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## **PADEP to Expand Ambient Air Quality Network**

### **Lead**

On December 14, 2010, USEPA lowered the lead source-oriented monitoring threshold of 1 tpy of lead emissions to 0.5 tpy of lead emissions. To comply with the 1 tpy standard, PADEP installed/upgraded 14 lead samplers, ACHD has installed/upgraded three lead samplers, and Philadelphia Air Monitoring Services (AMS) has installed/upgraded one lead sampler. PADEP plans to install eight additional samplers to comply with the December 2010 siting criteria in the Lancaster (1), Pittsburgh (3), Allentown-Bethlehem-Easton (1), Indiana (1), Montour County (1), and Greene County (1) locations.

### **NO<sub>2</sub>**

On January 22, 2010, USEPA set a new 1-hour primary NAAQS for NO<sub>2</sub> of 100 parts per billion (short-term). All “near road-side” NO<sub>2</sub> samplers must be operational by January 1, 2013. PADEP plans to install four near road-side NO<sub>2</sub> samplers in Allentown-Bethlehem-Easton (1), Harrisburg-Carlisle (1), Lancaster (1), and Scranton-Wilkes Barre (1) locations. ACHD must install one near road-side NO<sub>2</sub> sampler and the Philadelphia AMS must install two samplers. The total NO<sub>2</sub> monitoring network will increase to 22 monitors.

### **SO<sub>2</sub>**

On June 2, 2010, USEPA established a short-term SO<sub>2</sub> primary standard of 75 ppm measured over one hour. All samplers required by this NAAQS must be operational by January 1, 2013. PADEP plans to install two additional SO<sub>2</sub> samplers in Bloomsburg-Berwick and Youngstown-Warren-Boardman locations. The total SO<sub>2</sub> monitoring network will increase to 22 monitors.

### **Ozone**

USEPA has delayed issuance of revised ozone NAAQS until July 31, 2011. There should be minimal impact since the ozone monitoring network is strong in Pennsylvania.