Appendix A
Public Notification that a potential event was occurring
(40 CFR §50.14(c)(1)(i))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

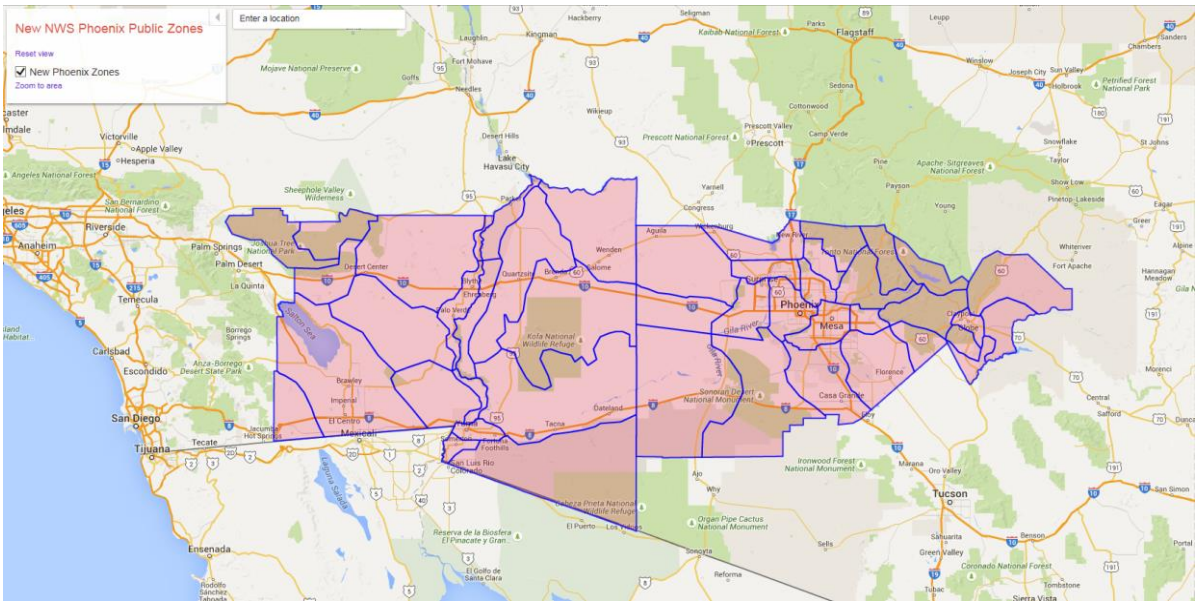

Fig A-1: Illustrates the public zones that are serviced by the National Weather Service Office in Phoenix. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE A-2
WIND ADVISORY ISSUED ON MARCH 25

11/28/2016 IEM :: NPW from NWS PSR

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: **2014-03-25 09:41 UTC**

Previous in Time

View All KPSR Products for 25 Mar 2014

Next in Time

Latest Product

```
216
WWUS75 KPSR 250941
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
241 AM MST TUE MAR 25 2014

AZZ020-025-CAZ030>033-252300-
/O.NEW.KPSR.WI.Y.0002.140326T1500Z-140327T0300Z/
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...
FORTUNA FOOTHILLS...YUMA...COTTONWOOD VISITOR CENTER...BLYTHE...
CHIRIACO SUMMIT...DESERT CENTER...BRAWLEY...CALEXICO...EL CENTRO
241 AM MST TUE MAR 25 2014 /241 AM PDT TUE MAR 25 2014/

...WIND ADVISORY IN EFFECT FROM 8 AM MST /8 AM PDT/ TO 8 PM MST
/8 PM PDT/ WEDNESDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 8 AM MST /8 AM PDT/ TO 8 PM
MST /8 PM PDT/ WEDNESDAY.

* AFFECTED AREA...SOUTHEAST CALIFORNIA AND THE LOWER COLORADO RIVER
  VALLEY...INCLUDING THE CITIES OF EL CENTRO...BLYTHE...AND YUMA.

* TIMING...8 AM UNTIL 8 PM WEDNESDAY.

* WINDS...GUSTY WEST WINDS BETWEEN 25 AND 35 MPH...WITH OCCASIONAL
  GUSTS TO 45 MPH ARE POSSIBLE.

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES ON
  NORTH-SOUTH ORIENTED ROADWAYS. MOTORISTS ON INTERSTATES 8 AND 10
  WILL ALSO EXPERIENCE HIGH WINDS ESPECIALLY IN WESTERN IMPERIAL
  COUNTY AS WELL AS NEAR JOSHUA TREE NATIONAL PARK. PATCHY BLOWING
  DUST MAY ALSO DEVELOP DUE TO THE HIGH WINDS WHICH COULD RESULT IN
  REDUCED VISIBILITIES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201403250941 1/1

Fig A-2: Due to the expected strength of the weather system, the NWS Phoenix office issued a wind advisory for southeastern California and parts of southwestern Arizona as early as 02:41 a.m. MST on March 25. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201403250941

FIGURE A-3
WIND ADVISORY ISSUED FOR IMPERIAL COUNTY

National Weather Service Forecast Office
San Diego, CA

Home News Organization FAQ Share | Search WR NWS ALL NOAA Go

Forecast by "City, St" or ZIP
Go

XML RSS Feeds

Current Hazards
Watches / Warnings
Outlooks
Submit Report
Current Conditions
Observations
Radar
Satellite
Precipitation
Mapped Weather
Other Hazards
Forecasts
Forecast Discussion
Local Area
Activity Planner
Aviation Weather
Fire Weather
Marine Weather
Severe Weather
Hurricane Center
User Defined Area
Fastlinks
Hydrology
Rivers and Lakes
Forecasts / Obs
Climate
Local
National
Drought
More...
Climate portal
Weather Safety
Preparedness
Weather Radio
SkyWarn™
StormReady
TsunamiReady
Additional Info
Items of Interest
Other Useful Links
Education Resources
COOP Observer
Our Office
NWS News
Contact Us
Contact Info
Feedback
FAQ

PSRCAZ033

```
CAZ033-262315-
IMPERIAL COUNTY-
INCLUDING...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...
AND THE SALTON SEA
259 AM PDT WED MAR 26 2014

...WIND ADVISORY IN EFFECT FROM 8 AM THIS MORNING TO 8 PM PDT THIS
EVENING...

