

A. FINAL PERMIT DOCUMENTS

1. Final permit, NPDES No. MA0100897 (April 10, 2015).
2. Response to Comments, NPDES No. MA0100897 (April 10, 2015).

B. OTHER PERMIT DOCUMENTS

1. Draft NPDES Permit No. MA0100897 (March 2013).
2. Fact Sheet, NPDES Permit No. MA0100897 (March 2013).
3. Public Notice, NPDES Permit No. MA0100897 (March 2013).
4. Extension Public Notice, NPDES Permit No. MA0100897 (April 2013).
5. Draft NPDES Permit No. MA0100897 (February 2007 - superseded).
6. Fact Sheet, NPDES Permit No. MA0100897 (February 2007 - superseded).
7. Application, NPDES Permit No. MA0100897 (2005).
8. Final Permit, NPDES Permit No. MA0100897 (March 2001)

C. PUBLIC COMMENTS

1. City of Taunton Comments. June 18, 2013.
 - i. Attachment A. Letter. Ronald Poltak, NEIWPC to Lisa Jackson, Administrator, US EPA. January 3, 2011.
 - ii. Attachment B. Declaration Before the Environmental Appeals Board. Steven C. Chapra. Re: Assessment of Whether the Department of Environmental Service's Approach to Nutrient Criteria Derivation in the Great Bay Estuary Used Reliable, Scientifically Defensible Methods to Derive Numeric Nutrient Criteria. February 27, 2013.
 - iii. Attachment C. Krumholz, J. 2012. Spatial and Temporal Patterns in Nutrient Standing Stock and Mass-Balance in Response to Load Reductions in a Temperate Estuary. Ph.D. Thesis. University of Rhode Island.
 - iv. Attachment D. Deacutis, C. and Pryor, D. 2011. Nutrient Conditions in Narragansett Bay & Numeric Nutrient Criteria Development Strategies for Rhode Island Estuarine Waters – Draft. Narragansett Bay Estuary Program.
 - v. Attachment E. US EPA Fact Sheet. Brayton Point Station, Somerset MA, Final National Pollutant Discharge Elimination System (NPDES) Permit. October 2003.

- vi. Attachment F. Pennock, J. 2005. 2004 Lamprey River Dissolved Oxygen Study, A Final Report to the New Hampshire Estuaries Project.
 - vii. Attachment G. Letter. Richard Langan and Stephen H. Jones, UNH to Eric Spear, City of Portsmouth, Dean Trefethen, City of Dover, and T.J. Jean, City of Rochester. February 19, 2013.
 - viii. Attachment H. Hydroqual. Technical Memorandum re Review of New Hampshire DES Total Nitrogen Criteria Development for the Great Bay Estuary. January 20, 2011.
 - ix. Attachment I. City of Taunton, Infiltration/Inflow Summary Report, January 1, 2012 – December 31, 2012 (Excerpt).
2. Comment letter. Taunton River Watershed Association and Mass Audubon (joint comments). June 13, 2013.
 3. Comment letter. The Nature Conservancy. May 23, 2013.
 4. Comment letter. Save the Bay. June 14, 2013.
 5. Comment letter. National Park Service. June 17, 2013.
 6. Comment letter. Upper Blackstone Water Pollution Abatement District. April 18, 2013.
 7. Comment letter. Town of Bridgewater. June 10, 2013.
 8. Comment letter. Mr. Tim Watts
 9. Comment letter. Rhode Island Department of Environmental Management. June 17, 2013.
 10. Comment letter on 2007 Draft Permit. Massachusetts Riverways Program
 11. Comment letter on 2007 Draft Permit. MassAudubon.
 12. Comment letter on 2007 Draft Permit. Taunton River Watershed Association.
 13. Comment letter on 2007 Draft Permit. Mr. Tim Watts.

D. SUPPLEMENTAL COMMENTS

1. Hall & Associates, July 22, 2014, with attachments
 - i. Attachment: Bierman, V.J., Diaz, R.J., Kenworthy, W.J. and Reckhow, K.H.. Joint Report of Peer Review Panel for Numeric Nutrient Criteria for the Great Bay Estuary. February 13, 2014.

- ii. Attachment: Memorandum. John Hall and Ben Kirby to Great Bay Municipal Coalition. Re: Compilation of Peer Reviewer Questions and Responses. May 29, 2014.
- 2. Hall & Associates, September 16, 2014, with attachments
 - i. Attachment: Letter. Thomas C. Hoye, Mayor to Curt Spalding and Nancy Stoner, US EPA. Re: Request for Meeting to Discuss Proposed Permit. July 24, 2014.
 - ii. Attachment: Chapra, S.C. Assessment of the Scientific Basis of the Taunton Wastewater Treatment Plant Draft NPDES Permit (MA0100897). September 4, 2014.
 - iii. Attachment: Chapra, S.C. Biosketch and Resume
- 3. Hall & Associates, November 25, 2014
- 4. Hall & Associates, January 8, 2015, with attachments
 - i. Attachment: Letter. Alexander English, Hall & Associates to National Freedom of Information Officer, US. EPA. Re: Freedom of Information Act Request for Records Associated with the Sentinel Site Method for Setting Nutrient Criteria. October 14, 2014.
 - ii. Attachment: Letter. Deborah G. Nagle, US EPA to Alexander English, Hall & Associates. Re: Freedom of Information Act Request EPA-HQ-2015-000462. December 24, 2014.
 - iii. Attachment: Letter. Deborah G. Nagle, US EPA to Alexander English, Hall & Associates. Re: Freedom of Information Act Request EPA-HQ-2015-000462. January 6, 2015.
 - iv. Attachment: Email. John Hall to Susan Murphy and Ken Moraff, US EPA. Re: City of Taunton – Draft Permit #MA0100897 – Supplemental comment submission and request for new analyses/reopening permit comment period. January 8, 2015.
 - v. Attachment: Swanson, C. et al. 2006. Modeling of Temperature Distributions in Mount Hope Bay Due to Thermal Discharges from the Brayton Point Stations. 13(Special Issue 4): 145-172.
 - vi. Attachment: Literature cited.
- 5. Hall & Associates, February 17, 2015
- 6. Hall & Associates, March 20, 2015, with attachments
 - i. Attachment: Letter. Kate Anderson, US EPA to Pilar Patterson, NJDEP. October 9, 2014.
 - ii. Attachment: Excerpts of NJDEP Response to Comments on Permit NJ0021016.
 - iii. Attachment: Beta Group. EPA NPDES Draft Permit Overall Project Timeline. Updated March 12, 2015.
 - iv. Attachment: Worksheet Calculations. March 18, 2015.

E. WATER QUALITY CERTIFICATION

1. Letter. David Ferris, Director Massachusetts Wastewater Management Program to David Webster, Water Permits Branch, EPA. RE: Water Quality Certification, City of Taunton, Taunton Wastewater Treatment Plant, NPDES Permit MA0100897. April 8, 2015.

F. COASTAL ZONE MANAGEMENT

1. Letter. Robert L. Boeri, CZM to Fred Cornaglia, City of Taunton. RE: Federal Consistency Review of Taunton Wastewater Treatment Plant NPDES Permit MA0100897 Renewal; Taunton. July 2, 2013.
2. Letter. Fred Cornaglia, City of Taunton to Robert L. Boeri, CZM. RE: Application for NPDES Permit; Taunton Wastewater Treatment Plan, Permit No. MA0100897, Taunton River, Taunton, Massachusetts. November 14, 2014.
3. Letter. Robert L. Boeri, CZM to Fred Cornaglia, City of Taunton. RE: Federal Consistency Review of Taunton Wastewater Treatment Plant NPDES Permit MA0100897 Renewal; Taunton. November 18, 2014.
4. Letter. Robert L. Boeri, CZM to Fred Cornaglia, City of Taunton. RE: Federal Consistency Review of Taunton Wastewater Treatment Plant NPDES Permit MA0100897 Renewal; Taunton. February 16, 2015.
5. Letter. Robert L. Boeri, CZM to Fred Cornaglia, City of Taunton. RE: Federal Consistency Review of Taunton Wastewater Treatment Plant NPDES Permit MA0100897 Renewal; Taunton. April 9, 2015.
6. Proof of Legal Notice. November 24, 2014.

G. NMFS/ENDANGERED SPECIES ACT

1. Letter. John K Bullard, Regional Administrator, NMFS to John Nagle, EPA Region 1. RE: Authorization and Re-issuance Under the National Pollutant Discharge Elimination System (NPDES) for the Taunton Wastewater Treatment Plant. May 21, 2013.

H. CORRESPONDENCE

1. Letter. Ken Moraff, US EPA to Fred Cornaglia, City of Taunton. Re: NPDES Permit No. MA0100897 For Taunton Wastewater Treatment Plant. April 10, 2015.

