

January 31, 2003

Mr. Glenn Haas, Director
Division of Watershed Management
Department of Environmental Protection
1 Winter Street
Boston, MA 02108

Ms. Linda Murphy, Director
Office of Ecosystem Protection
U.S. Environmental Protection Agency
Water Technical Unit "SEW"
P.O. Box 8127
Boston, MA 02114

Re: Massachusetts Water Resources Authority, Permit Number MA0103284
Part I.7 Quarterly Ambient Monitoring Report

Dear Mr. Haas and Ms. Murphy:

I am pleased to submit MWRA's quarterly report on ambient monitoring results.¹ This quarter's submission includes four reports:

1. *Addendum to the 1998-99 Hydrodynamic Modeling Report*, supplementary documentation on hydrodynamic model runs for 1998 and 1999 which was requested by the Bays Eutrophication Model Evaluation Group, a subcommittee to the Outfall Monitoring Science Advisory Panel
2. *2001 Outfall Benthic Monitoring Report*, MWRA's sediment monitoring in Massachusetts and Cape Cod Bays in 2001.
3. *Long-term Oceanographic Observations in Western Massachusetts Bay Offshore of Boston, Massachusetts: Data Report for 1989-2000*, a DVD-ROM produced by the U.S. Geological Survey as part of the special study of sediment transport described in the ambient monitoring plan.
4. *Stable Isotope Analyses of Sediment and Invertebrate Samples from Boston Harbor and Massachusetts Bay*, results of a special study that investigated stable isotope signatures in Boston Harbor and Massachusetts Bay.

MWRA will provide raw monitoring data upon request. Please let me know if any of MWRA's staff can give you additional assistance regarding these reports.

Sincerely,

Michael J. Hornbrook
Chief Operating Officer

¹ Part I.7.c.iv of the permit requires "The results of all monitoring required by the ambient monitoring plan or the eutrophication model shall be reported to EPA, MADEP, OMSAP and NMFS, on a quarterly basis."

Enclosures: Four reports

Butman B, Bothner MH, Lightsom FL, Gutierrez BT, Alexander PS, Martini MA, and Strahle WS. 2002. **Long-term Oceanographic Observations in Western Massachusetts Bay Offshore of Boston, Massachusetts: Data Report for 1989-2000.** U.S. Geological Survey Digital Data Series DDS-74. DVD-ROM

Hydroqual. 2002. **Addendum to the 1998-99 Hydrodynamic Modeling Report.** Boston: Massachusetts Water Resources Authority. Report ENQUAD 2002-17. 81 pp

Kropp RK, Diaz R, Hecker B, Dahlen D, Boyle JD, Abramson SL, Emsbo-Mattingly S. 2002. **2001 Outfall Benthic Monitoring Report.** Boston: Massachusetts Water Resources Authority. Report ENQUAD 2002-15. 137 pp plus appendices.

Tucker J, Giblin AE 2002. **Stable Isotope Analyses of Sediment and Invertebrate Samples from Boston Harbor and Massachusetts Bay.** Boston: Massachusetts Water Resources Authority. Report ENQUAD 2002-21. 24 p.

cc:

Environmental Protection Agency, Region I (EPA)

Matthew Liebman
Janet Labonte-Deshais
Eric Hall
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Cathy Coniaris

Outfall Monitoring Science Advisory Panel

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National Marine Fisheries Service

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