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

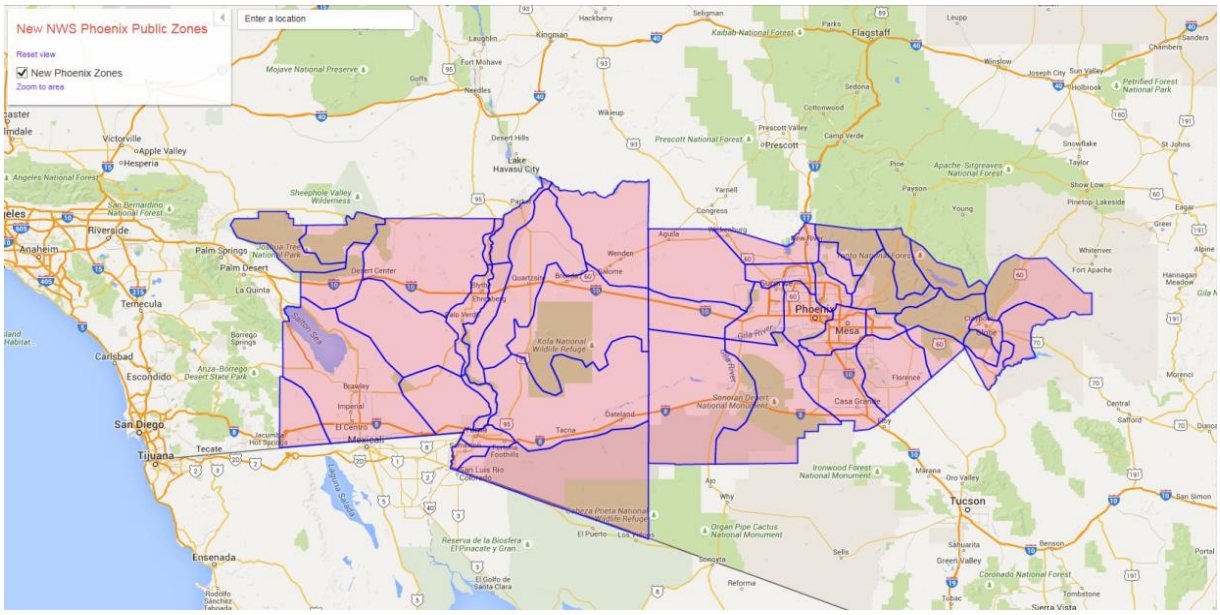
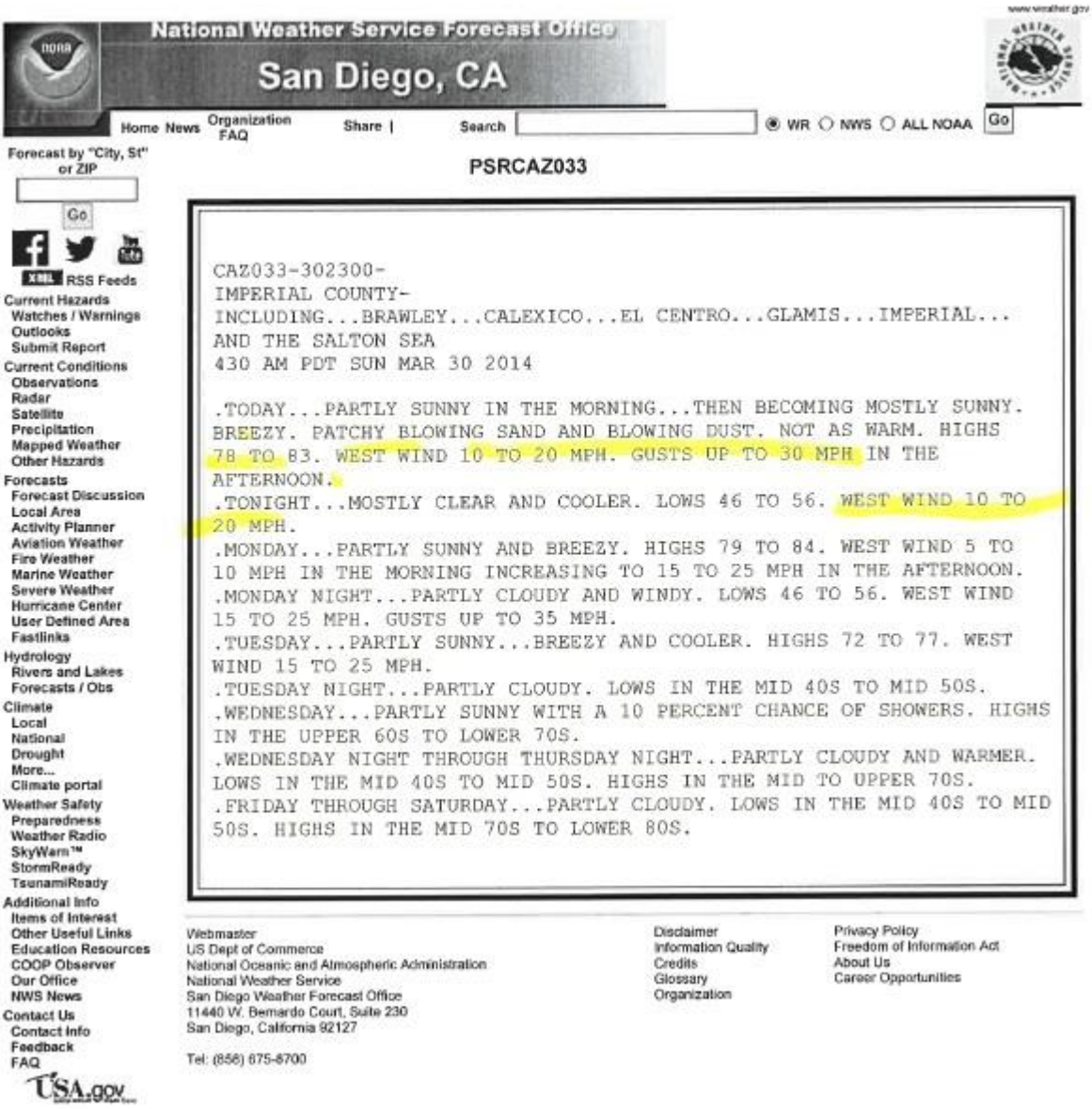


Fig A-1: Illustrates the public zones that are serviced by the National Weather Service Office in Phoenix. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE A-2
FORECAST FOR HIGH WINDS AND BLOWING SAND ON MARCH 30, 2014



National Weather Service Forecast Office
San Diego, CA

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Go

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Watches / Warnings
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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

CAZ033-302300-
IMPERIAL COUNTY-
INCLUDING...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...
AND THE SALTON SEA
430 AM PDT SUN MAR 30 2014