.TODAY...PARTLY SUNNY AND WINDY. PATCHY BLOWING DUST THROUGH THE DAY.
NOT AS WARM. HIGHS 76 TO 81. WEST WIND 20 TO 30 MPH. GUSTS UP TO
40 MPH.
.TONIGHT...PARTLY CLOUDY AND WINDY. PATCHY BLOWING DUST IN THE
EVENING. LOWS 51 TO 61. WEST WIND 20 TO 30 MPH. GUSTS UP TO 40 MPH.
.THURSDAY...PARTLY SUNNY IN THE MORNING...THEN BECOMING MOSTLY SUNNY.
BREEZY. HIGHS 76 TO 81. WEST WIND 15 TO 25 MPH.
.THURSDAY NIGHT...MOSTLY CLEAR AND BREEZY. LOWS 48 TO 58. WEST WIND
15 TO 25 MPH.
.FRIDAY...MOSTLY SUNNY. HIGHS 79 TO 84. WEST WIND 5 TO 10 MPH IN THE
MORNING BECOMING SOUTH IN THE AFTERNOON.
.FRIDAY NIGHT THROUGH SUNDAY...MOSTLY CLEAR. LOWS IN THE LOWER 50S TO
LOWER 60S. HIGHS 85 TO 90.
.SUNDAY NIGHT THROUGH MONDAY NIGHT...PARTLY CLOUDY AND BREEZY. LOWS
IN THE LOWER 50S TO LOWER 60S. HIGHS 85 TO 90.
.TUESDAY...PARTLY SUNNY. NOT AS WARM. HIGHS IN THE UPPER 70S TO LOWER
80S.
```

Webmaster
US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
San Diego Weather Forecast Office
11440 W. Bernardo Court, Suite 230
San Diego, California 92127

Tel: (858) 675-8700

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Fig A-3: The Wind Advisory issued by the NWS on March 25 was extended through March 26 until 8:00 p.m. It warning of gusts of up to 40 mph for the areas of Brawley, Calexico, El Centro, Glamis, Imperial, and the Salton Sea. Source: NWS San Diego office

FIGURE A-4
AREA FORECAST DISCUSSION – MARCH 26

11/28/2016 IEM :: AFD from NWS PSR

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589
FXUS65 KPSR 261018
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
318 AM MST WED MAR 26 2014

.SYNOPSIS...
AN APPROACHING STORM SYSTEM WILL IMPACT THE DESERT SOUTHWEST
TODAY...BRINGING GUSTY WINDS AND THE POTENTIAL FOR BLOWING DUST TO
THE REGION. THERE IS ALSO A SLIGHT CHANCE OF SHOWERS ACROSS THE
HIGHER TERRAIN OF SOUTH-CENTRAL ARIZONA THIS AFTERNOON AND EVENING.
TEMPERATURES WILL BE COOLER BOTH TODAY AND ON THURSDAY...BUT HIGH
PRESSURE WILL BEGIN BUILDING BACK IN ON FRIDAY...ENABLING READINGS
TO CLIMB BACK INTO THE MID TO UPPER 80S BY THE WEEKEND.

&&

.DISCUSSION...

SATELLITE IMAGERY THIS MORNING SHOWS UPPER LEVEL LOW PRESSURE
PUSHING ACROSS SOUTHERN CA INTO SOUTHERN NV. STRONG UPPER LEVEL JET
OVER THE PACIFIC COAST WILL HELP TO DRIVE THIS SYSTEM THROUGH THE
DESERT SOUTHWEST THIS MORNING. SURFACE GRADIENT IS ALREADY
TIGHTENING ACROSS SOUTHEAST STATIONS...WITH SOME STATIONS REPORTING
STRONG GUSTY WINDS. STRONGEST WINDS ARE EXPECTED TO REMAIN ALONG
AND WEST OF THE COLORADO RIVER VALLEY...THOUGH WIND SPEEDS WILL
INCREASE ACROSS THE ENTIRE REGION THROUGHOUT THE DAY. THESE WINDS
WILL LIKELY PRODUCE AREAS OF BLOWING DUST...ESPECIALLY IN THE I-10
AND I-8 CORRIDORS IN THE VICINITY OF CASA GRANDE. UNLIKE THE BLOWING
DUST THAT WAS GENERATED BY THUNDERSTORM OUTFLOW ON TUESDAY...THAT
PRODUCED TODAY WILL LIKELY BE MORE WIDESPREAD AND MORE PROLONGED DUE
TO THE PERSISTENT GUSTY WINDS. THIS WEATHER SYSTEM HAS LITTLE
MOISTURE ASSOCIATE WITH IT...THOUGH THERE IS A CHANCE FOR AN
ISOLATED SHOWER OR TWO OVER THE HIGHER TERRAIN OF EAST CENTRAL
ARIZONA THIS AFTERNOON AND TONIGHT.

INCREASING CLOUDINESS IS EXPECTED TODAY AS THE STORM SYSTEM MOVES
INTO THE AREA. THIS...ALONG WITH THE ACCOMPANYING COOLER AIR WILL
HELP TO KEEP TEMPERATURES TODAY SEVERAL DEGREES COOLER THAN THOSE
THAT OCCURRED TUESDAY. ANOTHER COOLER DAY IS EXPECTED ON THURSDAY
AND THEN READINGS WILL BEGIN INCREASING THROUGH THE WEEKEND...AS
UPPER LEVEL HIGH PRESSURE STARTS BUILDING BACK OVER THE REGION. BY
SUNDAY AND MONDAY READINGS IN THE LOWER DESERTS SHOULD BE BACK IN
THE UPPER 80S.

COOLER TEMPERATURES COULD RETURN AGAIN BY THE MIDDLE OF NEXT WEEK
THOUGH...AS MODELS ARE FORECASTING THE DEVELOPMENT OF ANOTHER TROUGH
OFF THE CA COAST. THAT IS STILL SEVEN DAYS OUT HOWEVER AND THERE IS
CURRENTLY SOME PRETTY BIG DIFFERENCES BETWEEN EACH MODEL SOLUTION.
CONFIDENCE AT THIS TIME IS THEREFORE NOT HIGH.

&&

.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...
SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...

THE MAIN STORY THROUGH THE UPCOMING TAF PERIOD AT ALL OF THE
TERMINALS WILL BE THE WINDS. A RATHER VIGOROUS...BUT DRY WEATHER
DISTURBANCE THAT WILL BE MOVING INTO THE REGION EARLY WEDNESDAY IS
EXPECTED TO BRING STRONG...AND GUSTY WESTERLY WINDS TO ALL OF THE
TERMINALS BY LATE MORNING WEDNESDAY...WITH THE WINDS CONTINUING
UNTIL AT LEAST MID-EVENING ON WEDNESDAY. SUSTAINED WINDS AS HIGH AS
30 KTS...WITH GUSTS UP TO 40 KNOTS ARE LIKELY AT KIPL AND 25G35KT AT
KBLH. WINDS AT THE PHX AREA TERMINALS ARE EXPECTED TO PEAK IN THE
18-20 KNOT RANGE...WITH GUSTS AS HIGH AS 28 KTS ON WEDNESDAY
AFTERNOON. ALONG WITH THE WINDS...PATCHY BLOWING DUST COULD AFFECT
THE TERMINALS AS WELL...BUT CONFIDENCE IS TOO LOW TO INCLUDE IN THE
TAFS AT THIS TIME. SCT-BKN MID AND HIGH CLOUDS LAYERS ARE ALSO
EXPECTED TO PASS OVER THE TERMINALS FROM TIME-TO-TIME ON WEDNESDAY
AS WELL.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
```

