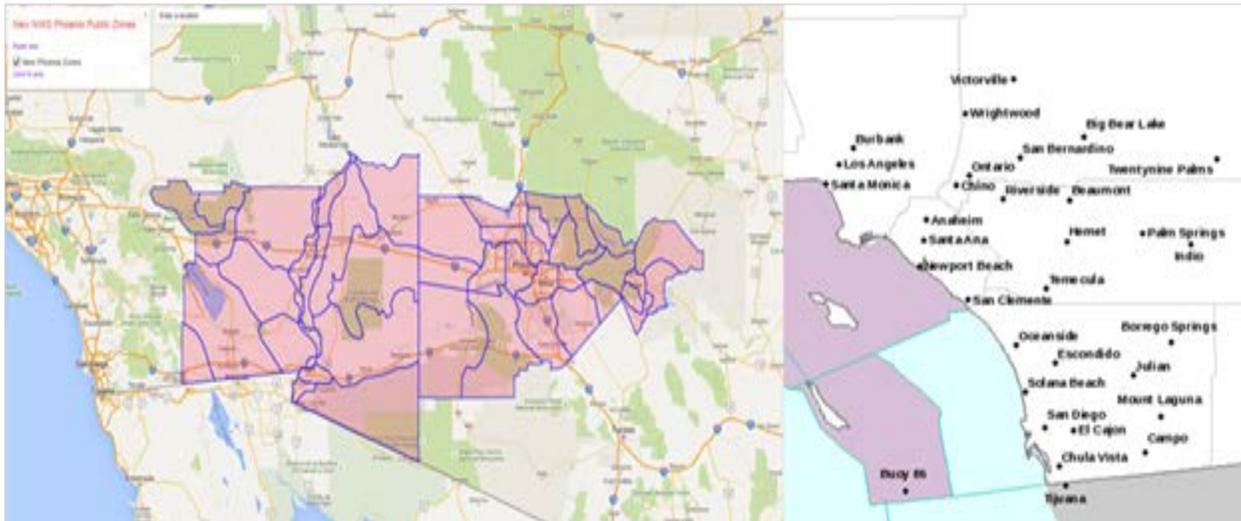


## APPENDIX C PUBLIC INFORMATION AND OTHER NOTICES

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.

<b>August 20 2018</b>	
<b>Be Advised</b>	
<p><b>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.</b></p> <p align="center"><b>Potential increases in PM<sub>10</sub> concentrations may increase to moderate or unhealthy level.</b></p>	
<b>Imperial County Weather Synopsis</b>	
<p><b>IMPERIAL COUNTY</b> Winds will range from the southeast to south to southwest with winds 10-20 mph.</p> <p><b><u>WEATHER SAN DIEGO OFFICE</u></b> Southwestern California will be on the western fringe of a more substantial influx of monsoonal moisture into southern Arizona on Tuesday. This will bring a slight chance of thunderstorms this afternoon and early evening and again Tuesday afternoon, mainly along the desert slopes of the mountains of Riverside and San Diego Counties. Onshore lower level flow and drier southwest flow aloft will then prevail for much of the week. Areas of night and morning coastal low clouds and fog will spread into the western valleys at times. There will be gusty southwest to west winds in the afternoon and evening in the mountains and deserts for the latter half of the week.</p> <p><b><u>WEATHER PHOENIX OFFICE</u></b> Above normal temperatures are expected again today across the region. Highs over the lower deserts will range between 105 and 110 degrees with the warmest readings over southeast California. Substantial moisture returns to the region starting tonight with shower and thunderstorm chances returning on Tuesday. Storm chances remain across south central Arizona through the rest of the week, but will mostly be focused across the higher terrain north and east of Phoenix.</p> <p><b><u>FORECAST INFORMATION FROM MEXICO</u></b> A tropical wave will move over the southeastern and eastern Mexico, a region of higher atmospheric instability will cover the western part of the territory, together with the entry of warm, moist air from both oceans, cause the following potential rains, which will be accompanied by electrical activity and strong gusts of wind that can exceed 50 km in Baja California, Baja California Sur, Sonora, Guerrero, Oaxaca, Chiapas, Chihuahua, Coahuila, Nuevo Leon, Durango, San Luis Potosi and Tamaulipas, as well as on the coasts of Campeche, Quintana Roo and Yucatán.</p>	
<b>Weather Story Phoenix Station</b>	<b>Weather Story San Diego Station</b>