.TODAY...PARTLY SUNNY IN THE MORNING...THEN BECOMING MOSTLY SUNNY.
BREEZY. PATCHY BLOWING SAND AND BLOWING DUST. NOT AS WARM. HIGHS
78 TO 83. WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE
AFTERNOON.
.TONIGHT...MOSTLY CLEAR AND COOLER. LOWS 46 TO 56. WEST WIND 10 TO
20 MPH.
.MONDAY...PARTLY SUNNY AND BREEZY. HIGHS 79 TO 84. WEST WIND 5 TO
10 MPH IN THE MORNING INCREASING TO 15 TO 25 MPH IN THE AFTERNOON.
.MONDAY NIGHT...PARTLY CLOUDY AND WINDY. LOWS 46 TO 56. WEST WIND
15 TO 25 MPH. GUSTS UP TO 35 MPH.
.TUESDAY...PARTLY SUNNY...BREEZY AND COOLER. HIGHS 72 TO 77. WEST
WIND 15 TO 25 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY. LOWS IN THE MID 40S TO MID 50S.
.WEDNESDAY...PARTLY SUNNY WITH A 10 PERCENT CHANCE OF SHOWERS. HIGHS
IN THE UPPER 60S TO LOWER 70S.
.WEDNESDAY NIGHT THROUGH THURSDAY NIGHT...PARTLY CLOUDY AND WARMER.
LOWS IN THE MID 40S TO MID 50S. HIGHS IN THE MID TO UPPER 70S.
.FRIDAY THROUGH SATURDAY...PARTLY CLOUDY. LOWS IN THE MID 40S TO MID
50S. HIGHS IN THE MID 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-2: A forecast issued by the NWS on March 30, 2014 warning of gusts of up to 30 mph with patches of blowing sand and dust for the areas of Brawley, Calexico, El Centro, Glamis, Imperial, and the Salton Sea

FIGURE A-3
FORECAST FOR HIGH WINDS AND BLOWING SAND ON MARCH 31, 2014

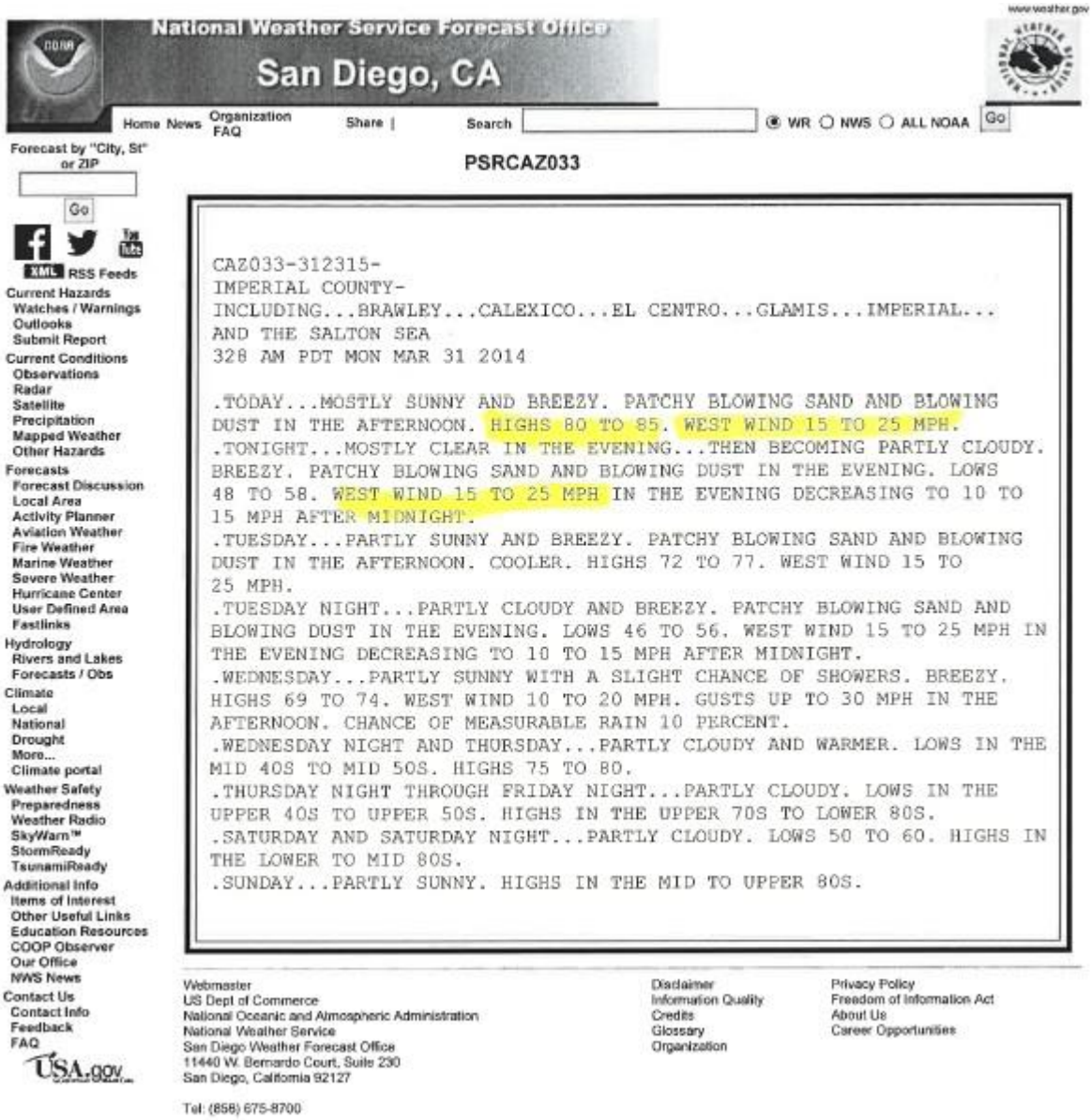


Fig A-3: A forecast issued by the NWS on March 31, 2014 warning of winds up to 25 mph with patches of blowing sand and dust for the areas of Brawley, Calexico, El Centro, Glamis, Imperial, and the Salton Sea

FIGURE A-4
IMPERIAL COUNTY ZONE FORECAST FOR APRIL 1, 2014

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HAZARDOUS WEATHER CONDITIONS

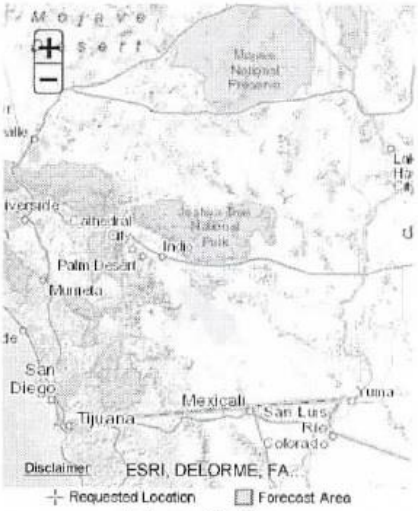
Hazardous Weather Outlook

Imperial County
Zone Forecast

Phoenix, AZ
NWS Weather Forecast Office

Today	Partly cloudy and windy. Patchy blowing sand and blowing dust in the afternoon. Cooler. Highs 72 to 77. West wind 15 to 25 mph. Gusts up to 30 mph early in the morning...becoming 35 mph in the afternoon.
Tonight	Partly cloudy. Patchy blowing sand and blowing dust in the evening. A slight chance of showers after midnight. Windy. Lows 47 to 57. West wind 15 to 25 mph. Gusts up to 35 mph. Chance of measurable rain 10 percent.
Wednesday	Partly sunny. A slight chance of showers in the morning. Windy. Highs 68 to 73. West wind 20 to 30 mph. Gusts up to 35 mph in the morning increasing to 45 mph in the afternoon. Chance of measurable rain 10 percent.
Wednesday Night	Partly cloudy and windy. Lows 45 to 55. West wind 20 to 30 mph in the evening decreasing to 10 to 20 mph after midnight. Gusts up to 40 mph in the evening.
Thursday	Mostly sunny in the morning...then becoming partly sunny. Warmer. Highs 74 to 79. Southwest wind 5 to 10 mph.
Thursday Night	Partly cloudy. Lows in the upper 40s to upper 50s. Highs in the upper 70s to lower 80s.
Through Saturday Friday And Night	Partly cloudy. Lows in the lower 50s to lower 60s. Highs in the upper 70s to mid 80s.
Saturday Sunday Night And	Mostly clear. Lows in the mid 50s to mid 60s. Highs in the mid to upper 80s.
Sunday Monday Night	Sunny. Highs in the mid 80s to lower 90s.

