zoom Out

Daily View | Loops | Point Data

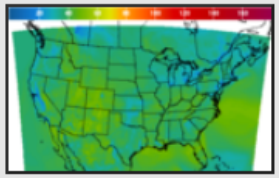
Page Help

Mouse over or click on the table below to change the guidance image.

Today												+12Hrs
Valid Hour (EDT):	-- AM --				-- PM --							
	8	9	10	11	12	1	2	3	4	5	6	7
1Hr Average Ozone Concentration	–	–	–	–	–	–						
Daily 1Hr Ozone Max												
8Hr Average Ozone Concentration	–	–	–	–	–	–						
Daily 8Hr Ozone Max												
1Hr Average Surface Smoke	–	–	–	–	–	–						
1Hr Average Vertical Smoke Integration	–	–	–	–	–	–						
Surface Dust Concentration	–	–	–	–	–	–						
Column Dust Concentration	–	–	–	–	–	–						

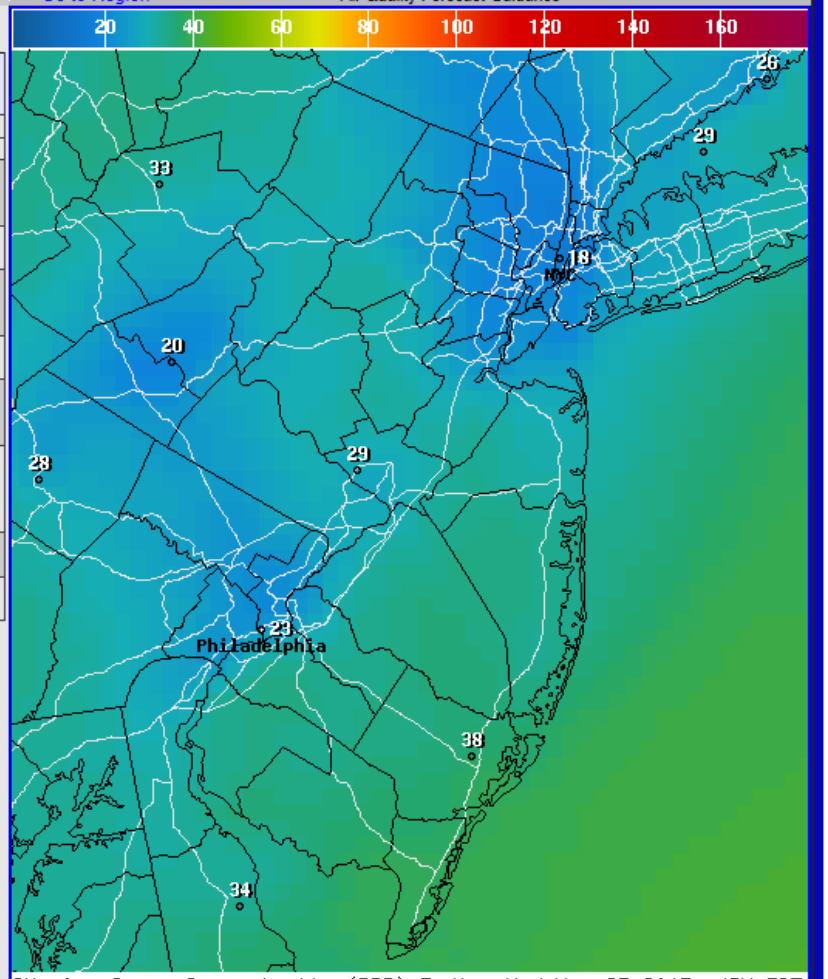
Table MouseOver Effect On

Overview



Go to Region

Air Quality Forecast Guidance



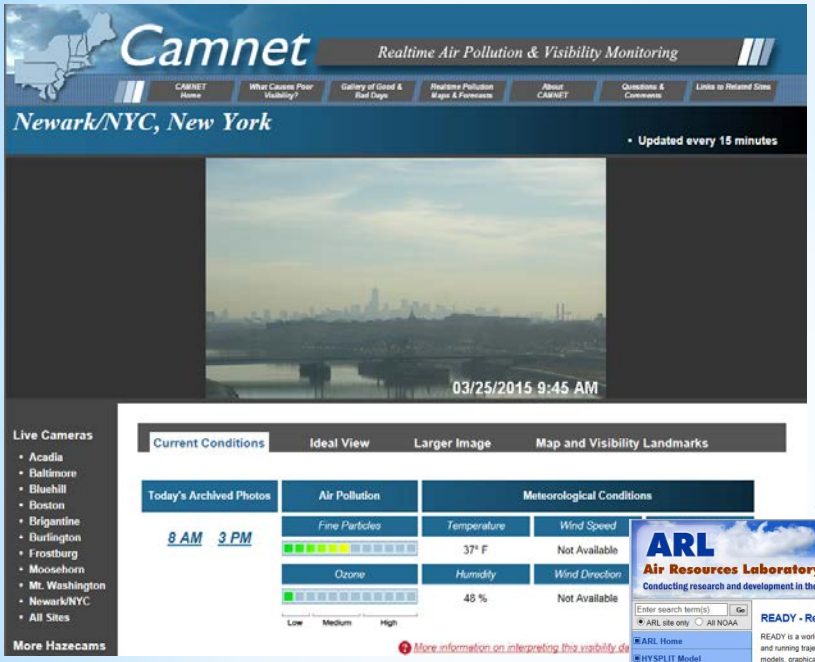
8Hr Avg Ozone Concentration(PPB) Ending Wed Mar 25 2015 4PM EDT

(Wed Mar 25 2015 20Z)

