

## PORTABLE BOD METER PROVIDES FAST WASTEWATER TOXICITY TESTS

BETHLEHEM, Pa. (2007) — A portable BOD meter from Bioscience, Inc., provides rapid evaluation of influent toxicity to avoid biomass inhibition or die-off in wastewater treatment plants. Accurate toxicity readings can be obtained in as little as 45 minutes, so that toxic or inhibitory waste streams can be diverted.

The EZ-BOD meter utilizes measurements of dissolved oxygen (DO) and specific oxygen uptake rate in a stirred and aerated reaction vessel. The reactor is filled with the wastewater to be evaluated and seeded with sludge from the treatment plant. Continuous DO measurements feed into an on-board computer programmed to convert the readings to a treatability index,

The meter, which weighs just ten pounds, includes a membrane keypad, LCD screen readout, printer, aeration pump and DC stir motor. Other built-in programs enable the operator to evaluate treatment plant biomass activity in as little as five minutes, and to accurately predict five-day BOD readings of samples.

Information from the EZ-BOD can be stored on a disk or downloaded to a PC for a permanent record.

For further information call 484-245-5232, FAX 484-245-5236, e-mail [bioscience@bioscienceinc.com](mailto:bioscience@bioscienceinc.com), or visit the Web site at [www.bioscienceinc.com](http://www.bioscienceinc.com).