Click Map For Detailed Forecast Topographic



Requested Location Forecast Area
Lat/Lon: Elevation:

Fig A-4: A zone forecast issued by the NWS on April 1, 2014 warning of gusts of up to 35 mph with patches of blowing sand and dust for Imperial County

FIGURE A-5
AREA FORECAST DISCUSSION FOR MARCH 29, 2014 - PAGE 1

12/5/2016 IEM :: AFD from NWS PSR

```
652
FXUS65 KPSR 292229 AAA
AFDPSR

AREA FORECAST DISCUSSION...UPDATED
NATIONAL WEATHER SERVICE PHOENIX AZ
330 AM MST SAT MAR 29 2014

.UPDATE...
UPDATED AVIATION AND FIRE WEATHER SECTIONS.

&&

.SYNOPSIS...
HIGH PRESSURE WILL TEMPORARILY BUILD OVER THE REGION
TODAY...RESULTING IN MOSTLY SUNNY SKIES...LIGHTER WIND AND WARMER
TEMPERATURES. A SERIES OF PACIFIC DISTURBANCES WILL BEGIN TO MOVE
INTO THE WESTERN STATES SUNDAY THROUGH NEXT WEEK. THE FIRST SYSTEM
WILL BRING A DRY COLD FRONT ACROSS THE AREA SUNDAY AFTERNOON
RESULTING IN BREEZY TO WINDY CONDITIONS AND CONSIDERABLE HIGH CLOUDS.
SEVERAL MORE WEATHER DISTURBANCES WILL MOVE ACROSS THE REGION LATE
TUESDAY AND WEDNESDAY...AND AGAIN NEXT FRIDAY. A COOLING TREND WILL
BEGIN TUESDAY...WITH BELOW NORMAL TEMPERATURES AND PARTLY CLOUDY
SKIES.

&&

.DISCUSSION...
ANOTHER WARM MARCH AFTERNOON IS UNDERWAY IN THE DESERT
SOUTHWEST...WITH TEMPERATURES ACROSS THE SOUTH-CENTRAL ARIZONA AND
SOUTHEAST CALIFORNIA DESERTS ANYWHERE FROM 5 TO 7 DEGREES WARMER THAN
THIS TIME FRIDAY. TEMPERATURE STILL ON TRACK FOR ABOVE NORMAL
READINGS BEFORE THE DAY IS OUT WITH WIDESPREAD MID TO UPPER 80S...AND
A FEW ISOLATED LOW 90S IN THE SOUTHEAST CALIFORNIA MIX. HIGH THIN
CIRRUS CONTINUE TO STREAM ONSHORE FROM THE PACIFIC ALONG THE
SUBTROPICAL JET AND WILL DRIFT TO THE E/NE FOR THE REMAINDER OF THE
AFTERNOON...WITH THE THICKER CLOUDS STAYING MOSTLY ACROSS SOUTHERN
NEVADA...NORTHERN ARIZONA AND SOUTHERN UTAH.

UPPER LEVEL PATTERN CHANGE...ALREADY UNDERWAY OVER THE WEST
COAST...WILL EXPAND INTO THE INTERIOR WEST BEGINNING SUNDAY...WITH
THE FIRST IN A SERIES OF PACIFIC SHORTWAVES MOVING QUICKLY ACROSS
UTAH AND NORTHERN ARIZONA BY THE AFTERNOON. THE BULK OF THE VORTICITY
AND DEEPEST MOISTURE LOOK TO STAY NORTH OF OUR AREA...INTRODUCING
VERY SLIGHT SHOWER CHANCES MAINLY NORTH OF THE GRAND CANYON BUT ALSO
INCREASING CLOUD COVER AND WINDS AREAWIDE. SUBTROPICAL JET PROGGED TO
NOSE INTO THE REGION WITH NEAR 40KT 700MB AND 60KT 500MB W/SW WINDS
SPANNING ACROSS SOUTHEAST CALIFORNIA AND SOUTH CENTRAL ARIZONA. WINDY
CONDITIONS WILL GET AN EARLY START TONIGHT IN SOUTHEAST CALIFORNIA
OVER AREA RIDGETOPS AND MOUNTAIN PASSES BEFORE EXPANDING INTO THE
DESERTS BY MORNING. WHILE WINDS WILL BE ELEVATED...SPEEDS LOOK TO
REMAIN BELOW ADVISORY THRESHOLDS. BUT...DID ADD SOME MENTION OF
PATCHY BLOWING DUST/SAND FOR THE I-8 CORRIDOR ACROSS IMPERIAL COUNTY
FOR SUNDAY. BREEZY TO LOCALLY WINDY CONDITIONS WILL DEVELOP INTO
ARIZONA LATER IN THE DAY AS A DRY COOL FRONT AND JET ENERGY TRAIL
THROUGH THE REGION. WITH THE W/SW WINDS AND SLIGHT WAA AHEAD OF THE
COOL FRONT...TEMPERATURES WILL CONTINUE ON THE WARM SIDE BUT FALL
CLOSER TO LATE MARCH NORMALS WITH LOW TO MID 80S OVER THE DESERTS.
THE SHORTWAVE AND FRONT WILL MAKE A QUICK EXIT TO THE EAST...CLEARING
OUT THE HIGH CLOUDS OVERNIGHT SUNDAY.

MOSTLY DRY WESTERLY FLOW ALOFT IS FORECAST MONDAY AND TUESDAY WITH
MOSTLY CLEAR SKIES AND SLIGHTLY COOLER AFTERNOON TEMPERATURES IN THE
WAKE OF SUNDAY'S COLD FRONT.

BY WEDNESDAY...ANOTHER PACIFIC SHORTWAVE IS FORECAST TO MOVE INTO
THE WESTERN STATES. MEDIUM RANGE FORECAST MODEL SOLUTIONS AND
ENSEMBLE MEMBERS CONTINUE TO WIDELY VARY ON THE DEPTH AND MOISTURE
AVAILABILITY OF THE STORM SYSTEM. CONFIDENCE IS HIGH THAT THE AREA
WILL UNDERGO A WELCOME COOL DOWN TO OPEN THE MONTH OF APRIL...WITH
TEMPERATURES FALLING BELOW NORMAL VALUES WITH HIGHS IN THE LOW 70S.
CONFIDENCE WANES IN THE SPECIFICS RELATIVE TO QPF PLACEMENT AND HOW
FAR SOUTH THE STORM WILL ACTUALLY TRAVEL. THE 12Z GFS REMAINS ONE OF
THE DEEPER SOLUTIONS...TAKING THE CIRCULATION CENTER AS FAR SOUTH AS
NORTHERN BAJA. CARVING THE SYSTEM FURTHER TO SOUTH COULD PULL MORE
MOISTURE INTO THE REGION FOR WEDNESDAY WHILE ALSO INTRODUCING
FAVORABLE WIND ORIENTATION FOR OROGRAPHIC LIFT. THE 12Z EC OPS AND
ENS IS NOT AS DEEP OR WELL ORGANIZED...KEEPING MOST PRECIP POTENTIAL
AND JET ENERGY OVER NORTHERN ARIZONA. MAINTAINED SLIGHT CHANCE
```

FIGURE A-5
AREA FORECAST DISCUSSION FOR MARCH 29, 2014 - PAGE 2

12/5/2016 IEM :: AFD from NWS PSR

MENTION FOR THE HIGHER TERRAIN TO THE NORTH AND EAST OF
PHOENIX...WHILE BLENDING IN A HEALTHY CLIMO BACKGROUND TO THE REST OF
THE FORECAST AREA FOR WEDNESDAY AND WEDNESDAY NIGHT. BREEZY
CONDITIONS AND MUCH COOLER AFTERNOON TEMPERATURES WILL DEVELOP AREA-
WIDE AS A RESULT OF THIS FIRST SYSTEM...WITH LOW TO MID 70S POSSIBLE
OVER THE DESERTS.

