ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

588 Silver Street
Agawam, MA 01001
Telephone 413-789-3530
Fax 413-789-2776
www.atcgroupservices.com

US EPA Region 1
NCCW GP Processing
Mail Code: OEP 06-4
5 Post Office Square, Suite 100
Boston, MA 02109

November 2, 2018
Project No. 183DF18003
Document No. 49464

RE: Noncontact Cooling Water General Permit Notice of Intent
Permit Number MAG250960

To Whom It May Concern:

On behalf of our client, BI-QEM, Inc. (formerly Chemiplastica, Chemitorp) located at 238 Nonotuck Street in Northampton, Massachusetts, ATC Group Services LLC (ATC) is providing the attached permit renewal application for non-contact cooling water discharges. The facility is proposing to continue non-contact cooling water discharges to the Mill River via outfall Number 001 as previously permitted under permit number MAG250960.

If you have any questions or require additional information please contact the undersigned at your convenience.

Respectfully submitted
ATC GROUP SERVICES LLC

Nickolas Anderson
Project Manager

Daniel W. Felten, PE, LSP, LEP
Senior Vice President, Technical Liaison

NA/DWF/kab
Attachments

cc: Enrico Maria Calegari, BI-QEM, Inc.
Emanuele Armando Verga, BI-QEM, Inc.
Carlos Perez, BI-QEM, Inc.

NONCONTACT COOLING WATER GENERAL PERMIT NOTICE OF INTENT
PERMIT NUMBER MAG250960

BI-QEM, INC.
238 NONOTUCK STREET
FLORENCE, MASSACHUSETTS
ATC PROJECT NO. 183DF18003
DOCUMENT NO. 49464
November 2, 2018

Prepared by:

ATC Group Services LLC
588 Silver Street
Agawam, MA 01001
Phone: (413) 789-3530
Fax: (413) 789-2776

Prepared for:

Bi-QEM, Inc.
238 Nonotuck Street
Florence, MA 01062

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1.0 INTRODUCTION

1.1 BACKGROUND

BI-QEM, Inc. (formerly Chemiplastica and Chemitorp) is located at 238 Nonotuck Street in Northampton, Massachusetts. The BI-QEM facility manufactures urea and melamine molding compounds. The facility operates under a Standard Industrial Classification (SIC) code of 2821, "Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers". BI-QEM has an existing Non-Contact Cooling Water (NCCW) Discharge Permit, MAG250960, for discharge of non-contact cooling water associated with melamine molding compound production. This process requires heating of the production batch which is subjected to a cooling step following completion of heated production.

1.2 SCOPE OF THE APPLICATION

This Notice of Intent (NOI) is intended to obtain coverage under the new General Permit for NCCW Discharges from the Massachusetts Department of Environmental Protection (MADEP) and the United States Environmental protection Agency (USEPA) for the BI-QEM facility. BI-QEM discharges their NCCW to the Mill River in Northampton, Massachusetts. The Request for General Permit Authorization to Discharge NCCW form is provided as Appendix A.

1.3 NOI SUPPLEMENTAL INFORMATION

Supplemental information is summarized in this letter. Documents and figures required in the Request for General Permit Authorization to Discharge NCCW form are provided as attachments where indicated.

1.4 CALCULATIONS

BI-QEM discharges process-generated NCCW to the Mill River. Therefore, engineering calculations for the surface water temperature rise due to the discharge of the NCCW are required. The temperature rise of the surface water was calculated as shown below [1, eq. (1)]:

eq (1):

$\Delta T_r = m_p/m_r \times \Delta T_p$

Where
ΔT_r = change in river temperature, °F
m_p = flow rate of effluent, MGD
m_r = flow rate of river, MGD
ΔT_p = change in temperature of NCCW, effluent - influent, °F

Known
m_p = 0.01 MGD
m_r = 3.2 MGD
ΔT_p = (83°F)-(57.9°F) = (25.1°F)

Solve for ΔT_r
$\Delta T_r = (m_p/m_r) \times \Delta T_p$

ΔT_r = (0.01 MGD / 3.2 MGD) x (25.1°F)
$\Delta T_r = 7.84 \times 10^{-2}$ °F

[1] "*National Pollutant Discharge Elimination System (NPDES) General Permits for Non-Contact Cooling Water Discharges Attachment B: Example Engineering and Dilution Factor Equations" USEPA Region 1, 2014, p. 2, Receiving water temperature change calculations equation 4.*

The flow rate of the Mill River (7Q10 value) is 3.2 million gallons per day (MGD). The maximum flow rate of the NCCW from the BI-QEM facility is 0.01 MGD. The change in temperature of the NCCW at the facility is approximately 25.1 °F. The input of these values into the above equation results in a ΔT_r value of 7.84×10^{-2} °F.