2. Letter. Ken Moraff, US EPA to Chris J. Gallagher, Town of Raynham. Re: NPDES Permit No. MA0100897 For Taunton Wastewater Treatment Plant. April 10, 2015.
3. Letter. Ken Moraff, US EPA to Gregory F. Olsen, Town of Dighton. Re: NPDES Permit No. MA0100897 For Taunton Wastewater Treatment Plant. April 10, 2015.
4. Letter. Curt Spalding, US EPA to Chris J. Gallagher, Town of Raynham. Re: Waiver of Permit Application and Signatory Requirements for Municipal Satellite Sewage Collection System – Town of Dighton, co-permittee to the Taunton Wastewater Treatment Plant, NPDES No. MA0100897. April 10, 2015.
5. Letter. Curt Spalding, US EPA to Gregory F. Olsen, Town of Dighton. Re: Waiver of Permit Application and Signatory Requirements for Municipal Satellite Sewage Collection System – Town of Dighton, co-permittee to the Taunton Wastewater Treatment Plant, NPDES No. MA0100897. April 10, 2015.
6. Letter. Curt Spalding, US EPA to Thomas Hoye, Mayor of Taunton. April 10, 2015.
7. Letter. Thomas Hoye, Mayor of Taunton to Curt Spalding US EPA. March 23, 2015.
8. Letter. Curt Spalding, US EPA to Thomas Hoye, Mayor of Taunton. Re: Permit for Taunton Wastewater Treatment Plant. March 3, 2015.
9. Letter. Marta.Nover, Taunton River Watershed Alliance, Inc. to Curt Spalding, US EPA. Re: National Pollutant Discharge Elimination Permit (NPDES) for Taunton Wastewater Treatment Facility, #MA0100897. February 5, 2015.
10. Letter. Curt Spalding, US EPA to Gina Raimando, Governor of Rhode Island. Re: NPDES Permit for Taunton Wastewater Treatment Facility, #MA0100897. February 4, 2015.
11. Letter. Kenneth J. Kopocis, US EPA to the Honorable Joseph P. Kennedy, III, Congressman. February 4, 2015.
12. Letter. Kenneth J. Kopocis, US EPA to John Hall, Center for Regulatory Reasonableness. Re: Request for SAB Review. January 16, 2015.
13. Letter. Kenneth J. Kopocis, US EPA to Philip Guerin, Massachusetts Coalition for Water Resources Stewardship. Re: Request for SAB Review. January 16, 2015.

- 14.** Letter. Curt Spalding, US EPA to Marta Nover, Taunton River Watershed Alliance, Inc.. Re: National Pollutant Discharge Elimination Permit (NPDES) for Taunton Wastewater Treatment Facility, #MA0100897. January 7, 2015.
- 15.** Letter. Curt Spalding, US EPA to Thomas Hoye, City of Taunton. Re: Correspondence dated November 19, 2014. December 29, 2014.
- 16.** Letter. Lincoln D. Chafee, Governor of Rhode Island to Curt Spalding, US EPA. Re: NPDES Permit for Taunton Wastewater Treatment Facility, #MA0100897. December 22, 2014.
- 17.** Letter. Jonathan Stone, Save the Bay to Lincoln D. Chafee, Governor of Rhode Island. December 11, 2014.
- 18.** Letter. Marta Nover, Taunton River Watershed Alliance, Inc. to Curt Spalding, US EPA. Re: National Pollutant Discharge Elimination Permit (NPDES) for Taunton Wastewater Treatment Facility, #MA0100897. December 10, 2014.
- 19.** Letter. Thomas Hoye, City of Taunton to Ken Kopocis and Curt Spalding, US EPA. Re: Request for Meeting with EPA Headquarters to Discuss Issues With Proposed Permit. November 19, 2014.
- 20.** Letter. Joseph P. Kennedy, Member of Congress to Gina McCarthy, US EPA. October 17, 2014.
- 21.** Letter. John Hall, Center for Regulatory Reasonableness to Gina McCarthy, US EPA. Re: Request for an SAB Peer Review of EPA Region I “Sentinel Approach” Used to Determine Numeric Nutrient Criteria for Estuarine Waters. October 2, 2014.
- 22.** Letter. Kenneth J. Kopocis, US EPA to Thomas Hoye, City of Taunton. August 28, 2014.
- 23.** Letter. Thomas Hoye, City of Taunton to Curt Spalding and Nancy Stoner, US EPA. Re: Request for Meeting to Discuss Proposed Permit. July 24, 2014.
- 24.** Letter. Joseph Federico, Beta Group to Susan Murphy, US EPA. Re: City of Taunton, MA, NPDES Draft Permit MA 0100897. December 11, 2013. With Attachments:
 - i.** Proposed Schedule and Economic Impact Analysis
 - ii.** Existing and Anticipated Debt Schedule
 - iii.** WWTF Upgrades Opinion of Probable Cost
 - iv.** Main Lift Pump Station Opinion of Probable Cost
 - v.** Sewer Use Fee Impacts on EJ Community

- 25.** Letter. Susan Murphy, US EPA to Keisha Sedlacek, Hall & Associates. Re: Taunton WWTP Draft Permit, NPDES No. MA0100897, Administrative Record Excerpt. May 21, 2013.
- 26.** Letter. Linda M. Balzotti, Mayor, City of Brockton to Susan Murphy, U.S. EPA. City of Taunton, Mass Wastewater Treatment Plant, NPDES Permit No. MA0100897, Comments of Draft Permit – Request for Extension of Comment Period. April 17, 2013.
- 27.** Letter. Joseph Federico, Beta Group to Susan Murphy, US EPA. Re: City of Taunton Draft NPDES Permit No. MA0100897. April 16, 2013.
- 28.** Letter. David Webster, US EPA to Fred Cornaglia, City of Taunton. Re: Public Notice Issuance of NPDES Permit No. MA0100897 (for) the Taunton Wastewater Treatment Plant. March 19, 2013.
- 29.** Letter. David Webster, US EPA to Chris J. Gallagher, Town of Raynham. Re: Public Notice Issuance of NPDES Permit No. MA0100897 (for) the Taunton Wastewater Treatment Plant. March 19, 2013.
- 30.** Letter. David Webster, US EPA to Gregory F. Olsen, Town of Dighton. Re: Public Notice Issuance of NPDES Permit No. MA0100897 (for) the Taunton Wastewater Treatment Plant. March 19, 2013.
- 31.** Letter. David Webster, US EPA to David Ferris, MassDEP. Request for Certification, NPDES Permit No. MA0100897 (for) the Taunton Wastewater Treatment Plant. March 19, 2013.
- 32.** Letter. Olga Vergara, US EPA to Mayor Robert G. Nunes, City of Taunton. Re: Reapplication Permit No. MA0100897 (City of Taunton). February 23, 2006.
- 33.** Letter. Darlene Domingos, Veolia Water and Mayor Robert F. Nunes, City of Taunton. Re: NPDES Renewal Application Form, Taunton WWTP/Permit No. MA0100897. August 28, 2006.
- 34.** Letter. Olga Vergara, US EPA to Darlene Domingos, PSG/US Filter and Michael Arnold, City of Taunton. Re: Reapplication Requirements for EPA Issued NPDES Permits in Region I – No. MA0100897 (Taunton Wastewater Treatment Plant. June 15, 2005.
- 35.** Letter. Darlene Domingos, Veolia Water to Doug Corb, US EPA. Re: NDPEs Renewal Application, Taunton WWTP/Permit No. MA0100897. November 3, 2006.
- 36.** Email Chain. John Hall, Hall & Associates and Samir Bukhari, US EPA. Re: Taunton schedule and permit. March 23-25, 2015.

- 37.** Email. John Hall, Hall & Associates to Ken Moraff, US EPA. Re: Taunton Permit. March 23, 2015.
- 38.** Email. John Hall, Hall & Associates to Susan Murphy and Ken Moraff, US EPA. Re: City of Taunton, Draft Permit #MA0100897 - Supplemental comment submission and request for new analyses/reopening permit comment period. March 20, 2015. With Attachment (see Supplemental Comments).
- 39.** Email. John Hall, Hall & Associates to Susan Murphy and Ken Moraff, US EPA. Re: Material for Taunton NPDES permit discussion. March 19, 2015. With Attachments:
- i.** EPA Worksheet Calcs – 03018-15;
 - ii.** Permit and Work Summary Schedule 03-13-15 (3 mg-L) with MHI;
 - iii.** Memorandum. Michael Andrus, Beta Group. Re: Taunton Comments not addressed. March 19, 2015.
- 40.** Email. John Hall, Hall & Associates to Gary Moran, MassDEP et al. Re: Material for Taunton NPDES permit discussion. March 19, 2015. With Attachment:
- i.** Draft Letter to John Hall re Taunton Permit - highlighted
- 41.** Email Chain. John Hall, Hall & Associates and Samir Bukhari, US EPA. Re: Taunton NPDES Permit – Identifying vehicles for modification of 3 mg/l permit limit. March 17-19, 2015.
- 42.** Email. Joe Federico, Beta Associates to David Webster, US EPA. Re: Taunton EPA Conference Call March 12, 2015. March 11, 2015. With Attachments:
- i.** Permit and Work Summary Schedule 03-12-15 (5 mg-L) with MHI
 - ii.** Estimate Nutrient Reduction Septic v. Sewer
- 43.** Email Chain. John Hall, Hall & Associates and Samir Bukhari, US EPA. Re: Taunton NPDES Permit –. March 3-10, 2015.
- 44.** Email Chain. Joseph Federico, Beta Group and Ken Moraff, David Webster, US EPA. Re: Taunton NPDES. March 6-10, 2015.
- 45.** Email Chain. John Hall, Hall & Associates and Samir Bukhari, US EPA. Re: Taunton NPDES Permit –. March 6-9, 2015.
- 46.** Email Chain. John Hall, Hall & Associates and Samir Bukhari, US EPA. Re: Taunton NPDES Permit. March 3, 2015.

