

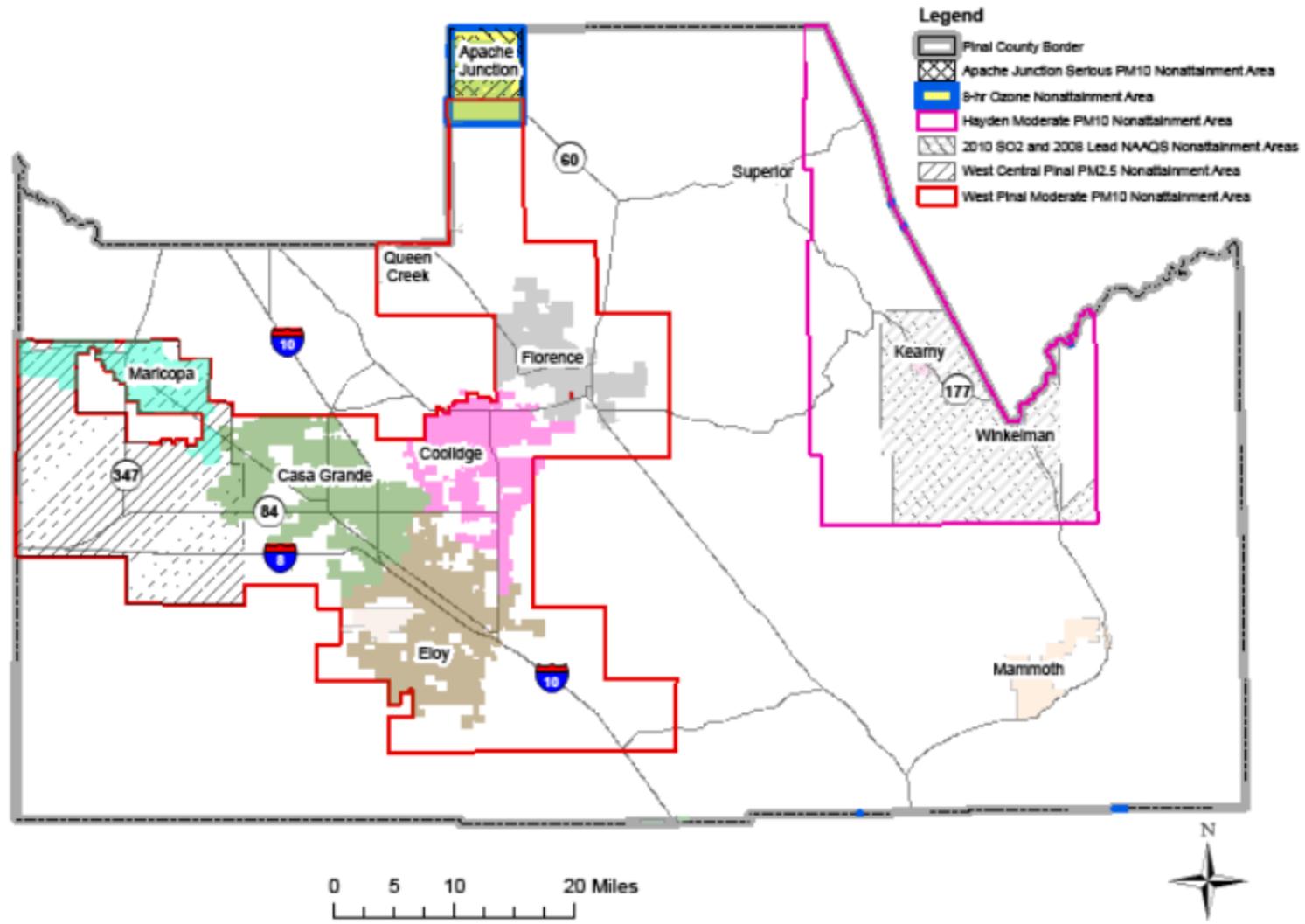
# West Pinal PM10 Nonattainment Area Fugitive Dust Rule

