

SPIRE Corp  
Form SD  
June 02, 2014

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

FORM SD

SPECIALIZED DISCLOSURE REPORT

SPIRE CORPORATION  
(Exact Name of Registrant as Specified in Charter)

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| Massachusetts<br>(State or Other Jurisdiction of Incorporation) | 0-12742<br>(Commission<br>File Number) | 04-2457335<br>(IRS Employer<br>Identification No.) |
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|---|--------------------------|
| One Patriots Park, Bedford, Massachusetts<br>(Address of Principal Executive Offices) | 01730-2396<br>(Zip Code) |
|---|--------------------------|

Registrant's telephone number, including area code: (781) 275-6000

Jonathan O. Nilsen, Esq. - (781) 275-6000  
(Name and telephone number, including area code, of  
the person to contact in connection with this report)

Check the appropriate box to indicate the rule pursuant to which this form is being filed and provide the period to which the information in this form applies:

Rule 13p-1 under the Securities Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to December 31, 2013.

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Section 1 Conflict Minerals Disclosure

Item 1.01 Conflict Minerals Disclosure and Report

In accordance with Rule 13p-1 under the Securities Exchange Act of 1934, as amended, and the instructions to Form SD, and the Public Statement on the Effect of the Recent Court of Appeals Decision on the Conflict Minerals Rule issued by the Director of the Division of Corporation Finance of the Securities and Exchange Commission on April 29, 2014, Spire Corporation, (the "Company") is filing with the Form SD a Conflict Minerals Report, which is attached hereto as Exhibit 1.02 and incorporated herein by reference.

The Company's Form SD, including the Company's Conflict Minerals Report, are available on the Company's website at <http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=irol-irhome>. The content of our website as referred to in this Form SD is included for general information only and is not incorporated by reference into this Form SD.

Item 1.02 Exhibit

The Conflict Minerals Report for the calendar year ended December 31, 2013 is filed as Exhibit 1.02 hereto.

Section 2 Exhibits

Item 2.01 Exhibits

Exhibit 1.02 Conflict Minerals Report as required by Items 1.01 and 1.02 of Form SD.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SPIRE CORPORATION

Date: June 2, 2014

By: /s/ Robert S. Lieberman  
Robert S. Lieberman  
Chief Financial Officer and Treasurer