

APPENDIX 4
NOTICE OF INTENT AND NOTICE OF TERMINATION INSTRUCTIONS
AND SUGGESTED FORMS AND MAILING ADDRESSES
FOR THE NONCONTACT COOLING WATER GENERAL PERMIT

I. Suggested Notice of Intent (NOI) Form

In order to be covered by the Noncontact Cooling Water General Permit (NCCW GP) applicants must submit a written NOI to EPA-New England and the appropriate state agency. The NOI consists of either the suggested NOI form included as Appendix 5 or another form of official correspondence that contains all of the information required in the General Permit, the NOI instructions and the suggested form.

A. Instructions for the NOI

At a minimum, the NOI must include the following information for each individual facility. Additional information may be attached as needed.

1. General Facility Information.

- a) Provide the facility name, facility address and mailing address (if different from location address), and telephone and fax numbers. Provide a facility contact name and email address.
- b) Provide the legal name, address, telephone and fax number of the owner and operator (if not the owner) if different from the facility information. Indicate whether the owner is a Federal, State, Tribal, private or other entity.
- c) Provide the facility's SIC code(s), type of business, and the facility location(s), including its longitude and latitude.
- (d) Provide a topographic map indicating the location(s) of the facility and receiving water; discharge point(s); and upstream and downstream temperature monitoring points.
- (e) Provide the answer to the following questions:
 - 1. Has a prior NPDES permit been granted for this discharge? If yes, provide the permit number.
 - 2. Is the discharge a "new discharge" as defined by 40 CFR Section 122.2?
 - 3. Is the facility covered by an individual NPDES permit? If yes, provide the permit number.
 - 4. Is there a pending application on file with EPA for this discharge?

2. Discharge Information.

- a) Provide the name of the receiving water(s) into which each outfall will discharge and identify if it is freshwater or marine water and its state water quality classification.
- b) Describe the project or activity that generates the discharge(s) to be covered by the permit.

c) For Massachusetts facilities only: Submit the completed engineering calculation of surface water temperature rise as shown in Attachment A of the General Permit.

d) Provide the number of outfalls; and for each outfall, provide the following information:

1. The flow in GPD – both the maximum daily and average flow rate of the discharge in gallons per day; Note: The facility's authorized effluent flow will be limited to the flow reported here;
2. The maximum daily and monthly average temperature of discharge, in degrees Fahrenheit;
3. The maximum and minimum monthly pH of discharge (in s.u.);
4. Massachusetts Facilities Only: Is the source of the NCCW potable water? If yes, EPA will calculate the Total Residual Chlorine effluent limit;
5. State whether the discharge(s) is continuous, periodic (occurs regularly, for example monthly or seasonally, but is not continuous all year) or intermittent (occurs sometimes but not regularly), or both. If the discharge is periodic, specify the frequency (number of days or months per year) of the discharge and the specific months of discharge. If the discharge is intermittent, specify the number of days per year there is intermittent discharge; and,
6. The latitude and longitude of each discharge point (outfall) with an accuracy of 100 feet (see EPA's siting tool at: http://www.epa.gov/tri/report/siting_tool/).

k) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water. Please attach any calculation sheets used to support stream flow and dilution calculations. See General Permit Attachment B for equations and additional information.

l) For Massachusetts facilities only: Determine if the discharge is into an Area of Critical Environmental Concern (ACEC) and, if yes, provide the name of the ACEC. See Part 3.4 and Appendix 1 of the General Permit for more information on ACECs.

3. NCCW Source Water Information

a) Identify the source of the NCCW (i.e., municipal water supply, private well, surface water withdrawal, groundwater); provide the name of the source water. State if the source is registered or permitted under either the Mass Water Management Act or the NHDES Water User Registration Rule (Env Wq 2202). If yes, provide registration number and amount of the permitted withdrawal.

b) If the source of the NCCW is from a surface water body, provide the following information: Is it a freshwater river or stream? Is it a lake or reservoir? Is it tidal river, estuary or ocean?

c) Is the source of the NCCW groundwater? If yes, See Appendix 8 and submit effluent and surface water test results, as required in Part 5.4 of the General Permit.

d) Does the facility use both a primary and backup source of noncontact cooling water? If yes, include information that identifies and explains the primary and backup sources for NCCW and how often the backup supply was used in the last three years.

