

AgileWeb! For AirVision

Agileweb! for AirVision™ fulfills three roles for air quality data- first, it provides a detailed public information system by which residents can easily see real-time air quality data as well as review historical air quality data through easy to generate reports and graphs. Secondly, AgileWeb offers a password-protected web interface for common functions by users outside of the normal monitoring group, such as entry of AQI forecasts and data editing/approval (say, by lab data or air toxics groups).

Third, and most importantly, AgileWeb offers a full two-way system for importing and exporting AQS data (both text and XML 2.0 format), allowing full interface to NEIEN Exchange Nodes, as well as providing accessible data to entities that may not have normal access to an Exchange Node. AgileWeb is unique in this capability from other web interfaces to data management systems.

Functions

- *Central Navigator / Map Overlay* - a central map presents the public with a “one place” view of air quality conditions in the district, showing each site as a color-coded marker (colors tied to AQI), with the AQI value on the screen next to it, or using a “mouse rollover” pop-up showing the responsible pollutant. The user can click on the site to reach the Site Specific Display and navigate from there to other reports. The map is overlaid on a standard BMP or JPG file, and operates as a single web site control within the customer’s existing web site frames.



Example of "mouse rollover" showing responsible parameter/concentration

County of San Diego

Services | Living | Working | Visiting | Government

home help search

Climate Zones: All

AIR POLLUTION CONTROL DISTRICT

Responsible Parameter
Ozone (40 ppb)

AQI Colors

- Good
- Moderate
- Unhealthy for Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous

AQI History 06/17/2007 12:00

Board of Supervisors | Elected Officials | Jobs | Web Policies | Contact Us | Forgotten Password | Login

Tabular Network Air Display – An “overlay” report can be requested to show the AQI values for the entire network or a sub-region (“climate zone”) in tabular form, complete with color-coded display of the AQI values, values of each constituent parameter, and text description of the health effect level and at risk groups.

County of San Diego

Services | Living | Working | Visiting | Government

home help search

AIR POLLUTION CONTROL DISTRICT

Climate Zones: All

Site	AQI	Description	Responsible Pollutant	Activity Caution	Risk Groups	forecast
Alpine	80	good	Ozone	No health impacts are expected		Ozone (AQI 20)
Escondido	200	hazardous	Ozone	Everyone should remain indoors	Everyone	Ozone (AQI 10)
Oceanside	50	moderate	PM2.5	Unusually sensitive people should consider reducing prolonged aor heavy exertion	People with respiratory ailments	Ozone (AQI 10)
Del Mar	600	unhealthy	Ozone	Everyone should remain indoors	Everyone	Ozone (AQI 20)
San Diego	120	sensitive	Ozone	Asmtatics should consider reducing strenuous activities.	People with high sensitivity to exertion	Ozone (AQI 10)
Otay Mesa						???

San Diego

AQI History 06/17/2007 12:00

Board of Supervisors | Elected Officials | Jobs | Web Policies | Contact Us | Forgotten Password | Login

- *Site Specific Display* – Hyperlinks to site names would link to a page for each page to display the latest value of all pollutants, AQI for the previous X hours, site picture, details of instruments and monitored pollutants, location, and any other narrative details of the site desired. The brown box is for a site picture.





County of San Diego



Services | Living | Working | Visiting | Government
home help search



AIR POLLUTION CONTROL DISTRICT

[Back to Map](#) - [AQI History](#)
[admin](#)
[Monitored Parameters:](#)
unknown

San Diego

120 x 120

Location: unknown

City: unknown

Owner: Frank

Region: unknown

Number of Channels: unknown

Hour	AQI	Description	Responsible Pollutant	Activity Caution	Risk Groups
00:00	120	sensitive	Ozone	Asmatics should consider reducing strenuous activities.	People with high sensitivity to exertion
01:00	10	good	Ozone	No health impacts are expected	
02:00	10	good	Ozone	No health impacts are expected	
03:00	40	moderate	PM2.5	Unusually sensitive people should consider reducing prolonged aor heavy exertion	People with respiratory ailments
04:00	30	good	Ozone	No health impacts are expected	
05:00	20	sensitive	Ozone	Asmatics should consider reducing strenuous activities.	People with high sensitivity to exertion
06:00	20	moderate	Ozone	Unusually sensitive people should consider reducing prolonged aor heavy exertion	People with respiratory ailments
07:00	10	good	Ozone	No health impacts are expected	
08:00	10	good	Ozone	No health impacts are expected	
09:00	10	good	PM2.5	No health impacts are expected	
Forecast High for Tomorrow	10	good	Ozone	caution	risk groups

Board of Supervisors
Elected Officials
Jobs
Web Policies
Contact Us
Forgotten Password
Login

- Historical Query Tool-** A page would be provided to allow the public to query historical data (AQI or pollutant values) for any parameters from any site based on user-defined time ranges or common selections (e.g., this month, last month, this year, etc.). Parameters will also be available for calculated values of 8-hour ozone and AQI. Values will be able to be reported as a graph, report (HTML, text, or CSV) or in XML (2.0) format per the EPA AQS / XML 2.0 schema.

