APPENDIX C
PUBLIC INFORMATION AND OTHER NOTICES

FIGURE C-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

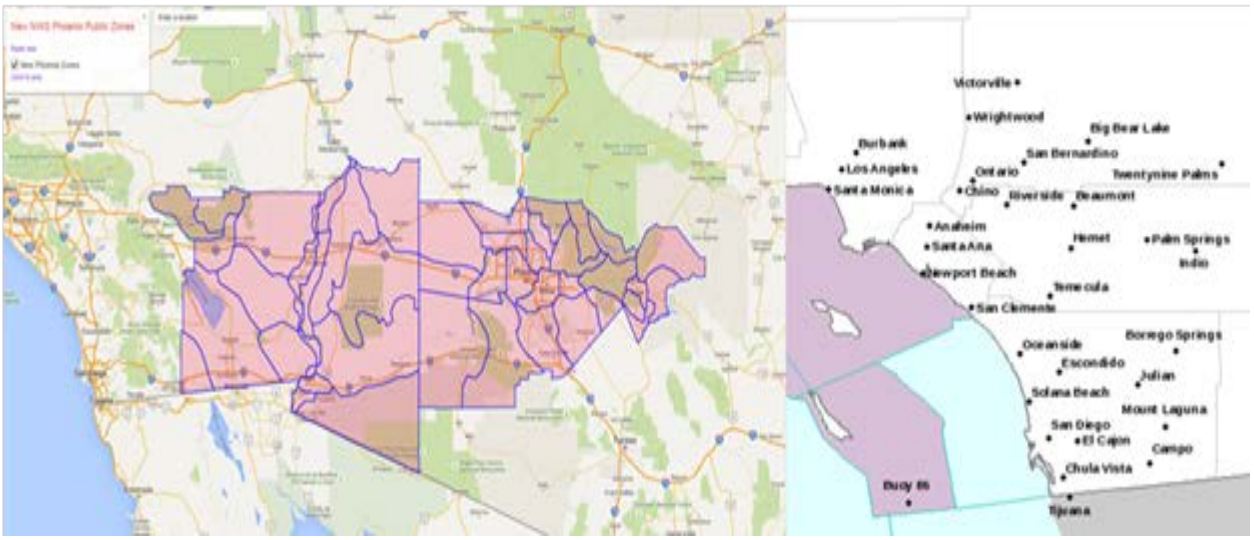


Fig C-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE C-2
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

June 26 2018	
Be Advised	
High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.	
Potential increases in PM_{10} concentrations may increase to moderate or unhealthy level.	
Imperial County Weather Synopsis	
IMPERIAL COUNTY WINDS: Most of Imperial County will see light to moderate south-to-southwest winds of 5-15 mph. The western and southwestern portions of the county will experience slightly higher winds up to 15 to 25 mph, with breezy conditions increasing Tuesday night into Wednesday. **WEATHER SAN DIEGO OFFICE** High pressure aloft will continue through Wednesday, bringing warmer weather and less coastal low clouds. Low pressure returns after midweek, bringing cooler weather into the weekend, a deeper marine layer, and breezy conditions will develop in the mountains and deserts each afternoon and evening. As the upper trough retreats to the north, the weather will turn warmer again early next week with less extensive coastal clouds. **SAN DIEGO COUNTY DESERTS** TUESDAY winds east 15 to 20 mph with gusts to 30 mph and tonight winds west 15 to 25 mph with gusts to 35 mph. WEDNESDAY winds west 15 to 25 mph. Gusts to 25 mph, becoming 35 mph in the afternoon, and 15 to 25 mph with gusts to 40 mph during the night. THURSDAY areas of winds west 15 to 25 mph with gusts to 35 mph becoming 40 mph in the afternoon. **WEATHER PHOENIX OFFICE** Temperatures a few degrees above normal will exist today and Wednesday as high pressure rebuilds over the Southwest. A very minor cool down will occur Thursday into the weekend due to a shortwave trough moving across the western states and the weakening of the high pressure aloft. The resulting increase in southwesterly flow will bring breezy conditions on both Thursday and Friday, along with a slight cooling trend closer to seasonal normals. Moisture may begin slowly moving into southeast Arizona Friday and this weekend, but south-central Arizona is currently expected to remain dry for the time-being.	
Weather Story Phoenix Station	**Weather Story San Diego Station**

