

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**Form S-3  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**U.S. Silica Holdings, Inc.**

(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction of  
incorporation or organization)

1446  
(Primary Standard Industrial  
Classification Code Number)

26-3718801  
(I.R.S. Employer  
Identification No.)

8490 Progress Drive, Suite 300  
Frederick, Maryland 21701  
(301) 682-0600

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Christine Marshall  
General Counsel and Corporate Secretary  
U.S. Silica Holdings, Inc.  
8490 Progress Drive, Suite 300  
Frederick, Maryland 21701  
(301) 682-0600

(Name, address, including zip code, and telephone number, including area code, of agent for service)

*Copies of all communications, including communications sent to agent for service, should be sent to:*

Robert M. Hayward, P.C.  
Kirkland & Ellis LLP  
300 North LaSalle  
Chicago, Illinois 60654  
(312) 862-2000

**Approximate date of commencement of proposed sale to the public:** From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer   
Non-accelerated filer  (Do not check if a smaller reporting company) Smaller reporting company

**CALCULATION OF REGISTRATION FEE**

Title of Each Class of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, \$0.01 par value per share	41,176,471(1)	\$19.58(2)	\$806,235,303(2)	\$109,971(2)

- We are registering 41,176,471 shares of our common stock that may be offered pursuant to this registration statement by the selling stockholder. In accordance with Rule 416 promulgated under the Securities Act of 1933, as amended, this registration statement shall be deemed to cover any additional securities to be offered or issued from stock splits, stock dividends or similar transactions with respect to the shares being registered.
- Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) under the Securities Act of 1933, as amended, based on the average of the high and low prices of the common stock on the New York Stock Exchange on January 30, 2013.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act, as amended, or until this registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

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**The information in this prospectus is not complete and may be changed. The selling stockholder may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.**

**PROSPECTUS**

Subject to completion, dated February 1, 2013

**41,176,471 Shares**



**U.S. Silica Holdings, Inc.**

**Common Stock**

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GGC USS Holdings, LLC (the “selling stockholder” or our “parent LLC”) may offer and sell shares of our common stock from time to time, in amounts, at prices and on terms that will be determined at the time of the offering and included in a prospectus supplement. We will not receive any proceeds from the sale of shares offered by the selling stockholder. Each time common stock is offered, the selling stockholder will describe the specific manner in which we will offer the common stock in a supplement to this prospectus. The prospectus supplement may also supplement, update or amend information contained in this prospectus.

You should read this prospectus and the applicable prospectus supplement, as well as the documents incorporated by reference herein or therein, carefully before you invest in our common stock.

Our common stock is traded on the New York Stock Exchange (“NYSE”) under the symbol “SLCA.”

**Investing in the common stock involves risks that are described in the “Risk Factors” section beginning on page 4 of this prospectus.**

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Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.

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The date of this prospectus is

, 2013.

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As permitted under the rules of the Securities and Exchange Commission, this prospectus incorporates important information about U.S. Silica Holdings, Inc. that is contained in documents that we file with the Securities and Exchange Commission but that are not included in or delivered with this prospectus. You may obtain copies of these documents, without charge, from the website maintained by the Securities and Exchange Commission at <http://www.sec.gov>, as well as other sources. See “Where You Can Find More Information.”

We and the selling stockholder have not authorized anyone to provide any information other than that contained or incorporated by reference in this prospectus or in any applicable prospectus supplement or in any free writing prospectus prepared by or on behalf of us or to which we have referred you. We and the selling stockholder take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. These securities are not being offered in any state where the offer is not permitted. You should not assume that the information contained or incorporated by reference in this prospectus, any applicable prospectus supplement or any free writing prospectus is accurate as of any date other than their respective dates.

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## ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission (the “Commission” or the “SEC”) using a “shelf” registration process. By using a shelf registration statement, the selling stockholder may, at any time and from time to time, in one or more offerings, sell the common stock described in this prospectus.

To understand the terms of our common stock, you should carefully read this prospectus and the applicable prospectus supplement. Together they give the specific terms of the common stock being offered. You should also read the documents we have referred you to under “Where You Can Find More Information” and “Incorporation by Reference of Certain Documents” below for information about us. The shelf registration statement, including the exhibits thereto, can be read at the SEC’s website or at the SEC’s Public Reference Room as described under “Where You Can Find More Information.” You should also carefully consider, among other things, the matters discussed in the section entitled “Risk Factors.”

The information contained in this prospectus, in any prospectus supplement or in any document incorporated by reference is accurate only as of its date, regardless of the time of delivery of this prospectus or any sale of common stock.

This prospectus includes or incorporates by reference our trademarks, service marks and trade names such as “U.S. Silica,” which are protected under applicable intellectual property laws and are the property of U.S. Silica Holdings, Inc. or its subsidiaries. Solely for convenience, trademarks, service marks and trade names referred to or incorporated by reference in this prospectus may not appear with the ® or ™ symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights to our trademarks, service marks and trade names. In addition, this prospectus contains or incorporates by reference trademarks, service marks, and trade names of other companies, which are the property of their respective owners.