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201403261018 2/3

11/28/2016 IEM :: AFD from NWS PSR

```
THURSDAY THROUGH MONDAY...
THE WINDY CONDITIONS SEEN ON WEDNESDAY WILL GRADUALLY SUBSIDE DURING
THE DAY THURSDAY AS LOW PRESSURE DEPARTS THE AREA. WINDS WILL BE
LIGHT AND WILL FAVOR THE TYPICAL DIURNAL TRENDS THROUGH THE WEEKEND
BUT SOME BREEZINESS COULD RETURN EARLY NEXT WEEK. DRY WEATHER WITH
10-15 PERCENT AFTERNOON HUMIDITIES ARE EXPECTED THROUGH EARLY NEXT
WEEK. OVERNIGHT RECOVERIES WILL BE FAIR TO GOOD.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY FROM 8 AM THIS MORNING TO 8 PM MST THIS EVENING
     AZZ020-025.

CA...WIND ADVISORY FROM 8 AM THIS MORNING TO 8 PM PDT THIS EVENING
     CAZ030>033.

&&

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...MCLANE
AVIATION...PERCHA
FIRE WEATHER...LEINS
```

Fig A-4: An Area Forecast Discussion issued by the NWS Phoenix office at 3:18 a.m. MST on March 26 stated the upper level low had the potential to bring high winds and blowing dust to southeast California and other adjacent areas. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201403261018

FIGURE A-5
URGENT WEATHER MESSAGE FOR IMPERIAL COUNTY

11/28/2016 IEM :: NPW from NWS PSR

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: **2014-03-26 10:05 UTC**

← Previous in Time

View All KPSR Products for 26 Mar 2014

Next in Time →

Latest Product

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055
WWUS75 KPSR 261005
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
305 AM MST WED MAR 26 2014

AZZ020-025-CAZ030>033-270300-
/O.CON.KPSR.WI.Y.0002.140326T1500Z-140327T0300Z/
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...
FORTUNA FOOTHILLS...YUMA...COTTONWOOD VISITOR CENTER...BLYTHE...
CHIRIACO SUMMIT...DESERT CENTER...BRAWLEY...CALEXICO...EL CENTRO
305 AM MST WED MAR 26 2014 /305 AM PDT WED MAR 26 2014/

...WIND ADVISORY REMAINS IN EFFECT FROM 8 AM MST /8 AM PDT/ THIS
MORNING TO 8 PM MST /8 PM PDT/ THIS EVENING...

A WIND ADVISORY REMAINS IN EFFECT FROM 8 AM MST /8 AM PDT/ THIS
MORNING TO 8 PM MST /8 PM PDT/ THIS EVENING.

* AFFECTED AREA...SOUTHEAST CALIFORNIA AND THE LOWER COLORADO
  RIVER VALLEY...INCLUDING THE CITIES OF EL CENTRO...BLYTHE...
  AND YUMA.

* TIMING...8 AM UNTIL 8 PM WEDNESDAY.

* WINDS...GUSTY WEST WINDS BETWEEN 25 AND 35 MPH...WITH
  OCCASIONAL GUSTS TO 45 MPH ARE POSSIBLE.

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES
  ON NORTH-SOUTH ORIENTED ROADWAYS. MOTORISTS ON INTERSTATES 8
  AND 10 WILL ALSO EXPERIENCE HIGH WINDS ESPECIALLY IN WESTERN
  IMPERIAL COUNTY AS WELL AS NEAR JOSHUA TREE NATIONAL PARK.
  PATCHY BLOWING DUST MAY ALSO DEVELOP DUE TO THE HIGH WINDS
  WHICH COULD RESULT IN REDUCED VISIBILITIES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX
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https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201403261005 1/1

Fig A-5: An Urgent Weather Message issued by the NWS Phoenix office at 3:05 a.m. MST on March 26 warned of high winds and reduced visibility on highways in western Imperial County do to blowing dust. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201403261005