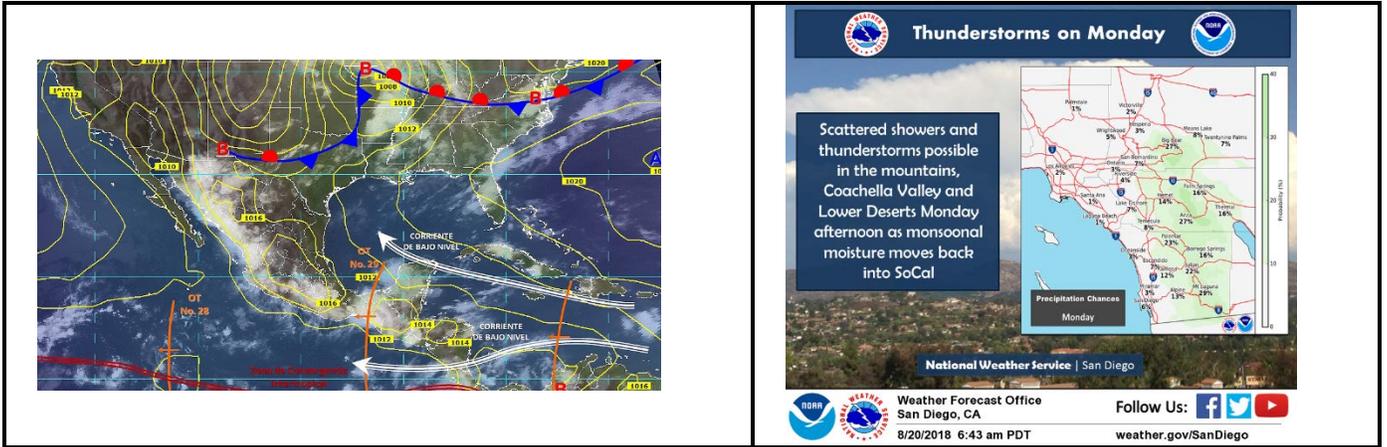


Fig C-2: A copy of the ICAPCD webpage advisory for August 20, 2018

**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.

**August 20 2018**

**Be Advised**

High wind levels have the potential to suspend particulate matter into the air. High levels of PM<sub>10</sub> 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<sub>10</sub> concentrations may increase to moderate or unhealthy level.**

**Imperial County Weather Synopsis**

### **IMPERIAL COUNTY**

Winds will range from the southeast to south to southwest with winds 10-20 mph. The southeast portion of the county will see south winds of 10-20 mph with gusts of 30 mph in the evening. The southwest portion of the county will see southwest winds of 15-25 mph with gusts to 35 mph in the evening.

### **WEATHER SAN DIEGO OFFICE**

UPDATED FORECAST:

A thunderstorm complex in Sonora tonight will turn into an easterly wave that moves northward into Arizona Tuesday. Most of the thunderstorm action will stay in Imperial Valley or Arizona, but we're close enough on its western fringes to mention a small chance of thunderstorms over our lower desert and eastern slopes of the mountains.

Southwestern California will be on the western fringe of a more substantial influx of monsoonal moisture into southern Arizona on Tuesday. This will bring a slight chance of thunderstorms this afternoon and early evening and again Tuesday afternoon, mainly along the desert slopes of the mountains of Riverside and San Diego Counties. Onshore lower level flow and drier southwest flow aloft will then prevail for much of the week. Areas of night and morning coastal low clouds and fog will spread into the western valleys at times. There will be gusty southwest to west winds in the afternoon and evening in the mountains and deserts for the latter half of the week.

### **WEATHER PHOENIX OFFICE**

UPDATED FORECAST:

Substantial moisture returns to the region this evening bringing a chance of showers and thunderstorms to all areas of south-central AZ tonight through Tuesday. The upper level flow pattern then shifts to the southwest on Wednesday bringing some drying and lower grade monsoon conditions Thursday and Friday. Storm chances will remain across portions of south-central Arizona during this period but will mostly be focused across the higher terrain north and east of Phoenix.

There is excellent agreement between mesoscale models that deep convection will begin over southern AZ/northern Sonora this afternoon, aided by the increase in moisture, and then subsequently send an outflow

boundary to the north towards Phoenix around 8 pm this evening. New convection could fire off on this outflow as it moves northwest but should also weaken as it does so.

