SOUTHERN UTE INDIAN TRIBE

AMBIENT MONITORING UPDATE

2017

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2017 AMBIENT MONITORING UPDATE

- Air monitoring stations:
  - Ute 1 (Ignacio)
  - Ute 3 (Bondad)
  - Mobile Monitoring Station (Lake Capote)

- Criteria pollutants measured:
  - Ozone
  - Nitrogen Dioxide
  - Carbon Monoxide (Ute 1 only)
  - Sulfur Dioxide (Lake Capote only)
  - PM10 (Ute 3 only)
  - PM2.5 (Ute 3 only)

- Meteorological conditions measured:
  - Wind speed and direction
  - Relative humidity
  - Ambient temperature
  - Solar radiation
  - Precipitation
  - Visibility (Ute 3 only)
• National Ambient Air Quality Standard: (NAAQS) Ozone: 70 ppb

• Ozone Design Values (Fourth highest maximum averaged over a three year period):
  • Design Values are calculated for each air monitoring station within a county. The highest values reported by an air monitoring station in that county is the Design Value for that county.

• Design values for Ute1 are listed below:
  • 2016: 68
  • 2015: 68
  • 2014: 67
  • 2013: 69
  • 2012: 69
• National Ambient Air Quality Standard: (NAAQS) Ozone: 70 ppb

• Ozone Design Values
  (Fourth highest maximum averaged over a three year period)

• Design values for Ute 3 are listed below:
  • 2016: 67
  • 2015: 66
  • 2014: 67
  • 2013: 68
  • 2012: 68
## National Ambient Air Quality Standard: (NAAQS) NO2: 100 ppb

<table>
<thead>
<tr>
<th>Year</th>
<th>Year 1: 98th Percentile</th>
<th>Year 2: 98th Percentile</th>
<th>Year 3: 98th Percentile</th>
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</tbody>
</table>
• Ambient methane is measured at two locations:
  • Ute 3 air monitoring Station
  • Lake Capote air monitoring station.
    • The lake capote station was setup May 1, 2017.
• Ambient concentrations at both stations are measured using Thermo Scientific methane and non-methane gas analyzers.
• Average Methane concentrations measured:
  • Bondad: 2.2ppm
  • Lake Capote: 1.8ppm
Southern Ute Air Monitoring web page

US EPA’s AirNow Web page: https://www.airnow.gov/