This prospectus is not an offer to sell or solicitation of an offer to buy these shares of common stock in any circumstances under which or jurisdiction in which the offer or solicitation is unlawful.

Unless the context otherwise indicates, the terms “U.S. Silica,” “Company,” “we,” “us,” and “our” as used in this prospectus refer to U.S. Silica Holdings, Inc. and its subsidiaries. Unless the context otherwise indicates, the phrase “this prospectus” refers to this prospectus and any applicable prospectus supplement(s).

## WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act of 1933, as amended (the “Securities Act”), with respect to the common stock offered by this prospectus. This prospectus, which is a part of the registration statement, does not contain all of the information set forth in the registration statement or the exhibits and schedules filed therewith. For further information with respect to us and the common stock offered by this prospectus, please see the registration statement and the exhibits filed with the registration statement. Statements contained in this prospectus regarding the contents of any contract or any other document that is filed as an exhibit to the registration statement are not necessarily complete, and each such statement is qualified in all respects by reference to the full text of such contract or other document filed as an exhibit to the registration statement. A copy of the registration statement and the exhibits filed with the registration statement may be inspected without charge at the Public Reference Room maintained by the SEC, located at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for more information about the operation of the Public Reference Room. The SEC also maintains an Internet website that contains reports, proxy and information statements and other information regarding registrants that file electronically with the SEC. The address of the website is <http://www.sec.gov>.

We are subject to the information and periodic reporting requirements of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and, in accordance therewith, we file periodic reports, proxy statements and other information with the SEC. Such periodic reports, proxy statements and other information are available for inspection and copying at the Public Reference Room and website of the SEC referred to above. We maintain a website at <http://www.ussilica.com>. You may access our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports filed pursuant to Sections 13(a) or 15(d) of the Exchange Act with the SEC free of charge at our website as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. Our website and the information contained on that site, or connected to that site, are not incorporated into and are not a part of this prospectus, and you should not consider the contents of our website in making an investment decision with respect to our common stock.

## INCORPORATION BY REFERENCE OF CERTAIN DOCUMENTS

We are “incorporating by reference” specified documents that we file with the SEC, which means that we can disclose important information to you by referring you to those documents that are considered part of this prospectus. Later information that we file with the SEC will automatically update and supersede this information. We incorporate by reference into this prospectus the documents listed below and any future filings (other than pursuant to Items 2.02 and 7.01 of Form 8-K) made with the SEC (other than any portion of such filings that are furnished under applicable SEC rules rather than filed) under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act, including filings made on or after the date hereof:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2011;
- our Quarterly Reports on Form 10-Q for the fiscal quarters ended March 31, June 30 and September 30, 2012;
- our Current Reports on Form 8-K filed on February 6, 2012; March 6, 2012; March 22, 2012; April 6, 2012 (as amended on April 20, 2012); May 1, 2012; June 13, 2012; October 1, 2012; November 7, 2012 (only with respect to Item 5.02); and January 4, 2013; and
- our Registration Statement on Form 8-A filed on January 31, 2012.

Any statement contained in a document incorporated or deemed to be incorporated by reference into this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus or any other subsequently filed document that is deemed to be incorporated by reference into this prospectus modifies or supersedes the statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus. Our Commission File Number is 001-35416.

Our filings with the SEC, including our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and amendments to those reports, are available free of charge on our website at <http://www.ussilica.com> as soon as reasonably practicable after they are filed with, or furnished to, the SEC. Our website and the information contained on that site, or connected to that site, are not incorporated into and are not a part of this prospectus. You may also obtain a copy of these filings at no cost by writing or telephoning us at the office of our Corporate Secretary, U.S. Silica Holdings, Inc., (301) 682-0600.

## RISK FACTORS

You should consider carefully all of the information set forth in this prospectus and the documents incorporated by reference herein, unless expressly provided otherwise, and, in particular, the risk factors described in our most recent Annual Report on Form 10-K, as updated by our quarterly reports on Form 10-Q, current reports on Form 8-K and other filings we make with the SEC. The risks described in any document incorporated by reference herein are not the only ones we face, but are considered to be the most material. There may be other unknown or unpredictable economic, business, competitive, regulatory or other factors that could have material adverse effects on our future results. Past financial performance may not be a reliable indicator of future performance and historical trends should not be used to anticipate results or trends in future periods.