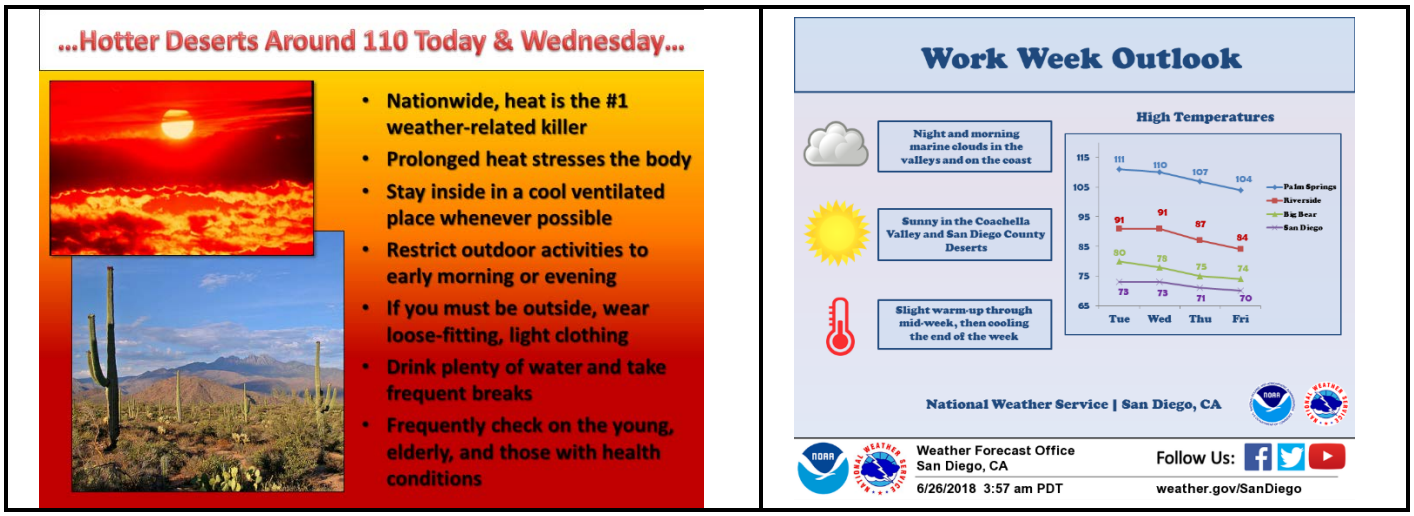


Fig C-2: A copy of the ICAPCD webpage advisory

FIGURE C-3
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

June 27 2018

Be Advised

High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.

Potential increases in PM_{10} concentrations may increase to moderate or unhealthy level.

Imperial County Weather Synopsis

IMPERIAL COUNTY

WINDS: Breezy conditions will exist on Thursday afternoon, with gusts of 20-30 mph, perhaps enough to generate some localized blowing dust over southeast California.

On Wednesday, June 27, most of Imperial County will see light to moderate south-to-southwest winds of 5-15 mph. The western and southwestern portions of the county will experience slightly higher winds up to 10 to 20 mph, with gusts up to 30 mph in the southwest portion of the county.

THURSDAY: Winds will increase on Thursday, June 28. Winds over most of the county will be from the southwest at 10 to 25 mph, with gusts up to 30 mph by the afternoon. The western and southwestern portions of the county will experience slightly higher winds and gusts. The southwest portion of the county will have winds up to 25 mph, with gusts up to 35 mph. Winds could generate blowing dust.

WEATHER SAN DIEGO OFFICE

High pressure aloft will continue seasonally warm to hot weather for inland areas today while the marine layer and onshore flow keeps coastal areas cooler with night and morning coastal low clouds extending into portions of the western valleys. For Thursday through the weekend a trough of low pressure will move inland through the western states. This will strengthen the onshore flow across Southern California spreading cooling inland and deepening the marine layer into the far inland valleys. For early next week low pressure will weaken with inland warming and with the marine layer becoming a little shallower. The onshore flow will bring periods of gusty southwest to west winds in the mountains and deserts mainly during the late afternoon through late evening each day.

SAN DIEGO COUNTY DESERTS

WEDNESDAY: Areas of winds west 15 to 20 mph. Gusts to 30 mph becoming 35 mph in the afternoon. Night time will have areas of winds west 15 to 25 mph with gusts to 35 mph. THURSDAY: Areas of winds west 15 to 25 mph. Gusts to 35 mph becoming 40 mph in the afternoon. The night will have areas of winds west 15 to 25 mph with gusts to 40 mph. FRIDAY: Areas of winds west 15 to 20 mph with gusts to 30 mph.

WEATHER PHOENIX OFFICE

Another day of above-normal temperatures are expected today as temperatures approach 110 degrees for the warmest locations. Breezy conditions will exist on Thursday afternoon, with gusts of 20-30 mph, perhaps enough to generate some localized blowing dust over southeast California. A very minor cool down will occur heading into the weekend. Moisture may begin slowly moving into southeast Arizona Friday and this weekend, but south-central Arizona is currently expected to remain dry for the time-being.