2.0 SAMPLE ANALYSIS

2.1 SAMPLE ANALYSES SUMMARY

BI-QEM uses a private well located at the facility as the source of NCCW. Because groundwater (well water) is used as the NCCW source, effluent sampling and testing was completed for the parameters required in Section 5.4 of the General Permit. The pH testing of the effluent NCCW was performed by BI-QEM personnel. pH results are provided as analysed from NCCW effluent samples collected during September 2018 and as reported on the facility's monthly Discharge Monitoring Report. All other samples were collected by Tighe & Bond of Westfield, MA on September 24, 2008 and submitted to Test America Laboratories, Inc. for analysis. Analytical data are provided as Appendix B and summarized in tabular form below:

Field ID	Sample Date	Collection Location	Parameter	Result
Raytor-1	9/24/2008	Effluent NCCW	Antimony	ND
			Arsenic	ND
			Cadmium	ND
			Chromium (Total)	ND
			Copper	0.023 mg/L
			Iron	ND
			Nickel	ND
			Silver	ND
			Zinc	0.260 mg/L
Raytor-2	9/24/2008	Effluent NCCW	Mercury	ND
Raytor-3	9/24/2008	Effluent NCCW	Chromium (VI)	ND
Raytor-4	9/24/2008	Effluent NCCW	Chloride	4.6 mg/L
Raytor-5	9/24/2008	Effluent NCCW	Hardness (as calcium carbonate)	32 mg/L
Outfall-001-Grab-Sept-2018	9/2018 Composite	Outfall 001	pH (min)	7.65 su
			pH (max)	7.82 su

Notes:
· "ND" = Non-Detect, analytical result not detected above laboratory method detection limits.

3.0 ENDANGERED SPECIES

3.1 ENDANGERED SPECIES SUMMARY

A summary of correspondence related to the presence of federally listed endangered and threatened species is included in this section. The United States Department of the Interior, Fish and Wildlife Service (USF&WS) was contacted in 2018 by BI-QEM personnel. The USF&WS indicated that "…no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area." Copies of this correspondence are included in Appendix C.