## FORWARD-LOOKING STATEMENTS

This prospectus, any applicable prospectus supplement and the documents incorporated by reference herein contain forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), that are based on current expectations, estimates, forecasts and projections about us, our future performance, our liquidity, the commercial silica industry, our beliefs and management’s assumptions. Words such as “anticipate,” “assume,” “believe,” “estimate,” “expect,” “intend,” “plan,” “seek,” “project,” “target,” “goal” and variations of such words and similar expressions are intended to identify such forward-looking statements. All statements in this prospectus, any applicable prospectus supplement and the documents incorporated by reference herein regarding our business strategy, future operations, financial position, cost savings, prospects, plans and objectives, as well as information concerning industry trends and expected actions of third parties, are forward-looking statements. All forward-looking statements speak only as of the date on which they are made. These statements are not guarantees of future performance and involve certain risks, uncertainties and assumptions concerning future events that are difficult to predict. Therefore, actual future events or results may differ materially from these statements. We believe that the factors that could cause our actual results to differ materially include the factors that we describe under the caption “Risk Factors” in our most recent Annual Report on Form 10-K, which is incorporated by reference. These factors, risks and uncertainties include, but are not limited to, the following:

- fluctuations in demand for commercial silica;
- the cyclical nature of our customers’ businesses;
- operating risks that are beyond our control, such as changes in the price and availability of transportation, natural gas or electricity; unusual or unexpected geological formations or pressures; cave-ins, pit wall failures or rock falls; or unanticipated ground, grade or water conditions;
- our dependence on two of our plants for a significant portion of our sales;
- the level of activity in the natural gas and oil industries;
- decreased demand for frac sand or the development of either effective alternative proppants or new processes to replace hydraulic fracturing;
- federal, state and local legislative and regulatory initiatives relating to hydraulic fracturing and the potential for related regulatory action or litigation affecting our customers’ operations;
- our rights and ability to mine our properties and our renewal or receipt of the required permits and approvals from governmental authorities and other third parties;
- our ability to implement our capacity expansion plans within our current timetable and budget and our ability to secure off-take agreements for our increased production capacity, and the actual operating costs once we have completed the capacity expansion;
- our ability to succeed in competitive markets;



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- loss of, or reduction in, business from our largest customers;
- increasing costs or a lack of dependability or availability of transportation services or infrastructure;
- increases in the prices of, or interruptions in the supply of, natural gas and electricity, or any other energy sources;
- increases in the price of diesel fuel;
- diminished access to water;
- our ability to effectively integrate the manufacture of resin-coated sand with our existing processes;
- our ability to successfully complete acquisitions or integrate acquired businesses;
- our ability to make capital expenditures to maintain, develop and increase our asset base and our ability to obtain needed capital or financing on satisfactory terms;
- our ability to repurchase some or all of our shares we anticipate purchasing pursuant to our repurchase program;
- substantial indebtedness and pension obligations;
- restrictions imposed by our indebtedness on our current and future operations;
- the accuracy of our estimates of mineral reserves and resource deposits;
- substantial costs of mine closures;
- a shortage of skilled labor and rising costs in the mining industry;
- our ability to attract and retain key personnel;
- our ability to maintain satisfactory labor relations;
- our reliance on trade secrets and contractual restrictions, rather than patents, to cover our proprietary rights;
- silica-related health issues and corresponding litigation;
- our significant unfunded pension obligations and post-retirement health care liabilities;
- our ability to maintain effective quality control systems at our mining, processing and production facilities;
- seasonal and severe weather conditions;
- fluctuations in our sales and results of operations due to seasonality and other factors;
- interruptions or failures in our information technology systems;
- the impact of a terrorist attack or armed conflict;
- our failure to maintain adequate internal controls;
- extensive and evolving environmental, mining, health and safety, licensing, reclamation and other regulation (and changes in their enforcement or interpretation);
- our ability to acquire, maintain or renew financial assurances related to the reclamation and restoration of mining property; and
- other risk factors included and disclosed in Part I, Item 1A, “Risk Factors” of our most recent Annual Report on Form 10-K.

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These factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements included in this prospectus, any applicable prospectus supplement and the documents incorporated by reference herein. These risks and uncertainties, as well as other risks of which we are not aware or which we currently do not believe to be material, may cause our actual future results to be materially different than those expressed in our forward-looking statements. We caution you not to place undue reliance on these forward-looking statements. We do not undertake any obligation to make any revisions to these forward-looking statements to reflect events or circumstances after the date made or to reflect the occurrence of unanticipated events, except as required by law, including the securities laws of the United States and rules and regulations of the SEC.

## OUR COMPANY

We are the second largest domestic producer of commercial silica, a specialized mineral that is a critical input into a variety of attractive end markets. During our 112-year history, we have developed core competencies in mining, processing, logistics and materials science that enable us to produce and cost-effectively deliver products to customers across these markets. In our largest end market, Oil and Gas Proppants, our frac sand is used to stimulate and maintain the flow of hydrocarbons in oil and natural gas wells. This segment of our business has experienced rapid growth due to recent technological advances in the hydraulic fracturing process, which have made the extraction of large volumes of oil and natural gas from U.S. shale formations economically feasible. Our silica is also used as an economically irreplaceable raw material in a wide range of industrial applications, including glassmaking and chemical manufacturing. Additionally, in recent years a number of attractive new end markets have developed for our high-margin, performance silica products, including solar panels, specialty coatings, wind turbines, polymer additives and geothermal energy systems.