THURSDAY THROUGH SATURDAY...
ADDITIONAL PACIFIC DISTURBANCES ARE FORECAST TO MOVE INTO THE
WESTERN STATES THIS PERIOD KEEPING AFTERNOON TEMPERATURES BELOW
NORMAL. AGAIN...MODELS DIFFER GREATLY WITH REGARDS TO TIMING...
INTENSITY...AND DEPTH OF THESE TROFS. THIS FAR OUT WE WILL
GENERALIZE THE FORECASTS BY HIGHLIGHTING COOLER TEMPERATURES...
PARTLY CLOUDY SKIES...AND A SLIGHT CHANCE OF MOUNTAIN SHOWERS NORTH
THROUGH EAST OF PHOENIX.

&&

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

LIGHT WINDS CAN BE EXPECTED THE REST OF THE AFTERNOON AND EVENING. A
LOW PRESSURE SYSTEM MOVING INTO THE WESTERN STATES WILL SPREAD
INCREASING CIRRUS OVER THE FORECAST AREA TONIGHT AND SOUTHWESTERLY
FLOW ALOFT WILL STRENGTHEN. A DRY COOL FRONT WILL MOVE ACROSS
SOUTHEAST CALIFORNIA SUNDAY MORNING AND REACH THE PHOENIX AREA BY
EARLY AFTERNOON. EXPECT BREEZY TO WINDY SURFACE CONDITIONS SUNDAY
DEVELOPING FROM WEST TO EAST WITH SOUTHWESTERLY GUSTS OF 25-30 KTS.
SOME MINOR BLOWING DUST IS POSSIBLE BUT ANTICIPATE VIS TO REMAIN
ABOVE 6SM.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
SUNDAY THROUGH FRIDAY...
A DRY COOL FRONT WILL LEAD TO DRY AND BREEZY TO WINDY CONDITIONS
SUNDAY. DRY AND BREEZY CONDITIONS CAN BE EXPECTED IN SOUTHEAST
CALIFORNIA AGAIN MONDAY. AT THIS TIME...CONDITIONS ARE EXPECTED TO
REMAIN BELOW CRITICAL THRESHOLDS. AN APPROACHING LOW PRESSURE SYSTEM
WILL EXPAND BREEZY CONDITIONS TUESDAY BUT HUMIDITIES INCREASE. THE
MAIN LOW CENTER PASSES THROUGH THE REGION DURING THE DAYTIME
WEDNESDAY AND THERE WILL BE A SLIGHT CHANCE FOR SHOWERS...MAINLY
ACROSS SOUTH-CENTRAL INTO EASTERN ARIZONA. BUILDING HIGH PRESSURE
RETURNS FOR THURSDAY AND FRIDAY WITH GRADUAL WARMING OF TEMPERATURES
AND DROPPING HUMIDITIES.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...NONE.

CA...NONE.

&&

$$

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

DISCUSSION...NOLTE/VASQUEZ
AVIATION....AJ
FIRE WEATHER...AJ/KUHLMAN

Fig A-5: An excerpt from an Area Forecast Discussion issued on March 29, 2014. The forecasts mentions a series of Pacific disturbances west to mover through the area, with high winds and expected blowing dust for the Imperial County area. https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201403291030 3/3

FIGURE A-6
URGENT WEATHER MESSAGE FOR MARCH 29, 2014

```
153
WWUS76 KSGX 291115
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
415 AM PDT SAT MAR 29 2014

...GUSTY WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR TONIGHT
THROUGH SUNDAY MORNING...

.A TROUGH OF LOW PRESSURE MOVING INLAND THROUGH SOUTHERN
CALIFORNIA WILL BRING STRONGER ONSHORE FLOW WILL LOCALLY STRONG
GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS FOR TONIGHT THROUGH
SUNDAY MORNING.

CAZ055-056-058-060>062-292100-
/O.NEW.KSGX.WI.Y.0026.140330T0100Z-140330T2100Z/
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-
415 AM PDT SAT MAR 29 2014

...WIND ADVISORY IN EFFECT FROM 6 PM THIS EVENING TO 2 PM PDT
SUNDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 6 PM THIS EVENING TO 2 PM PDT
SUNDAY.

* WINDS...AREAS OF WEST WINDS 20 TO 30 MPH WITH GUSTS TO 50 MPH.
  ISOLATED GUSTS TO 60 MPH.

* LOCATION...NEAR MOUNTAIN RIDGE TOPS...ALONG DESERT MOUNTAIN
  SLOPES..INTO ADJACENT DESERT AREAS.

* TIMING...WINDS INCREASING LATE THIS AFTERNOON...THEN SUBSIDING
  SUNDAY AFTERNOON.

* VISIBILITY...IN THE DESERTS...LOCALLY REDUCED IN BLOWING AND
  SAND AND DUST.

* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR
  MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
  LIMBS AND OTHER DEBRIS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH
PROFILE VEHICLES. USE EXTRA CAUTION.

&&

$$

CURRENT WIND GUST REPORTS ON THE WEB:
HTTP://WWW.WRH.NOAA.GOV/SGX/GMAP/INDEX.PHP

FOR A DETAILED MAP OF THE HAZARD:
WWW.WRH.NOAA.GOV/WRH/WHV/?WFO=SGX

17
```

Fig A-6: An Urgent Weather Message issued by the NWS San Diego office on March 29, 2014 included wind advisories for the mountain slopes and deserts of San Diego County, just upstream of Imperial County. Gusts were expected to reach 60 mph with the likelihood of blowing sand and dust. https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201403291115
The advisory was extended on April 1 at 02:57 and remained in effect until Wednesday at 08:00.https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201404010957

FIGURE A-7
HAZARDOUS WEATHER OUTLOOK FOR MARCH 30, 2014

```
735
FLUS45 KPSR 301239
HWOPSR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PHOENIX AZ
539 AM MST SUN MAR 30 2014

AZZ020>023-025>028-CAZ031>033-310300-
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
NORTHWEST MARICOPA COUNTY-GREATER PHOENIX AREA-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
SOUTHWEST MARICOPA COUNTY-NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
539 AM MST SUN MAR 30 2014 /539 AM PDT SUN MAR 30 2014/

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

.DAY ONE...TODAY AND TONIGHT.

GUSTY WEST WINDS 25 TO 35 MPH DEVELOPING TODAY. SOME BLOWING DUST ON
THE DESERTS WITH LOCAL VISIBILITIES REDUCED AT TIMES. STRONG CROSS
WINDS AND SUDDEN GUSTS MAY IMPACT SAFE DRIVING.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION MAY BE NEEDED.

$$

AZZ024-310300-
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-
539 AM MST SUN MAR 30 2014

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EAST-CENTRAL ARIZONA.

.DAY ONE...TODAY AND TONIGHT.

GUSTY WEST WINDS 25 TO 35 MPH DEVELOPING TODAY. STRONG CROSS WINDS
AND SUDDEN GUSTS MAY OCCASIONALLY IMPACT SAFE DRIVING.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION MAY BE NEEDED.

$$

CAZ030-310300-
JOSHUA TREE NATIONAL PARK-
539 AM PDT SUN MAR 30 2014

THIS HAZARDOUS WEATHER OUTLOOK IS FOR SOUTHEAST CALIFORNIA.

.DAY ONE...TODAY AND TONIGHT.

GUSTY WEST WINDS 25 TO 35 MPH DEVELOPING TODAY. SOME BLOWING DUST ON
THE DESERTS WITH LOCAL VISIBILITIES REDUCED AT TIMES. STRONG CROSS
WINDS AND SUDDEN GUSTS MAY IMPACT SAFE DRIVING.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION MAY BE NEEDED.
```