4. Best Technology Available for CWIS

Are you subject to BTA requirements at Part 4.2 of the General Permit? (The facility's discharge is covered by this General Permit and the facility withdraws noncontact cooling water from surface source water). If no, provide a written explanation.

If yes, provide a facility-specific BTA description as required in Part 4.3 of the General Permit. For additional information and guidance, see Questions 13- 23 of the NCCW Fact Sheet, posted at <http://www.epa.gov/region1/npdes/nccwgp.html>. Provide a map showing the location of each CWIS intake structure; NCCW outfall(s) and any CWIS feature referred to in the BTA description.

Does your description include the measures to meet the (i) 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 program frequency and/or protocol; (ii) 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; (iii) the attributes of the current CWIS; (iv) design measures of the CWIS; (v) operation measures of the CWIS; (vi) historical occurrence of impinged fish for the past five years; (vii) if applicable, a demonstration that the facility's intake rate is commensurate with a closed-cycle recirculation system; and (viii) other components to reduce impingement and/or entrainment of aquatic life?

Provide the following information for each CWIS to support the facility-specific BTA description in the written description: the design capacity of the CWIS in MGD; maximum monthly average intake of the CWIS during the previous five years in MGD; month in which this flow occurred; and the maximum through-screen design intake velocity in feet/second (fps).

For facilities where the CWIS is located on a freshwater river or stream, provide the following information: the source water's annual mean flow in cubic feet/second (cfs) as available from USGS or other appropriate sources; the design intake flow as a percent of the source water's annual mean flow and attach the calculations if equal to or less than 5% of annual mean flow; the source water's 7Q10 in cfs (See Attachment B of the General Permit for more information on 7Q10 determinations); and the design intake flow as a percent of the source water's 7Q10.

5. Contaminant Information.

Provide a listing of all non-toxic pH neutralization and/or dechlorination chemicals used as required in Parts 1.B.8 and 2.B.5 of the General Permit. Include product name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the NCCW discharge; and the vendor's reported aquatic toxicity (NOAEL and/or LC₅₀ in percent for aquatic organism(s)).

6. Determination of Endangered Species Act Eligibility

Provide documentation of ESA eligibility as required at Part 3.4 and Appendix 2, Part C, Step 4 of the General Permit and respond to the following questions:

- a) Indicate whether any listed threatened or endangered species, designated critical habitat, or essential fish habitat, are in the proximity of the discharge(s) to be covered by this permit.
- b) Indicate whether any consultation with the federal Services has been completed.
- c) Indicate if the consultation is underway.
- d) Provide the results of the consultation with the US Fish and Wildlife and/or NOAA Fisheries Service: a “no jeopardy” opinion; or written concurrence on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat.
- e) Identify which of the five eligibility criteria listed in Appendix 2, Section B (criteria A, B, C, D or E) that you have met.
- f) Include with the NOI, a copy of the most current federal listing of endangered and threatened species found at USF&W web site
http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation_Project_Review.htm

7. Documentation of National Historic Preservation Act Requirements

Respond to the following questions:

- a) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
- b) Have any state or tribal historic preservation officer (SHPO or THPO) been consulted in making this determination? Provide the results of the consultation.
- c) Which of the three National Historic Preservation Act requirements listed in Appendix 3, Section C (requirements 1, 2, or 3) have you met?

8. Supplemental Information

Applicants should provide any supplemental information needed to meet the requirements of the permit, including, any analytical data used to support the application, and any certification(s) required by the permit.

9. Signature Requirements

The Notice of Intent must be signed and dated by the operator in accordance with the signatory requirements of 40 CFR Section 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, waste 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 the 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.

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 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.