As of September 30, 2012, we operated 13 facilities across the United States and controlled 312 million tons of reserves. We own one of the largest frac sand processing plants in the United States and, as of September 30, 2012, controlled approximately 145 million tons of reserves that can be processed to meet American Petroleum Institute (API) frac sand size specifications. Our operations are organized into two segments based on end markets served: (1) Oil & Gas Proppants and (2) Industrial & Specialty Products. Our segments are complementary because our ability to sell to a wide range of customers across end markets allows us to maximize recovery rates in our mining operations, optimize our asset utilization and reduce the cyclicity of our earnings.

We were incorporated as a Delaware corporation in 2008 in connection with our acquisition by an affiliate of Golden Gate Private Equity, Inc. (“Golden Gate Capital”). We began operations 112 years ago in Ottawa, Illinois. Since that time, we have merged with and acquired many additional commercial silica mining and production facilities. Our corporate headquarters is located at 8490 Progress Drive, Suite 300, Frederick, Maryland 21701. Our telephone number is (301) 682-0600. Our website address is <http://www.ussilica.com>. The information on our website is not deemed to be part of this prospectus.

**USE OF PROCEEDS**

We will not receive any proceeds from the sale of shares of common stock offered by the selling stockholder.

## SELLING STOCKHOLDER

### Beneficial Ownership

The selling stockholder may sell a total of up to 41,176,471 shares of common stock under this prospectus. The tables below set forth information regarding the beneficial ownership of our common stock by the selling stockholder as of January 30, 2013. The information regarding the selling stockholder's beneficial ownership after the sales made pursuant to this prospectus assumes that all of the common stock subject to sale pursuant to this prospectus will have been sold. The common stock subject to sale by the selling stockholder pursuant to this prospectus may be offered from time to time, in whole or in part, by the selling stockholder.

Name	Shares Beneficially Owned Before Any Sale		Shares Subject to Sale Pursuant to this Prospectus	Shares Beneficially Owned After Sale of All Shares Subject to Sale Pursuant to this Prospectus	
	Number	Percent	Number	Number	Percent
GGC USS Holdings, LLC <sup>(1)</sup>	41,176,471	77.8%	41,176,471	—	— %

- (1) Interests in our parent LLC are held directly or indirectly by a private investor group, including funds managed by Golden Gate Capital; Charles Shaver, the chairman of our board of directors; and Bryan A. Shinn, our President and Chief Executive Officer. Although Messrs. Shaver and Shinn do not have voting or dispositive power over securities owned by our parent LLC, each owns interests of our parent LLC with varying rights to participate in distributions by our parent LLC. The following table sets forth information as of January 30, 2013 regarding the beneficial ownership of our common stock if our parent LLC were to distribute the common stock to its members. All of the amounts and percentages below are calculated using \$19.78 per share, the closing price of our common stock on January 30, 2013. If the offering price is higher or lower than \$19.78 per share, the amounts and percentages below could be higher or lower.

Name	Shares Beneficially Owned Before Any Sale		Shares Subject to Sale Pursuant to this Prospectus	Shares Beneficially Owned After Sale of All Shares Subject to Sale Pursuant to this Prospectus	
	Number	Percent	Number	Number	Percent
Funds managed by Golden Gate Capital	38,409,890	72.6%	38,409,890	—	— %
Charles Shaver	52,108	*	52,108	—	— %
Bryan A. Shinn <sup>(a)</sup>	485,709	*	485,709	—	— %
Other Investors	2,228,764	4.2%	2,228,764	—	— %

\* Represents beneficial ownership of less than one percent (1%) of our common stock.

(a) Does not include 19,000 shares of restricted stock that Mr. Shinn directly beneficially owns.

### Material Relationships

#### Advisory Agreement

On November 25, 2008, Golden Gate Capital acquired U.S. Silica Company from Harbinger Capital pursuant to an Acquisition Agreement, dated June 27, 2008 (the "Golden Gate Capital Acquisition"). In connection with the Golden Gate Capital Acquisition, we entered into an Advisory Agreement with Golden Gate Capital (the "Advisory Agreement") whereby Golden Gate Capital agreed to provide business and organizational strategy and financial and advisory services. Such services have included support and assistance to management with respect to negotiating and analyzing acquisitions and divestitures, negotiating and analyzing financing alternatives, preparing financial projections, monitoring compliance with financing agreements, marketing functions and searching for and hiring management personnel.

As compensation for these services, we agreed to pay Golden Gate Capital (1) an annual advisory fee in the aggregate amount equal to \$1.3 million, payable quarterly in arrears, and (2) a transaction fee of 1.25% of the

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aggregate value of each transaction resulting in a change in control of our parent LLC or its subsidiaries, along with each acquisition, divestiture, recapitalization and financing. In addition to the fees described above, we also reimbursed Golden Gate Capital for all out-of-pocket costs incurred by Golden Gate Capital in connection with its activities under the Advisory Agreement, and indemnified Golden Gate Capital from and against all losses, claims, damages and liabilities related to the performance of its duties under the Advisory Agreement.