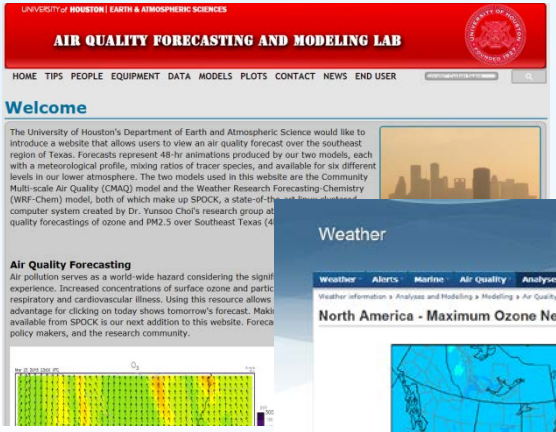
National Digital Guidance Database

12z model run Graphic created-Mar 25 12:15PM EDT

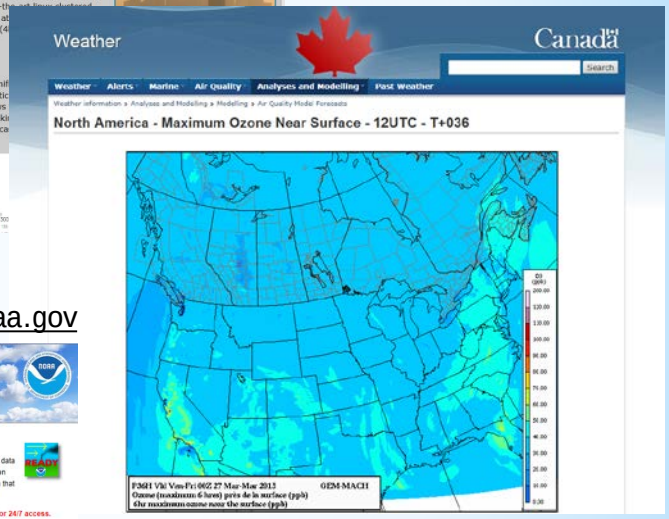
Other useful forecasting webpages:



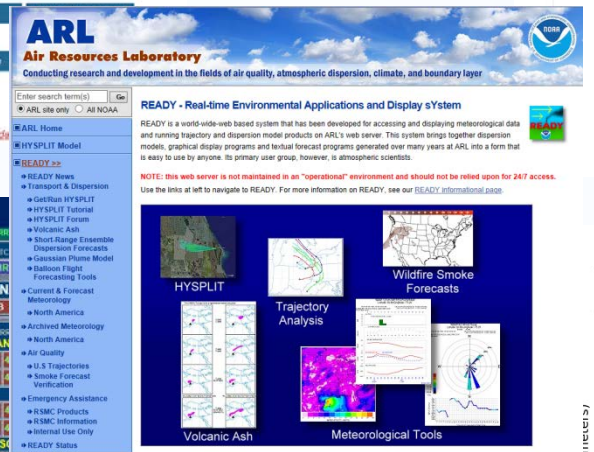
http://www.hazecam.net



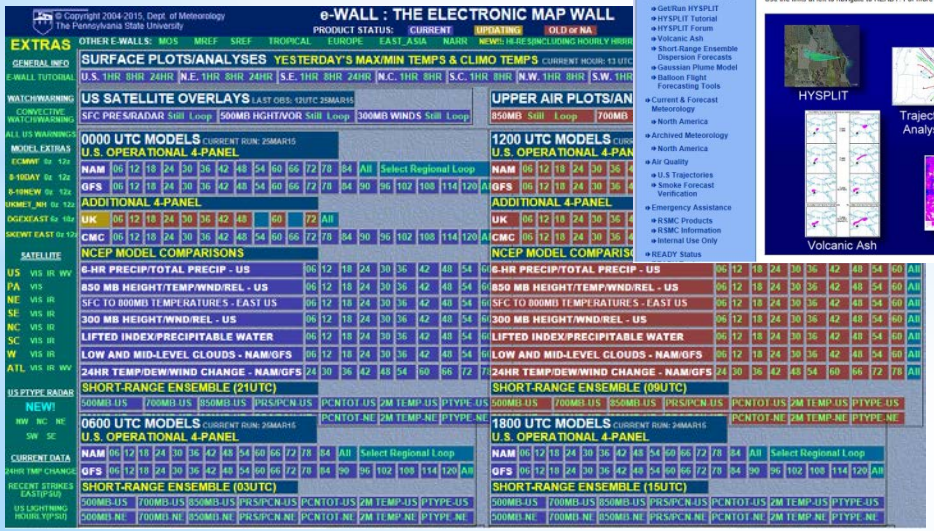
http://spock.geosc.uh.edu



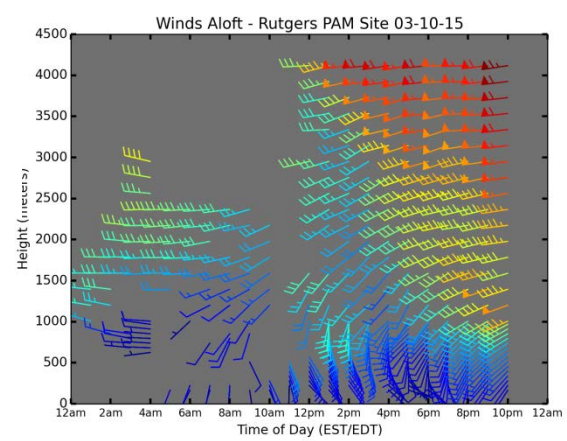
https://weather.gc.ca/aqfm/



https://www.ready.noaa.gov



PSU
e-Wall



http://pamsite.rutgers.edu

If you have any questions or would like more information on Air Quality Forecasting, please contact me at:

Greg John
609-633-1106
greg.john@dep.nj.gov