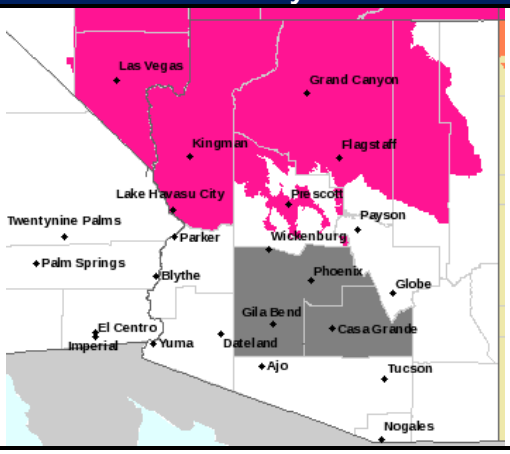
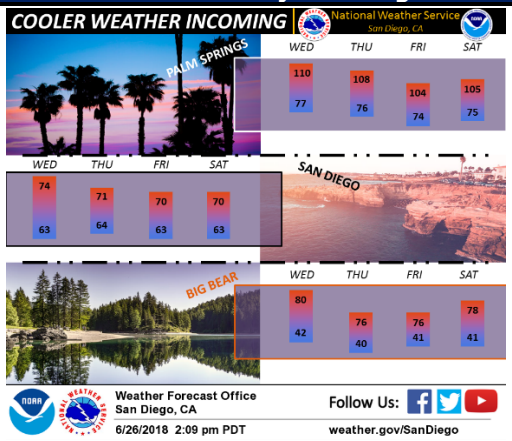
Weather Story Phoenix Station	Weather Story San Diego Station
	

Fig C-3: A copy of the ICAPCD webpage advisory

FIGURE C-4
NOAA SMOKE TEXT PRODUCT JUNE 28, 2018 1830 PST (Pg 1)

Thursday, June 28, 2018

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE
IMAGERY THROUGH 0230 UTC June 28, 2018.

NESDIS IS INVESTIGATING THE UTILITY OF THIS TEXT NARRATIVE. IF YOU FIND THIS PRODUCT VALUABLE, PLEASE SEND AN EMAIL RESPONSE TO THE FOLLOWING ADDRESS INDICATING HOW YOU AND/OR YOUR AGENCY USE THE INFORMATION. THANK YOU. SEND EMAIL RESPONSE TO SSDFireTeam@noaa.gov.

SMOKE:
Western and Central US...
An area of moderately dense to thick smoke emanating from the West Valley Fire in southwestern Utah spread to the northeast across Wyoming, Montana, and the Dakotas. A second wildfire downwind from the West Valley Fire was also producing thick smoke this afternoon and evening adding to the aforementioned smoke plume.

Moderately dense to thick smoke from the Spring Valley Fire in south central Colorado extended to the east and northeast affecting the Front Range, the Northern Great Plains and Northern Mississippi Valley. Again, a second fire in southwestern Colorado was adding to this plume and the plume from the Utah fires.

A much larger surrounding mass of thin density smoke attributed to the above mentioned fires as well as other wildfires burning in the Southwestern US and California had made its way as far north as the U.S.-Canadian border, as far east as the Upper Peninsula of Michigan, and as far southeast as central Oklahoma and the St. Louis area. This was moving clockwaise around a ridge over the central U.S.

ArkLaTex/southern Oklahoma...
Numerous fires across northern Texas and across the ArkLaTex region were observed producing mainly thin smoke that was moving north. However, two or three fires were producing thicker smoke. One in particular in north-central Texas was producing thick smoke. Also over the ArkLaTex is a layer of remnant smoke that is mostly thin with some slightly thicker smoke embedded within. Much of this smoke was moving north.

Southern Canada...
Across much of the southern half of Canada, varying density smoke was present. The region of smoke begins in west-central Alberta with a wildfire that is producing moderate density smoke. This is the first of many contributors to the area(s) of smoke extending the rest of the way east across southern Canada.

A small amount of smoke is contributed by wildfires across Saskatchewan, but the largest contributor of smoke in Canada are wildfires across eastern Manitoba and western and central Ontario. Thick smoke was emanating from nearly a half dozen wildfires in this area. The thickest smoke extended from this vicinity across Ontario.

Further east, the smoke is lighter, but a wildfire in southern Quebec was contributing thick smoke as well, allowing the stripe of smoke to extend off the

FIGURE C-4
NOAA SMOKE TEXT PRODUCT JUNE 28, 2018 1830 PST (Pg 2)

Newfoundland coast out to about Greenland.

