

Section 16
Water Supply

1.0 Water Supply Requirements

The Rollins Wind Project will not require water supply for the operation of the wind turbines or the electrical transmission equipment. The only on-going demand for water at the Project will be at the Operations and Maintenance (O&M) building. This will have drinking water and bathroom facilities, a shower for the staff, and hose bibs for routine maintenance needs. A septic system design by Dale Knapp (State of Maine Licensed Site Evaluator) has been sized to accommodate 300 gallons per day of flow and included in Section 17. A private water well will be drilled on-site to supply potable water to the O&M building

During construction, Evergreen (or its contractors) will supply drinking water for workers, water for dust abatement on the gravel access roads and other construction needs. Drinking water will be supplied either from the proposed water well at the O&M building site or brought in from off-site water sources.

2.0 Well Location

A preliminary site for a domestic water supply well has been located on the O&M Building site (see Exhibit 6). Maine Geological Survey mapping indicates that there are no significant sand and gravel aquifers underlying the area of the O&M building site. Adequate water supply for the O&M building can be provided by a small, residential-scale deep rock well. Based on initial investigations the modest needs of the O&M facility, it is unlikely that there would be any significant impacts to the local water bodies.

3.0 Construction Water Supply

There will be the need for additional non-potable water during construction for dust abatement, at a rate of up to 20,000 gallons per day, depending on conditions. Water for dust abatement will not be withdrawn from a ground water source, or rivers or streams. A tanker truck of approximately 4,000 gallons will withdraw water from local lake waters for this purpose. Given the limited volume of this withdrawal, this activity will not change the naturally occurring water levels of the surrounding lakes (reference 06-096 Chapter 587(6)).

4.0 Existing Bedrock Wells

Mr Robert Johnston, Senior Geologist with Maine's Department of Conservation Drinking Water program was contacted to obtain available information on existing water wells in the vicinity of the proposed well. (See Appendix 16-1). Based on the available well yield information in the database, there is a high probability that the proposed rock well will yield adequate supply for the potable needs of the O&M facility.

Appendix 16-1



JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF CONSERVATION
22 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0022

PATRICK K. MCGOWAN
COMMISSIONER

August 27, 2008

Emily Walsh, Project Manager
Stantec
30 Park Drive
Topsham, ME 04086

Ms. Walsh,

Enclosed is the information you requested on bedrock wells in the vicinity of Lincoln / Lee, Maine. A brief explanation: We have provided you with well information only on wells close to your project area.

The attached map shows bedrock wells in our database that we have **located**, either through a visit to town offices to match our well ownership information with property tax records or using E911 addresses. This is a total of 4 wells in the area you indicated in your letter. The enclosed table lists the well depth, casing length, yield, etc. for these wells.

The hydrologic information on the wells listed is as provided by the drillers - it has not been field checked. Also, our database is *not* comprehensive; *there are certainly other wells in the area for which we have no information.*