- 47.** Powerpoint Presentation. City of Taunton Review of Proposed NPDES Permit Issues and Suggested Resolution of Scientific Uncertainties. February 10, 2015.
- 48.** Email. John Hall, Hall & Associates to Susan Murphy and Ken Moraff, US EPA. Re: City of Taunton, Draft Permit #MA0100897 - Supplemental comment submission and request for new analyses/reopening permit comment period. January 8, 2015. With Attachment (see Supplemental Comments).
- 49.** Email. John Hall, Hall & Associates to Susan Murphy, US EPA. Re: Taunton Supplemental Comments 11-25-14. November 25, 2015. With Attachment (see Supplemental Comments).
- 50.** Email. Robert Boeri, MassCZM to Fred Cornaglia, City of Taunton. Re: Taunton NPDES Renewal Public Notice. November 21, 2014.
- 51.** Email Chain. Robert Boeri, MassCZM and Susan Murphy, US EPA. Re: Taunton. November 21, 2014.
- 52.** Email Chain. Robert Boeri, MassCZM and Mike Andrus, Joseph Federico, Beta Group. Re: Taunton Wastewater Treatment NPDES. November 10, 2014.
- 53.** Email Chain. Susan Murphy US EPA and Joseph Federico, Beta Group. Re: Taunton Wastewater Treatment NPDES. November 6-10, 2014.
- 54.** Email Chain. Robert Boeri, MassCZM and Susan Murphy, US EPA. Re: Taunton. October 7-28, 2014.
- 55.** Email. John Hall, Hall & Associates to Susan Murphy, US EPA. Re: City of Taunton – Draft Permit #MA0100897 – FOIA Request for New Information Added to Permit Administrative Record by EPA Region 1. October 7, 2014.
- 56.** Email Chain. John Hall, Hall & Associates and Susan Murphy, US EPA. Re: City of Taunton – Draft Permit #MA0100897 – Supplemental comment submission and request for new analyses/reopening permit comment period. September 16-30, 2014.
- 57.** Email. John Hall, Hall & Associates to Susan Murphy, US EPA. Re: City of Taunton – Draft Permit #MA0100897 – Supplemental comment submission and request for new analyses/reopening permit comment period. September 16-30, 2014. With Attachment (see Supplemental Comments).
- 58.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Taunton Meeting. June 26, 2014.

- 59.** Email. Susan Murphy, US EPA to Joe Federico, Beta Group and Fred Cornaglia, City of Taunton. Re: City of Taunton financial capability assessment. May 30, 2014. Attachment: WorksheetC.
- 60.** Email Chain. Susan Murphy US EPA and Mike Andrus, Beta Group. Re: residential units. May 15, 2014.
- 61.** Email Chain. Susan Murphy US EPA and Mike Andrus, Beta Group. Re: Taunton Schedules and Economic Impact. May 14, 2014. With Attachments:
 - i.** EPA Tauntpn [stet] Permit 20-year Schedule
 - ii.** EPA Tauntpn [stet] Permit 10-year Schedule
 - iii.** EPA Tauntpn [stet] Permit 18-year Schedule
- 62.** Email Chain. Mike Andrus, Beta Group and Susan Murphy, US EPA. Re: Taunton billing analysis. May 12-13, 2014.
- 63.** Email. Susan Murphy, US EPA to Joe Federico, Beta Group. Re: Taunton. May 5, 2014.
- 64.** Email Chain. Mike Andrus and Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Taunton billing data. April 2-4, 2014.
- 65.** Email Chain. Mike Andrus, Beta Group and Susan Murphy, US EPA. Re: Taunton sewer data. March 14, 2014.
- 66.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Taunton sewer rates. February 28 - March 4, 2014.
- 67.** Email. Joe Federico, Beta Group to Susan Murphy, US EPA. Re: Taunton. February 24, 2014.
- 68.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Taunton data. January 28-30, 2014.
- 69.** Email Chain. Susan Murphy US EPA and Mike Andrus, Beta Group. Re: Documents for 12-11-13 meeting. December 6, 2013. With Attachments (see Letter from Joseph Federico, December 11, 2013).
- 70.** Email Chain. Susan Murphy, US EPA and Candace Oviatt, URI. Re: data request. October 31 – November 1, 2013. With Attachment (Spreadsheet).
- 71.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Meeting. October 21-22, 2013.

- 72.** Email Chain. Susan Murphy, US EPA and Darlene Domingos, Veolia Water. Re: TRWA data. September 13-16, 2013.
- 73.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: City of Taunton. August 26, 2013.
- 74.** Email. Joe Federico, Beta Group to Susan Murphy, US EPA. Re: Sewer system mapping, Taunton. August 14, 2013.
- 75.** Email. Susan Murphy, US EPA to Joe Federico, Beta Group. Re: Taunton NPDES comments. August 14, 2013.
- 76.** Email. Robert Boeri, MassCZM to Fred Cornaglia, City of Taunton. Re: Taunton Wastewater Treatment Plant – Federal Consistency Review. July 2, 2013.
- 77.** Email Chain. Susan Murphy, US EPA and Chris Melrose, NOAA. June 27, 2013.
- 78.** Email Chain. Susan Murphy, US EPA and Candace Oviatt, URI. Re: data request. June 27, 2013. With Attachment (spreadsheet).
- 79.** Email Chain. John Hall, Hall & Associates and Ken Moraff, US EPA. Re: Taunton NPDES permit – minor extension request. June 12, 2013.
- 80.** Email Chain. Susan Murphy, US EPA and Keisha Sedlacek, Hall & Associates. Re: Taunton WWTP Administrative Record. May 20 to June 10, 2013.
- 81.** Email Chain. Joe Federico, Beta Group and Susan Murphy, US EPA. Re: Taunton WWTP permit and compliance. May 17, 2013.
- 82.** Email Chain. Susan Murphy US EPA and Joseph Federico, Beta Group. Re: Taunton NPDES Permit Extension Request. April 17, 2013.
- 83.** Email Chain. Susan Murphy, US EPA and Darlene Domingos, Veolia Water. Re: taunton NPDES permit renewal. April 12, 2013.
- 84.** Email. Mike Andrus, Beta Group to Susan Murphy, US EPA. Re: Taunton EIR. April 8, 2013.
- 85.** Email Chain. Susan Murphy, US EPA and Darlene Domingos, Veolia Water. Re: taunton NPDES permit renewal. January 24-31, 2013.
- 86.** Email Chain. Susan Murphy, US EPA and Darlene Domingos, Veolia Water. Re: taunton NPDES permit renewal. January 24-28, 2013.

87. Email Chain. Susan Murphy, US EPA and Darlene Domingos, Veolia Water. Re: taunton NPDES permit renewal. January 24, 2013.
88. Email Chains. Doug Corb, US EPA and Paul Hogan, MassDEP. April 30-May 9, 2007.
89. Email Chains. Doug Corb, US EPA and Darlene Domingos, Veolia Water. March 5-May 1, 2007.
90. Email Chains. Doug Corb, US EPA and Paul Hogan and Ron Lyberger, MassDEP. November 8, 2006 to January 18, 2007.
91. Email Chains. Doug Corb, US EPA and Darlene Domingos, Veolia Water. August 24, 2006 to November 15, 2006.
92. Email. Bill Wandle, US EPA to Doug Corb, USEPA. Re: Update to Taunton 7Q10. October 2, 2006.

I. FREEDOM OF INFORMATION ACT (FOIA) REQUESTS

1. English, Alexander, Hall & Associates to Regional Freedom of Information Officer U.S. EPA, Region 1. Re: Freedom of Information Act Request for Records Associated with the Denial of FOIA Request EPA-R1-2015-000252. November 18, 2014.
2. English, Alexander, Hall & Associates to Regional Freedom of Information Officer U.S. EPA, Region 1. Re: Freedom of Information Act Request for Records Associated with EPA Region I Meeting with the City of Taunton. November 14, 2014.
3. English, Alexander, Hall & Associates to National Freedom of Information Officer U.S. EPA. Re: Freedom of Information Act Request for Records Associated with the Sentinel Site Method for Setting Nutrient Criteria. October 14, 2014.
4. English, Alexander, Hall & Associates to Regional Freedom of Information Officer U.S. EPA, Region 1. Re: Freedom of Information Act Request for Records Added to the Permit Administrative Record for the NPDES Permit #MA0100897 by EPA Region I since March 20, 2013. October 7, 2014.
5. English, Alexander, Hall & Associates to EPA Region 1 FOIA Office. Re: Freedom of Information Act Request for Information Regarding Hall & Associates and EPA Region 1 Meeting Policy(ies). September 29, 2014.

