

January 3, 2006

- **EPA Recommends Interim Approval of Fluoroprobe® luminescent dissolved oxygen Method**

Recommendation for Interim Approval of ASTM International Standard Test Method D888-05 (ATP Case No. N05-0046)

The U.S. Environmental Protection Agency (EPA) has recommended to each of its EPA Regions the use of ASTM International D888-05 Standard Test Methods for Dissolved Oxygen in Water, Test Method C (Luminescence-based Sensor Procedure) for use in measuring DO in wastewater and for use in measuring DO in methods approved at Title 40 of the Code of Federal Regulations, for measuring BOD.

- **ASTM affirms luminescent dissolved oxygen (Fluoroprobe®) method as Standard for water analysis**

Waynesville, NC August 15, 2005— Environmental Instruments, LLC, makers of the world's first commercial luminescent dissolved oxygen probe, has learned that the ASTM International standards development organization has recently affirmed luminescent dissolved oxygen (**Fluoroprobe®**) methodology as one of three ASTM standard methods for measuring dissolved oxygen in water. After thorough evaluation, the ASTM D19 Committee for water has incorporated the results of a USEPA inter-laboratory validation study into ASTM Standard D888, Standard Test Method for Dissolved Oxygen in water. The revised standard – now listing the luminescent dissolved oxygen (**Fluoroprobe®**) method (Method C) along with traditional Winkler titration (Method A) and electrochemical (membrane) method (Method B) – will be published under Standard D888-05 in the Annual Book of ASTM Standards, Volumes 11.01 and 11.02.

Known originally as the American Society for Testing and Materials (ASTM), ASTM International has the long standing trust of end users in industry, municipalities, and the USEPA for the development of technical standards and practices for materials, products, systems, and services. The organization's consensus body is representative of manufacturers, users, consumers, government, and academia from more than 100 countries. Incorporation into the ASTM Standard D888 affirms, through technical consensus, the performance of the luminescent dissolved oxygen (Fluoroprobe®) method for measuring dissolved oxygen concentration in water.

The *Patented Fluoroprobe®* is the world's first (1997) commercial luminescent/optical dissolved oxygen probe. With installations throughout the world, Fluoroprobe® technology has changed the way the world measures oxygen. There are no membranes and no electrolyte and the sensor is warranted for FIVE YEARS. Repeated tests in the field and laboratory have proven the durability, accuracy, precision, and reduced maintenance that the *Patented Fluoroprobe®* technology offers. For additional information on luminescent dissolved oxygen (**Fluoroprobe®**) please refer to **PATENT NUMBER 5,030,420** at the U.S. Patent Office website: www.uspto.gov. Click Search under Patents, next click Patent Number Search.

For More Information contact:

Environmental Instruments, LLC • 144 Industrial Park Drive Suite A-3 • Waynesville, NC 28723

Phone: 828-452-7776 Fax: 828-452-7076

website: www.thefluoroprobe.com email: envinst5@bellsouth.net




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN - 3 2006

OFFICE OF
WATER

MEMORANDUM

SUBJECT: Recommendation for Interim Approval of ASTM International Standard Test Method D 888-05 (ATP Case No. N05-0046)

FROM: William A. Telliard 
Director of Analytical Methods

TO: USEPA Regional Administrators (all Regions)

In accordance with the authority specified at 40 CFR part 136.5, I recommend that each EPA Region grant interim approval of ASTM International D 888-05 *Standard Test Methods for Dissolved Oxygen in Water* (ATP Case No. N05-0046) for measurement of dissolved oxygen (DO) in wastewater and in for use in measuring DO in methods approved at Title 40 of the *Code of Federal Regulations*, Part 136.3 (40 CFR Part 136.3) for measuring biochemical oxygen demand (BOD). EPA has reviewed the methods and supporting validation data and determined that the methods, including a new procedure, Test Method C (Luminescence-Based Sensor Procedure), meet all requirements for approval as compliance monitoring methods. We recommend that the interim approval be effective from the date of this memorandum to the effective date of a final rule(s) promulgating the methods in the *Federal Register*.

If I can be of any additional assistance on this matter or others, please contact me at telliard.william@epa.gov or at 202/566-1061 at your convenience.

cc: Quality Assurance Managers (all Regions)
Water Management Division Directors (all Regions)
ATP Coordinators (all Regions)
Len Morrissey, ASTM International
Kevin Roberts, CSC, SCC