FIGURE A-6
HAZARDOUS WEATHER OUTLOOK

11/28/2016 IEM :: HWO from NWS PSR

```
664
FLUS45 KPSR 261130
HWOPSR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PHOENIX AZ
430 AM MST WED MAR 26 2014

AZZ020-025-CAZ030>033-271400-
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
430 AM MST WED MAR 26 2014 /430 AM PDT WED MAR 26 2014/

...WIND ADVISORY IN EFFECT FROM 8 AM MST /8 AM PDT/ THIS MORNING TO
8 PM MST /8 PM PDT/ THIS EVENING...

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EXTREME SOUTHWEST
ARIZONA...EXTREME WEST-CENTRAL ARIZONA...EXTREME SOUTHEAST
CALIFORNIA AND SOUTHEAST CALIFORNIA.

.DAY ONE...TODAY AND TONIGHT.

PLEASE LISTEN TO NOAA WEATHER RADIO OR GO TO WEATHER.GOV ON THE
INTERNET FOR MORE INFORMATION ABOUT THE FOLLOWING HAZARDS.

  WIND ADVISORY.

WINDS WILL INCREASE ACROSS THE AREA TODAY AHEAD OF AND ALONG AN
APPROACHING TROUGH. WEST WINDS BETWEEN 25 AND 35 MPH...WITH
OCCASIONAL GUSTS TO 45 MPH...ARE EXPECTED. STRONG WINDS WILL CREATE
DIFFICULT TRAVEL CONDITIONS ALONG NORTH-SOUTH ORIENTATED ROADWAYS
AND THROUGH MOUNTAIN GAPS AND PASSES...ESPECIALLY ALONG THE
INTERSTATE 8 CORRIDOR WEST OF EL CENTRO/IMPERIAL AND THROUGHOUT
JOSHUA TREE NATIONAL PARK. IN ADDITION TO THE STRONG WINDS...PATCHY
BLOWING DUST WILL BE POSSIBLE REDUCING VISIBILITIES ACROSS THE AREA.

.DAYS TWO THROUGH SEVEN...THURSDAY THROUGH TUESDAY.

NO HAZARDOUS WEATHER IS EXPECTED.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT EXPECTED AT THIS TIME.

$$

AZZ021>023-026>028-271400-
WEST CENTRAL DESERTS-NORTHWEST MARICOPA COUNTY-GREATER PHOENIX AREA-
SOUTHWEST DESERTS-SOUTHWEST MARICOPA COUNTY-
NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
430 AM MST WED MAR 26 2014

THIS HAZARDOUS WEATHER OUTLOOK IS FOR SOUTH-CENTRAL
ARIZONA...SOUTHWEST ARIZONA AND WEST-CENTRAL ARIZONA.

.DAY ONE...TODAY AND TONIGHT.

SURFACE WINDS WILL INCREASE ACROSS THE AREA TODAY AHEAD OF AND ALONG
AN APPROACHING TROUGH. WEST TO SOUTHWEST WINDS WILL INCREASE THROUGH
MORNING WITH SUSTAINED VALUES OF 15 TO 25 MPH AND GUSTS TO 30 MPH
POSSIBLE BY THE AFTERNOON. WINDS WILL DIMINISH DURING THE EVENING
OVER THE LOWER ELEVATIONS WHILE REMAINING ELEVATED ACROSS THE
MOUNTAIN RIDGETOPS. PATCHY BLOWING DUST WILL BE POSSIBLE ACROSS THE
LOWER DESERTS...ESPECIALLY TO THE SOUTH OF THE PHOENIX METRO AREA AND
FOR ADDITIONAL TRAVEL CORRIDORS THROUGH OPEN DESERT AREAS.

.DAYS TWO THROUGH SEVEN...THURSDAY THROUGH TUESDAY.

NO HAZARDOUS WEATHER IS EXPECTED.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT EXPECTED AT THIS TIME.

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NATIONAL WEATHER SERVICE PHOENIX IS ON THE INTERNET AT
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https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=HWOPSR&e=201403261130 2/3

Fig A-6: A Hazardous Weather Outlook was issued for southeast California and portions of Arizona in anticipation of strong winds and blowing dust generated by the approaching weather system. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=HWOPSR&e=201403261130

FIGURE A-7
WIND ADVISORY & BLOWING DUST ADVISORY FOR IMPERIAL COUNTY

11/28/2016 IEM :: ZFP from NWS PSR

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CAZ030-262315-
JOSHUA TREE NATIONAL PARK-
INCLUDING...COTTONWOOD VISITOR CENTER...KEYS VIEW...AND LOST HORSE
817 AM PDT WED MAR 26 2014

UPDATED

...WIND ADVISORY IN EFFECT UNTIL 8 PM PDT THIS EVENING...

.TODAY...PARTLY SUNNY WITH A SLIGHT CHANCE OF SHOWERS. PATCHY BLOWING
DUST THROUGH THE DAY. WINDY AND MUCH COOLER. HIGHS 65 TO 75. WEST
WIND 20 TO 30 MPH. GUSTS UP TO 45 MPH. CHANCE OF MEASURABLE RAIN
10 PERCENT.
.TONIGHT...PARTLY CLOUDY. A SLIGHT CHANCE OF SHOWERS IN THE EVENING.
PATCHY BLOWING DUST IN THE EVENING. WINDY AND COOLER. LOWS 45 TO 55.
WEST WIND 20 TO 30 MPH. GUSTS UP TO 45 MPH. CHANCE OF MEASURABLE RAIN
10 PERCENT.
.THURSDAY...PARTLY SUNNY AND WINDY. HIGHS 64 TO 74. WEST WIND 20 TO
30 MPH.
.THURSDAY NIGHT...MOSTLY CLEAR AND BREEZY. LOWS 46 TO 56. NORTHWEST
WIND 15 TO 25 MPH.
.FRIDAY...MOSTLY SUNNY. HIGHS 68 TO 78. NORTHWEST WIND 10 TO 15 MPH
IN THE MORNING BECOMING SOUTH 5 TO 10 MPH IN THE AFTERNOON.
.FRIDAY NIGHT THROUGH SATURDAY NIGHT...MOSTLY CLEAR AND WARMER. LOWS
50 TO 60. HIGHS IN THE MID 70S TO MID 80S.
.SUNDAY THROUGH MONDAY NIGHT...PARTLY CLOUDY AND BREEZY. LOWS 50 TO
60. HIGHS IN THE MID 70S TO MID 80S.
.TUESDAY...PARTLY SUNNY AND MUCH COOLER. HIGHS IN THE LOWER 60S TO
LOWER 70S.

$$

CAZ032-262315-
RIVERSIDE COUNTY/EASTERN DESERTS-
INCLUDING...CHIRIACO SUMMIT...DESERT CENTER...AND EAGLE MOUNTAIN
817 AM PDT WED MAR 26 2014

UPDATED

...WIND ADVISORY IN EFFECT UNTIL 8 PM PDT THIS EVENING...
...BLOWING DUST ADVISORY IN EFFECT FROM 1 PM THIS AFTERNOON TO 8 PM
PDT THIS EVENING...

.TODAY...PARTLY SUNNY AND WINDY. PATCHY BLOWING DUST. NOT AS WARM.
HIGHS 76 TO 81. WEST WIND 10 TO 20 MPH IN THE MORNING INCREASING TO
20 TO 30 MPH IN THE AFTERNOON. GUSTS UP TO 45 MPH.
.TONIGHT...PARTLY CLOUDY AND WINDY. PATCHY BLOWING DUST IN THE
EVENING. COOLER. LOWS 47 TO 57. WEST WIND 20 TO 30 MPH. GUSTS UP TO
45 MPH.
.THURSDAY...PARTLY SUNNY. HIGHS 75 TO 80. WEST WIND 10 TO 20 MPH.
.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 46 TO 56. WEST WIND 10 TO
20 MPH.
.FRIDAY...MOSTLY SUNNY. HIGHS 78 TO 83. NORTHWEST WIND 5 TO 10 MPH IN
THE MORNING BECOMING SOUTHWEST IN THE AFTERNOON.
.FRIDAY NIGHT THROUGH SATURDAY NIGHT...MOSTLY CLEAR AND WARMER. LOWS
IN THE LOWER 50S TO LOWER 60S. HIGHS 85 TO 90.
.SUNDAY...PARTLY SUNNY. HIGHS IN THE MID TO UPPER 80S.
.SUNDAY NIGHT THROUGH MONDAY NIGHT...PARTLY CLOUDY AND BREEZY. LOWS
50 TO 60. HIGHS IN THE MID TO UPPER 80S.
.TUESDAY...PARTLY SUNNY. NOT AS WARM. HIGHS 75 TO 80.

$$

CAZ033-262315-
IMPERIAL COUNTY-
INCLUDING...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...
AND THE SALTON SEA
817 AM PDT WED MAR 26 2014

UPDATED

