

## AMQA Real Time Monitoring Quick Website Introduction:

1. Navigate to the Real-Time Air Monitoring or Alaska Air Quality Index(AQI) webpage <http://dec.alaska.gov/Applications/Air/airtoolsweb/Aq/>
2. The AQI page shows the EPA calculated AQI value (example for PM2.5: a 12 hour weighted average of PM2.5 concentrations). Important information on the status of the sites may be put in the gray box above the station list (in this case the location of the RAMS trailer has been added).

### Alaska Air Quality Index (AQI) 7/6/2015 9:00 AM

The **FNSB RAMS** trailer has been set up at the **Eielson AFB Clinic** in order to provide more smoke monitoring coverage for Fairbanks North Star Borough during wildfire season.

Address: 354th Medical Group, 2630 Central Ave #3349, Eielson AFB, AK 99702

Lat/Long: 64.672603, -147.082926

Station Name	PM <sub>2.5</sub>	PM <sub>10</sub>	O <sub>3</sub>	CO	SO <sub>2</sub>	NO <sub>2</sub>
<b>Southeast Alaska (Juneau)</b>						
Floyd Dryden	55					
<b>Southcentral Alaska (Anchorage &amp; Mat-Su)</b>						
Garden	43	No Data*				
Parkgate	42	21				
Butte	0	3				
Palmer	18	13	2			
<b>Interior Alaska (Fairbanks &amp; North Pole)</b>						
FNSB NCORE	87	52	1	5	5	7
FNSB RAMS	85					
North Pole Fire	80					

**Disclaimer**  
Alaska AQI will not always match [AirNow](#) AQI as the timing of receipt of the raw data is different.

#### Health Effect Categories

Hazardous	301 - 500
Very Unhealthy	201 - 300
Unhealthy	151 - 200
Unhealthy for Sensitive Groups	101 - 150
Moderate	51 - 100
Good	0 - 50
No Data	

[Explanation of Categories](#)

\*No Data\* - Data are not currently available; a monitor is down and/or experiencing technical difficulty.

3. Scroll down to read the preliminary data warning or to request data directly from the Air Monitoring and Quality Assurance Program staff.

**Preliminary Data Warning:** The information presented is the first available data from our air monitoring network. The values have not been verified for accuracy or been through the appropriate quality assurance and control validation procedures. The data are in Alaska Standard Time format with no adjustment for Daylight Savings Time. This means that the current (new) concentrations will appear to be 1 hour behind present time during Standard Time and 2 hours behind present time during Daylight Savings Time.

**Requests for this page:** Data requests will be processed within 3 to 5 business days depending on the size of the request.

To make a data request or comment on the website, contact us.

Via Email:  
[amqa-data-request@alaska.gov](mailto:amqa-data-request@alaska.gov)

Or

Via Mail:  
State of Alaska DEC  
619 E. Ship Creek Ave  
Suite 249  
Anchorage, AK 99501

4. Note that a site shows up as underlined when the mouse is hovered over it. This indicates a website link exists. Select on any of the sites by clicking on the site name; in this case I'll do NCore.

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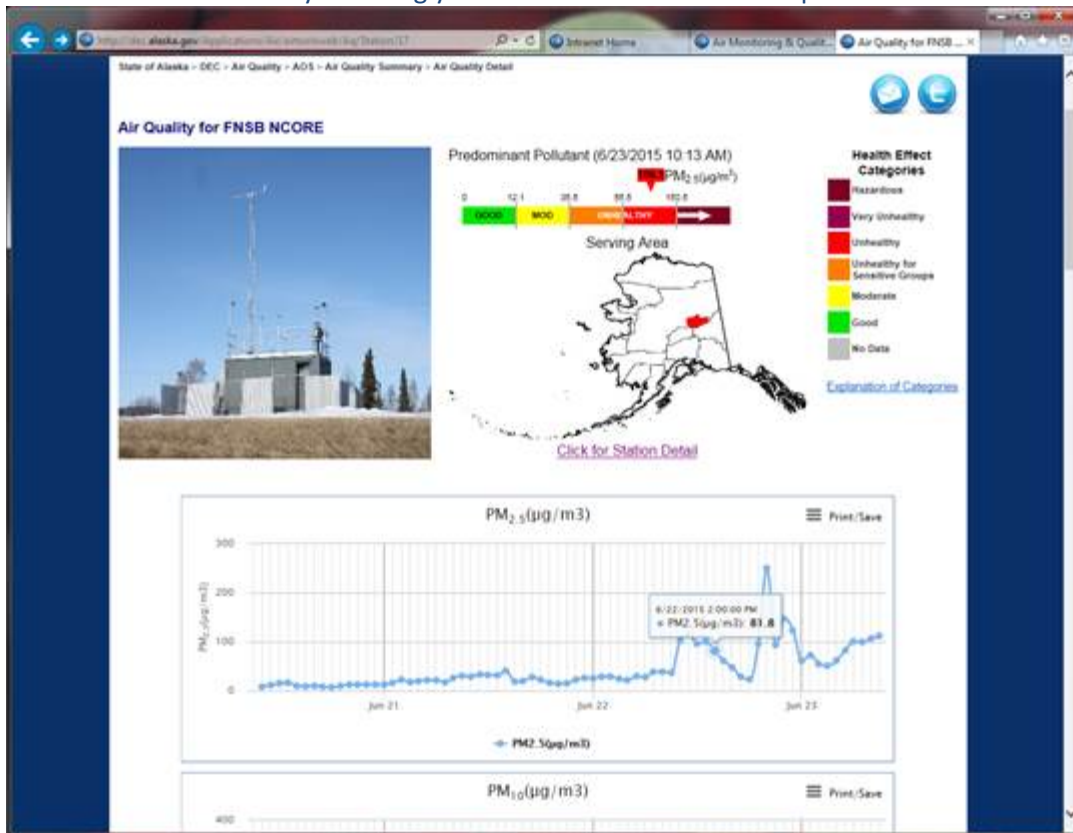
**Health Effect Categories**