B. Submission of NOI to EPA

Filing with EPA - All operators located in Massachusetts and New Hampshire that apply for coverage under this General Permit must submit a written NOI to EPA-New England. The completed, signed NOI forms and attachments must be submitted to EPA-NE at:

US Environmental Protection Agency
NCCW GP Processing
Municipal Assistance Unit (CMU),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

or electronically mailed to NCCW.GeneralPermit@epa.gov or faxed to the EPA Office at 617-918-2188.

Filing with the states - A copy of the NOI form filed with EPA-NE must also be filed with state agencies. The state agency may elect to develop a state specific form or other additional information requirements.

1. Discharges in Massachusetts

- a. New or Increased Discharges or Discharges currently covered by an individual permit

Facilities located in Massachusetts with new or increased discharges, or facilities with a NCCW discharge that is currently covered by an individual permit that have been requested to seek coverage under the general permit, must submit a copy of the completed EPA's Suggested Notice of Intent form found in Appendix 5; the completed State Transmittal Form; and a **copy** of the check for the appropriate State fee to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

The transmittal form, instructions, and fee amount may be obtained through the MassDEP website at <http://www.mass.gov/dep/>. Click on "Permits and Forms" for the transmittal form and fees. The permit category is BRP WM 11. Click on Forms, Wastewater, Surface Water Discharge, BRP WM 11 for DEP instructions.

In addition, the appropriate fee and a copy of the transmittal form must be sent to:

Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

b. Administratively Continued Discharges under the expired General Permit

Facilities located in Massachusetts with NCCW discharges that were covered under the expired general permit had their coverage administratively continued if the facility submitted a renewal application before the permit expired on April 25, 2005. To obtain coverage under this General Permit, these facilities must submit a completed copy of EPA's Suggested Notice of Intent Form, Appendix 5, and a copy of the MassDEP transmittal from their previous application to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

All applicants should keep a copy of the complete application package for their records.

a) Discharges in New Hampshire: All applicants must provide a completed copy of EPA's Suggested Notice of Intent Form included as Appendix 5 or other official correspondence that contains all of the information required in the General permit, the NOI instructions and the suggested form to:

New Hampshire Department of Environmental Services
Water Division, Wastewater Engineering Bureau
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095

II. Notice of Termination (NOT)

Operators of facilities and/or operations authorized under this permit shall notify US EPA-New England of the termination of discharge(s) authorized under the noncontact cooling water general permit (NCCW GP). The NOT must be either the suggested NOT form (See Appendix 7) or another form of official correspondence containing the information required in the instructions

below. The NOT must be completed and submitted within 30 days of the permanent cessation of the discharge(s) authorized by the NCCW GP.

A. Instructions for the NOT - The NOT requires the following information:

- 1) Name, mailing address, and location of the facility or site for which the notification is submitted;
- 2) Name, address and telephone number of the operator addressed by the NOT;
- 3) The NPDES permit number assigned;
- 4) An indication that the discharge has been permanently terminated and the reason for the termination (i.e., connected to municipal sewer, conversion to a closed loop system, other); and
- 5) Signatory requirements according to 40 CFR 122.22 (see NOI instructions) in addition to the following certification:

I certify under penalty of law that all discharges from the identified facility that are authorized by the Noncontact Cooling Water General Permit (the NCCW GP), have been terminated. I understand that by submitting this Notice of Termination (NOT), I am no longer authorized to discharge waters covered by the NCCW GP and that discharging pollutants from the activity covered by the NCCW GP is unlawful under the Clean Water Act where the discharge is not authorized by a permit. I also understand that the submission of this NOT does not release an owner/operator from liability for any violation of the NCCW GP or the Clean Water Act.

B. Submission of NOT Forms - Signed and completed NOT forms and attachments must be submitted to EPA-NE at the address below. A copy of the NOT form must also be submitted to the appropriate state agency at the address below.

US Environmental Protection Agency
NCCW-NOT Processing
Municipal Assistance Unit (CMU),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

or electronically mailed to NCCW.GeneralPermit@epa.gov or faxed to the EPA Office at 617-918-2188,

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

New Hampshire Department of Environmental Services
Water Division, Wastewater Engineering Bureau
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095