

THE STATE OF NEW HAMPSHIRE
BEFORE THE
SITE EVALUATION COMMITTEE
DOCKET NO. 2012-01

APPLICATION OF ANTRIM WIND ENERGY, LLC
FOR A CERTIFICATE OF SITE AND FACILITY

FIRST SUPPLEMENTAL PREFILED TESTIMONY OF
DANIEL T. BUTLER AND PATRICK M. MARTIN
ON BEHALF OF
ANTRIM WIND ENERGY, LLC
October 11, 2012

Background and Qualifications of Daniel T. Butler

1 **Q.** Please state your name and business address.

2 **A.** My name is Daniel T. Butler. My business address is 249 Western Ave., Augusta, Maine
3 04330. My qualifications remain the same as those presented in my prefiled testimony submitted
4 in this docket on January 31, 2012.

5 **Q.** By whom are you employed and what position do you hold?

1 A. I am the Manager, Civil and Transmission Engineering Department with TRC
2 Companies, Inc. ("TRC"). My responsibilities remain the same as those presented in my prefiled
3 testimony submitted in this docket on January 31, 2012.

4 **Background and Qualifications of Patrick M. Martin**

5 **Q. Please state your name and business address.**

6 A. My name is Patrick M. Martin. My business address is 400 Southborough Drive, South
7 Portland, Maine 04106. My qualifications remain the same as those presented in my prefiled
8 testimony submitted in this docket on January 31, 2012.

9 **Q. By who are you employed and what position do you hold?**

10 A. I am a Civil Engineer with TRC Companies, Inc. ("TRC"). My responsibilities remain
11 the same as those presented in my prefiled testimony submitted in this docket on January 31,
12 2012.

13 **Purpose of Testimony**

14 **Q. What is the purpose of your supplemental testimony in this proceeding?**

15 A. The purpose of our supplemental testimony is to describe the additional information
16 provided, and revisions made, to the application at the request of New Hampshire Department of
17 Environmental Services ("NHDES") regarding civil engineering design. We will also discuss
18 revisions proposed by the Applicant.

19 **Q. What additional information or revisions were provided at the request of NHDES?**

20 A. At the request of NHDES, we provided additional information on June 14, 2012. This
21 information is provided in the Fourth Supplement to Application of Antrim Wind Energy, LLC,
22 Appendix 2I. It includes the following:

1 1) A pre- and post-development peak runoff analysis was provided in order to
2 demonstrate compliance with runoff control criteria. This was provided in addition to
3 information included in the original submittal.

4 2) A runoff curve number summary, produced by the runoff analysis software, was
5 provided in addition to information included in the original submittal.

6 3) A summary of the peak runoff flows and volumes for the 2, 10, and 50 year storms,
7 comparing the pre- and post-development conditions, was provided in order to demonstrate
8 compliance with runoff control criteria. This was provided in addition to information included in
9 the original submittal.

10 4) Sheet flow lengths for Time of Concentration calculations were revised to not exceed
11 100 feet.

12 5) NHDES Stormwater Treatment BMP worksheets were provided for each proposed
13 treatment device in order to demonstrate compliance with water quality criteria. These were
14 provided in addition to information included in the original submittal.

15 6) An NHDES Groundwater Recharge BMP worksheet was provided for the Project.
16 This was provided in addition to information included in the original submittal.

17 7) Specific construction monitoring notes were added to sheet G-2 of the permit plan set.

18 **Q. What additional information or revisions are proposed by the Applicant?**

19 A. In the Appendices to the Fourth Supplement to Application of Antrim Wind Energy, we
20 include additional revisions to the plans that are proposed by the Applicant. Appendix 2D-1 is
21 an Application for Driveway Permit which includes plans for a new 2.9 acre temporary staging
22 area is proposed for this Project. The staging area is located on State Route 9, approximately one

1 mile southwest of the Project entrance. This area has been cleared in the past, and is currently
2 mostly brush. The Applicant proposes to re-clear and grade the site, and stabilize the area with
3 6-12 inches of crushed stone. This will result in approximately 0.02 acres of wetland impact.
4 The site will be restored/revegetated after construction is complete.

5 Appendix 2H concerns a tower for a radar activated lighting system which is proposed
6 for this Project. The proposed tower will be located approximately 380 feet southeast of WTG-
7 10, near the southerly terminus of the access road. The tower will be 90 feet tall, with a caisson
8 foundation six feet in diameter. The apparatus will also require a concrete equipment pad
9 approximately 16' X 6'. This will result in an additional 125 sq. ft. of impervious surface. In
10 addition, a new buffer (B-25) has been designed in order to provide water quality treatment of
11 the new impervious surface.

12 **Q. Do any of these changes impact your assessment of whether or not the Project would**
13 **have an undue adverse impact on water quality or public safety?**

14 A. No, our professional opinion remains that there will not be an undue adverse impact on
15 water quality or public health and safety.

16 **Q. Do you have anything further to add to this testimony?**

17 A. No.