

January 11, 2008

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

Mr. Stephen Perkins, 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 Mr. Perkins:

I am pleased to submit MWRA's quarterly report on ambient monitoring results.<sup>1</sup> Three interpretive reports are available for submission this quarter. The first report evaluates whether MWRA's discharge could have had a substantial effect on the major red tide bloom experienced in Massachusetts waters in summer 2005. This report was submitted to EPA's Outfall Monitoring Science Advisory Panel, as well as to EPA and DEP technical staff, prior to the December 4, 2007 OMSAP meeting. The report is available online at <http://www.mwra.state.ma.us/harbor/enquad/pdf/2007-10.pdf>. One copy is included with this letter for EPA.

The second and third reports evaluate results of MWRA's calendar 2006 water quality and benthic monitoring, respectively. The quarterly ambient monitoring summary report that is required in the Contingency Plan is also attached.

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."

Enclosure: Three monitoring reports.

Anderson DM, Libby PS, Mickelson MJ, Borkman DG and McGillicuddy DJ. 2007. **The 2005 New England red tide of *Alexandrium fundyense*: observations, causes, and potential outfall linkages.** Boston: Massachusetts Water Resources Authority. Report 2007-10. 85 p. <http://www.mwra.state.ma.us/harbor/enquad/pdf/2007-10.pdf> .

Libby PS, Borkman D, Geyer WR, Keller AA, Mansfield AD, Turner JT, Anderson D, Oviatt CA, Hyde K. 2007. **Water Column Monitoring in Massachusetts Bay: 1992-2006.** Boston: Massachusetts Water Resources Authority. Report 2007-11. 228 p. <http://www.mwra.state.ma.us/harbor/enquad/pdf/2007-11.pdf>

Maciolek NJ, Diaz RJ, Dahlen DT, Hecker B, Williams IP, Hunt CD and Smith W. 2007. **2006 Outfall benthic monitoring report.** Boston: Massachusetts Water Resources Authority. Report 2007-08. 162 p. <http://www.mwra.state.ma.us/harbor/enquad/pdf/2007-08.pdf>

**cc:**

**Environmental Protection Agency, Region I**

**(EPA)**

Matthew Liebman

Todd J. Borci

Roger Janson (cover letter only)

**National Marine Fisheries Service**

Chris Mantzaris

**Stellwagen Bank National Marine Sanctuary**

Craig MacDonald

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

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**EOEA**

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**Hyannis Library**

Ann-Louise Harries

**Outfall Monitoring Science Advisory Panel**

Andrew Solow

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**MWRA Library**

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**Public Interest Advisory Committee**

Patty Foley (cover letter only)

**Cape Cod Commission**

John Lipman (cover letter only)