J. 303(D) and 305(B) MATERIALS

1. MassDEP. 2012. Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual. Massachusetts Division of Watershed Management. CN 405.0.
2. MassDEP. 2012. Massachusetts Year 2012 Integrated List of Waters. Massachusetts Division of Watershed Management, Watershed Planning Program. CN 400.1.
3. MassDEP. 2010. Massachusetts Year 2010 Integrated List of Waters. Massachusetts Division of Watershed Management, Watershed Planning Program.
4. MassDEP. 2008. Massachusetts Year 2008 Integrated List of Waters. Massachusetts Division of Watershed Management, Watershed Planning Program.
5. RIDEM. 2011. State of Rhode Island 2010 303(d) List, List of Impaired Waters, Final.

K. SITE-SPECIFIC BACKGROUND STUDIES, REPORTS AND INFORMATION

1. Boucher, J.M. 1991. Nutrient and Phosphorus Geochemistry in the Taunton River Estuary, Massachusetts. Ph.D. Dissertation. University of Rhode Island 1991.
2. Codiga, D.L., H.E. Stoffel, C.F. Deacutis, S. Kiernan and C.A. Oviatt. 2009. Narragansett Bay Hypoxic Even Characteristics Based on Fixed-Site Monitoring Network Time Series: Intermittency, Geographic Distribution, Spatial Synchronicity, and Interannual Variability. *Estuaries and Coasts* 32:621-641 (2009).
3. Deacutis, C. and Pryor, D. 2011. Draft Nutrient Conditions in Narragansett Bay & Numeric Nutrient Criteria Development Strategies for Rhode Island Estuarine Waters. Narragansett Bay Estuary Program, Report to the R.I. Dept. of Environmental Management, Office of Water Resources. June 2011.
4. Desbonnet, Alan, Costa-Pierce, Barry A (Eds.). 2008. Science of Ecosystem-based Management – Narragansett Bay in the 21st Century. Springer.
5. Domingos, Darlene. 2011. Annual Water Quality Report, Taunton River & Tributaries, 2010. Taunton River Watershed Association and Veolia Water North America.

6. Domingos, Darlene. 2012. Annual Water Quality Report, Taunton River & Tributaries, 2011. Taunton River Watershed Association and Veolia Water North America.
7. Durant, D. and Raposa, B. 2011. Water Quality, Nutrients, and Meteorological Trends at the Narragansett Bay National Estuarine Research Reserve in 2009. NBNERR Technical Report Series 2011:1. April 2011.
8. GeoSyntec. 2006. Five-Year Watershed Action Plan for the Taunton River Watershed. September 2006. Published Online: <http://www.horsleywitten.com/tauntonwatershed/TauntonRiver-WS-pubs.html?refreshed>
9. Isaac, R.A. 1997. Estimation of Nutrient Loadings and Their Impacts on Dissolved Oxygen Demonstrated at Mt. Hope Bay. 23 Environment International 1510165.
10. Kincaid, C., Bergondo, D and Rosenberger, K. The Dynamics of Water Exchange Between Narragansett Bay and Rhode Island Sound. In Desbonnet, A. and Costa-Pierce, B.A., Science for Ecosystem-based Management. Springer 2008.
11. Kincaid, C. 2006. The Exchange of Water through Multiple Entrances to the Mount Hope Bay Estuary. In Natural and Anthropogenic Influences on the Mount Hope Bay Ecosystem, 13 Northeastern Naturalist (Special Issue 4): 117-144.
12. Kincaid, C., Pockalny, R. and Huzzey, L. 2003. Spatial and temporal variability in flow at the mouth of Narragansett Bay. Journal of Geophysical Research 108(C7): 3218.
13. Krahforst, C. and Carullo, M. 2008. An Ecosystem-based Perspective of Mount Hope Bay. In Desbonnet, A. and Costa-Pierce, B.A., Science for Ecosystem-based Management. Springer 2008.
14. MacDonald, D.G. 2006. Estimating an estuarine mixing and exchange ratio from boundary data with application to Mt. Hope Bay (Massachusetts/Rhode Island). 70 Estuarine Coastal and Shelf Science 326-332.
15. MassDEP. 2005. Taunton River Watershed 2001 Water Quality Assessment Report. Report No. 62-AC-1. Massachusetts Department of Environmental Protection, Division of Watershed Management. December 2005. Published Online: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessment-reports.html>

16. Oviatt, C., Keller, A. and Reed, L. 2002. Annual Primary Production in Narragansett Bay with no Bay-Wide Winter–Spring Phytoplankton Bloom. *Estuarine, Coastal and Shelf Science* 54, 1013–1026
17. SMAST. 2003. Framework for Formulating the Mt. Hope Bay Natural Laboratory: A Synthesis and Summary. SMAST Technical Report No. SMAST-03-0501. School for Marine Science and Technology, University of Massachusetts Dartmouth. May 22, 2003. Published online: <http://www.smast.umassd.edu/MHBNL/report2003.php>
18. SMAST. 2007. Summary of Water Quality Monitoring Program for the Mount Hope Bay Embayment System (2004-06). School for Marine Science and Technology, University of Massachusetts Dartmouth. August 16, 2007.
19. Spaulding, M.L. and Swanson, C. 2008. Circulation and Transport Dynamics in Narragansett Bay. In Desbonnet, A. and Costa-Pierce, B.A., *Science for Ecosystem-based Management*. Springer 2008.
20. Spaulding, M.L. and White, F.M. 1990. Circulation Dynamics in Mt. Hope Bay and the Lower Taunton River. *38 Coastal and Estuarine Studies* 494-510.
21. Stoffel, H. 2014. Powerpoint Presentation. 2014 Dissolved Oxygen Assessment – CHRP Meeting December 17, 2014.
22. Swanson, C., Kim, H. and Sankaranarayanan, S. 2005. Modeling of Temperature Distributions in Mount Hope Bay Due to Thermal Discharges from the Brayton Point Station. *12 Northeastern Naturalist*, Special Issue 4.
23. Taunton Wild & Scenic River Study Committee, Southeast Regional Planning & Economic Development District and National Park Service, Northeast Region. 2005. Taunton River Stewardship Plan – Taunton River Wild & Scenic River Study.
24. URI Environmental Data Center. 2001. Restoration Sites and Historical Eelgrass Distribution in Narragansett Bay, Rhode Island. Published Online: <http://www.edc.uri.edu/restoration/images/maps/historiceelgrass.pdf>
25. Wandle, W. and Keezer, G.R. 1984. Gazetteer of Hydrologic Characteristics of Streams in Massachusetts—Taunton and Ten Mile River Basins and Coastal River Basins of Mount Hope Bay, Narragansett Bay, and Rhode Island Sound. United States Geological Survey. WRI Report 84-4283.
26. Zhao, L., Chen C. and Cowles, G. 2006. Tidal Flushing and Eddy Shedding in Mount Hope Bay and Narragansett Bay: An Application of FVCOM. *Journal of Geophysical Research* 111:C10015.

L. OTHER TECHNICAL AND SCIENTIFIC DOCUMENTS

1. Alexander et al. 2009. Dynamic modeling of nitrogen losses in river networks unravels the coupled effects of hydrological and biogeochemical processes. *Biogeochemistry* 93:91–116.
2. Barnard, J. 2006. Biological Nutrient Removal: Where We Have Been, Where We Are Going? WEFTEC 2006. Water Environment Federation.
3. Boyer, E.W., et. al. 2006. Modeling Denitrification in Terrestrial and Aquatic Ecosystems at Regional Scales. *Ecological Applications*, 16(6), 2006, pp. 2123-2142.
4. Bricker, S., B. Longstaff, W. Dennison, A. Jones, K. Boicourt, C. Wicks, and J. Woerner. 2007. Effects of Nutrient Enrichment In the Nation's Estuaries: A Decade of Change. NOAA Coastal Ocean Program Decision Analysis Series No. 26. National Centers for Coastal Ocean Science, Silver Spring, MD. 328 pp. Published Online: <http://ccma.nos.noaa.gov/publications/eutroudate/>.
5. Chapra, Steven C. 1997. *Surface Water-Quality Modeling*. McGraw-Hill.
6. Climate data for Stamford, Ct; East Wareham, MA; Epping, NH; Hingham, MA; Kalkaska, MI; Tahoe City, California. <http://usclimatedata.com>.
7. Cloern, J.E. 2001. Our evolving conceptual model of the coastal eutrophication problem. *Marine Ecology Progress Series* 210: 223-253.
8. Costello, C.T. and Kenworthy, W.J. 2011. Twelve-Year Mapping and Change Analysis of Eelgrass (*Zostera marina*) Areal Abundance in Massachusetts (USA) Identified Statewide Declines. *Estuaries and Coasts* 34:232-242.
9. Davidson, E.A., et. al. 2012. Excess Nitrogen in the U.S. Environment: Trends, Risks, and Solutions. The Ecological Society of America. *Issues in Ecology*. Number fifteen. Winter 2012.
10. Filippino, K.C., M. Mulholland, P. Bernhardt, G. Boneillo, R. Morse, M. Semcheski, H. Marshall, N. Love, Q. Roberts, D. Bronk. The Bioavailability of Effluent-derived Organic Nitrogen along an Estuarine Salinity Gradient, *Estuaries and Coasts* (2010), 34(2): 269-280.
11. Howarth, R.W., and R. Marino. 2006. Nitrogen as the limiting nutrient for eutrophication in coastal marine ecosystems: evolving views over three decades. *Limnology and Oceanography* 51: 364-376.