Fig A-7: A Hazardous Weather Outlook for Imperial County, Riverside County, the lower Colorado River valley, and parts of west-southwestern Arizona warning of high winds up to 35 mph with blowing dust in the deserts. https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=HWOPSR&e=201403301239

FIGURE A-8
ZONE FORECAST FOR IMPERIAL COUNTY FOR MARCH 31, 2014 – PAGE 1

789
FPUS55 KPSR 311543
ZFPPSR

ZONE FORECASTS FOR SOUTHWEST ARIZONA/SOUTHEAST CALIFORNIA
NATIONAL WEATHER SERVICE PHOENIX AZ
843 AM MST MON MAR 31 2014

AZZ023-312315-
GREATER PHOENIX AREA-
INCLUDING...BUCKEYE...CAREFREE...CAVE CREEK...CHANDLER...
FOUNTAIN HILLS...GILBERT...GLENDALE...MESA...PEORIA...PHOENIX...
SCOTTSDALE...SUN CITY...AND TEMPE
843 AM MST MON MAR 31 2014

.TODAY...SUNNY AND BREEZY. HIGHS 79 TO 84. SOUTHEAST WIND 10 TO
15 MPH IN THE MORNING BECOMING SOUTHWEST 15 TO 20 MPH IN THE
AFTERNOON. GUSTS UP TO 30 MPH IN THE AFTERNOON.
.TONIGHT...MOSTLY CLEAR AND BREEZY. LOWS 47 TO 56. SOUTHWEST WIND
15 TO 20 MPH IN THE EVENING DECREASING TO 5 TO 15 MPH AFTER MIDNIGHT.
GUSTS UP TO 30 MPH IN THE EVENING.
.TUESDAY...MOSTLY SUNNY IN THE MORNING...THEN BECOMING PARTLY SUNNY.
BREEZY AND COOLER. HIGHS 72 TO 77. SOUTHWEST WIND 10 TO 20 MPH. GUSTS
UP TO 30 MPH IN THE AFTERNOON.
.TUESDAY NIGHT...PARTLY CLOUDY AND BREEZY. LOWS 46 TO 55. SOUTHWEST
WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE EVENING.
.WEDNESDAY...PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS. COOLER.
HIGHS 65 TO 70. SOUTHWEST WIND 10 TO 20 MPH. CHANCE OF MEASURABLE
RAIN 10 PERCENT.
.WEDNESDAY NIGHT...PARTLY CLOUDY WITH A 10 PERCENT CHANCE OF SHOWERS.
LOWS IN THE LOWER 40S TO LOWER 50S.
.THURSDAY AND THURSDAY NIGHT...PARTLY CLOUDY AND WARMER. LOWS IN THE
LOWER 40S TO LOWER 50S. HIGHS IN THE LOWER TO MID 70S.
.FRIDAY THROUGH SATURDAY NIGHT...PARTLY CLOUDY. LOWS IN THE MID 40S
TO MID 50S. HIGHS IN THE MID TO UPPER 70S.
.SUNDAY...PARTLY SUNNY. HIGHS IN THE MID 70S TO LOWER 80S.

$$

AZZ025-312315-
YUMA/MARTINEZ LAKE AND VICINITY-
INCLUDING...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...AND YUMA
843 AM MST MON MAR 31 2014

.TODAY...SUNNY. PATCHY BLOWING SAND AND BLOWING DUST IN THE
AFTERNOON. HIGHS NEAR 84. WEST WIND 10 TO 20 MPH.
.TONIGHT...MOSTLY CLEAR. PATCHY BLOWING SAND AND BLOWING DUST IN THE
EVENING. LOWS 52 TO 56. WEST WIND 10 TO 20 MPH.
.TUESDAY...PARTLY SUNNY. PATCHY BLOWING SAND AND BLOWING DUST IN THE
AFTERNOON. COOLER. HIGHS NEAR 78. WEST WIND 10 TO 15 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY IN THE EVENING...THEN BECOMING MOSTLY
CLEAR. PATCHY BLOWING SAND AND BLOWING DUST IN THE EVENING. LOWS
50 TO 53. WEST WIND 10 TO 15 MPH.
.WEDNESDAY...PARTLY SUNNY WITH A SLIGHT CHANCE OF SHOWERS. COOLER.
HIGHS NEAR 73. WEST WIND 10 TO 20 MPH. CHANCE OF MEASURABLE RAIN
10 PERCENT.
.WEDNESDAY NIGHT AND THURSDAY...PARTLY CLOUDY AND WARMER. LOWS IN THE
UPPER 40S TO LOWER 50S. HIGHS IN THE UPPER 70S.
.THURSDAY NIGHT THROUGH SATURDAY...PARTLY CLOUDY. LOWS IN THE LOWER
TO MID 50S. HIGHS IN THE LOWER 80S.
.SATURDAY NIGHT AND SUNDAY...PARTLY CLOUDY. LOWS IN THE MID TO UPPER
50S. HIGHS IN THE MID 80S.

$$

AZZ020-CAZ031-312315-
LOWER COLORADO RIVER VALLEY AZ-LOWER COLORADO RIVER VALLEY CA-
INCLUDING...EHRENBERG...PARKER...AND BLYTHE
843 AM MST MON MAR 31 2014 /843 AM PDT MON MAR 31 2014/

.TODAY...SUNNY AND WINDY. PATCHY BLOWING SAND AND BLOWING DUST IN THE
AFTERNOON. HIGHS 80 TO 85. WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH
IN THE AFTERNOON.
.TONIGHT...MOSTLY CLEAR AND WINDY. PATCHY BLOWING SAND AND BLOWING
DUST IN THE EVENING. LOWS 45 TO 55. SOUTHWEST WIND 15 TO 25 MPH IN
THE EVENING BECOMING WEST 5 TO 15 MPH AFTER MIDNIGHT. GUSTS UP TO
35 MPH IN THE EVENING.
.TUESDAY...PARTLY SUNNY AND BREEZY. PATCHY BLOWING SAND AND BLOWING
DUST IN THE AFTERNOON. COOLER. HIGHS 73 TO 78. WEST WIND 5 TO 15 MPH

FIGURE A-8
ZONE FORECAST FOR IMPERIAL COUNTY FOR MARCH 31, 2014 – PAGE 2

$$

AZZ028-312315-
NORTHWEST AND NORTH CENTRAL PINAL COUNTY-
INCLUDING...APACHE JUNCTION...CASA GRANDE...COOLIDGE...AND FLORENCE
843 AM MST MON MAR 31 2014