**FORECAST INFORMATION FROM MEXICO**

A tropical wave will move over the southeastern and eastern Mexico, a region of higher atmospheric instability will cover the western part of the territory, together with the entry of warm , moist air from both oceans, cause the following potential rains, which will be accompanied by electrical activity and strong gusts of wind that can exceed 50 km in Baja California, Baja California Sur, Sonora, Guerrero, Oaxaca, Chiapas, Chihuahua, Coahuila, Nuevo Leon, Durango, San Luis Potosi and Tamaulipas, as well as on the coasts of Campeche, Quintana Roo and Yucatán.

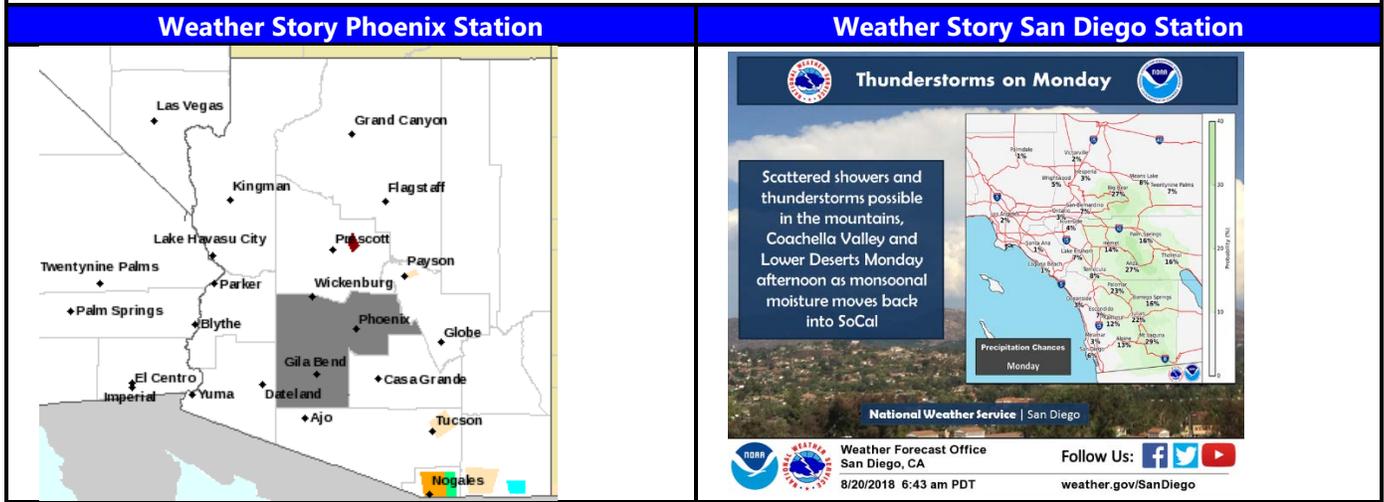
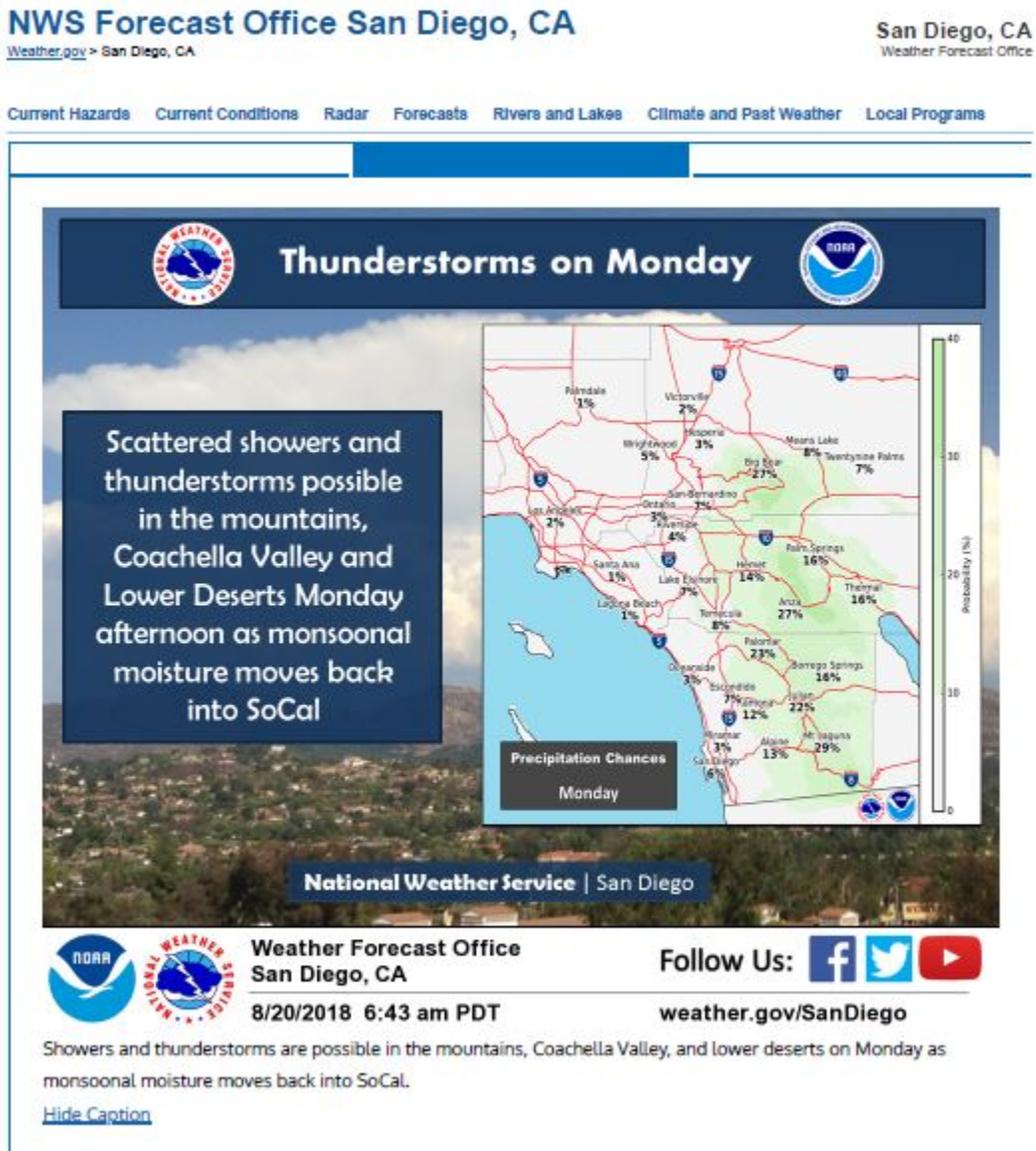