- 12.** Howes, B.L., Ramsey, J.S. and Kelley, S.W. 2001. Nitrogen Modeling to Support Watershed Management: Comparison of Approaches and Sensitivity Analysis. Project #00-06/104. Prepared for MassDEP and U.S. EPA Region 1.
- 13.** Industrial Economics, Inc. 2012. Narragansett Bay Sustainability Pilot – Phase I Report. Published online at: <http://www.epa.gov/research/docs/nbsp-phase-I-report.pdf> ; www.epa.gov/research/docs/nbsp-phase-I-report-appendices.pdf
- 14.** Jiminez, J. et al. 2007. Full Scale Operation of Large Biological Nutrient Removal Facilities To Meet Limits of Technology Effluent Requirements: The Florida Experience. WEFTEC 2007 Preprint.
- 15.** Massachusetts Department of Environmental Protection, UMASS-Dartmouth School for Marine Science and Technology. 2003. Massachusetts Estuaries Project: Site-Specific Nitrogen Thresholds for Southeastern Massachusetts Embayments: Critical Indicators Interim Report. Massachusetts Department of Environmental Protection. July 21, 2003. Revised September 16, 2003 and December 22, 2003. Published Online: <http://www.mass.gov/dep/water/resources/nitroest.pdf>
- 16.** Massachusetts Estuaries Project. 2006. Linked Watershed-Embayment Model to Determine Critical Nitrogen Loading Thresholds for the Pleasant Bay System, Towns of Orleans, Chatham, Brewster and Harwich, Massachusetts. Published Online: http://www.oceanscience.net/estuaries/Pleasant_Bay.htm
- 17.** MassDEP. 2007. West Falmouth Harbor Embayment System Total Maximum Daily Loads For Total Nitrogen. Report # 95-TMDL-1. Published Online: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>
- 18.** MassDEP. 2007. Pleasant Bay System Total Maximum Daily Loads For Total Nitrogen. Report # 96-TMDL-12. Published Online: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>
- 19.** MassDEP. 2008. Oyster Pond Embayment System Total Maximum Daily Loads For Total Nitrogen. Report # 96-TMDL-7. Published Online: <http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>
- 20.** Moore et al. 2004. Estimation of Total Nitrogen and Phosphorus in New England Streams Using Statistically Referenced Regression Models. USGS SIR-2004-5012

21. Mulholland, P. J., et. al. 2009. Nitrate Removal in Stream Ecosystems Measured by ¹⁵N Addition Experiments: Denitrification. American Society of Limnology and Oceanography, Inc. *Limnol. Oceanogr.*, 54(3), 2009, 666-680.
22. Mulholland, P. J., et. al. 2008. Stream Denitrification Across Biomes and its Response to Anthropogenic Nitrate Loading. Nature Publishing Group. Vol. 452. March 13, 2008. doi:10.1038/Nature06686.
23. National Oceanic and Atmospheric Administration (NOAA). 2007. Effects of Nutrient Enrichment in the Nations Estuaries: A Decade of Change. NOAA Coastal Ocean Program Decision Analysis Series No. 26. National Centers for Coast Ocean Science, Silver Spring, MD. 2007. Published Online: <http://ian.umces.edu/nea/resources.php>
24. National Oceanic and Atmospheric Administration (NOAA). 1997. NOAA Estuarine Eutrophic Survey. Volume 3: North Atlantic Region. National Oceanic and Atmospheric Administration. 1997.
25. National Oceanic and Atmospheric Administration (NOAA). 1999. National Estuarine Eutrophication Assessment: Effects of Nutrient Enrichment in the Nation's Estuaries. National Oceanic and Atmospheric Administration. 1999. Published Online: <http://ian.umces.edu/nea/resources.php>
26. National Research Council. 2000. Clean Coastal Waters: Understanding and Reducing the Effects of Nutrient Pollution. National Academy Press, Washington DC.
27. Nutrients in Estuaries. A Summary Report of the National Estuarine Experts Workgroup 2005-2007. November, 2010.
28. Nayar, S., Collings, G., Pfenning, P., and Royal M. 2012. Managing Nitrogen Inputs into Seagrass Meadows Near a Coastal City: Flow-on from Research to Environmental Improvement Plans. *Marine Pollution Bulletin* 64 (2012) 932-940.
29. New Hampshire Department of Environmental Services. 2010. Draft Analysis of Nitrogen Loading Reductions for Wastewater Treatment Facilities and Non-Point Sources in the Great Bay Estuary Watershed. Including Appendix A – F. WD Doc R-WD-10-22. Watershed Management Bureau, Concord, NH. December, 2010. Published Online: http://des.nh.gov/organization/divisions/water/wmb/coastal/documents/gb_nitro_load_analysis.pdf
30. New Hampshire Department of Environmental Services. 2009. Numeric Nutrient Criteria for the Great Bay Estuary. WD Doc R-WD-09-12. Watershed Management Bureau, Concord, NH. June, 2009. *No longer in use*. Published

Online:

http://des.nh.gov/organization/divisions/water/wmb/wqs/documents/20090610_estuary_criteria.pdf

31. Parker, D. et al. 2011. WEF/WERF Cooperative Study of Nutrient Permit Limits: Achievable Technology Performance Statistics for Low Effluent Limits. Preprint, Nutrient Recovery and Management 2011. January 10, 2011.
32. Prell, W., Saarman, E., Murray, D., Deacutis, C., 2004. Summer-Season, Nighttime Surveys of Dissolved Oxygen in Upper Narragansett Bay (1999-2003). Data available at <http://www.geo.brown.edu/georesearch/insomniacs>.
33. Prell, W., Murray, D., Deacutis, C., 2006. Summer-Season survey of dissolved oxygen in upper Narragansett Bay beginning in 2005. Data available at <http://www.geo.brown.edu/georesearch/insomniacs>.
34. Reed, L.A. and Stuckey, M.H. 2002. Prediction of Velocities for a Range of Streamflow Conditions in Pennsylvania. U.S. Geological Survey. WRI Report 01-4214.
35. Rhode Island Department of Environmental Management. 2005. Plan for Managing Nutrient Loadings to Rhode Island Waters.
36. Rhode Island Department of Environmental Management. 2004. Evaluation of Nitrogen Targets and WWTF Load Reductions for the Providence and Seekonk Rivers.
37. Sattayetewa, C., K. Pagilla, R. Sharp, and P. Pitt. 2010. Fate of Organic Nitrogen in four Biological Nutrient Removal Wastewater Treatment Plants. *Water Environment Research* 18, 2305-2315 (2010).
38. Sedlak, D.L., J. Jeong and H.D. Stensel. 2011. Bioavailability of Dissolved Organic Nitrogen in Wastewater Effluent as Determined by Resin Separation. *Nutrient Recovery and Management 2011*. Water Environment Federation.
39. Smith, T.E., Laursen, A.E., Deacon, J.R. 2008. Nitrogen Attenuation in the Connecticut River, Northeastern USA; A Comparison of Mass Balance and N₂ Production Modeling Approaches. *Biogeochemistry* (2008) 87:311-323.
40. State of Delaware – Department of Natural Resources and Environmental Control. 2004. State of Delaware Surface Water Quality Standards. State of Delaware – Department of Natural Resources and Environmental Control. July 11, 2004.

41. Stoddard, J. L., D. P. Larsen, C. P. Hawkins, R. K. Johnson, and R. H. Norris. 2006. Setting expectations for the ecological condition of streams: the concept of reference condition. *Ecological Applications* 16:1267 – 1276.
42. United States Geological Survey. 2011. Lagrangian Sampling of Wastewater Treatment Plant Effluent in Boulder Creek, Colorado, and Fourmile Creek, Iowa, Open File Report 2011-1054.
43. Weigner, T.N., Seitzinger, S.P., Glibert, P.M., Bronk, D.A. 2006. Bioavailability of Dissolved Organic Nitrogen and Carbon from Nine Rivers in the Eastern United States. *Aquatic Microbial Ecology*. Vol. 34: 277-287. 2006.