.TODAY...SUNNY AND BREEZY. HIGHS 81 TO 86. SOUTH WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE AFTERNOON.
.TONIGHT...MOSTLY CLEAR AND BREEZY. LOWS 42 TO 52. SOUTHWEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE EVENING.
.TUESDAY...MOSTLY SUNNY IN THE MORNING...THEN BECOMING PARTLY SUNNY. COOLER. HIGHS 74 TO 79. SOUTHWEST WIND 5 TO 15 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY. LOWS 41 TO 51. SOUTHWEST WIND 5 TO 15 MPH.
.WEDNESDAY...PARTLY CLOUDY. A SLIGHT CHANCE OF SHOWERS IN THE AFTERNOON. COOLER. HIGHS 68 TO 73. WEST WIND 5 TO 15 MPH. CHANCE OF MEASURABLE RAIN 10 PERCENT.
.WEDNESDAY NIGHT...PARTLY CLOUDY WITH A 10 PERCENT CHANCE OF SHOWERS. LOWS IN THE UPPER 30S TO UPPER 40S.
.THURSDAY AND THURSDAY NIGHT...PARTLY CLOUDY. LOWS IN THE LOWER 40S TO LOWER 50S. HIGHS IN THE LOWER TO MID 70S.
.FRIDAY THROUGH SUNDAY...PARTLY CLOUDY. LOWS IN THE LOWER 40S TO LOWER 50S. HIGHS IN THE UPPER 70S TO LOWER 80S.

$$

CAZ030-312315-
JOSHUA TREE NATIONAL PARK-
INCLUDING...COTTONWOOD VISITOR CENTER...KEYS VIEW...AND LOST HORSE
843 AM PDT MON MAR 31 2014

.TODAY...SUNNY AND WINDY. PATCHY BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. HIGHS 67 TO 77. WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH.
.TONIGHT...MOSTLY CLEAR IN THE EVENING...THEN BECOMING PARTLY CLOUDY. WINDY. PATCHY BLOWING SAND AND BLOWING DUST IN THE EVENING. LOWS 43 TO 53. WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH.
.TUESDAY...PARTLY SUNNY AND BREEZY. PATCHY BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. COOLER. HIGHS 59 TO 69. WEST WIND 15 TO 25 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY. PATCHY BLOWING SAND AND BLOWING DUST IN THE EVENING. A SLIGHT CHANCE OF SHOWERS AFTER MIDNIGHT. BREEZY. LOWS 40 TO 50. WEST WIND 15 TO 25 MPH. CHANCE OF MEASURABLE RAIN 10 PERCENT.
.WEDNESDAY...PARTLY SUNNY WITH A SLIGHT CHANCE OF SHOWERS. HIGHS 57 TO 67. WEST WIND 10 TO 20 MPH. CHANCE OF MEASURABLE RAIN 20 PERCENT.
.WEDNESDAY NIGHT AND THURSDAY...PARTLY CLOUDY AND WARMER. LOWS IN THE LOWER 40S TO LOWER 50S. HIGHS IN THE LOWER 60S TO LOWER 70S.
.THURSDAY NIGHT THROUGH SATURDAY NIGHT...PARTLY CLOUDY. LOWS IN THE UPPER 40S TO UPPER 50S. HIGHS IN THE MID 60S TO MID 70S.
.SUNDAY...PARTLY SUNNY. HIGHS IN THE UPPER 60S TO UPPER 70S.

$$

CAZ032-312315-
RIVERSIDE COUNTY/EASTERN DESERTS-
INCLUDING...CHIRIACO SUMMIT...DESERT CENTER...AND EAGLE MOUNTAIN
843 AM PDT MON MAR 31 2014

.TODAY...SUNNY AND WINDY. PATCHY BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. HIGHS 79 TO 84. WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH.
.TONIGHT...MOSTLY CLEAR AND WINDY. PATCHY BLOWING DUST AND BLOWING SAND IN THE EVENING. LOWS 45 TO 55. WEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH IN THE EVENING.
.TUESDAY...PARTLY SUNNY AND BREEZY. PATCHY BLOWING SAND AND BLOWING DUST IN THE AFTERNOON. COOLER. HIGHS 70 TO 75. WEST WIND 15 TO 25 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY AND BREEZY. PATCHY BLOWING DUST AND BLOWING SAND IN THE EVENING. LOWS 43 TO 53. WEST WIND 15 TO 25 MPH.
.WEDNESDAY...PARTLY SUNNY WITH A SLIGHT CHANCE OF SHOWERS. BREEZY. HIGHS 69 TO 74. WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE RAIN 10 PERCENT.
.WEDNESDAY NIGHT AND THURSDAY...PARTLY CLOUDY. LOWS IN THE LOWER 40S TO LOWER 50S. HIGHS IN THE MID TO UPPER 70S.
.THURSDAY NIGHT THROUGH SATURDAY...PARTLY CLOUDY. LOWS IN THE MID 40S TO MID 50S. HIGHS IN THE UPPER 70S TO LOWER 80S.
.SATURDAY NIGHT AND SUNDAY...PARTLY CLOUDY. LOWS IN THE UPPER 40S TO UPPER 50S. HIGHS IN THE LOWER TO MID 80S.

FIGURE A-8
ZONE FORECAST FOR IMPERIAL COUNTY FOR MARCH 31, 2014 – PAGE 3

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CAZ033-312315-
IMPERIAL COUNTY-
INCLUDING...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...
AND THE SALTON SEA
843 AM PDT MON MAR 31 2014

.TODAY...SUNNY AND BREEZY. PATCHY BLOWING SAND AND BLOWING DUST IN
THE AFTERNOON. HIGHS 79 TO 84. WEST WIND 15 TO 25 MPH.
.TONIGHT...CLEAR IN THE EVENING...THEN BECOMING PARTLY CLOUDY.
BREEZY. PATCHY BLOWING SAND AND BLOWING DUST IN THE EVENING. LOWS
48 TO 58. WEST WIND 15 TO 25 MPH IN THE EVENING DECREASING TO 10 TO
15 MPH AFTER MIDNIGHT.
.TUESDAY...PARTLY SUNNY AND BREEZY. PATCHY BLOWING SAND AND BLOWING
DUST IN THE AFTERNOON. COOLER. HIGHS 72 TO 77. WEST WIND 15 TO
25 MPH.
.TUESDAY NIGHT...PARTLY CLOUDY AND BREEZY. PATCHY BLOWING SAND AND
BLOWING DUST IN THE EVENING. LOWS 46 TO 56. WEST WIND 15 TO 25 MPH IN
THE EVENING DECREASING TO 10 TO 15 MPH AFTER MIDNIGHT.
.WEDNESDAY...PARTLY SUNNY WITH A SLIGHT CHANCE OF SHOWERS. BREEZY.
HIGHS 69 TO 74. WEST WIND 10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE
AFTERNOON. CHANCE OF MEASURABLE RAIN 10 PERCENT.
.WEDNESDAY NIGHT AND THURSDAY...PARTLY CLOUDY AND WARMER. LOWS IN THE
MID 40S TO MID 50S. HIGHS 75 TO 80.
.THURSDAY NIGHT THROUGH FRIDAY NIGHT...PARTLY CLOUDY. LOWS IN THE
UPPER 40S TO UPPER 50S. HIGHS IN THE UPPER 70S TO LOWER 80S.
.SATURDAY AND SATURDAY NIGHT...PARTLY CLOUDY. LOWS 50 TO 60. HIGHS IN
THE LOWER TO MID 80S.
.SUNDAY...PARTLY SUNNY. HIGHS IN THE MID TO UPPER 80S.

$$
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Fig A-8: An excerpt of a Zone Forecast for Imperial County predicted high winds up to 25 mph with blowing sand and dust. Similar conditions were forecasted for Riverside County and Yuma, Arizona. https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201403311543