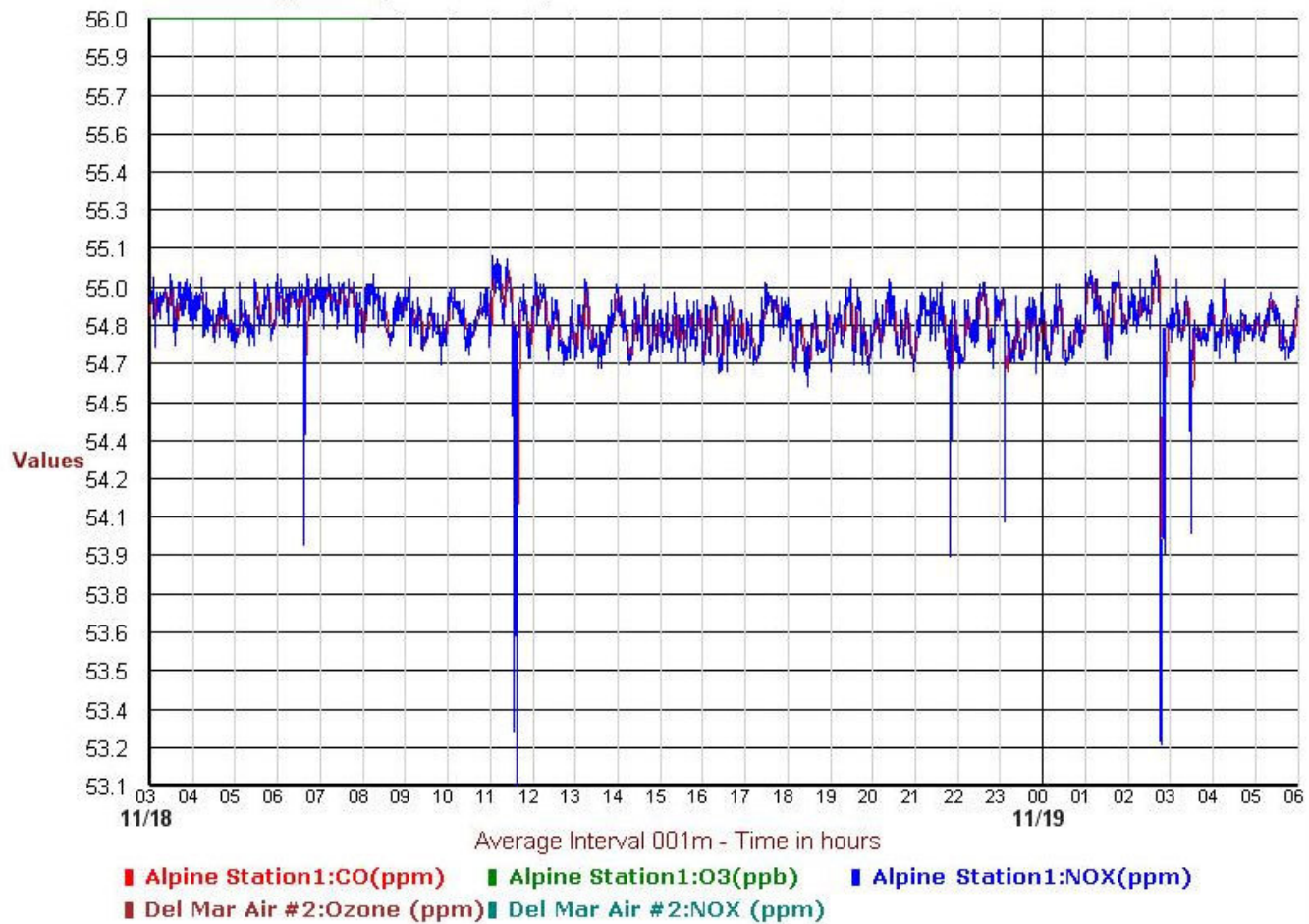
Generated reports would be given the standard “Open/Save” dialog box in the user’s browser.