...WIND ADVISORY IN EFFECT UNTIL 8 PM PDT THIS EVENING...
...BLOWING DUST ADVISORY IN EFFECT FROM 1 PM THIS AFTERNOON TO 8 PM
PDT THIS EVENING...

.TODAY...PARTLY SUNNY AND WINDY. PATCHY BLOWING DUST. NOT AS WARM.
HIGHS 76 TO 81. WEST WIND 20 TO 30 MPH. GUSTS UP TO 45 MPH.
.TONIGHT...PARTLY CLOUDY AND WINDY. PATCHY BLOWING DUST IN THE
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https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201403261517 6/13

Fig A-7: The NWS Phoenix office issued a Zone Forecast that included a Blowing Dust Advisory for Imperial County, as well as eastern Riverside County and eastern deserts, and the Joshua Tree National Park. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201403261517

FIGURE A-8
WIND ADVISORY FOR SAN DIEGO MOUNTAINS & DESERTS

11/28/2016 IEM :: ZFP from NWS SGX

WEST 15 TO 25 MPH. GUSTS TO 40 MPH...BECOMING 35 MPH OVERNIGHT.
.FRIDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY.
WARMER. HIGHS 62 TO 72. AREAS OF WINDS NORTHWEST 15 MPH IN THE
MORNING BECOMING LIGHT.
.FRIDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 36 TO 46.
.SATURDAY...MOSTLY SUNNY. HIGHS 66 TO 76.
.SATURDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 35 TO 45.
.SUNDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY.
HIGHS 64 TO 74.
.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 35 TO 45.
.MONDAY...MOSTLY SUNNY. HIGHS 62 TO 72.
.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...THEN MOSTLY CLOUDY
WITH A CHANCE OF SHOWERS OVERNIGHT. WINDY...COLDER. LOWS 30 TO
40.
.TUESDAY...MOSTLY CLOUDY WITH A CHANCE OF SHOWERS IN THE
MORNING...THEN PARTLY CLOUDY WITH A CHANCE OF SNOW SHOWERS AND
SLIGHT CHANCE OF SHOWERS IN THE AFTERNOON. BREEZY. HIGHS 54 TO
64.

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CAZ057-262130-
SANTA ANA MOUNTAINS AND FOOTHILLS-
231 AM PDT WED MAR 26 2014

.TODAY...CLOUDY WITH SHOWERS LIKELY IN THE MORNING...THEN MOSTLY
CLOUDY WITH A CHANCE OF SHOWERS IN THE AFTERNOON. HIGHS 55 TO 63.
AREAS OF WINDS WEST 15 TO 20 MPH. GUSTS TO 35 MPH. CHANCE OF
MEASURABLE PRECIPITATION 70 PERCENT.
.TONIGHT...MOSTLY CLOUDY WITH SHOWERS LIKELY. LOWS 40 TO 49.
AREAS OF WINDS WEST 15 TO 20 MPH. GUSTS TO 35 MPH...BECOMING
30 MPH OVERNIGHT. CHANCE OF MEASURABLE PRECIPITATION 60 PERCENT.
.THURSDAY...MOSTLY CLOUDY WITH SHOWERS LIKELY IN THE MORNING...
THEN PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS IN THE
AFTERNOON. HIGHS 57 TO 65. AREAS OF WINDS WEST 15 TO 20 MPH.
GUSTS TO 30 MPH. CHANCE OF MEASURABLE PRECIPITATION 50 PERCENT.
.THURSDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY
CLOUDY. PATCHY FOG OVERNIGHT. LOWS 41 TO 47. AREAS OF WINDS WEST
15 MPH WITH GUSTS TO 25 MPH IN THE EVENING BECOMING LIGHT.
.FRIDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY.
PATCHY FOG IN THE MORNING. WARMER. HIGHS 63 TO 72. LIGHT WINDS.
.FRIDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 47 TO 52.
.SATURDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY.
HIGHS 67 TO 75.
.SATURDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 46 TO 51.
.SUNDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY.
HIGHS 66 TO 74.
.SUNDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 47 TO 52.
.MONDAY...PARTLY CLOUDY. HIGHS 63 TO 71.
.MONDAY NIGHT...PARTLY CLOUDY IN THE EVENING...THEN CLOUDY WITH A
SLIGHT CHANCE OF SHOWERS OVERNIGHT. COLDER. LOWS 39 TO 47.
.TUESDAY...CLOUDY IN THE MORNING...BECOMING PARTLY CLOUDY. SLIGHT
CHANCE OF SHOWERS. HIGHS 59 TO 66.

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CAZ058-262130-
SAN DIEGO COUNTY MOUNTAINS-
231 AM PDT WED MAR 26 2014

...WIND ADVISORY IN EFFECT UNTIL 11 AM PDT THURSDAY...

.TODAY...SHOWERS IN THE MORNING...THEN CHANCE OF SHOWERS IN THE
AFTERNOON. HIGHS 48 TO 55. AREAS OF WINDS WEST 25 TO 35 MPH.
GUSTS TO 50 MPH...BECOMING 55 MPH IN THE AFTERNOON.
.TONIGHT...SHOWERS LIKELY. COLDER. LOWS 33 TO 43. AREAS OF WINDS
WEST 25 TO 35 MPH. GUSTS TO 55 MPH...BECOMING 50 MPH OVERNIGHT.
CHANCE OF MEASURABLE PRECIPITATION 70 PERCENT.
.THURSDAY...CLOUDY WITH SHOWERS LIKELY IN THE MORNING...THEN
MOSTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS IN THE AFTERNOON.
HIGHS 48 TO 56. AREAS OF WINDS WEST 20 TO 30 MPH. GUSTS TO
45 MPH...BECOMING 50 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE
PRECIPITATION 70 PERCENT.
.THURSDAY NIGHT...PARTLY CLOUDY. PATCHY FOG OVERNIGHT. LOWS 34 TO
41. AREAS OF WINDS WEST 20 TO 30 MPH WITH GUSTS TO 40 MPH...
BECOMING 15 TO 20 MPH WITH GUSTS TO 30 MPH OVERNIGHT.

https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201403260931 5/7

.FRIDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY. PATCHY FOG IN THE MORNING. WARMER. HIGHS 60 TO 67. AREAS OF WINDS NORTHWEST 15 MPH IN THE MORNING BECOMING LIGHT.
.FRIDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOWS 38 TO 48.
.SATURDAY...MOSTLY SUNNY. HIGHS 65 TO 72.
.SATURDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOWS 39 TO 48.
.SUNDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY. HIGHS 63 TO 70.
.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 38 TO 48.
.MONDAY...MOSTLY SUNNY. HIGHS 60 TO 67.
.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...THEN CLOUDY WITH A SLIGHT CHANCE OF SHOWERS OVERNIGHT. WINDY...COLDER. LOWS 32 TO 42.
.TUESDAY...CLOUDY IN THE MORNING...BECOMING PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS. BREEZY. HIGHS 52 TO 60.

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CAZ060-262130-
APPLE AND LUCERNE VALLEYS-
231 AM PDT WED MAR 26 2014

...WIND ADVISORY IN EFFECT UNTIL 11 AM PDT THURSDAY...

.TODAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. AREAS OF BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. COOLER. HIGHS 58 TO 64. AREAS OF WINDS WEST 20 TO 30 MPH. GUSTS TO 45 MPH... BECOMING 55 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.TONIGHT...AREAS OF BLOWING SAND AND BLOWING DUST IN THE EVENING. PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOWS 39 TO 44. AREAS OF WINDS WEST 25 TO 35 MPH. GUSTS TO 50 MPH...BECOMING 45 MPH OVERNIGHT. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.THURSDAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS IN THE MORNING. HIGHS 60 TO 65. AREAS OF WINDS WEST 20 TO 30 MPH. GUSTS TO 45 MPH...BECOMING 50 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.THURSDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOWS 38 TO 43. AREAS OF WINDS WEST 15 TO 25 MPH. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT.
.FRIDAY...MOSTLY SUNNY. WARMER. HIGHS 68 TO 73. AREAS OF WINDS WEST 15 MPH WITH GUSTS TO 25 MPH IN THE MORNING BECOMING LIGHT.
.FRIDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOWS 43 TO 48.
.SATURDAY...MOSTLY SUNNY. HIGHS 71 TO 76.
.SATURDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. BREEZY. LOWS 42 TO 47.
.SUNDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY. HIGHS 68 TO 73.
.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 41 TO 46.
.MONDAY...MOSTLY SUNNY. HIGHS 67 TO 72.
.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...THEN PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS OVERNIGHT. BREEZY. LOWS 38 TO 44.
.TUESDAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS IN THE MORNING. BREEZY. HIGHS 60 TO 65.

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CAZ061-262130-
COACHELLA VALLEY-
231 AM PDT WED MAR 26 2014

...WIND ADVISORY IN EFFECT UNTIL 11 AM PDT THURSDAY...

.TODAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS IN THE MORNING. AREAS OF BLOWING SAND AND BLOWING DUST IN THE MORNING. AREAS OF BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. LOCAL VISIBILITY ONE QUARTER MILE OR LESS AT TIMES IN THE AFTERNOON. NOT AS WARM. HIGHS 73 TO 78. AREAS OF WINDS WEST 25 TO 35 MPH WITH GUSTS TO 50 MPH. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.TONIGHT...PARTLY CLOUDY WITH A CHANCE OF SHOWERS. AREAS OF BLOWING DUST. AREAS OF BLOWING SAND OVERNIGHT. LOCAL VISIBILITY ONE QUARTER MILE OR LESS AT TIMES. LOWS 52 TO 57. AREAS OF WINDS NORTH 20 TO 30 MPH ...EXCEPT WEST 25 TO 35 MPH WITH GUSTS TO 55 MPH NEAR BANNING PASS AND ALONG AND NORTH OF INTERSTATE 10. GUSTS TO 45 MPH...BECOMING 40 MPH OVERNIGHT. CHANCE OF MEASURABLE PRECIPITATION 40 PERCENT.
.THURSDAY...PARTLY CLOUDY. CHANCE OF SHOWERS IN THE MORNING. HIGHS 74 TO 79. AREAS OF WINDS WEST 15 TO 25 MPH ...EXCEPT WEST

11/28/2016 IEM :: ZFP from NWS SGX

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25 TO 35 MPH NEAR BANNING PASS AND ALONG AND NORTH OF INTERSTATE
10. GUSTS TO 30 MPH ...EXCEPT 55 MPH NEAR BANNING PASS AND ALONG
AND NORTH OF INTERSTATE 10. CHANCE OF MEASURABLE PRECIPITATION
20 PERCENT.
.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 50 TO 55. AREAS OF WINDS
NORTH 15 TO 20 MPH ...EXCEPT WEST 25 TO 35 MPH NEAR BANNING PASS
AND ALONG AND NORTH OF INTERSTATE 10. GUSTS TO 35 MPH. NEAR
BANNING PASS AND ALONG AND NORTH OF INTERSTATE 10...GUSTS TO
55 MPH...BECOMING 35 MPH OVERNIGHT.
.FRIDAY...MOSTLY SUNNY. HIGHS 79 TO 84. LIGHT WINDS. NEAR BANNING
PASS AND ALONG AND NORTH OF INTERSTATE 10...AREAS OF WINDS WEST
15 TO 20 MPH WITH GUSTS TO 25 MPH IN THE MORNING BECOMING LIGHT.
.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 54 TO 61.
.SATURDAY...MOSTLY SUNNY. HIGHS AROUND 87.
.SATURDAY NIGHT...MOSTLY CLEAR. LOWS 54 TO 61.
.SUNDAY...MOSTLY SUNNY. HIGHS 83 TO 88.
.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 52 TO 59.
.MONDAY...MOSTLY SUNNY. HIGHS 82 TO 87.
.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 53 TO 59.
.TUESDAY...PARTLY CLOUDY. HIGHS 74 TO 79.

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CAZ062-262130-
SAN DIEGO COUNTY DESERTS-
231 AM PDT WED MAR 26 2014

...WIND ADVISORY IN EFFECT UNTIL 11 AM PDT THURSDAY...

.TODAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS IN THE MORNING.
AREAS OF BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. COOLER.
HIGHS 69 TO 74. AREAS OF WINDS WEST 25 TO 35 MPH. GUSTS TO
45 MPH...BECOMING 55 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE
PRECIPITATION 20 PERCENT.
.TONIGHT...AREAS OF BLOWING SAND AND BLOWING DUST IN THE EVENING.
PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. LOCAL VISIBILITY
ONE QUARTER MILE OR LESS AT TIMES IN THE EVENING. LOWS 52 TO 58.
AREAS OF WINDS WEST 20 TO 30 MPH. GUSTS TO 50 MPH...BECOMING
45 MPH OVERNIGHT. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.THURSDAY...PARTLY CLOUDY. SLIGHT CHANCE OF SHOWERS IN THE
MORNING. AREAS OF BLOWING SAND AND BLOWING DUST IN THE AFTERNOON.
HIGHS 71 TO 76. AREAS OF WINDS WEST 15 TO 25 MPH WITH GUSTS TO
35 MPH...BECOMING 25 TO 30 MPH WITH GUSTS TO 55 MPH IN THE
AFTERNOON. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
.THURSDAY NIGHT...MOSTLY CLEAR. AREAS OF BLOWING SAND AND BLOWING
DUST IN THE EVENING. LOWS 50 TO 55. AREAS OF WINDS WEST 25 TO
30 MPH WITH GUSTS TO 50 MPH...BECOMING 15 TO 25 MPH WITH GUSTS TO
40 MPH OVERNIGHT.
.FRIDAY...MOSTLY SUNNY. HIGHS 77 TO 82. LIGHT WINDS.
.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 56 TO 63.
.SATURDAY...MOSTLY SUNNY. HIGHS 83 TO 88.
.SATURDAY NIGHT...MOSTLY CLEAR. LOWS 56 TO 62.
.SUNDAY...MOSTLY SUNNY. HIGHS 81 TO 86.
.SUNDAY NIGHT...MOSTLY CLEAR. LOWS 55 TO 61.
.MONDAY...MOSTLY SUNNY. HIGHS 80 TO 85.
.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY
CLOUDY. LOWS 54 TO 60.
.TUESDAY...PARTLY CLOUDY. HIGHS 73 TO 78.

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Fig A-8: The NWS San Diego office issued a Zone Forecast that included Wind Advisories for the San Diego mountains and deserts, as well as the Coachella Valley. These areas were also expected to experience blowing sand and blowing dust. The San Diego mountains and deserts were directly upstream from Niland and Brawley. Source: Iowa Environmental Mesonet, https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201403260931