Advisory fees paid to Golden Gate Capital under the Advisory Agreement in 2012, 2011 and 2010 were \$0, \$1.3 million and \$1.3 million, respectively. On February 6, 2012, we paid \$8.0 million to terminate the Advisory Agreement.

### ***Director Designation Agreement***

On January 31, 2012, we entered into a director designation agreement with our parent LLC that provides our parent LLC with the right to nominate designees to our board of directors. The director designation agreement provides that, for so long as our parent LLC has nomination rights under the agreement, we may not take any action, including making or recommending any amendment to our certificate of incorporation or bylaws, that (1) would decrease the size of our board of directors if such decrease would cause us to fail to satisfy the requirement under the NYSE corporate governance standards that a majority of our board of directors consist of independent directors without the resignation of a director nominated by our parent LLC or (2) otherwise could reasonably be expected to adversely affect our parent LLC's rights under the director designation agreement, in each case without the consent of our parent LLC.

Our parent LLC has the right to nominate individuals to our board of directors at each meeting of stockholders where directors are to be elected and, subject to limited exceptions, we will include in the slate of nominees recommended to our stockholders for election as directors the number of individuals designated by our parent LLC as follows:

- prior to the earlier of (1) one year after our parent LLC owns less than 50% of our outstanding common stock or (2) our parent LLC owns less than 35% of our outstanding common stock, such number of individuals as are designated by our parent LLC, so long as we are able to comply with the requirement under the NYSE corporate governance standards that a majority of our board of directors consist of independent directors at such time as our parent LLC owns less than 50% of our outstanding common stock; and
- during such time as our parent LLC no longer has the unfettered right to nominate individuals to our board of directors but while our parent LLC still owns at least 10% of our outstanding common stock, such number of individuals designated by our parent LLC in relative proportion to our parent LLC's then current ownership (rounded up), so long as we are able to comply with the requirement under the NYSE corporate governance standards that a majority of our board of directors consist of independent directors at such time as our parent LLC owns less than 50% of our outstanding common stock.

The director designation agreement also provides that, in the event of a vacancy on our board of directors arising through the death, resignation or removal of a director nominated by our parent LLC, such vacancy may be filled by our board of directors only with a director nominated by our parent LLC. Our second amended and restated certificate of incorporation provides that any director nominated by our parent LLC may, at its discretion, be removed at any time with or without cause.

### ***Registration Rights Agreement***

On January 31, 2012, our parent LLC entered into a registration rights agreement with us. Pursuant to the registration rights agreement, our parent LLC has the right to request a long-form registration on not more than four occasions and a short-form registration on an unlimited number of occasions. This registration statement is one of such registrations. In addition, our parent LLC has piggyback registration rights in connection with offerings initiated by us.

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The registration rights are subject to customary cutbacks and other limitations. We are able to postpone for a reasonable period of time, which may not exceed 120 days, the filing of a registration statement that Golden Gate Capital requests that we file pursuant to the registration rights agreement if our board of directors determines that the filing of the registration statement will have a material adverse effect on our plan to engage in certain business transactions.

We are required to pay all fees and expenses incurred in connection with the registrations, except that we are not required to pay for any underwriting discounts or commissions or transfer taxes relating to the transfer of securities by any persons other than us. We are also subject to customary cross-indemnification and contribution arrangements with respect to the registration of our common stock. Our parent LLC is required to comply with any lock-up restrictions that may be reasonably requested by the managing underwriters of an offering, regardless of whether its securities are included in a registration.

## PLAN OF DISTRIBUTION

We are registering 41,176,471 shares of our common stock for possible sale by the selling stockholder. Unless the context otherwise requires, as used in this prospectus, the “selling stockholder” includes donees, pledgees, transferees or other successors-in-interest selling shares received from the selling stockholder as a gift, pledge, partnership distribution or other transfer after the date of this prospectus.

The selling stockholder may offer and sell all or a portion of the shares covered by this prospectus from time to time, in one or more or any combination of the following transactions:

- on the NYSE, in the over-the-counter market or on any other national securities exchange on which our shares are listed or traded;
- in privately negotiated transactions;
- in underwritten transactions;
- in a block trade in which a broker-dealer will attempt to sell the offered shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- through purchases by a broker-dealer as principal and resale by the broker-dealer for its account pursuant to this prospectus;
- in ordinary brokerage transactions and transactions in which the broker solicits purchasers; and
- through the writing of options (including put or call options), whether the options are listed on an options exchange or otherwise.

The selling stockholder may sell the shares at prices then prevailing or related to the then current market price or at negotiated prices. The offering price of the shares from time to time will be determined by the selling stockholder and, at the time of the determination, may be higher or lower than the market price of our common stock on the NYSE or any other exchange or market.