FIGURE A-9
URGENT WEATHER MESSAGE FOR APRIL 1, 2014

```
432
WWUS75 KPSR 010708
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
1208 AM MST TUE APR 1 2014

.APPROACHING COLD FRONT WILL RESULT IN GUSTY WINDS THIS MORNING.

CAZ033-011200-
/O.NEW.KPSR.WI.Y.0003.140401T0708Z-140401T1200Z/
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO
1208 AM PDT TUE APR 1 2014

...WIND ADVISORY IN EFFECT ACROSS IMPERIAL COUNTY UNTIL 5 AM PDT
THIS MORNING...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY FOR IMPERIAL COUNTY THROUGH 5 AM PDT.

* AFFECTED AREA...THE IMPERIAL VALLEY...THE SOUTH SHORES OF THE
  SALTON SEA...AND PORTIONS OF INTERSTATE 8 THROUGH IMPERIAL COUNTY.

* TIMING...UNTIL 5 AM.

* WINDS...25 TO 35 MPH WITH GUSTS TO 40 MPH.

* IMPACTS...STRONG WINDS...CROSS WINDS...AND SUDDEN GUSTS COULD
  IMPACT VEHICULAR TRAVEL THROUGH IMPERIAL COUNTY. ALSO...LOCALLY
  REDUCED VISIBILITIES IN BLOWING DUST AND SAND COULD ALSO OCCUR.

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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Fig A-9: An Urgent Weather Message issued for Imperial County included a Wind Advisory until 05:00 on April 1, 2014.
https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201404010708

FIGURE A-10
URGENT WEATHER MESSAGE FOR APRIL 1, 2014

```
453
WWUS75 KPSR 012117
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
217 PM MST TUE APR 1 2014

.ANOTHER ROUND OF STRONG WEST WINDS EXPECTED TONIGHT.

CAZ033-020700-
/O.NEW.KPSR.WI.Y.0004.140402T0200Z-140402T0700Z/
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO
217 PM PDT TUE APR 1 2014

...WIND ADVISORY IN EFFECT FROM 7 PM THIS EVENING TO MIDNIGHT PDT
TONIGHT...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 7 PM THIS EVENING TO MIDNIGHT
PDT TONIGHT.

* AFFECTED AREA...THE IMPERIAL VALLEY INCLUDING EL CENTRO...THE SOUTH
  SHORES OF THE SALTON SEA...AND PORTIONS OF INTERSTATE 8 THROUGH
  IMPERIAL COUNTY.

* TIMING...EARLY EVENING THROUGH MIDNIGHT LOCAL TIME.

* WINDS...25 TO 35 MPH WITH GUSTS TO 40 MPH.

* IMPACTS...STRONG GUSTY WEST TO SOUTHWEST WINDS COULD IMPACT TRAVEL
  OVER THE REGION...ESPECIALLY FOR NORTH-SOUTH ORIENTATED ROADWAYS.
  ALSO...LOCALLY REDUCED VISIBILITIES DUE TO BLOWING DUST AND SAND
  ARE POSSIBLE.

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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Fig A-10: An Urgent Weather Message issued during the afternoon of April 1, 2014 included a Wind Advisory from 7 p.m. to midnight for Imperial County. https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201404012117

FIGURE A-11
SMOKE TEXT PRODUCT FOR MARCH 30, 2014 TO 31, 2014

Sunday, March 30, 2014

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0215Z March 31, 2014

```
Southwestern US/Northwest Mexico:
A large amount of blowing dust could be seen in GOES imagery this evening
over northwest Mexico, southern California, Arizona, northwest New Mexico,
southeast Utah, and southwest Colorado before the dust disappeared beneath
clouds along the Continental Divide. A strong frontal boundary moving
through the Southwest with gusty winds was the cause of the blowing dust.

Western Gulf of Mexico:
An area of unknown aerosol was seen over the western Gulf of Mexico,
northeast Mexico, and far southern Texas. Additionally, a large amount
of smoke from Mexican and Central American fires could be seen moving
westward across Mexico and the eastern Pacific. Some of the aerosol seen
over the western Gulf and far southern Texas could be remnant smoke from
the Mexican fires as well.

Sheffler

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/Products/land/hms.html
GIS:    http://www.firedetect.noaa.gov/viewer.htm
KML:    http://www.ssd.noaa.gov/PS/FIRE/kml.html
ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov
```

Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.
- Widespread cloudiness may prevent the detection of smoke even from significant fires.

FIGURE A-12
SMOKE TEXT PRODUCT FOR MARCH 31, 2014 TO APRIL 1, 2014

Monday, March 31, 2014

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0115Z April 1, 2014

Central and Southern Plains:
A storm system tracking east across the northern Plains is producing strong winds to its south, which has led to a rather expansive area of blowing dust/sand. Blowing dust/sand is seen to originate from southwest Nebraska, eastern Colorado, and Oklahoma panhandle. Area of blowing dust/sand extends as far east as Iowa/southwest Wisconsin back across Missouri, southern Nebraska, Kansas, eastern Colorado, northern Oklahoma, and as far south as panhandle of Texas. In general dust/sand is moving south and east. Additionally, a large fire located in western Oklahoma has been producing light to moderately dense smoke since around 2045Z. This smoke plumes extends east reaching the Oklahoma/Arkansas border.

New Mexico:
Area of blowing dust/sand originating just west of Alamogordo, NM is seen extending toward the east-northeast.

Western Gulf of Mexico:
An area of unknown aerosols could be seen covering most of the western Gulf of Mexico, southern Texas, and eastern Mexico this evening. This area of aerosols appears to be remaining rather stationary. Portions of this area of aerosols over the southern Gulf of Mexico and southern Mexico may be mixing with smoke from western Central America fires.

Southern California:
Area of unknown aerosols (possibly dust from Asia) is seen drifting east across southern California. Based on satellite imagery and the presence of strong surface winds that dust/sand is being blown to the east originating from an area just west of the Salton Sea.

Warren

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/Products/land/hms.html
GIS: http://www.firedetect.noaa.gov/viewer.htm
KML: http://www.ssd.noaa.gov/PS/FIRE/kml.html
ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO SSDFireTeam@noaa.gov

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Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.

Figs A-11 & A-12: NOAA'S Satellite Information service issued two Smoke Text Products during the wind event. Satellite imagery detected a large amount of dust over southern California caused by gusty winds associated with the front moving through the area. A second notice identified the source area as west of the Salton Sea. This supports the dust and particulate matter suspended in the air as shown in **Figures 5-2 and 5-3**

FIGURE A-13
COACHELLA VALLEY HAMMERED BY WINDS – PAGE 1

Palm Springs weather | DesertSun.com | The Desert Sun

Sherry Barkas, The Desert Sun 9:42 p.m. PDT March 30, 2014

41 CONNECTEMAILMORE

The Coachella Valley was hammered by winds again Sunday, creating some travel woes and forcing at least one event to end early.

Forecasters said winds were sustained between 20 and 30 mph, with gusts reaching up to 50 mph in the morning.

The wind and dust created some visibility issues for motorists in various parts of the Coachella Valley, which was under a wind advisory for part of the day.

In Palm Springs, officials on Sunday temporarily closed Vista Chino and Gene Autry Trail at the wash due to "zero visibility" from the wind and sand, according to Palm Springs Police Department. Both roads were reopened by Sunday evening.

Travelers at Palm Springs International Airport reported that some inbound flights were diverted to Ontario and Los Angeles International airports due to the winds. It marked the second time in a week that weather disrupted travel into Palm Springs.

FIGURE A-13
COACHELLA VALLEY HAMMERED BY WINDS – PAGE 2

Airport Executive Director Tom Nolan could not be reached Sunday.

In Rancho Mirage, a street sign at the corner of Dinah Shore Drive and Shoppers Lane was reported dangling by a wire and crews are on their way to repair that, Riverside County sheriff's Deputy Armando Munoz said.

But Munoz said no other traffic hazards had been reported.