FIGURE A-9
DUST STORM REPORTEDLY CAUSED ACCIDENT ON HIGHWAY 86

Storm Events Database

Event Details

Event	**Dust Storm**
State	**CALIFORNIA**
County/Area	**COACHELLA VALLEY**
WFO	**SGX**
Report Source	**Law Enforcement**
NCDC Data Source	**CSV**
Begin Date	**2014-03-26 12:00:00.0 PST-8**
End Date	**2014-03-26 16:00:00.0 PST-8**
Deaths Direct/Indirect	**0/0** (fatality details below, when available...)
Injuries Direct/Indirect	**0/0**
Property Damage	**0.00K**
Crop Damage	**0.00K**
Episode Narrative	**A deep, upper-level trough brought strong and gusty westerly winds to the mountains and deserts. Several wind gusts over 75 mph were observed, especially on the desert slopes leading down into the Coachella Valley. This resulted in areas of blowing dust and sand on the desert floor, reducing visibility to near zero at times.**
Event Narrative	**According to CHP, multiple cars crashed on Highway 86 near Thermal/Mecca due to zero visibility from high winds blowing dust. CHP issued a sig alert following the crash and all southbound lanes on Highway 86 were closed. KTRM airport at the time was reporting winds WSW 22 mph with gusts to 37 mph. The Coachella weather observation had NW winds 15 mph, gusting to 31 mph. Near Palm Springs, Gene Autry Trail and Vista Chino are both closed at the wash due to low visibilty from blowing dust. Winds at the time: Edom Hill was NW at 50 mph with gusts to 68 mph, while KPSP airport was NE at 25 mph with gusts 38 mph.**

Fig A-9: A dust storm reduced visibility to zero and caused a multi-car pileup on Highway 86 near the Salton Sea. Two major streets in Palm Springs were closed due to blowing dust. Source: NOAA's Nation Center for Environmental Information Storm Events Database

FIGURE A-10
BRAWLEY AIR QUALITY ALERT – MARCH 26

Imperial Valley Air Quality Alert

Brawley - 220 Main Street

Wednesday, March 26 - 3:00 PM
PM10 (24-hr average) AQI reached 171 - Unhealthy

PM10 AQI 151-200 People with respiratory or heart disease, the elderly, and children are the groups most at risk, especially when they are physically active. Persons with cardiopulmonary disease and the elderly may experience increased aggravation of heart or lung disease and premature mortality. The general population may experience increased respiratory effects. U.S. EPA cautions that "people with heart or lung disease, older adults, and children should avoid prolonged or heavy exertion. Everyone else should reduce prolonged or heavy exertion." 'Prolonged' generally means four or more hours with short rest periods. 'Heavy exertion' is that which would increase the resting breathing rate four fold or greater. You can reduce exposure to particulate material by: - Reducing the intensity and duration of your outdoor activities - Postponing outdoor activities to days when particulate levels are lower

Current Maximum AQI for Other Imperial Valley Cities

Calexico - Ethel Street: Unhealthy (PM10)

El Centro - 9th Street: Good (Ozone)

Niland - English Road: Unhealthy (PM10)

This notification was issued by the Im

Fig A-10: A copy of the air quality alert for Brawley issued by the ICAPCD on its website. Source: ICAPCD

FIGURE A-11
IMPERIAL COUNTY ISSUED NO BURN DAY

Imperial Valley Air Quality Alert

Niland - English Road

Wednesday, March 26 - 11:00 AM
PM10 (24-hr average) AQI reached 103 - Unhealthy for Sensitive Groups

PM10 AQI 101-150 People with respiratory or heart disease, the elderly, and children are the groups most at risk, especially when they are physically active. There is an increased likelihood of respiratory symptoms in sensitive individuals, and aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly. U.S. EPA cautions that "people with heart or lung disease, older adults, and children should reduce prolonged or heavy exertion." 'Prolonged' generally means four or more hours with short rest periods. 'Heavy exertion' is that which would increase the resting breathing rate four fold or greater. You can reduce exposure to particulate material by: - Reducing the intensity and duration of your outdoor activities - Postponing outdoor activities to days when particulate levels are lower

Current Maximum AQI for Other Imperial Valley Cities

Brawley - 220 Main Street: Moderate (PM10)

Calexico - Ethel Street: Moderate (PM10)

El Centro - 9th Street: Good (Ozone)

This notification was issued by the Imperial Valley Air Pollution Control Distric

Fig A-11: A copy of the air quality alert for Niland issued by the ICAPCD on its website. Source: ICAPCD

FIGURE A-12
IMPERIAL COUNTY ISSUED NO BURN DAY

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

Date: Wednesday, March 26, 2014

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	60	W-3	10
8 AM	62	WSW-3	10
9 AM	70	WNW-3	10
10 AM	75	WNW-5	10
11 AM	79	W-5	10
NOON	83	CALM	10
1 PM	86	CALM	10
2 PM	88	W-6	10
3 PM	90	SSW-9	10
4 PM	90	SW-6	10
5 PM	88	WSW-16	10
6 PM	83	WSW-12G31	10
7 PM	78	WSW-17	10
Max. Temperature yesterday was	91	degrees	

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

1Y7 12Z 500 MB Height _____

Forecasts

High Today 76-81

	Local Forecast (Issued 8 AM Local)		Computer Forecast (RUC 40KM 12Z)	
Est. Time Mixing Height reaches 3000 feet	N/A		10:00 A	
Forecast of Maximum Mixing Height	N/A	feet	5,280	feet
Forecast for Morning surface winds	W 20-30	mph	W 20-30	mph
Forecast for afternoon surface winds	W 20-30	mph	W 20-30	mph
Forecast for evening surface winds	W 20-30	mph		
Forecast 10 AM - 3 PM transport winds	W 20-30	mph		

Comments/Complaints: **Blowing dust through the day (gusts up to 40 mph.**

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day X

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int FG