M. EPA GUIDANCE AND REPORTS

1. Chesapeake Bay Program – The Nutrient Reduction Technology Task Force, A Stakeholder Group of the Chesapeake Bay Program. 2002. Nutrient Reduction Technology Cost Estimations for Point Sources in the Chesapeake Bay Watershed. Chesapeake Bay Program. November 2002.
2. Chesapeake Bay Program. 2004. NPDES Permitting Approach for Discharges of Nutrients in the Chesapeake Bay Watershed. U.S. Environmental Protection Agency Regions II and III, Chesapeake Bay Program.
3. Environmental Protection Agency, Region 1. 2012. EPA New England’s Review of Massachusetts’ 2012 CWA Section 303(d) List
4. Environmental Protection Agency. 2012. The Science of Numeric Nutrient Criteria Development. U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. April 2, 2012.
5. Environmental Protection Agency. 2012. Water Quality Standards Handbook: Second Edition. United States Environmental Protection Agency. EPA-823-B-12-002; March 2012. Published online at:
<http://water.epa.gov/scitech/swguidance/standards/handbook/index.cfm>
6. Environmental Protection Agency. Memorandum from Nancy K. Stoner, Acting Assistant Administrator. RE: Working in Partnership with States to Address Phosphorus and Nitrogen Pollution through Use of a Framework for State Nutrient Reductions. March 16, 2011. Available online at:
http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/upload/memo_nitrogen_framework.pdf
7. Environmental Protection Agency. 2010. U.S. Environmental Protection Agency NPDES Permit Writer’s Manual. United States Environmental Protection Agency, Office of Wastewater Management, Water Permits Division, State and

Regional Branch. EPA-833-K-10-001. September 2010.
http://www.epa.gov/npdes/pubs/pwm_2010.pdf

8. Environmental Protection Agency. 2010. Using Stressor-response Relationships to Derive Numeric Nutrient Criteria. U.S. Environmental Protection Agency, Office of Water, EPA-820-S-10-001. November 2010. Published Online: <http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/upload/Using-Stressor-response-Relationships-to-Derive-Numeric-Nutrient-Criteria-PDF.pdf>
9. Environmental Protection Agency. 2009. Empirical Approaches for Nutrient Criteria Derivation – Science Advisory Board Review Draft. U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. August 17, 2009.
10. Environmental Protection Agency. 2008a. Nutrient Criteria Technical Guidance Manual. Wetlands. EPA-822-B-08-001. U.S. Environmental Protection Agency, Office of Water, Washington, DC.
11. Environmental Protection Agency. 2008b. Municipal Nutrient Removal Technologies Reference Document. EPA-832-R-08-006. U.S. Environmental Protection Agency, Office of Water, Washington, DC.
12. Environmental Protection Agency. 2007. Biological Nutrient Removal Processes and Costs. EPA-823-R-07-002. U.S. Environmental Protection Agency, Office of Water, Washington, DC. June 2007.
13. Environmental Protection Agency. National Nutrient Strategy. Updated May 2007. Published online at: <http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/strategy/index.cfm>
14. Environmental Protection Agency. Memorandum from Benjamin H. Grumbles, Assistant Administrator. RE: Nutrient Pollution and Numeric Water Quality Standards. May 25, 2007.
15. Environmental Protection Agency. 2006. Peer Review Handbook, 3rd Edition. EPA/100/B-06/002, U.S. Environmental Protection Agency, Washington, DC.
16. Environmental Protection Agency. 2006. National Estuary Program Coastal Condition Report. U.S. Environmental Protection Agency, Office of Water/Office of Research and Development. EPA 842/B-06/001. 2006.
17. Environmental Protection Agency. 2004. National Coastal Condition Report II. U.S. Environmental Protection Agency, Office of Water/Office of Research and Development. EPA 620/R-03/002. December 2004.

- 18.** Environmental Protection Agency. Memorandum from G. Tracy Mehan, III, Assistant Administrator. RE: Watershed-Based National Pollutant Discharge Elimination System (NPDES) Permitting Policy Statement. January 7, 2003.
- 19.** Environmental Protection Agency. 2002. National Recommended Water Quality Criteria: 2002. U.S. Environmental Protection Agency, Office of Water/Office of Science and Technology. EPA-822-R-02-047. November 2002.
- 20.** Environmental Protection Agency. 2001. Nutrient Criteria Technical Guidance Manual: Estuarine and Coastal Marine Waters. U.S. Environmental Protection Agency, Office of Water, EPA-822-B-01-003. October 2001. Published Online: <http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/marine/index.cfm>
- 21.** Environmental Protection Agency. 2001. National Coastal Condition Report. U.S. Environmental Protection Agency, Office of Water/Office of Research and Development. EPA 620/R-01/005. September 2001. Published Online: <http://water.epa.gov/type/oceb/assessmonitor/nccr/>
- 22.** Environmental Protection Agency. 2000a. Nutrient Criteria Technical Guidance Manual: Rivers and Streams. U.S. Environmental Protection Agency, Office of Water and Office of Science and Technology, EPA-822-B-00-002. July 2000. Published Online: <http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/rivers/index.cfm>
- 23.** Environmental Protection Agency. 2000b. Nutrient Criteria Technical Guidance Manual: Lakes and Reservoirs. U.S. Environmental Protection Agency, Office of Water and Office of Science and Technology, EPA-822-B00-001. April 2000. Published Online: <http://water.epa.gov/scitech/swguidance/standards/criteria/nutrients/lakes/index.cfm>
- 24.** Environmental Protection Agency. 1996. U.S. EPA NPDES Permit Writer's Manual. United States Environmental Protection Agency, Office of Water. EPA-833-B-96-003. December 1996.
- 25.** Environmental Protection Agency. 1998. Coastal Watershed Factsheets – Estuaries and Your Coastal Watershed. U.S. Environmental Protection Agency, Office of Water, EPA 842-F-98-009. July 1998. Published Online: <http://water.epa.gov/type/oceb/fact5.cfm>
- 26.** Environmental Protection Agency. 1995. Interim Economic Guidance for Water Quality Standards. United States Environmental Protection Agency, Office of Water. EPA-823-B-95-002. March 1995.

27. Environmental Protection Agency. 1992. Clarifications Regarding Certain Aspects of EPA's Surface Water Toxics Control Regulations. U.S. Environmental Protection Agency, Office of Water. (August 14, 1992). Published Online: <http://www.epa.gov/npdes/pubs/owm0098.pdf>
28. Environmental Protection Agency. 1991. Technical Support Document for Water Quality-Based Toxics Control. United States Environmental Protection Agency, Office of Water. EPA/505/2-90-001. March 1991.
29. Environmental Protection Agency. Memorandum from Ephraim S Kin, Chief, Program Implementation Branch. RE: Stay Granted in Star-Kist Caribe. September 21, 1990.
30. Environmental Protection Agency. 1988. Guidance for State Implementation of Water Quality Standards for CWA Section 303(c)(2)(B). December, 1988.
31. Environmental Protection Agency. 1986. Quality Criteria for Water 1986. U.S. Environmental Protection Agency, Office of Water. EPA 440/5-86-001. May 1986. (The "Gold Book")
32. Environmental Protection Agency. 1983. Water Quality Standards Handbook. United States Environmental Protection Agency, Office of Water, Regulations and Standards. December 1983.
33. Environmental Protection Agency. Memorandum from Deputy Assistant Administrator for Water Enforcement. RE: Office of General Counsel Memorandum (legal opinion regarding inclusion of compliance schedules in Second Round and new permits. Opinion included in Policy Book as 78-21-IV).
34. Environmental Protection Agency. Memorandum from Susan G. Lepow, Associate General Counsel, Water Division. RE Stay Granted in Star-Kist Caribe. September 6, 1990.
35. Hanlon, J. 2004. MEMORANDUM: Annual Permit Limits for Nitrogen and Phosphorus for Permits Designed to Protect Chesapeake Bay and its tidal tributaries from Excess Nutrient Loading under the National Pollutant Discharge Elimination System. U.S. Environmental Protection Agency, Office of Water, Washington, DC. (March 3, 2004). Published Online: http://www.epa.gov/reg3wapd/npdes/pdf/ches_bay_nutrients_hanlon.pdf
36. Howarth, R. 2010. Review of "Numeric Nutrient Criteria for the Great Bay Estuary." Included as appendix to NHDES (2009a).
37. Letter. Lisa P. Jackson, EPA Administrator to Deborah L. Swackhamer, SAB; Judith L. Meyer, SAB. RE: EPA-SAB-10-006 (Response to SAB Review of Empirical Approaches for Nutrient Criteria Derivation). May 28, 2010.