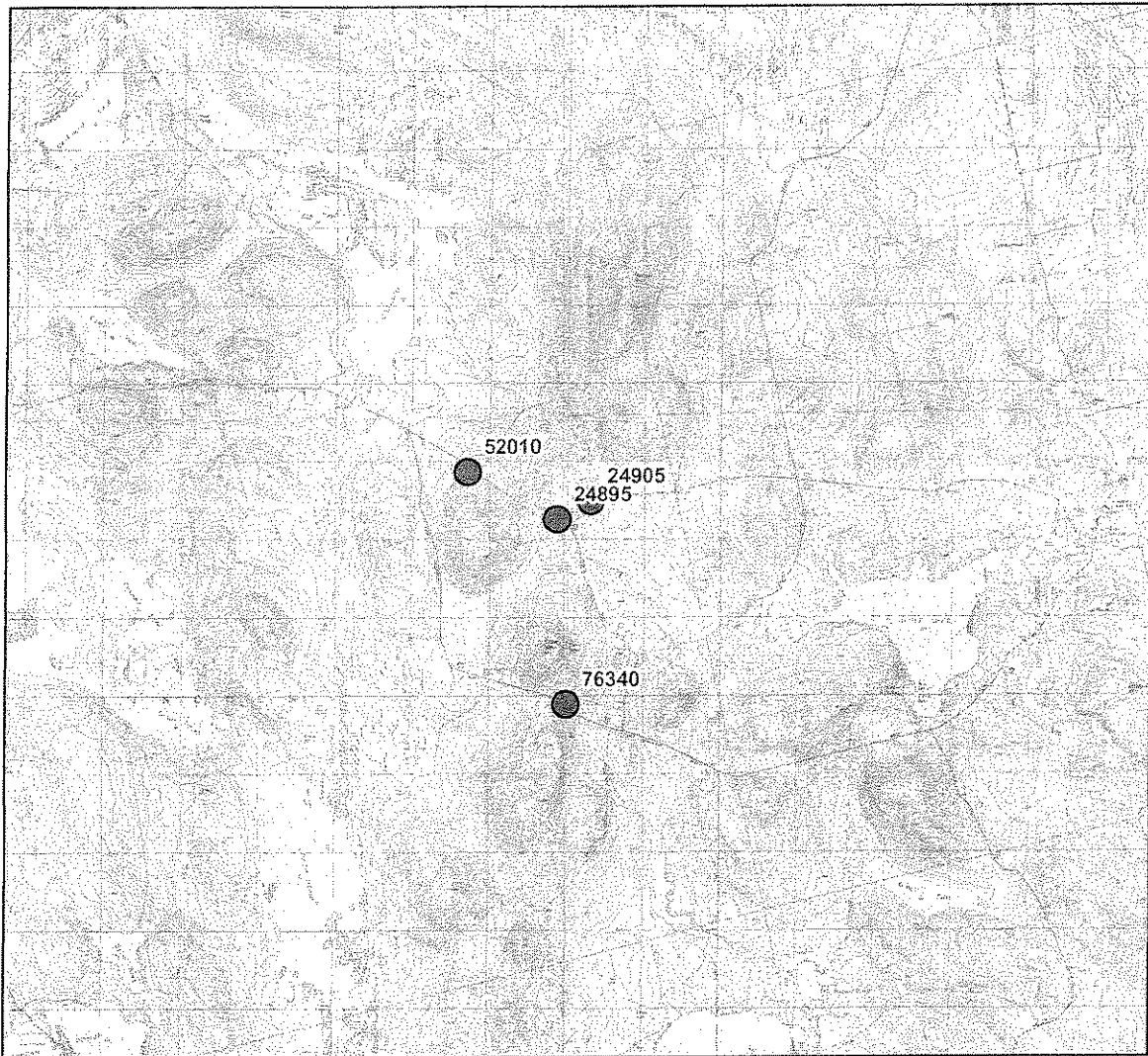
If you have any questions or require the data in GIS format, please feel free to contact me.

Sincerely,

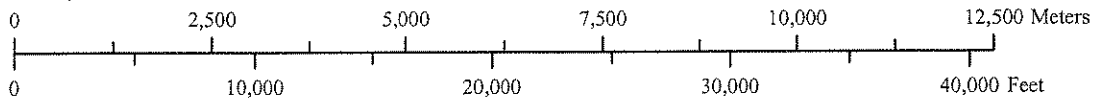
Bob J.

Robert Johnston
Senior Geologist

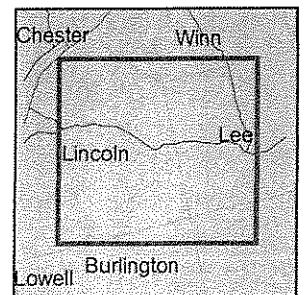
Well locations and ids - Lincoln / Lee and vicinity, Maine



1:96,000



Locus map



Maine Geological Survey - Water Well Information Database - Wednesday, August 27, 2008

Lastname	Location	Type	Drill date	Depth	Casing	Yield	Overburden	Map	Lot
76340 MILES	HALE TOWNSHIP ROAD	BD	6/10/1997	108	30	12	19	19	23-2
24905 GLIDDEN	ALPINE RD	BD	1/1/1964	115	28	4	-99	16	30
52010 PETERS, JR.	RT. 6, LEE RD.	BD	12/1/1994	320	40	4	11	16	11
24895 EDES	LEE RD	BD	1/1/1968	175	10	-99.99	-99	16	34

Values of -999, -99, or -99.99 indicate no information was provided by the driller

This listing is not comprehensive; there are certainly other wells in the area for which we have no information.