4.0 HISTORIC PLACES

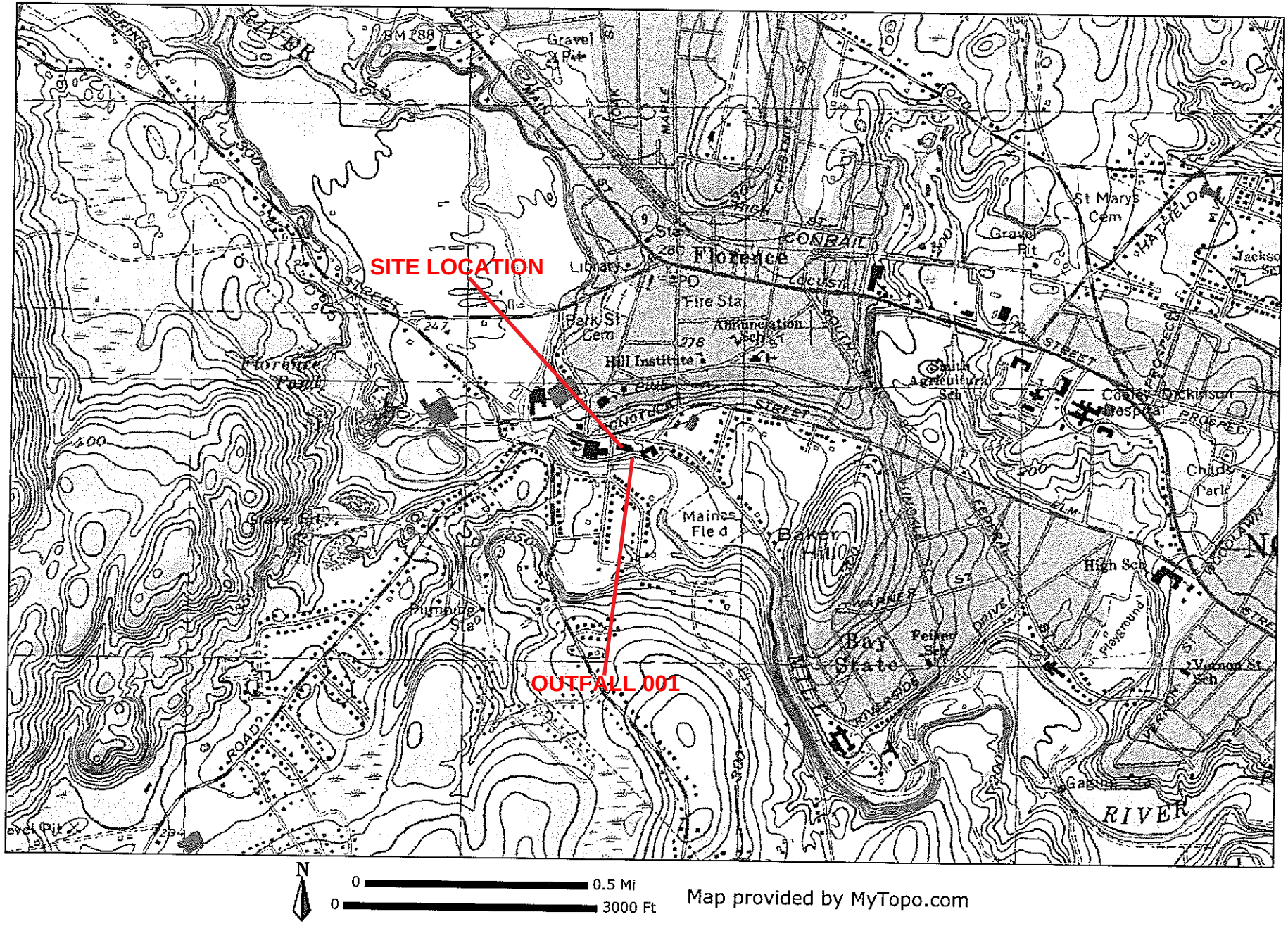
4.1 HISTORIC PLACES SUMMARY

A review of the National Register of Historic Places information listed on the United States National Park Service's web site indicated that no historic properties are on-site or in the proximity of the facilities discharge of NCCW. The current list of historic properties in Northampton was exported from the National Register of Historic Places (NRHP) website. Additionally, a map of the area proximal to the facility was generated from the NRHP website and marked-up to show the facility and labeled indicating locations of proximal Historic Places. These documents are provided in Appendix D.

