

OneBeacon Insurance Group, Ltd.  
Form 11-K  
June 24, 2016

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 11-K

FOR ANNUAL REPORTS OF EMPLOYEE STOCK PURCHASE, SAVINGS  
AND SIMILAR PLANS PURSUANT TO SECTION 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

(Mark One)

Annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934 for the fiscal year ended  
December 31, 2015

OR

Transition report pursuant to Section 15(d) of the Securities Exchange Act of 1934 for the transition period  
from        to

Commission file number 001-33128

A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

ONEBEACON 401(k) SAVINGS AND EMPLOYEE STOCK OWNERSHIP PLAN

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

ONEBEACON INSURANCE GROUP, LTD.

605 North Highway 169  
Plymouth, MN 55441  
(952) 852-2431

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REQUIRED INFORMATION

The following Financial Statements and Schedule for the Plan and Written Consent of Independent Registered Public Accounting Firm are filed with, and included in, this Report as Exhibits 23.1 and 99.(a) hereto, respectively, as detailed below:

23.1 Consent of Independent Registered Public Accounting Firm

99.(a) Financial Statements and Schedule for the Plan consisting of:

1. Report of Independent Registered Public Accounting Firm;
2. Statements of Net Assets Available for Benefits as of December 31, 2015 and 2014;
3. Statements of Changes in Net Assets Available for Benefits for the Years Ended December 31, 2015 and 2014;
4. Notes to Financial Statements; and
5. Schedule of Assets (Held at End of Year).

SIGNATURES

THE PLAN. Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized.

ONEBEACON  
401(k) SAVINGS AND  
EMPLOYEE STOCK  
OWNERSHIP PLAN (the  
“Plan”)

Date: June 24, 2016 By: /s/ Thomas N. Schmitt  
Thomas N. Schmitt  
Senior Vice President,  
Human Resources

EXHIBIT INDEX

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Exhibit Description

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