

**Wisconsin Department of Natural Resources
Natural Resources Board Agenda Item**

SUBJECT: Donation acceptance – Air Monitoring Equipment, Computer Hardware and Computer Software from Lake Michigan Air Directors Consortium

Air Monitoring Equipment, Computer Hardware and Computer Software from Lake Michigan Air Directors Consortium will donate air monitoring equipment, computer hardware and computer software valued at \$100,164). This donation will be used to monitor air quality and various meteorological parameters; model air quality and estimate pollutant emissions.

FOR: December 2013 Board meeting

TO BE PRESENTED BY: Secretary Stepp

SUMMARY:

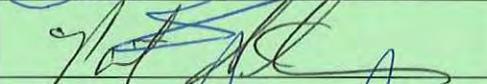
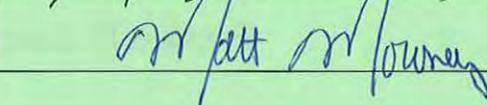
The donated monitoring equipment will be used to measure pollutants and various meteorological parameters. Most of this equipment is already in use at Wisconsin air monitoring sites. Some of this equipment was originally used for a special study (Biomass Fuel Usage at Wisconsin Power Plants) conducted in Grant and Ashland counties. The donated computer hardware and software is being used to model air quality and estimate pollutant emissions. The monitoring equipment includes:

- 1) Two API sulfur dioxide analyzers (model M100E); 2) Two API nitrogen oxides analyzers (model M200E); 3) Two external nitrogen oxides pumps; 4) MetOne BAM-1020 fine particulate FEM configuration monitors; 5) Two MetOne Super SASS sequential samplers with eight channels; 6) One MetOne meteorological system including wind direction sensor, wind speed sensor, relative humidity sensor, barometric pressure sensor, temperature sensor and rack mounted translator box; 7) Photometric calibrator; 8) Twenty URG annular denuders with three channels; 9) Four URG port drying manifold; 10) Magee Scientific dual beam aetholometer (model AE21-ER-P3-FO); 11) Campbell Scientific CR10X measurement and control module; 12) DACCO mobile trailer (model CS822); 13) Teledyne-API sulfur dioxide analyzer (model 100A); 14) Two API continuous ozone monitors(model 400A); 15) American digital camera (model DSC 85)

The computer hardware and software includes:

- 1) External harddrive; 2) Aspen Systems data server; 3) Netgear router box (model GS524T); 4) Systemax Venture PC (model HU2 851 BTO); 5) IBM server and back-up; 6) S-Plus 6.2 statistical software

RECOMMENDATION: That the Board accept the generous donation of air monitoring equipment, computer hardware and computer software valued at \$100,164) from Air Monitoring Equipment, Computer Hardware and Computer Software from Lake Michigan Air Directors Consortium

| Approved by | Signature | Date |
|----------------------------------|--|----------|
| Bart Sponseller, Bureau Director |  | 9/12/13 |
| Pat Stevens, Administrator |  | 9/12/13 |
| Cathy Stepp, Secretary |  | 11/13/13 |

cc: Board Liaison - AD/8
Department rule coordinator – LS/8

Acknowledgment of Gift

This is to certify that at its December 2013 meeting, the Natural Resources Board gratefully accepted a gift of air monitoring equipment, computer hardware and computer software valued at \$100,164) from:

Air Monitoring Equipment, Computer Hardware and Computer Software from Lake Michigan Air Directors Consortium

This donation will be used to monitor air quality and various meteorological parameters; model air quality and estimate pollutant emissions.

Our expression of appreciation on behalf of Wisconsin's citizens is hereby recorded in the official records of the Natural Resources Board. We acknowledge this generous contribution.

Natural Resources Board

Preston D. Cole, Chair