- Hazardous 301 - 500
- Very Unhealthy 201 - 300
- Unhealthy 151 - 200
- Unhealthy for Sensitive Groups 101 - 150
- Moderate 51 - 100
- Good 0 - 50
- No Data

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5. The first graph shows the smoke from fires arriving on June 22, 2015. You can see individual concentrations by hovering your mouse over an individual point.



6. You can scroll down to see trends for all of the parameters measured at a site.



7. A third level of the website presents information on the individual site (including pictures, address, pollutants measured etc...). Select **Click for Station Detail**.

This screenshot displays a website interface for an air quality station. On the left is a photograph of the monitoring station, a metal structure with various sensors and a tall mast. To the right is a map of Alaska with a red dot indicating the station's location. Below the map is a button labeled 'Click for Station Detail' circled in red. Above the map is a color-coded legend for air quality categories, with a current reading of 29.4  $\mu\text{g}/\text{m}^3$  for PM<sub>2.5</sub>. The legend categories are: Hazardous (dark red), Very Unhealthy (red), Unhealthy (orange), Unhealthy Sensitive (light orange), Moderate (yellow), Good (green), and No Data (grey). A partial line graph for PM<sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ ) is visible at the bottom, showing a peak of 150.

8. This is an example of the NCore station detail page.

The screenshot shows a web browser window displaying the 'Station Details for FNSB NCore' page on the Alaska Department of Environmental Conservation's website. The page features a navigation bar at the top with links for 'myAlaska', 'My Government', 'Resident', 'Business in Alaska', 'Visiting Alaska', and 'State Employees'. Below this is the 'Division of Air Quality' header with a search bar and a breadcrumb trail: 'State of Alaska > DEC > Air Quality > AQS > Air Quality Summary > Air Quality Detail > Station Details'. The main content area is divided into several sections: a metadata table on the left, a large central photograph of the monitoring station, a 'Station Image' section with a thumbnail, and a grid of directional views (North, East, South, West) under the heading 'View of Site' and 'View from Site'. The metadata table lists the following information:

Station Name	<b>FNSB NCore</b>
Location	<b>925 Pioneer Rd</b>
Region	<b>FAIRBANKS</b>
Owner	<b>FNSB</b>
Purpose	<b>AIR QUALITY</b>
Latitude	<b>64.8458</b>
Longitude	<b>-147.72727</b>
Established	<b>12/28/2010</b>
Notes	

Below the metadata table is a section titled 'Monitors/Pollutants:' which lists the following parameters:

- PM<sub>2.5</sub>(µg/m<sup>3</sup>)
- PM<sub>10</sub>(µg/m<sup>3</sup>)
- O<sub>2</sub>(ppm)
- CO(ppm)
- SO<sub>2</sub>(ppb)
- NO<sub>2</sub>(ppb)
- Wind Speed
- Wind Direction
- Temp

The central photograph shows a tall monitoring tower with various instruments, situated in an open field. To the right of the main image is a 'Station Image' section with a small thumbnail. Below this are two columns of directional views: 'View of Site' and 'View from Site', each containing four small images labeled 'North', 'East', 'South', and 'West'. The footer of the page includes 'AQS Help Documentation & Forms', 'Air Online Services System Revised: 8/13/2013 4:30 PM', 'AQS Browser Requirements', and a copyright notice: 'State of Alaska | © 2011 | Webmaster'.