38. Letter. David Fierra, EPA Region 1 Director of Office of Ecosystem Protection to John L. Murphy, City of Bangor. Re: CSO-Related Secondary Treatment Bypass Application.
39. [Letter. James Pendergast, US EPA to Gary Stenhouse, City of Rochester. September 20, 1996.](#)
40. Liebman, M. 2010. Review of: Numeric Nutrient Criteria for the Great Bay Estuary, in light of comments made by John C. Hall and Thomas Gallagher (2010).
41. Office of Management and Budget. 2005. OMB Peer Review Bulletin. 70 Fed. Reg. 2664, 2670 (January 14, 2005).
42. Science Advisory Board. 2010. Review of Empirical Approaches for Nutrient Criteria Derivation. EPA-SAB-10-006. (April 27, 2010).
[http://yosemite.epa.gov/sab/sabproduct.nsf/0/e09317ec14cb3f2b85257713004bed5f/\\$FILE/EPA-SAB-10-006-unsigned.pdf](http://yosemite.epa.gov/sab/sabproduct.nsf/0/e09317ec14cb3f2b85257713004bed5f/$FILE/EPA-SAB-10-006-unsigned.pdf)
43. State-EPA Nutrient Innovations Task Group. 2009. An Urgent Call to Action, Report of the State – EPA Nutrient Innovations Task Group. State-EPA Nutrient Innovations Task Group. August 2009.
44. Status Report. In the Matter of Star-Kist Caribe, Inc. Petitioner NPDES Permit No. PR0022012. NPDES Appeal No. 88-5. April 3, 1992.
45. Environmental Protection Agency. NPDES Permit Program Basics – Frequently Asked Questions. Published online at: <http://cfpub.epa.gov/npdes/faqs.cfm>

N. MassDEP POLICY AND GUIDANCE

1. MassDEP. 2009. Implementation Procedures for the Antidegradation Provisions of the Massachusetts Surface Water Quality Standards, 314 CMR 4.00.
2. MassDEP. 1990. Implementation Policy for the Control of Toxic Pollutants in Surface Waters

O. OTHER

1. Brayton Point Energy, LLC. 2014. Brayton Point Station Hydrographical and Biological Monitoring Program, 2013 Annual Report. August 26, 2014.

2. Brayton Point Energy, LLC. 2013. Brayton Point Station Hydrographical and Biological Monitoring Program, 2012 Annual Report.
3. Bowery Bay WWTP, SPDES Permit No. NY0026158. New York State Department of Environmental Conservation. Published Online: http://www.dec.ny.gov/docs/permits_ej_operations_pdf/boweryspdes.pdf.
4. City of Fall River. 2011. CSO Abatement Program North System Plan and Program Update Report – Supplemental Report.
5. City of Taunton and Beta Group, Inc. 2009 Draft Environmental Impact Report/Final Comprehensive Wastewater Management Plan for City of Taunton, Massachusetts. EOE File No 13897.
6. City of Taunton Sewer Rate Ordinance. Sec. 19-19.
7. City of Taunton Billing Database, FY13.
8. CTDEP. 2011. General Permit for Nitrogen Discharges. Published Online: http://www.ct.gov/deep/lib/deep/water/municipal_wastewater/2011_2015_nitrogen_gp.pdf.
9. CTDEP and NYSDEC. 2001. A Total Maximum Daily Load Analysis to Achieve Water Quality Standards for Dissolved Oxygen in Long Island Sound.
10. DFLOW output for Taunton River near Bridgewater, USGS 01108000. April 1, 1931 through March 31, 2012.
11. Discharge Monitoring Report (DMR) data for the City of Taunton WWTF. January 2001 – December 2013.
12. DMR data for Taunton River watershed facilities:
 - i. Brockton AWRF, NPDES Permit No. MA0101010. January 2004 – December 2013.
 - ii. Mansfield
 - iii. Middleborough
 - iv. Bridgewater
 - v. MCI Bridgewater
 - vi. Somerset
 - vii. Wheaton College
 - viii. Oak Point
 - ix. Dighton-Rehoboth Schools
 - x. East Bridgewater High School

- 13.** Discharge Monitoring Report data for the Town of Scituate. February 2008 – May 2012.
- 14.** Discharge Monitoring Report data for the Town of Wareham. February 2008 – June 2012.
- 15.** Discharge Monitoring Reports (DMRs) for Connecticut facilities:
 - i.** City of Ansonia WPCA, NPDES Permit No. CT0100013. January 31, 2009 – June 30, 2011.
 - ii.** Branford WPCF, NPDES Permit No. CT0100048. January 31, 2009 – July 31, 2011.
 - iii.** Bridgeport Eastside WPCA, NPDES Permit No. CT0101010. January 31, 2009 – July 31, 2011.
 - iv.** Bridgeport Westside WPCA, NPDES Permit No. CT0100056. January 31, 2009 – July 31, 2011.
 - v.** Bristol Water Reclamation FACI, NPDES Permit No. CT0100374. January 31, 2009 – July 31, 2011.
 - vi.** Cheshire WPCF, NPDES Permit No. CT0100081. January 31, 2009 – July 31, 2011.
 - vii.** City of Torrington, NPDES Permit No. CT0100579. January 31, 2009 – July 31, 2011.
 - viii.** Danbury WPCF, NPDES Permit No. CT0100145. January 31, 2009 – July 31, 2011.
 - ix.** City of Derby WPCF, NPDES Permit No. CT0100161. January 31, 2009 – July 31, 2011.
 - x.** East Hampton WPCA, NPDES Permit No. CT0024694. January 31, 2009 – July 31, 2011.
 - xi.** East Hartford WPCF, NPDES Permit No. CT0100170. January 31, 2009 – July 31, 2011.
 - xii.** East Windsor WPCF, NPDES Permit No. CT0100196. January 31, 2009 – July 31, 2011.
 - xiii.** Town of Enfield, NPDES Permit No. CT1011200. January 31, 2009 – July 31, 2011.
 - xiv.** Fairfield WPCF, NPDES Permit No. CT01001044. January 31, 2009 – July 31, 2011.
 - xv.** Farmington WPCF, NPDES Permit No. CT0100218. January 31, 2009 – August 30, 2011.
 - xvi.** Glastonbury WPCF, NPDES Permit No. CT0100226. January 31, 2009 – July 31, 2011.
 - xvii.** Greenwich WPCF, NPDES Permit No. CT0100234. January 31, 2009 – July 31, 2011.
 - xviii.** City of Groton WPCA, NPDES Permit No. CT0101184. January 31, 2009 – July 31, 2011.
 - xix.** Groton WPCF, NPDES Permit No. CT0100242. January 31, 2009 – July 31, 2011.

- xx.** Hartford WPCF, NPDES Permit No. CT0100251. January 31, 2009 – July 31, 2011.
- xxi.** Housatonic WPCF, NPDES Permit No. CT0101656. January 31, 2009 – July 31, 2011.
- xxii.** Town of Killingly WPCF, NPDES Permit No. CT0101257. January 31, 2009 – July 31, 2011.
- xxiii.** Manchester WPCF, NPDES Permit No. CT0100293. January 31, 2009 – July 31, 2011.
- xxiv.** Mattabassett District Cromwell, NPDES Permit No. CT0100307. January 31, 2009 – July 31, 2011.
- xxv.** Meriden WPCF, NPDES Permit No. CT0100315. January 31, 2009 – July 31, 2011.
- xxvi.** Middletown WPCF, NPDES Permit No. CT0100323. January 31, 2009 – July 31, 2011.
- xxvii.** Milford Beaverbrook WPCF, NPDES Permit No. CT0100749. January 31, 2009 – July 31, 2011.
- xxviii.** Montville WPCA, NPDES Permit No. CT0100935. January 31, 2009 – July 31, 2011.
- xxix.** Borough of Nauatuck, NPDES Permit No. CT0100641. January 31, 2009 – July 31, 2011.
- xxx.** New Canaan STP, NPDES Permit No. CT0101273. January 31, 2009 – July 31, 2011.
- xxxi.** New Haven East Shore STP, NPDES Permit No. CT0100366. January 31, 2009 – July 31, 2011.
- xxxii.** New London WPCF, NPDES Permit No. CT0100382. January 31, 2009 – July 31, 2011.
- xxxiii.** Town of New Milford WPCF, NPDES Permit No. CT0100391. January 31, 2009 – July 31, 2011.
- xxxiv.** Newtown WPCF, NPDES Permit No. CT0101788. January 31, 2009 – July 31, 2011.
- xxxv.** Norfolk Sewer District, NPDES Permit No. CT0101231. January 31, 2009 – July 31, 2011.
- xxxvi.** North Haven WPCF, NPDES Permit No. CT0100404. January 31, 2009 – July 31, 2011.
- xxxvii.** Norwalk WPCF, NPDES Permit No. CT0101249. January 31, 2009 – July 31, 2011.
- xxxviii.** Norwich WPCF, NPDES Permit No. CT0100412. January 31, 2009 – July 31, 2011.
- xxxix.** Plainfield North WPCF, NPDES Permit No. CT0100447. January 31, 2009 – July 31, 2011.
- xl.** Plainfield WPCF, NPDES Permit No. CT0100455. January 31, 2009 – July 31, 2011.
- xli.** Plymouth WPCF, NPDES Permit No. CT0100463. January 31, 2009 – July 31, 2011.
- xl.ii.** Poquonock WPCF, NPDES Permit No. CT0100994. January 31, 2009 – July 31, 2011.