Figure 1

Topographic Site Locus

FIGURE 1 SITE LOCUS



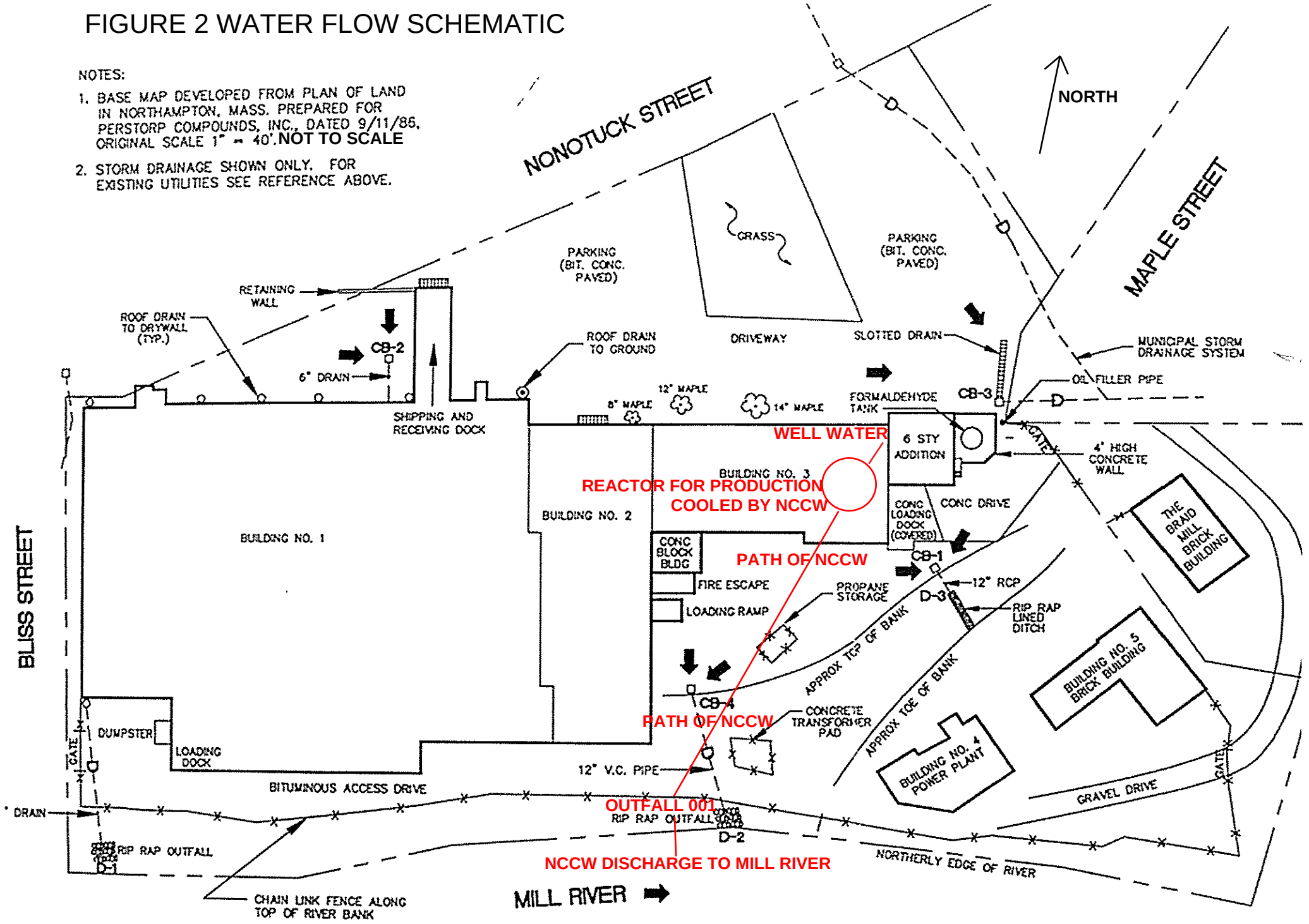
BI-QEM, Inc.
238 Nonotuck Street
Florence, Massachusetts

ATC GROUP SERVICES LLC
183DF18003
October 2018

Figure 2

Water Flow Schematic

FIGURE 2 WATER FLOW SCHEMATIC



BI-QEM, Inc.
238 Nonotuck Street
Florence, Massachusetts

ATC GROUP SERVICES LLC
183DF18003
October 2018

Appendix A

Request for Authorization to Discharge NCCW Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY - REGION 1
FIVE POST OFFICE SQUARE SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

Request for General Permit Authorization to Discharge Noncontact cooling Water
Notice of Intent (NOI) to be covered by the General Permit

Noncontact Cooling Water General Permit (NCCWGP)
NPDES General Permits No. MAG250000 and NHG250000

A. Facility Information

1. Indicated applicable General Permit for discharge: MAG250000 ☒
NHG250000 ☐

2. Facility Information/Location:
Facility Name BI-QEM Inc. (Formerly Chemiplastica)
Street/PO Box 238 Nonotuck Street City Florence
State Massachusetts Zip Code 01062
Latitude 42.329755 Longitude -72.673307
Type of Business Plastic Materials, Synthetic Resins and Nonvulcanizable Elastomers
SIC Codes(s) 2821

3. Facility Mailing address (if different from Location Address):
Facility Name SAME AS ABOVE
Street/PO Box _____ City _____
State _____ Zip Code _____

4. Facility Owner:
Name BI-QEM Inc.
E-mail Carlos Perez, General Manager <carlos.perez@bi-qem.com>
Street/PO Box 238 Nonotuck Street City Florence
State Massachusetts Zip Code 01062
Contact Person Carlos Perez Tel (413) 584-2472
Owner is (check one): Federal _____ State _____ Tribal _____ Private X
Other (describe) _____

