

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.<sup>1</sup> 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

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<sup>1</sup> 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  
Roger Janson

**Massachusetts Department of Environmental Protection (DEP)**

Steve Lipman  
Cathy Coniaris

**Outfall Monitoring Science Advisory Panel**

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James Shine  
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Robert Kenney

**National Marine Fisheries Service**

Chris Mantzaris

**Stellwagen Bank National Marine Sanctuary**

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Steve Tucker

**bcc (letter only):**

Nancy Kurtz  
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Carlton Hunt  
Liz Steele  
David Wu  
Sally Carroll  
Grace Vitale  
**NPDES file**