The shares may be sold directly or through broker-dealers acting as principal or agent, or pursuant to a distribution by one or more underwriters on a firm commitment or best-efforts basis. The selling stockholder may also enter into hedging transactions with broker-dealers. In connection with such transactions, broker-dealers of other financial institutions may engage in short sales of our common stock in the course of hedging the positions they assume with the selling stockholder. The selling stockholder may also enter into options or other transactions with broker-dealers or other financial institutions which require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction). In connection with an underwritten offering, the underwriters or agents may receive compensation in the form of discounts, concessions or commissions from the selling stockholder or from purchasers of the offered shares for whom they may act as agents. In addition, underwriters may sell the shares to or through dealers, and those dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters or commissions from the purchasers for whom they may act as agents. Any underwriters, dealers or agents participating in a distribution of the shares may be deemed to be “underwriters” within the meaning of the Securities Act, and any profit on the sale of the shares and any commissions received by broker-dealers may be deemed to be underwriting commissions under the Securities Act.

The selling stockholder may agree to indemnify an underwriter, broker-dealer or agent against certain liabilities related to the selling of the common stock, including liabilities arising under the Securities Act.

We will bear a portion of the expenses of the offering of common stock, except that the selling stockholder will pay any applicable underwriting fees, discounts or commissions and certain transfer taxes with respect to their shares of common stock.



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The selling stockholder has advised us that they have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of shares. Upon notification by the selling stockholder that it has entered into any material agreement with an underwriter or broker-dealer for the sale of shares through a block trade, special offering, exchange distribution, secondary distribution or a purchase by an underwriter or broker-dealer, we will file a supplement to this prospectus, if required, pursuant to Rule 424(b) under the Securities Act, disclosing certain material information, including:

- the name of the applicable seller;
- the number of shares being offered;
- the terms of the offering;
- the names of the participating underwriters, broker-dealers or agents;
- any discounts, commissions or other compensation paid to underwriters or broker-dealers and any discounts, commissions or concessions allowed or reallocated or paid by any underwriters or dealers;
- the public offering price; and
- other material terms of the offering.

In addition, upon being notified by the selling stockholder that a donee, pledgee, transferee or other successor-in-interest intends to sell more than 500 shares, we will, to the extent required, promptly file a supplement to this prospectus to name specifically such person as a selling stockholder.

We and the selling stockholder are subject to the applicable provisions of the Exchange Act and the rules and regulations under the Exchange Act, including Regulation M. This regulation may limit the timing of purchases and sales of any of the shares of common stock offered in this prospectus by the selling stockholder and any other person. The anti-manipulation rules under the Exchange Act may apply to sales of shares in the market and to the activities of the selling stockholder and their affiliates.

To the extent required, this prospectus may be amended or supplemented from time to time to describe a specific plan of distribution. Instead of selling the shares of common stock under this prospectus, the selling stockholder may sell the shares of common stock in compliance with the provisions of Rule 144 under the Securities Act, if available, or pursuant to other available exemptions from the registration requirements of the Securities Act.

**LEGAL MATTERS**

The validity of the common stock offered hereby will be passed upon for us by Kirkland & Ellis LLP, Chicago, Illinois. Certain partners of Kirkland & Ellis LLP are members of a limited partnership that is an investor in one or more investment funds affiliated with Golden Gate Capital. Kirkland & Ellis LLP represents entities affiliated with Golden Gate Capital in connection with legal matters.

**EXPERTS**

The audited combined financial statements incorporated by reference in this prospectus and elsewhere in the registration statement have been so incorporated by reference in reliance upon the report of Grant Thornton LLP, independent registered public accounts, upon the authority of said firm as experts in giving said report.

**PART II**  
**INFORMATION NOT REQUIRED IN PROSPECTUS**

**Item 14. Other Expenses of Issuance and Distribution.**

The following is a statement of the estimated expenses, other than underwriting discounts and commissions, to be incurred by the Registrants in connection with a distribution of securities registered under this registration statement.

SEC registration fee	\$ 109,971
Printing expenses	*
Legal fees and expenses	*
Accounting fees and expenses	*
Miscellaneous expenses	*
Total expenses	*

\* These fees are calculated based upon the number of issuances in applicable offerings and amount of securities offered and, accordingly, cannot be estimated at this time.

**Item 15. Indemnification of Directors and Officers.**

Section 102(b)(7) of the General Corporation Law of the State of Delaware (the “DGCL”) allows a corporation to provide in its certificate of incorporation that a director of the corporation will not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except where the director breached the duty of loyalty, failed to act in good faith, engaged in intentional misconduct or knowingly violated a law, authorized the payment of a dividend or approved a stock repurchase in violation of Delaware corporate law or obtained an improper personal benefit. Our second amended and restated certificate of incorporation provides for this limitation of liability.