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KALE WALCH

1/25/16

# Pinal County Nonattainment Areas



# Who is subject to the Nonattainment Area Fugitive Dust Rule

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Open Area / Vacant Lots

Unpaved Lots

Unpaved public roads

Paved public roads

The rule and guidance material is available at

<http://www.pinalcountyz.gov/AirQuality/Dust/Pages/home.aspx>

# Unpaved Lot versus a Open Area/Vacant Lot

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Unpaved Lot – has an ongoing activity on it

- Any area that is not paved and that is used for parking, maneuvering, material handling, or storing motor vehicles and equipment
- Included but no limited to automobile impound yards, wrecking yards, automobile dismantling yards, salvage yards, material handling yards, and storage yards

Open Area / Vacant Lot – does not currently have activity on it, but has disturbed areas

- Vacant portions of residential or commercial lots
- Unsubdivided or undeveloped land
- Subdivided land that contains no approved or permitted structures
- Partially developed land

# Open Areas / Vacant Lots

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Do not exceed 20 % opacity on the property

- Assessed via EPA Method 9, 203A or 203C

Upon evidence of trespass install no trespassing signs and/or barriers

Lots of 1 acre or larger with 0.5 acre or more of disturbed area must:

- Apply and maintain water or dust suppressant; or
- Establish vegetation; or
- Install and maintain pavement; or
- Apply and maintain gravel uniformly; or
- Apply and maintain chemical stabilizers; or
- Apply and maintain a control measure approved by the Control Officer AND the EPA Administrator
- Within 30 days sign up for the Pinal County Dust Control Forecast
- Stabilize the lot the day leading up to and the day forecast to be high risk for dust

# Open Areas / Vacant Lots Continued

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Vegetation cannot be removed from any Open Areas / Vacant Lots by blading, discing, plowing or other means without implementing all of the following

- Applying a dust suppressant to the disturbed area prior to and during removal
- Preventing track out onto paved surfaced
- Applying a dust suppressant, gravel, compaction or alternative control measure that stabilizes the entire disturbed surface immediately following weed abatement

Stabilization is determined by one of the following

- Visible crust as determined by the drop ball test
- A threshold friction velocity of 100 cm/second or higher
- Flat vegetation cover of at least 50%
- Standing vegetation cover of at least 30%
- Standing vegetation cover of at least 10 % AND a threshold friction velocity of at least 43 cm/sec

# Unpaved Lots

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Unpaved lots greater than 5000 square feet shall:

- Not allow opacity to exceed 20% on the property
- Not allow silt loading to exceed 0.33 oz/ft<sup>2</sup> or not allow silt content to exceed 8%
- Implement at least one of the following
  - Pave; or
  - Apply and maintain dust suppressants to stabilize the surface
  - Apply and maintain gravel to stabilize the surface
  - Apply and maintain an alternative control measure approved by the Control Officer and the EPA Administrator

# Unpaved Roads

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The County and Cities must annually treat 15 miles of dirt roads with average daily trips (ADT) of 150 or more

Chip seal counts as paving in this case

Roads treated with chemical dust suppressants only count if the road is treated annually until paved

For 2019 and beyond the County and Cities can take credit for paving roads below 150 ADT on a reduced scale (the lower the ADT the less credit)

# Paved Public Roads

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Applies to all owners or operators

Trackout of 50 feet or more must be cleaned up:

- Within 24 hours of discovery
- Restrict access if needed
- Use methods that do not create another source of dust, i.e. manual sweeping, rotary brush with water application, PM10 efficient street sweeper, flushing with water
- If using a rotary brush the opacity must be below 20%
- Flushing with water is allowed if complying with storm water rules and/or AZPDES permit requirements

The County and Cities must apply dust suppressants to disturbed surfaces prior to, during and after work on unpaved shoulders and must prevent trackout

# Recordkeeping / Reporting

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- Must keep records on control measures implemented for at least 2 years
- Records must be available upon request
- The County and Cities must submit an annual report summarizing unpaved road segments and road segments that have been paved
- Opacity requirements shall not apply during wind events if all applicable control measures are implemented, applied and maintained and all surface areas are stabilized

# Contact Information

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