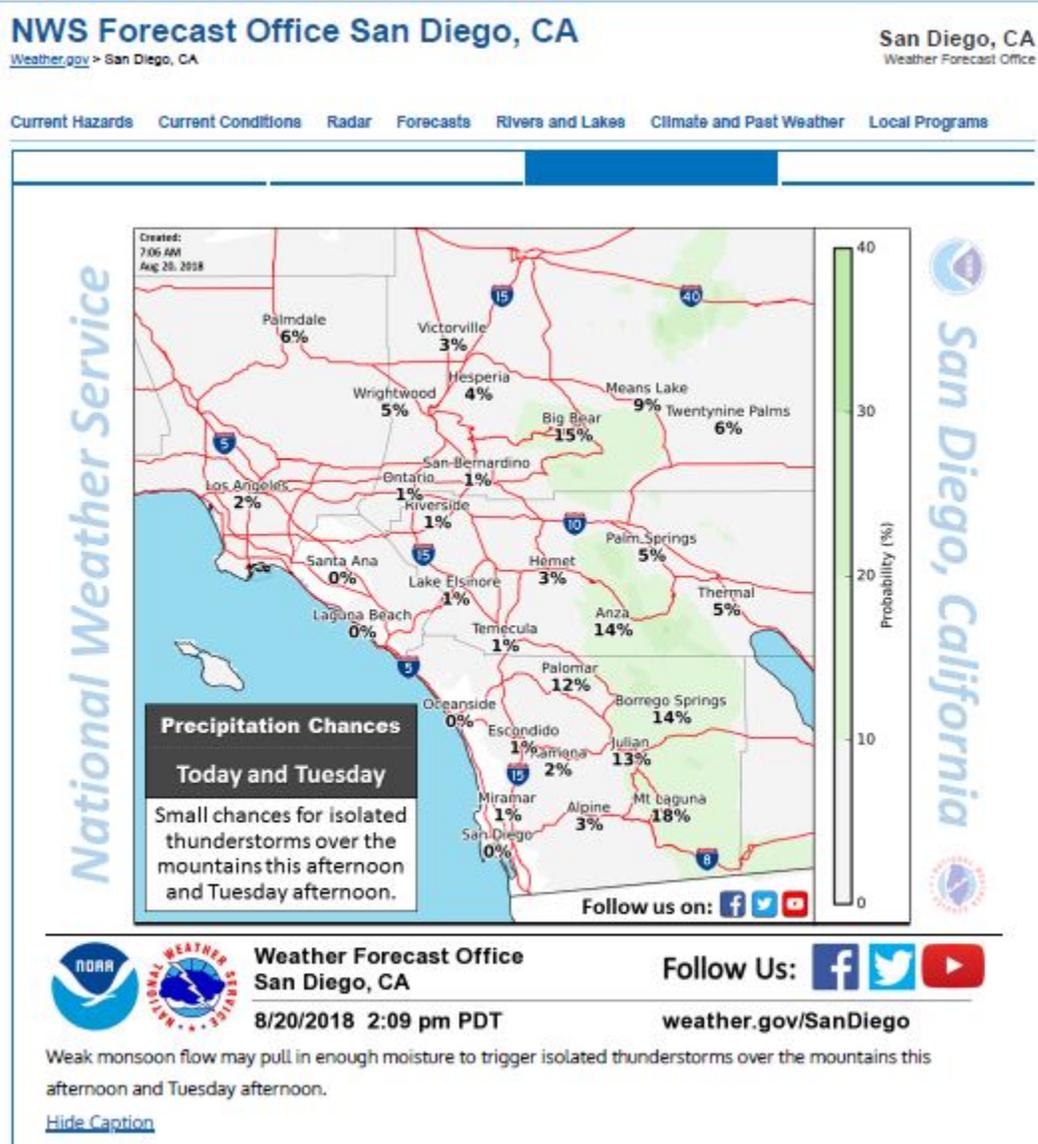
Fig C-3: A copy of the ICAPCD webpage advisory