Fig A-12: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day

FIGURE A-13

Frank

IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 6699

Date	Time	Initial	Supplemental
3/26/14	8:15am	VC	

Complainant Name: Lorena Minor
Complainant Address: 1072 Moreno St. Calexico

Phone: 693-3287

Smoke: Dust: Open Fire: Ag Related: Odors: Other:

Construction going on across the street from Complainant this morning they are dumping dirt with a caterpillar into a dump truck & with this wind DIRT is going everywhere (BAD). Also, they aren't cleaning the roads when going in & out of construction area.

Statement of Source (Inspector's Report):

Fig A-13: Is a copy of a filed dust complaint made by a resident of Imperial County on March 26, 2014. The complainant described dust emanating from a construction site across the compliant residence. The factual conclusion arrived by the investigating inspector confirmed fugitive dust emissions from loading a truck at the construction site. The source was asked to use more water to keep dust emissions under control, no violations were issued. Calexico is located approximately 21 miles, south of Brawley (the closest monitor that experienced an exceedance on this day)

FIGURE A-14

IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 6700

Date	Time	Initial	Supplemental
3/26/14	8:30am	VC	

Complainant Name: Jim Pelley
Complainant Address: Ocotillo

Phone: 619-990-1096

Smoke: Dust: Open Fire: Ag Related: Odors: Other:

Caller stating lots of DUST coming from the Ocotillo Wind Project.

(Frank spoke to him when he called in.)

Statement of Source (Inspector's Report):

Fig A-14: Is a copy of a filed dust complaint made by a resident of Imperial County on March 26, 2014. The complainant described lots of dust emanating from the Ocotillo Wind Renewable Project. The factual conclusion arrived by the investigating inspector confirmed that dust emissions were emanating from the west side of the area (mountains) and not the renewable operation, no violations were issued. The Ocotillo Wind Project is located about 30 miles southwest of Brawley and 38 miles south-southwest of the Niland monitor

FIGURE A-15

IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 6702

Date	Time	Initial	Supplemental
3/26/14	4:14pm	MA	

Complainant Name: Mitchell Molina
Complainant Address: 1019 Alamo St
Brawley

Phone: 616-0799

Smoke:	Dust:	Open Fire:	Ag Related:	Odors:	Other:

Landscaping crew at old dump site directly behind home created large dirt piles that generate dust when the wind blows.

Statement of Source (Inspector's Report):

Fig A-15: Is a copy of a filed dust complaint made by a resident of Imperial County on March 26, 2014. The complainant described dust emanating from a pile of dirt at the local cemetery in Brawley, behind a residence. The factual conclusion arrived by the investigating inspector confirmed that dust emissions were emanating from a pile of dirt due to high winds, the source was asked to keep dust down by watering the area, no violations were issued. The Brawley cemetery is approximately 1.6 miles west from the Brawley monitor

FIGURE A-16
IMPERIAL COUNTY AFFIDAVIT OF 30 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:

01/04 .

all in the year 2017

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: 11006865
Ad Number: 31204312

* Printer, Foreman of the Printer, or Principal Clerk of the Printer
Date: 4 th day of January, 2017.
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 TWO EXCEPTIONAL EVENTS (EE) FOR
MARCH AND APRIL 2014

The Imperial County Air Pollution Control District (Air District) has prepared two Draft Exceptional Event (EE) Demonstrations which support the requested exclusion of the measured concentrations at the Brawley and Niland monitors on March 17, March 26, a combined March 30 and April 1, April 12 and 13, and April 25 and 26. (See below).

March 17, 2014
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 190.9 ug/m3

March 26, 2014
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 375.3 ug/m3
Niland 24 hr concentration from the Federal Equivalent Method BAM monitor of 279.7 ug/m3

March 30 and April 01, 2014
Brawley 24 hr concentration from the Federal Reference Method monitor of 220 ug/m3
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 160.5 ug/m3

April 12 and April 13, 2014
Niland 24 hr concentration from the Federal Equivalent Method BAM monitor of 167.5 ug/m3
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 166.8 ug/m3

April 25 and April 26, 2014
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 185.4 ug/m3
Brawley 24 hr concentration from the Federal Equivalent Method BAM monitor of 313.3 ug/m3

The public and all interested parties are encouraged to review and comment on the Draft EE's for March 17, March 26, March/April 30-01, April 12-13, and April 25-26 of 2014 which provide the supporting evidence that on the days indicated in March and April of 2014 the Brawley and Niland monitors were impacted by elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10) caused by winds which followed weather systems that impacted Riverside, Imperial and San Diego counties. The Draft EE Demonstrations 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 February 3, 2017 by close of business.

The Draft EE's for March and April of 2014 are available for download at the Air District website at www.co.imperial.ca.us, under "Air Pollution". To view the Draft EE demonstrations, 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. Soucier.
L779 J4

Fig A-16: 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 March 26, 2014. The date for closing comments was February 3, 2017

FIGURE A-17
IMPERIAL COUNTY COMMENTS
REGARDING THE MARCH 26, 2014 EE DEMONSTRATION

The Air District received no comments on the March 26, 2014 Exceptional Event Demonstration