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Issue 27

Ecotech to promote IAQ instruments at MIECF 2013

Our distributors in Macao – Ecotech Environmental will participate in the upcoming Macao International Environmental Co-operation Forum & Exhibition (MIECF) 2013 which will be held on March 21-23.



Event Website - www.macaomiecf.com/miecf2013

Ecotech have chosen IAQ as their theme for this year's event, they will have some of PPM's instruments at their booth to display and demonstrate to delegates.

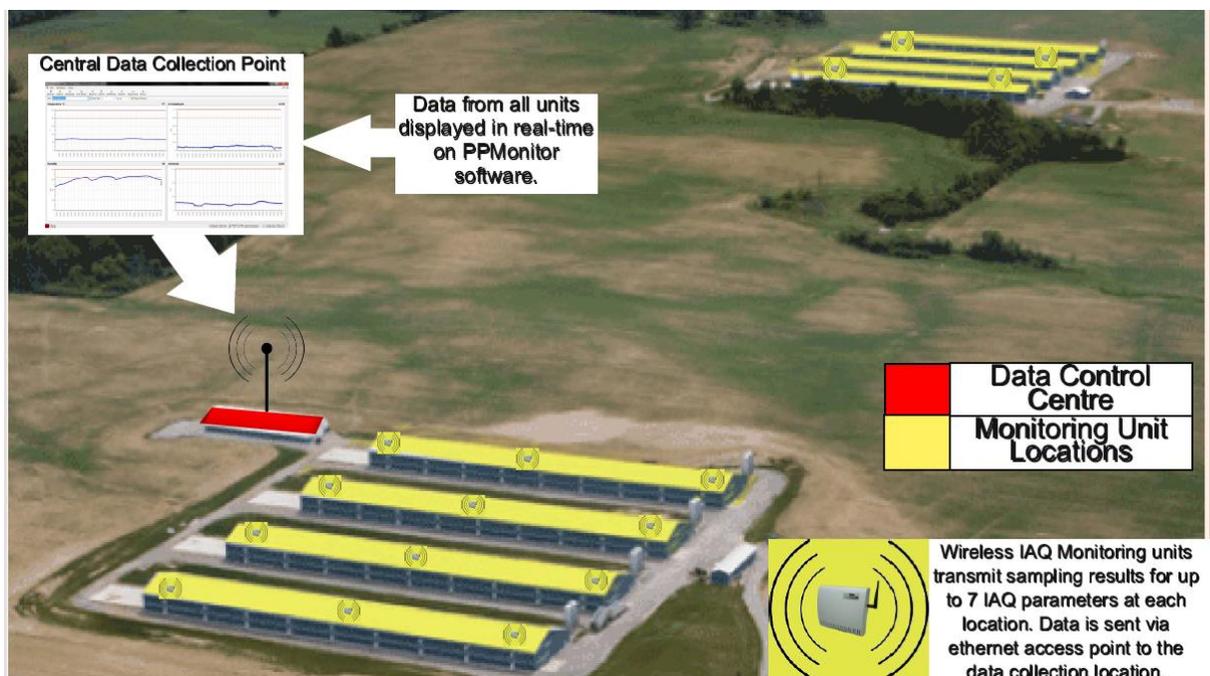
Ecotech website - www.ecotech.mo

Monitoring air quality in the agricultural industry.

The diagram below demonstrates IAQ monitoring on a large-scale poultry farm, typically this environment will require sensors for monitoring Temperature, Humidity, Ammonia and Formaldehyde. Ammonia gas is produced when uric acid in the birds faeces breaks down. High ammonia levels can damage the respiratory tract of the bird making them vulnerable to infections.

Formaldehyde is used in the poultry industry as an effective disinfectant on farms and in hatcheries. It is used to reduce contamination levels caused by bacteria, viruses and moulds at all levels in the production chain.

Our instruments are also commonly used in animal feed storage facilities. It is advised to regularly detect Formaldehyde concentrations in the air in these facilities to ensure employees aren't exposed to a dangerous level.



If you have any relevant stories, including any recent or upcoming exhibitions, application stories or customer testimonials that you want to be included in the next newsletter please feel free to contact us:

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Minnesota updates ice rink Air Quality legislation.

Minnesota's Department of Health has revised of the existing rules (pertaining to indoor ice arenas). The rules require arena owners/operators to take immediate corrective action when measurements of more than 20 ppm of carbon monoxide or 0.3 ppm of nitrogen dioxide are made in an area of the arena building that is open to the public.

Our Wireless IAQ Profile Monitor has been installed in a number of indoor ice rinks in Minnesota and elsewhere. Indoor Air Quality (IAQ) is a significant concern in ice rinks and arenas; these facilities are especially vulnerable to the effect of an unhealthy indoor environment as fuel-burning equipment such as ice resurfaces are used indoors. The parameters commonly monitored in ice rinks/arenas are temperature, relative humidity and also carbon monoxide and nitrogen dioxide.

Should an unacceptable level be detected our instruments can automatically engage the ventilation system to bring the levels of carbon monoxide and nitrogen dioxide down.

China names Formaldehyde amongst priority chemicals for prevention and control.

58 chemicals or substances categorised in 3 sub-groups have been confirmed as prioritised objectives for environmental risk prevention and control.

Formaldehyde has been listed as a 'Characteristic Chemical', this specifies that release to the environment should be controlled and eventually reduced by intensifying the environment impact assessment, accomplishing relevant standards, improving monitoring and improving the supervising mechanisms.



Formaldehyde is also listed as a 'Chemical related with environmental accidents' which stipulates that environmental accidents must be stopped by strengthening management, reinforcing the early-warning and contingency mechanism, and intensifying rapid response procedures.

Link (Chinese) - http://www.mep.gov.cn/gkml/hbb/bwj/201302/t20130220_248271.htm
News item (English) - <http://chemicalwatch.com/index.cfm?go=13952>

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