### FIGURE C-4 SAN DIEGO WEATHER STORY AUGUST 20, 2018



**Fig C-4:** A Weather Story Forecast issued by the NWS San Diego office depicting monsoon conditions during the coming week

**FIGURE C-5  
SAN DIEGO WEATHER STORY AUGUST 20, 2018**



**Fig C-5:** A Weather Story Forecast issued by the NWS San Diego office depicting monsoon conditions during the coming week

**FIGURE C-6  
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-6:** 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-7 DAILY WEATHER AND AG BURNING INFORMATION

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

Date: Monday August 20 2018

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	87	ESE 5	10
8 AM	90	ESE 9	10
9 AM	95	SE 5	10
10 AM	98	SE 5	10
11 AM	102	SE 5	10
NOON	104	S 5	10
1 PM	107	S 7	10
2 PM	108	ESE 5	10
3 PM	110	E 8	10
4 PM	111	ENE 6	10
5 PM	111	ESE 10	10
6 PM	111	ESE 10	10
7 PM	108	ESE 11	10

Max. Temperature yesterday was 111 degrees

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

**Forecasts**  
**High Today** 110 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet	-	10:00am
Forecast of Maximum Mixing Height	-	10,500
Forecast for Morning surface winds	SE 5-10	SE 5-10
Forecast for afternoon surface winds	S 5-10	SE 5-10
Forecast for evening surface winds	SE 5-10	
Forecast 10 AM - 3 PM transport winds	S 5-10	

Comments/Complaints: MARGINAL GREEN WASTE

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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 MC

**Fig C-7:** Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "Limited Burn" day on August 20, 2018

**FIGURE C-8  
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 general 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:

**IMPERIAL COUNTY 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.

<u>June 23, 2018</u> Niland-163 µg/m3;	<u>June 26, 2018</u> Niland-173 µg/m3;	<u>July 9, 2018</u> Brawley-236 µg/m3; Calexico-307 µg/m3; El Centro-256 µg/m3; Niland-181 µg/m3;
<u>August 20, 2018</u> El Centro-162 µg/m3	<u>October 3, 2018</u> Westmorland-169 µg/m3	<u>Westmorland-155 µg/m3,</u>
<u>October 6, 2018</u> Brawley-181 µg/m3	<u>November 29, 2018</u> Niland-331 µg/m3; Westmorland-286 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. Soudi  
L163 S15

**Fig C-8:** 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 August 20, 2018. The date for closing comments was October 20, 2019

**FIGURE C-9  
IMPERIAL COUNTY COMMENTS REGARDING THE AUGUST 20 2018 EE  
DEMONSTRATION**

Awaiting Final Comment Period