5. Facility Operator (if different from above):
Legal Name SAME AS ABOVE
E-mail _____
Street/PO Box _____ City _____
State _____ Zip Code _____
Contact Person _____ Tel _____

6. Current permit coverage: yes☐ no☒
   a) Has a prior NPDES permit (individual or general permit coverage) been granted for the discharge that is listed on the NOI? yes☒ no☐ If Yes, permit number MAG250960
   b) Is the facility covered by an individual NPDES permit for other discharges? yes☒ no☐
   If yes, Permit Number: MAR053290

c) Is there a pending NPDES application on file with EPA for this discharge? yes☐ no☒
If yes, date of submittal: _____ and permit number, if available _____

7. Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water.
Map attached? ☒

B. Discharge Information (attach additional sheets as needed):

1. Name of receiving water into which discharge will occur: Mill River
Freshwater ☒ Marine Water ☐
State Water Quality Classification Class B
Type of Receiving Water Body (e.g., stream, river, lake, reservoir, estuary, etc.) Stream - Warm Water Fishery

2. Attach a line drawing or flow schematic showing water flow through the facility including sources of intake water, operations contributing to flow, treatment units, outfalls, and receiving water(s). **Line drawing or flow diagram attached**? ☒

3. Describe the discharge activities for which the owner/applicant is seeking coverage (e.g., building cooling, process line cooling, etc.) Process Cooling

4. Number of Outfalls 1 Latitude and Longitude to the nearest second for each Outfall. See EPA's siting tool at http:/www.epa.gov/tri/reporting/siting_tool. Attach additional pages if necessary.

Outfall # 001 Latitude 42.329303 Longitude -72.673917
Outfall # Latitude _____ Longitude _____
Outfall # Latitude _____ Longitude _____

5. For each Outfall provide the following discharge information:

Outfall # 001
a) Maximum Daily Flow 0.01 MGD Average Monthly Flow 0.0048 MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.
b) Maximum Daily Temperature 83 °F Average Monthly Temperature 64 °F
c) Maximum Monthly pH 7.59 s.u. Minimum Monthly pH 7.27 s.u.
d) Outfall's discharge is: continuous ☒ intermittent ☐ seasonal ☐

Outfall # _____
a) Maximum Daily Flow _____ MGD Average Monthly Flow _____ MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.
b) Maximum Daily Temperature _____ °F Average Monthly Temperature _____ °F
c) Maximum Monthly pH _____ s.u. Minimum Monthly pH _____ s.u.
d) Outfall's discharge is: continuous ☐ intermittent ☐ seasonal ☐

Outfall # _____
a) Maximum Daily Flow _____ MGD Average Monthly Flow _____ MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.
b) Maximum Daily Temperature _____ °F Average Monthly Temperature _____ °F
c) Maximum Monthly pH _____ s.u. Minimum Monthly pH _____ s.u.
d) Outfall's discharge is: continuous ☐ intermittent ☐ seasonal ☐

6. Is the source of the NCCW potable water? yes☒ no☐
If yes, EPA will calculate a Total Residual Chlorine effluent limit for your facility.

7. Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 3.2 MGD
Attach any calculation sheets used to support stream flow and/or dilution calculations.

8. **For facilities that discharge to Massachusetts surface waters:**
a) Submit the completed engineering calculation of the surface water temperature rise as shown in Attachment B of the General Permit. Calculation attached? ☒
b) Does the discharge occur in an Area of Critical Environmental Concern (ACEC)? yes☐ no☒
If yes, provide the name of ACEC _____
Note: See Part 3.4 and Appendix 1 of the General Permit for more information on ACEC.

C. Chemical Additives

1. Are any non-toxic neutralization and/or dechlorination chemicals used in the discharge(s)? yes☐ no☒

2. If yes, attach a listing of each chemical used. Include the chemical name and manufacturer; maximum and average daily quantity used on a monthly basis, as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC_{50} in percent for typically acceptable aquatic organism).