DUST:
Atlantic/Caribbean/Gulf of Mexico/Mexico/Eastern Pacific...
A very large area of Saharan dust was noted slowly spreading to the west across the Atlantic and over the Caribbean including Puerto Rico, Jamaica, south of Cuba, and south of Hispaniola, much of Central America, southeastern Mexico, the southern and central Gulf of Mexico, and the far eastern Pacific Ocean.

Southwestern US/Northwestern Mexico...
Across much of southern California, southern Arizona, northern Baja California, and northwestern Sonora, blowing dust was observed this evening. The major sources of dust were the Rio Concepcion River valley in northwestern Sonora, areas south of the agricultural region in northern Baja California, and the Anzo-Borrego Desert south and west of the Salton Sea, with minor sources from other valleys in southern California. The dust closest to the Gulf of California was moving north, while further north and northeast, the dust was moving off toward the east.

Hosley

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE. TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg
GIS: ftp://satpsanone.nesdis.noaa.gov/FIRE/HMS/GIS/
KML: http://www.ospo.noaa.gov/data/land/fire/fire.kml (fire)
http://www.ospo.noaa.gov/data/land/fire/smoke.kml (smoke)
ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Fig C-4: NOAA Smoke Text Product for June 28, 2018
https://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2018/2018F290546.html

FIGURE C-5
AIR QUALITY INDEX

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig C-5: The Air Quality Index AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source: https://airnow.gov/index.cfm?action=aqibasics.aqi

FIGURE C-6
DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Thursday, June 28, 2018

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	79	SSE 8	10
8 AM	83	SE 10	10
9 AM	88	SE 8	10
10 AM	94	E 7	10
11 AM	96	SE 7	10
NOON	100	ESE 10	10
1 PM	102	ESE 8	10
2 PM	107	ESE 9	10
3 PM	108	ESE 7	10
4 PM	108	ESE 11	10
5 PM	109	SE 13	10
6 PM	109	SE 10	10
7 PM	106	SE 14	10
Max. Temperature yesterday was 109 degrees			

Today's Mt. Signal Visibility at 7:30 AM Hazy NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 108

	Local Forecast (Issued 8 AM Local)		Computer Forecast (RUC 40KM 12Z)	
Est. Time Mixing Height reaches 3000 feet			10:00 am	
Forecast of Maximum Mixing Height		feet	8914	feet
Forecast for Morning surface winds	WSW 5-10	mph	WSW 5-10	mph
Forecast for afternoon surface winds	WSW 10-15	mph	WSW 10-15	mph
Forecast for evening surface winds	WSW 10-15/G25	mph		
Forecast 10 AM - 3 PM transport winds	6-14	mph		

Comments/Complaints: Marginal Burn only.

Burn Hours 10-3 ARB No Burn Day _____ District called No Burn Day _____
Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int WB

Fig C-6: Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "Partial Burn" day on June 28, 2018

FIGURE C-7
IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of genera circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

09/20 .

all in the year 2019

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

SIGNATURE

Name of Account: I C AIR POLLUTION CONTROL
Order Number: 11324960
Ad Number: 31574362

* Printer, Foreman of the Printer, or Principal Clerk of the Printer
Date: 21 st day of September, 2019.
at El Centro, California.

This space is for the County Clerk's Filling Stamp:

AIR POLLUTION CONTROL DISTRICT

NOTICE OF AVAILABILITY
OF THE DEMONSTRATION OF THE OCCURRENCE
OF SEVEN EXCEPTIONAL EVENTS (EE)

The Imperial County Air Pollution Control District (Air District) has prepared seven Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a continuous Federal Equivalent Method monitor (FEM) are the seven Draft EE's.

June 23, 2018
Niland-163 µg/m3;

June 28, 2018
Niland-173 µg/m3;

July 9, 2018
Brawley-230 µg/m3; Calexico-307 µg/m3; El Centro-256 µg/m3; Niland-181 µg/m3; Westmorland-185 µg/m3;

August 20, 2018
El Centro-162 µg/m3

October 3, 2018
Westmorland-169 µg/m3

October 6, 2018
Brawley-181 µg/m3

November 29, 2018
Niland-331 µg/m3;
Westmorland-296 µg/m3;

The public and all interested parties are encouraged to review and comment on the seven Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2018 Air District air monitors were affected by transported elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event suspended and transported PM10 into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The seven Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is October 20, 2019 by close of business.

The seven Draft EE's for the days listed above are available for download at the Air District website at https://apcd.imperialcounty.org/public-notices/ (under Public Notices; Exceptional Events). To view a hard copy of any of the seven Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Souci
L163 S15

Fig C-7: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for June 28, 2018. The date for closing comments was October 25, 2019

FIGURE C-8
IMPERIAL COUNTY COMMENTS REGARDING THE JUNE 28, 2018 EE DEMONSTRATION

No Comments Received