Section 145 of the DGCL (“Section 145”) provides that a Delaware corporation may indemnify any person who was, is or is threatened to be made, party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of such corporation), by reason of the fact that such person is or was an officer, director, employee or agent of such corporation or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys’ fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with such action, suit or proceeding, provided such person acted in good faith and in a manner he reasonably believed to be in or not opposed to the corporation’s best interests and, with respect to any criminal action or proceeding, had no reasonable cause to believe that his conduct was illegal. A Delaware corporation may indemnify any persons who are, were or are a party to any threatened, pending or completed action or suit by or in the right of the corporation by reason of the fact that such person is or was a director, officer, employee or agent of another corporation or enterprise. The indemnity may include expenses (including attorneys’ fees) actually and reasonably incurred by such person in connection with the defense or settlement of such action or suit, provided such person acted in good faith and in a manner he reasonably believed to be in or not opposed to the corporation’s best interests, provided that no indemnification is permitted without judicial approval if the officer, director, employee or agent is adjudged to be liable to the corporation. Where an officer or director is successful on the merits or otherwise in the defense of any action referred to above, the corporation must indemnify him against the expenses which such officer or director has actually and reasonably incurred.

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Section 145 further authorizes a corporation to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the corporation or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation or enterprise, against any liability asserted against him and incurred by him in any such capacity, or arising out of his status as such, whether or not the corporation would otherwise have the power to indemnify him under Section 145.

Our second amended and restated bylaws provide that we will indemnify our directors and officers to the fullest extent authorized by the DGCL and must also pay expenses incurred in defending any such proceeding in advance of its final disposition upon delivery of an undertaking, by or on behalf of an indemnified person, to repay all amounts so advanced if it should be determined ultimately that such person is not entitled to be indemnified under this section or otherwise.

We have entered into indemnification agreements with each of our executive officers and directors. The indemnification agreements provide the executive officers and directors with contractual rights to indemnification, expense advancement and reimbursement, to the fullest extent permitted under the DGCL. We have also entered into an indemnification priority agreement with Golden Gate Private Equity, Inc. to clarify the priority of advancement of expenses and indemnification obligations among us, our subsidiaries and any of our directors appointed by Golden Gate Private Equity, Inc. or its affiliates and other related matters.

The indemnification rights set forth above shall not be exclusive of any other right which an indemnified person may have or hereafter acquire under any statute, provision of our second amended and restated certificate of incorporation or second amended and restated bylaws, agreement, vote of stockholders or disinterested directors or otherwise.

We maintain standard policies of insurance that provide coverage (1) to our directors and officers against loss arising from claims made by reason of breach of duty or other wrongful act and (2) to us with respect to indemnification payments that we may make to such directors and officers. The proposed form of Underwriting Agreement to be filed as Exhibit 1.1 to this registration statement provides for indemnification of our directors and officers by the underwriters party thereto against certain liabilities.

### **Item 16. Exhibits.**

The exhibit index attached hereto is incorporated herein by reference.

### **Item 17. Undertakings.**

(a) The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
  - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act;
  - (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) under the Securities Act if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and
  - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

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*Provided, however,* that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) do not apply if the registration statement is on Form S-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Securities and Exchange Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act, that are incorporated by reference in the registration statement or contained in a form prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered that remain unsold at the termination of the offering.
- (4) That, for the purpose of determining liability under the Securities Act to any purchaser:
  - (A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
  - (B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which the prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.
- (5) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
  - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
  - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
  - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
  - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

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- (6) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be a part of this registration statement as of the time it was declared effective.
- (7) For the purposes of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference into the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the provisions set forth in response to Item 15, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question of whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, U.S. Silica Holdings, Inc., a Delaware corporation, certifies that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Frederick, State of Maryland, on February 1, 2013.

**U.S. SILICA HOLDINGS, INC.**

By: /s/ Bryan A. Shinn  
Bryan A. Shinn, President and Chief Executive Officer

\* \* \*

KNOW ALL MEN BY THESE PRESENTS, that each officer and director of U.S. Silica Holdings, Inc. whose signature appears below constitutes and appoints Bryan A. Shinn, Donald A. Merrill and Christine Marshall, and each of them, his or her true and lawful attorney-in-fact and agent, with full power of substitution and revocation, for him or her and in his or her name, place and stead, in any and all capacities, to execute any or all amendments including any post-effective amendments and supplements to this registration statement, and any additional registration statement filed pursuant to Rule 462(b), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

\* \* \*

Pursuant to the requirements of the Securities Act of 1933, this registration statement and power of attorney have been signed by the following persons in the capacities indicated on February 1, 2013.