3. Was the listing submitted with the facility's 2008 NCCWGP NOI? yes☐ no☐

D. NCCW Source Water Information

1.State the source of the NCCW (e.g., municipal water supply, private well, surface water withdrawal, etc.).
Source Private Well Water Name of Source Water_____

2. Is the source water registered/permitted under MA Water Management Act or NHDES User Registration Rule (ENV WQ 2202)? yes☐ no☒ If yes, registration number _____

3. If the source water is groundwater (non-municipal well water), see Appendix 9 of the General Permit and submit effluent (and receiving water hardness) test results, as required in Part 5.4 of the General Permit.
Test results attached? ☒

4. Does the facility use both a primary and backup source of NCCW? yes☐ no☒ If yes, **attach information** that identifies and explains the primary and backup sources of NCCW and how often the backup supply was used in the past three years.

E. Best Technology Available for Cooling Water Intake Structures (CWISs)

If the facility's discharge is covered by this General Permit and the facility **withdraws non-contact cooling water from a surface water**, you are subject to the BTA requirements at Part 4.2 of the General Permit.

1. Are you subject to the BTA requirements of the General Permit? yes☐ no☒
a) If no, explain Facility does not withdraw NCCW from Surface Water and skip to F.
b) If yes, was the facility-specific BTA description submitted with the facility's 2008 NCCW GP NOI? yes☐ no☐
c) If yes, does that description accurately describe the facility current operations and practices? yes☐ no☐

2. If the facility is subject to the General Permit's BTA requirements and is requesting coverage under the NCCWGP for the first time, or if you answered "No" to question E.1.c. above, attach the facility-specific BTA description as required in Part 4.2 of the General Permit. For additional information and guidance, see Section IV of the Fact Sheet.

Include in your description:

a) Measures to meet the General Permit Part 4.3.a general BTA requirements, including documentation that describes the facility's monitoring program for impinged fish and/or invertebrate; or the required alternative monitoring plan frequency and/or protocol.
b) A characterization of the source water body's aquatic life habitat in the vicinity of each CWIS during the seasons when the CWIS may be in use.
c) The attributes of the current CWIS.
d) The design measures of the CWIS.
e) The operation measures of the CWIS.
f) The historical occurrence of impinged fish for the past five years.
g) If applicable, a demonstration that the facility's intake rate is commensurate with a closed-cycle recirculation system.
h) Other components to reduce impingement and/or entrainment of aquatic life.

3. Provide the following information for each CWIS to support your attached facility-specific BTA description:

a) The design capacity of the of the CWIS _____MGD
b) Maximum monthly average intake of the CWIS during the previous five years _____MGD
c) The month in which this flow reported in 3.b. occurred _____
d) The maximum through-screen design intake velocity _____feet/second (fps)

4. For facilities where the CWIS is located on a freshwater river or stream, provide the following information:

a) The source water's annual mean flow in MGD as available from USGS or other appropriate source _____ MGD
b) The design intake flow as a % of the source water's annual mean flow _____ %
Attach calculations if equal to or less than 5% of annual mean flow.
c) The source water's 7Q10 _____ MGD
d) The design intake flow as a percent of the source water's 7Q10 _____%

5. Provide a map showing the location of each cooling water intake structure; NCCW Outfall(s) and CWIS features referred to in the BTA description. **Map attached?** ☐

F. Endangered Species Act Eligibility Information

Using the instructions in Appendix 2 of the NCCW GP, which of the following criteria apply to your facility? USFWS Criteria: A ☒ B ☐ C ☐

1. If you selected USFWS criteria B, has consultation with the U.S. Fish and Wildlife Service been completed?
yes☐ no☐

2. If consultation with US Fish & Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received?
yes☒ no☐

3. Attach documentation of ESA eligibility for USFWS as required at Part 3.4 and Appendix 2 of the General Permit.
Documentation attached? YES

4. Please indicate if your facility **directly intakes water for non-contact cooling** from any of the following waterbodies:

☐ Merrimack River
☐ Connecticut River
☐ Piscataqua River
☐ Taunton River

EPA will consult with the National Marine Fisheries Service on cooling water intakes covered under this permit in areas (in the above waterbodies) of the endangered Shortnose Sturgeon and Atlantic Sturgeon.

G. National Historic Properties Act Eligibility

1. Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge? yes☐ no☒

2. Have any State or Tribal Historic Preservation Officers been consulted in this determination? yes☐ no☒
If yes, attach the results of the consultation(s).