The screenshot shows the web interface for the County of San Diego Air Pollution Control District. At the top, there are navigation links for Services, Living, Working, Visiting, and Government, along with the County of San Diego logo and a search bar. The main content area is divided into several sections:

- Left Sidebar:** Features the Air Pollution Control District logo and the text "AIR POLLUTION CONTROL DISTRICT".
- Select Site(s):** A dropdown menu with options: Alpine, Escondido, Oceanside, Del Mar, San Diego, and Otay Mesa.
- Select Parameter(s):** A dropdown menu with options: Ozone ppb and PM2.5 ppm.
- Date Selection:** Two calendar pickers for "Select Start Date:" and "Select End Date:", both set to June 2007.
- Select Output Format:** Radio buttons for HTML Table (selected), Graph, XML File (Download), TXT File (Download), and CSV File (Download).
- Generate Report:** A prominent button to execute the query.

At the bottom of the page, there is a footer with links for Board of Supervisors, Elected Officials, Jobs, Web Policies, Contact Us, Forgotten Password, and Login.

AQI History for: Alpine Station1, Del Mar Air



AQI History for: Alpine Station1, Del Mar Air #2,

11/18/2007 12:00 AM - 11/18/2007 9:00 AM

Excel Export

Average 001m	Alpine Station1:CO (ppm)	Alpine Station1:O3(ppb)	Alpine Station1:NOX (ppm)	Del Mar Air #2:Ozone (ppm)	Del Mar Air #2:NOX (ppm)
11/18/2007 12:00					
11/18/2007 12:01					
11/18/2007 12:02					
11/18/2007 12:03					
11/18/2007 12:04					
11/18/2007 12:05					
11/18/2007 12:06					
11/18/2007 12:07	54.83	56	54.75 CPS		
11/18/2007 12:08	54.82	56	54.78		
11/18/2007 12:09	54.81	56 C	54.88		
11/18/2007 12:10	54.82	56 S	54.84		
11/18/2007 12:11	54.82	56 E	54.85		
11/18/2007 12:12	54.85	56 <	54.89		
11/18/2007 12:13	54.88	56 I	54.93		
11/18/2007 12:14	54.89	56	54.93		
11/18/2007 12:15	54.9		54.91		
11/18/2007 12:16	54.92		54.94		
11/18/2007 12:17	54.93		54.95		
11/18/2007 12:18	54.92		54.87		
11/18/2007 12:19	54.9		54.82		
11/18/2007 12:20	54.9		54.82		

Other Pages Of Interest:

Administration pages provide for advanced function, such as:

Entering AQI forecasts:

ForeCast Editor

[admin](#) [map](#) [logout](#) user: mark

Select the Forecast Start Date

January 2008						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Save Forecast Information

Saturday, January 12, 2008		
AQI	Pollutant	Class
	???	???
	???	???
	Chan1	Good
200	Chan8	Unhealthy
	???	???

Sunday, January 13, 2008		
AQI	Pollutant	Class
20	Chan16	Moderate
20	Ozone	Moderate
10	Chan1	Unhealthy
10	Chan8	Unhealthy 1
10	Chan1	Good

Monday, January 14, 2008		
AQI	Pollutant	Class
200	Chan17	Unhealthy 1
	???	???
	???	???
	???	???
	???	???

Importing data (from AQS or XML format)

Administration

[admin](#) [map](#) [logout](#)

user: mark

[Forecast Editor](#) Enter Forecast Information for the coming days

[Site Editor](#) Edit the AQI Display specific Site Information

[Data Editor](#) Edit the AirVision Data


[Import Data](#) Import AQS 2.0 and Lab Data

and configuring site information for the web site (data that does not exist in AirVision):



Services | Living | Working | Visiting | Government

home help search



AIR POLLUTION CONTROL DISTRICT

Site Editor

[admin](#) [map](#) [logout](#) user: mark

	SiteId	SiteName	Description	X	Y	ClimateZone	Display
Select	1	Alpine Station 1	my test 2	390	392	Artic	<input checked="" type="checkbox"/>
Select	4	Del Mar Air #2	test	150	281	Temperate	<input checked="" type="checkbox"/>
Select	5	San Diego		140	330	Temperate	<input checked="" type="checkbox"/>
Select	6	Otay Mesa 2		290	430	Artic	<input checked="" type="checkbox"/>
Select	7	Oceanside 5		80	76	Temperate	<input checked="" type="checkbox"/>

Editing: Alpine Station 1

X -	<input type="text" value="390"/>	(left - right) 0 - 615
Y -	<input type="text" value="392"/>	(top - bottom) 0 - 407
Site Image Path	<input type="text" value="~/Images/StationImages/alpineStation.jpg"/>	
Climate Zone	Artic	
ArbLink	<input type="text" value="http://www.arb.ca.gov/qaweb/siteformap.php?s_arb_code=80128"/>	
Display	<input checked="" type="checkbox"/>	
Update Cancel		



[Board of Supervisors](#) | [Elected Officials](#) | [Jobs](#) | [Web Policies](#) | [Contact Us](#) | [Forgotten Password](#) | [Login](#)