Windy weather forced the City of Rancho Mirage's first Race to be Ready emergency preparedness expo to shut down after only two hours Sunday morning, as vendors were having trouble keeping items from blowing off tables.

"It's really too bad," said Mary Levine, an event organizer and member of the city's Emergency Preparedness Commission. The event had been in the works since last year.

"We hope to do it again next year," Levine said.

41 CONNECT

Fig A-13: High winds created visibility issues in the Coachella Valley and caused flights to be diverted from Palm Springs International Airport (KPSP), along with creating other hazards on March 30, 2014. The winds were caused by the strong weather system that impacted the Imperial Valley and a wide area of southeastern California. Source: The Desert Sun online

FIGURE A-14
HIGH WINDS STRIKE COACHELLA VALLEY

Palm Springs weather | DesertSun.com | The Desert Sun

Staff and wire reports 6:55 a.m. PDT March 31, 2014

375 CONNECTEMAILMORE

PALM SPRINGS – Strong and gusty west winds are in store for the Coachella Valley and Riverside County mountain areas later Monday, meteorologists said.

"A low pressure system from the Gulf of Alaska will bring stronger onshore flow with strong gusty west winds for the mountains and deserts for late this afternoon through Tuesday morning," according to the National Weather Service.

The agency issued a wind advisory for the mountains and Coachella Valley from 4 p.m. Monday to 10 a.m. Tuesday, saying sustained winds of 20 to 30 miles per hour and widespread gusts up to 55 mph were likely. Also, isolated gusts up to 65 mph were possible.

A wind advisory is issued when winds of 35 mph or greater are expected.

"The winds will make driving difficult, especially for motorists with high profile vehicles," the NWS said. "Watch for broken tree limbs and other debris."

On Sunday sustained winds and blowing sand and dust created low to no visibility at times. Palm Springs police closed Gene Autry Trail and Vista Chino at the north end of the city for part of the day and Rancho Mirage's first Race to Be Ready run was cut short.

Fig A-14: High winds were forecast to strike the Coachella Valley and Palm Springs area over a multi-day period. The winds were caused by the strong weather system that impacted the Imperial Valley and a wide area of southeastern California. Source: The Desert Sun online

FIGURE A-15
IMPERIAL COUNTY ISSUED NO BURN DAY ON MARCH 30, 2014

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

Date: Sunday March 30 2014

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	53	S 3	10
8 AM	58	WSW 5	10
9 AM	64	W 5	10
10 AM	73	CALM	10
11 AM	77	VRBL 3	10
NOON	80	VRBL 6	10
1 PM	83	VRBL 6	10
2 PM	84	ESE 9	10
3 PM	86	SE 8	10
4 PM	86	E 9	10
5 PM	86	E 3	10
6 PM	84	CALM	10
7 PM	84	SE 5	10
Max. Temperature yesterday was 86 degrees			

Today's Mt. Signal Visibility at 7:30 AM NO NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 82

	Local Forecast (Issued 8 AM Local)		Computer Forecast (RUC 40KM 12Z)	
Est. Time Mixing Height reaches 3000 feet				
Forecast of Maximum Mixing Height		feet		feet
Forecast for Morning surface winds	W 10-20 G30	mph	W 10-20 G30	mph
Forecast for afternoon surface winds	W 10-20 G30	mph	W 10-20 G30	mph
Forecast for evening surface winds	W 10-20	mph		
Forecast 10 AM - 3 PM transport winds	WNW 16	mph		

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES
Total actually burned today _____ acres Crops burned _____

Fig A-15: Is 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 on March 30, 2014

FIGURE A-16
IMPERIAL COUNTY ISSUED NO BURN DAY ON MARCH 31, 2014

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

Date: Monday March 31 2014

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	65	W 24 G35	10
8 AM	65	W 17 G28	10
9 AM	68	W 8	10
10 AM	72	W 15	10
11 AM	74	VRBL 6	10
NOON	78	WSW 9	10
1 PM	80	NW 16 G24	10
2 PM	82	NW 15 G21	10
3 PM	82	NW 13 G23	10
4 PM	82	NW 13 G20	10
5 PM	82	W 10	10
6 PM	82	NNW 3	10
7 PM	76	WSW 15	10
Max. Temperature yesterday was 82 degrees			

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

Forecasts
High Today 83

	Local Forecast (Issued 8 AM Local)		Computer Forecast (RUC 40KM 12Z)	
Est. Time Mixing Height reaches 3000 feet			3,000	
Forecast of Maximum Mixing Height		feet	7,500	feet
Forecast for Morning surface winds	W 15-25	mph	W 15-25	mph
Forecast for afternoon surface winds	W 15-25	mph	W 15-25	mph
Forecast for evening surface winds	W 15-25	mph		
Forecast 10 AM - 3 PM transport winds	W 15-20	mph		

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES
Total actually burned today _____ acres Crops burned _____

Fig A-16: Is 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 on March 31, 2014

FIGURE A-17
IMPERIAL COUNTY ISSUED NO BURN DAY ON APRIL 1, 2014

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

Date: Tuesday April 1 2014

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

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	53	WNW 12	10
8 AM	60	WNW 9	10
9 AM	68	W 7	10
10 AM	72	W 8	10
11 AM	75	WNW 5	10
NOON	77	VRBL 5	10
1 PM	82	WSW 7 G16	10
2 PM	83	WSW 20 G24	10
3 PM	84	SW 18 G30	10
4 PM	82	WSW 25 G32	10
5 PM	N/A	N/A	N/A
6 PM	76	W 23 G29	10
7 PM	71	W 22	10
Max. Temperature yesterday was 84 degrees			

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

Forecasts
High Today 75

	Local Forecast (Issued 8 AM Local)		Computer Forecast (RUC 40KM 12Z)	
Est. Time Mixing Height reaches 3000 feet			9:00	
Forecast of Maximum Mixing Height		feet	5,500	feet
Forecast for Morning surface winds	W 15-25 G30	mph	W 15-25 G30	mph
Forecast for afternoon surface winds	W 15-25 G35	mph	W 15-25 G35	mph
Forecast for evening surface winds	W 15-25 G35	mph		
Forecast 10 AM - 3 PM transport winds	W 15	mph		

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES
Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int MC

Fig A-17: Is 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 on April 1, 2014

FIGURE A-18
COMPLAINT RECEIVED APRIL 1, 2014

IMPERIAL COUNTY
AIR POLLUTION CONTROL DISTRICT
COMPLAINT # 6706

Date	Time	Initial	Supplemental
4/1/14	2:30		

Complainant Name: Jony Norr
Complainant Address: 695 Worthington
Imperial

Phone: (760) 791-6115

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

Jony Norr called to complain that on Worthington & Austin wind is blowing alot of dust. Also mentioned that its a house but big acres that was cleared and now blowing alot of dust.

Statement of Source (Inspector's Report):

Fig A-18: Is a copy of a filed dust complaint made by a resident of Imperial County on April 1, 2014. The complaint asserted that dust was impacting a residence across from a vacant lot in Imperial. The follow up investigation by the investigating inspector concluded the dust emissions were due to strong winds at the area and not from the vacant lot, no violations were issued. The cited vacant lot in Imperial is located approximately 12 miles, Southwest of Brawley monitor

FIGURE A-19
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-19: 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 30, 2014 and April 1, 2014. The date for closing comments was February 3, 2017

FIGURE A-20
IMPERIAL COUNTY COMMENTS
REGARDING THE MARCH 30, 2014 AND APRIL 1, 2014 EE DEMONSTRATION

The Air District received no comments on the March 30, 2014 and April 1, 2014 Exceptional Event Demonstration