3. Which of the three National Historic Preservation Act scenarios listed in Appendix 3, Section C have you met?
☒ 1 ☐ 2 ☐ 3

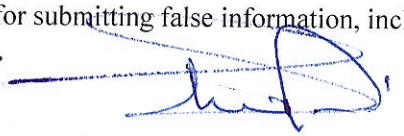
H. Supplemental Information

Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any analytical data used to support the application. Attach any certification(s) required by the General Permit.

I. Signature Requirements

The NOI must be signed by the operator in accordance with the signatory requirements of 40 CFR § 122.22 (see below) including the following certification:

> I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the noncontact cooling water (NCCW) system; (2) the discharge consists solely of NCCW (to reduce temperature) and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product (other than heat) or finished product; (4) if the discharge of noncontact cooling water subsequently mixes with other wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for noncontact cooling water; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.
>
> Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature  Date 10.25.2018

Printed Name and Title TREASURER ENRICO MARIA CALEGARI

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

Appendix B

Laboratory Analytical Data

Doug Stellato
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-18993-1

Client Sample ID: Raytor- 1
Lab Sample ID: 360-18993-1

Date Sampled: 09/24/2008 1530
Date Received: 09/24/2008 1630
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: Total Recoverable-200.7 Rev 4.4		Date Analyzed:	09/25/2008 1400	
Prep Method: 200.7		Date Prepared:	09/25/2008 0823	
Silver	ND	ug/L	5.0	1.0
Arsenic	ND	ug/L	10	1.0
Cadmium	ND	ug/L	1.0	1.0
Chromium	ND	ug/L	5.0	1.0
Copper	23	ug/L	10	1.0
Iron	ND	ug/L	100	1.0
Nickel	ND	ug/L	10	1.0
Antimony	ND	ug/L	6.0	1.0
Zinc	260	ug/L	50	1.0

Doug Stellato
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-18993-1

Client Sample ID: Raytor- 2
Lab Sample ID: 360-18993-2

Date Sampled: 09/24/2008 1530
Date Received: 09/24/2008 1630
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 245.1		Date Analyzed:	09/26/2008 1257	
Prep Method: 245.1		Date Prepared:	09/26/2008 0835	
Mercury	ND	ug/L	0.20	1.0

Doug Stellato
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-18993-1

Client Sample ID: Raytor- 3
Lab Sample ID: 360-18993-3

Date Sampled: 09/24/2008 1530
Date Received: 09/24/2008 1630
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: SM 3500 CR D		Date Analyzed:	09/25/2008 0852	
Chromium (hexavalent)	ND	mg/L	0.0050	1.0

Doug Stellato
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-18993-1

Client Sample ID: Raytor- 4
Lab Sample ID: 360-18993-4

Date Sampled: 09/24/2008 1530
Date Received: 09/24/2008 1630
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 300.0		Date Analyzed:	09/25/2008 2114	
Chloride	4.6	mg/L	1.0	1.0

Doug Stellato
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-18993-1

Client Sample ID: Raytor- 5
Lab Sample ID: 360-18993-5

Date Sampled: 09/24/2008 1535
Date Received: 09/24/2008 1630
Client Matrix: Water

Analyte	Result/Qualifier	Unit		RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	09/26/2008 1312	
Prep Method: 200.7			Date Prepared:	09/25/2008 0916	
Calcium	9700	ug/L		400	1.0
Magnesium	1800	ug/L		400	1.0
Method: SM 2340B			Date Analyzed:	09/26/2008 1312	
Hardness as calcium carbonate	32	mg/L		2.6	1.0

Appendix C

US DI F&WS Correspondence

BI-QEM

GLOBAL GREEN CHEMICALS SINCE 1955

May 16, 2018

Marty Miller, Chief Endangered Species
Region 5 – Northeast
300 Westgate Center Drive
Hadley, MA 01035-9589

RE: NOI, NPDES stormwater discharge general permit, stormwater pollution prevention plan

Dear Mr. Miller,

I am requesting information on the presence of federally listed and or proposed endangered or threatened species in relation to the proposed activity (ies) referenced above.