- xl.iii.** Portland WPCF, NPDES Permit No. CT0101150. January 31, 2009 – July 31, 2011.
- xl.iv.** Putnam WPCA, NPDES Permit No. CT0100960. January 31, 2009 – July 31, 2011.
- xl.v.** Town of (Main) Ridgefield, NPDES Permit No. CT0100854. January 31, 2009 – July 31, 2011.
- xl.vi.** Rocky Hill WPCF, NPDES Permit No. CT0100480. January 31, 2009 – July 31, 2011.
- xl.vii.** Town of Seymour WPCF, NPDES Permit No. CT0100501. January 31, 2009 – July 31, 2011.
- xl.viii.** City of Shelton, NPDES Permit No. CT0100714. January 31, 2009 – July 31, 2011.
- xl.ix.** Southington WPCF, NPDES Permit No. CT0100536. January 31, 2009 – July 31, 2011.
 - i.** South Windsor WPCF, NPDES Permit No. CT0100510. January 31, 2009 – June 30, 2011.
 - ii.** Stafford WPCF, NPDES Permit No. CT0101214. January 31, 2009 – July 31, 2011.
 - iii.** Stamford WPCF, NPDES Permit No. CT0101087. January 31, 2009 – July 31, 2011.
 - liii.** Stonington Pawcatuck, NPDES Permit No. CT0101290. January 31, 2009 – July 31, 2011.
 - liv.** Stratford WPCF, NPDES Permit No. CT0101036. January 31, 2009 – July 31, 2011.
 - lv.** Suffield WPCF, NPDES Permit No. CT0100552. January 31, 2009 – July 31, 2011.
 - lvi.** Thomaston WPCA, NPDES Permit No. CT0100781. January 31, 2009 – July 31, 2011.
 - lvii.** Thompson WPCF, NPDES Permit No. CT0100706. January 31, 2009 – July 31, 2011.
 - lviii.** Town of Simsbury WPCF, NPDES Permit No. CT01000919. January 31, 2009 – July 31, 2011.
 - lix.** Vernon WPCF, NPDES Permit No. CT0100609. January 31, 2009 – July 31, 2011.
 - lx.** Wallingford WPCF, NPDES Permit No. CT0100617. January 31, 2009 – July 31, 2011.
 - lxi.** Waterbury WPCF, NPDES Permit No. CT0100625. January 31, 2009 – July 31, 2011.
 - lxii.** West Haven, WPCF, NPDES Permit No. CT0101079. January 31, 2009 – July 31, 2011.
 - lxiii.** Westport WPCF, NPDES Permit No. CT0100684. January 31, 2009 – July 31, 2011.
 - lxiv.** Town of Windham WPCF, NPDES Permit No. CT0101001. January 31, 2009 – July 31, 2011.
 - lxv.** Windsor Locks WPCF, NPDES Permit No. CT0101591. January 31, 2009 – July 31, 2011.

- lxvi.** Winstead WPCF, NPDES Permit No. CT0101222. January 31, 2009 – July 31, 2011.
- 16.** Environmental Protection Agency, Region 1. 2002. Clean Water Act NPDES Permitting Determinations for Thermal Discharge and Cooling Water Intake from Brayton Point Station in Somerset, MA.
- 17.** Environmental Protection Agency, Region 1. 2003. Response to Comments, Brayton Point Station NPDES Permit No. MA0003654 at III-10. Published Online: <http://www.epa.gov/region1/braytonpoint/pdfs/finalpermit/sectionIII.pdf>
- 18.** Florida DEP. 2013. Workshop Presentation: Development of Numeric Nutrient Criteria for Florida's Estuaries. April 2013. Published Online: <http://www.dep.state.fl.us/water/wqssp/nutrients/>
- 19.** Florida Wildlife Federation, Inc., et. al. v. Jackson. U.S. District Court for the Northern District of Florida. Case 4:08-cv-00324-RHWSC, Doc. 351. Slip op. February 8, 2012.
- 20.** Greater New Haven WPCA, CTDEEP Permit No. CT0100366.
- 21.** In re Town of Newmarket, NH. 2013. NPDES Appeal No. 12-05, 16 E.A.D. ___, Slip op.
- 22.** Krumholz, J. 2012. Spatial and Temporal Patterns in Nutrient Standing Stock and Mass-Balance in Response to Load Reductions in a Temperate Estuary. Ph.D. Dissertation. University of Rhode Island.
- 23.** Memo to File. Susan Murphy, Permit Writer. RE: July 22, 2014 Supplemental Comments submitted by John Hall.
- 24.** Memo to File. Susan Murphy, Permit Writer. RE: September 16, 2014 Supplemental Comments submitted by John Hall.
- 25.** Memo to File. Susan Murphy, Permit Writer. RE: November 25, 2014 Supplemental Comments submitted by John Hall.
- 26.** Memo to File. Susan Murphy, Permit Writer. RE: January 8, 2015 Supplemental Comments submitted by John Hall.
- 27.** Memo to File. Susan Murphy, Permit Writer. RE: February 17, 2015 Supplemental Comments submitted by John Hall.
- 28.** Memo to File. David Pincumbe, Team Leader. RE: Taunton MA Final Permit – Affordability Analysis.

29. Metcalf & Eddy. 2005. Taunton River Desalinization Plant, Mixing Zone Analysis
30. MWRA Deer Island NPDES Permit No. MA0103284. Published Online: <http://www.epa.gov/region1/eco/mwra/pdf/mwrafpm1.pdf>
31. Massachusetts Department of Environmental Protection. Administrative Consent Order With Penalty and Supplemental Environmental Project and Notice of Noncompliance, File No. ACOP-SE-05-R006-1N-SEP. April 15, 2006.
32. Massachusetts Executive Office of Environmental Affairs. Certificate of the ENF for City of Taunton CWMP, EOE Number 13897. December 8, 2006.
33. MassDEP. Toxicity database printout for Taunton WWTF. December 20, 2011.
34. Narragansett Bay Commission. Snapshot of Upper Narragansett Bay – Nutrient Monitoring. <http://snapshot.narrabay.com/app/MonitoringInitiatives/NutrientMonitoring> (accessed November 15, 2013).
35. Narragansett Bay Commission. 2014 NBC River and Bay Nutrients Data. Excel spreadsheet. Available at <http://snapshot.narrabay.com/app/MonitoringInitiatives/NutrientMonitoring>.
36. Narragansett Bay Commission. 2013 NBC River and Bay Nutrients Data. Excel spreadsheet. Available at <http://snapshot.narrabay.com/app/MonitoringInitiatives/NutrientMonitoring>.
37. Narragansett Bay Commission. 2012 NBC River and Bay Nutrients Data. Excel spreadsheet. Available at <http://snapshot.narrabay.com/app/MonitoringInitiatives/NutrientMonitoring>.
38. Narragansett Bay Commission. 2011 NBC River and Bay Nutrients Data. Excel spreadsheet. Available at <http://snapshot.narrabay.com/app/MonitoringInitiatives/NutrientMonitoring>.
39. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2011. 2011 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
40. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2010. 2010 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart

41. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2009. 2009 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
42. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2008. 2008 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
43. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2007. 2007 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
44. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2006. 2006 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
45. Narragansett Bay Fixed-Site Monitoring Network (NBFSMN), 2005. 2005 Datasets. Rhode Island Department of Environmental Management, Office of Water Resources. Data available at www.dem.ri.gov/bart
46. NBFSMN Daily Average Data. 2005-2013. Published Online: http://www.narrbay.org/d_projects/buoy/buoydata.htm
47. [National Marine Fisheries Service. 2010. NuShuttle Transect Data.](http://www.narrbay.org/d_projects/nushuttle/shuttletree.htm) Published Online: http://www.narrbay.org/d_projects/nushuttle/shuttletree.htm.
48. Runkel, R.L., Crawford, C.G., and Cohn, T.A. 2004. Load Estimator (LOADEST): A FORTRAN Program for Estimating Constituent Loads in Streams and Rivers: U.S. Geological Survey Techniques and Methods Book 4, Chapter A5. Published Online: <http://water.usgs.gov/software/loadest/>
 - i. LOADEST input and output files for Taunton River at Weir Village
 - ii. LOADEST input and output files for Three Mile River
 - iii. LOADEST input and output files for Assonet River
 - iv. LOADEST input and output files for Segreganset River
 - v. LOADEST input and output files for Quequechan River
49. Spreadsheet. Fact Sheet Tables and Calculations. 2013. US EPA Region 1.
50. Taunton Municipal Lighting Plant. 2011. CWA Section 316(a) Demonstration and Study Plan.
51. United States Geological Survey. Daily Discharge Data for USGS 01108000, Taunton River Near Bridgewater MA, 1930-2012.

- 52.** United States Geological Survey. Daily Discharge Data for USGS 01109060, Three Mile River Near Dighton MA, 2004-05.
- 53.** United States Geological Survey. Daily Discharge Data for USGS 01109070, Segreganset River Near Dighton MA, 2004-05.
- 54.** Upper Blackstone Water Pollution Abatement District, NPDES No. MA0102369. 2008, modified 2009. Published Online:
<http://www.epa.gov/region1/npdes/permits/2008/finalma0102369permit.pdf>
- 55.** *Upper Blackstone Water Pollution Abatement District*, NPDES Appeal Nos. 08-11 to 08-18 & 09-04, 14 E.A.D. 577, 606 (May 28, 2010).
- 56.** US EPA. Findings of Violation and Order for Compliance, Docket No. 08-042, In the Matter of City of Taunton, MA, NPDES Permit No. MA 0100897. September 26, 2008.
- 57.** Site Visit Photos. 2006.
- 58.** Veolia Water. CSO Annual Report/Taunton, MA, Year 2010, NPDES Permit No. MA0100897. January 12, 2011.