<u>Signature</u>	<u>Title</u>
<u>/s/ Bryan A. Shinn</u> Bryan A. Shinn	President and Chief Executive Officer (Principal Executive Officer)
<u>/s/ Donald A. Merrill</u> Donald A. Merrill	Vice President and Chief Financial Officer (Principal Financial and Accounting Officer)
<u>/s/ Charles Shaver</u> Charles Shaver	Chairman of the Board
<u>/s/ Rajeev Amara</u> Rajeev Amara	Director
<u>/s/ Prescott A. Ashe</u> Prescott A. Ashe	Director
<u>/s/ Peter Bernard</u> Peter Bernard	Director
<u>/s/ William J. Kacal</u> William J. Kacal	Director
<u>/s/ Brian Slobodow</u> Brian Slobodow	Director

**EXHIBIT INDEX**

<u>Exhibit Number</u>	<u>Description</u>
1.1*	Form of Underwriting Agreement.
4.1	Specimen Common Stock Certificate (incorporated by reference to Exhibit 4.1 to Amendment No. 4 to U.S. Silica Holdings, Inc.'s Registration Statement on Form S-8 (File No. 333-175636) filed with the SEC on December 7, 2011).
4.2	Registration Rights Agreement, dated January 31, 2012, by and among GGC USS Holdings, LLC and the members listed on the schedules thereto (incorporated by reference to Exhibit 4.2 to U.S. Silica Holdings, Inc.'s Current Report on Form 8-K, filed with the SEC on February 6, 2012).
5.1	Opinion of Kirkland & Ellis LLP.
23.1	Consent of Grant Thornton LLP, independent registered public accounting firm.
23.2	Consent of Kirkland & Ellis LLP (included in Exhibit 5.1).
24.1	Powers of Attorney (included on signature page).

\* To be filed by amendment or as an exhibit to a document to be incorporated by reference herein if the common stock is sold through one or more underwriters.



**KIRKLAND & ELLIS LLP**  
AND AFFILIATED PARTNERSHIPS300 North LaSalle  
Chicago, Illinois 60654

(312) 862-2000

www.kirkland.com

February 1, 2013

Facsimile:  
(312) 862-2200U.S. Silica Holdings, Inc.  
8490 Progress Drive, Suite 300  
Frederick, Maryland 21701

Ladies and Gentlemen:

We are acting as special counsel to U.S. Silica Holdings, Inc., a Delaware corporation (the "Company"), in connection with the registration by the Company of up to 41,176,471 shares of its Common Stock, par value \$0.01 per share (the "Common Stock"), currently held by GGC USS Holdings, LLC (the "Selling Stockholder") pursuant to a Registration Statement on Form S-3, originally filed with the Securities and Exchange Commission (the "Commission") on February 1, 2013 under the Securities Act of 1933, as amended (the "Act") (such Registration Statement, as amended or supplemented, is hereinafter referred to as the "Registration Statement"). All of the shares of Common Stock to be registered pursuant to the Registration Statement are being offered by the Selling Stockholder (referred to herein as "Secondary Shares").

In that connection, we have examined originals, or copies certified or otherwise identified to our satisfaction, of such documents, corporate records and other instruments as we have deemed necessary for the purposes of this opinion, including (i) the Certificate of Incorporation of the Company; (ii) the Bylaws of the Company; (iii) the resolutions of the Board of Directors of the Company; and (iv) the Registration Statement.

For purposes of this opinion, we have assumed the authenticity of all documents submitted to us as originals, the conformity to the originals of all documents submitted to us as copies and the authenticity of the originals of all documents submitted to us as copies. We have also assumed the legal capacity of all natural persons, the genuineness of the signatures of persons signing all documents in connection with which this opinion is rendered, the authority of such persons signing on behalf of the parties thereto other than the Company and the due authorization, execution and delivery of all documents by the parties thereto other than the Company. We relied upon statements and representations of officers and other representatives of the Company and others as to factual matters.

Based upon and subject to the foregoing qualifications, assumptions and limitations and the further limitations set forth below, we are of the opinion that the Secondary Shares have been validly issued, fully paid and non-assessable.

Hong Kong      London      Los Angeles      Munich      New York      Palo Alto      San Francisco      Shanghai      Washington, D.C.

**KIRKLAND & ELLIS LLP**

U.S. Silica Holdings, Inc.  
February 1, 2013  
Page 2

Our opinion expressed above is subject to the qualifications that we express no opinion as to the applicability of, compliance with, or effect of any laws except the General Corporation Law of the State of Delaware (including the statutory provisions, all applicable provisions of the Delaware constitution and reported judicial decisions interpreting the foregoing).

We hereby consent to the filing of this opinion with the Commission as Exhibit 5.1 to the Registration Statement. We also consent to the reference to our firm under the heading "Legal Matters" in the Registration Statement. In giving this consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission.

This opinion is limited to the specific issues addressed herein, and no opinion may be inferred or implied beyond that expressly stated herein.

This opinion is furnished to you in connection with the filing of the Registration Statement.

Very truly yours,

/s/ KIRKLAND & ELLIS LLP

KIRKLAND & ELLIS LLP

**Consent of Independent Registered Public Accounting Firm**

We have issued our report dated March 20, 2012 with respect to the combined financial statements included in the Annual Report on Form 10-K for the year ended December 31, 2011 of U.S. Silica Holdings, Inc. and Subsidiaries and GGC RCS Holdings, Inc., which are incorporated by reference in this Registration Statement. We consent to the incorporation by reference in the Registration Statement of the aforementioned report, and to the use of our name as it appears under the caption "Experts."

/s/ Grant Thornton LLP

Baltimore, Maryland  
February 1, 2013