Our facility is located at 238 Nonotuck Street, in Florence MA, along the Mill River. We will be outfalling our noncontact cooling water and stormwater into the river. Noncontact cooling will amount to about 600 gallons in 3 hours on average (majority in 15 minutes- 30 gallons/minute). Stormwater of course depends on rainfall.

If you have any questions or comments, please contact me a 413-584-2472

Sincerely

David Kelley
EHS Manager
David.Kelley@Bi-Qem.com

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

June 8, 2018

Reference: Project
NPDES stormwater discharge general permit
stormwater pollution prevention plan

Location
Florence, MA

Mr. David Kelley
Bi-Qem, Inc.
238 Nonotuck Street
Florence, MA 01062

Dear Mr. Kelley:

This responds to your recent correspondence requesting information on the presence of federally listed and/or proposed endangered or threatened species in relation to the proposed activity referenced above. These comments are provided in accordance with the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531, *et seq.*).

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area. Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

To obtain updated lists of federally listed or proposed threatened or endangered species and critical habitats, it is not necessary to contact this office. Instead, please visit the U.S. Fish and Wildlife Service's Environmental Conservation Online System website for the Information, Planning, and Conservation System:

http://ecos.fws.gov/ipac/ (accessed May 2018)

By following the procedures outlined on the website, you should be able to generate a species list or a no species present determination for your project. There are also links to listed species documents that may allow you to conclude if habitat for a listed species is present in the project area. If no such habitat exists, then no federally listed species are present in the project area and

there is no need to contact us for further consultation. If the above conclusion cannot be reached, further consultation with this office is advised. Information describing the nature and location of the proposed activity that should be provided to us for further informal consultation can be found at the above-referenced site.

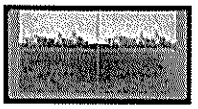
Thank you for your coordination. Please contact Susi von Oettingen of this office at 603-227-6418 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

Appendix D

National Register of Historic Places Documentation

Building at 8-22 Graves Avenue		November 7, 1985 (#85002784)	8-22 Graves Ave. 42°19′19″N72°37′44″W	Northampton		
15	Calvin Coolidge House		December 12, 1976 (#76000262)	19-21 Massasoit St. 42°19′29″N72°38′49″W	Northampton	
19	Dorsey-Jones House		September 2, 2005 (#05000931)	191 Nonotuck St. 42°19′52″N72°40′18″W	Northampton	Underground Railroad in Massachusetts MPS
22	Fort Hill Historic District		April 7, 1989 (#88000910)	Roughly South St. from Lyman to Monroe 42°18′43″N72°38′01″W	Northampton	
25	Grove Hill Mansion	 More images	August 11, 1982 (#82001910)	Florence Rd. and Front St. 42°21′11″N72°41′58″W	Northampton	
35	The Manse		October 14, 1976 (#76000263)	54 Prospect St. 42°19′20″N72°38′12″W	Northampton	
39	Miss Florence Diner		September 22, 1999 (#99001123)	99 Main St. 42°20′07″N72°40′18″W	Northampton	
46	Northampton Downtown Historic District		May 17, 1976 (#76000270)	Roughly bounded by Hampton, Pearl, Strong, Bedford, Elm, MA 66, and railroad tracks 42°19′05″N72°37′57″W	Northampton	Boundary increase approved July 3, 1985.
47	Northampton State Hospital		July 25, 1994 (#94000696)	1 Prince St. 42°18′45″N72°39′16″W	Northampton	Facilities largely demolished in the 2000s.
48	Northampton Veterans Administration Hospital Historic District		December 4, 2012 (#12000994)	421 N. Main St. 42°20′59″N72°40′54″W	Northampton	
52	Parsons, Shepherd, and Damon Houses Historic District		June 6, 2001 (#01000627)	46, 58 and 66 Bridge St. 42°19′20″N72°37′35″W	Northampton	
58	Ross Farm		January 8, 2008 (#07001360)	123 Meadow St. 42°20′02″N72°40′49″W	Northampton	Underground Railroad in Massachusetts MPS
59	Smith Alumnae Gymnasium		April 30, 1976 (#76000259)	Smith College campus Green St. 42°19′01″N72°38′18″W	Northampton	

# of Historic Places

Register spatial data processed by the Cultural Resources GIS facility. Data last updated in April, 2014.