## SGL CARBON AKTIENGESELLSCHAFT Form 6-K/A September 30, 2005

Form 6-K/A

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Report of Foreign Issuer
Pursuant to Rule 13a-16 or 15d-16 of
the Securities Exchange Act of 1934

For the month of: September 2005

SGL CARBON Aktiengesellschaft

(Name of registrant)

Rheingaustrasse 182 65203 Wiesbaden Germany

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F  $\,$  X  $\,$  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the SEC pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934:

Yes No X

If "Yes" is marked, indicate the file number assigned to the registrant in connection with Rule 12g3-2 (b): N/A

THIS 6-K/A REPLACES THE 6-K FILED ON SEPTEMBER 29, 2005 TO CORRECT THE SIGNATORIES TO THE 6K.

Exhibit Index

- 1. German press release dated August 12, 2005 on SGL Carbon's Credit Ratings
- 2. German press release dated August 22, 2005 on SGL Carbon Chosen as a

Strategic Graphite Supplier

3. German press release dated September 29, 2005 on SGL Carbon Redeems Convertible Bond and Reduces US\$ Credit

EXHIBIT

EXHIBIT 1

SGL Carbon's Ratings Upgraded by Standard & Poor's

Wiesbaden, August 12, 2005. The corporate, credit, and bond ratings for SGL Carbon were upgraded by the rating agency Standard & Poor's yesterday. The credit rating for SGL Carbon AG was raised from "B" to "B+" with the outlook "stable". S&P simultaneously increased the rating of the bond that was issued by SGL Carbon Luxembourg S.A. from "CCC+" to "B-". The credit rating for SGL Carbon LLC (USA) was furthermore raised from "B" to "B+". These upgrades will have a favorable impact on potential future financial arrangements undertaken by SGL Carbon.

Standard & Poor's had placed SGL Carbon on its watch list for a possible upgrade following the announcement of the cooperation agreement with Audi on June 7, 2005. The upgrade then followed the analysis of the half-year interim report, which was disclosed on August 9. Standard & Poor's bases its higher ratings in particular on the substantial increase in profit from operations and the improvements in the financial figures over the past six months, as well as the Company's healthy business outlook and the high level of capacity utilization of the core business with graphite electrodes, the sale of the loss-generating Surface Protection operations, and the recent reduction in the second EU fine.

#### Important Notice:

This document contains statements on future developments that are based on currently available information and that involve risks and uncertainties that could lead to actual results deviating from these forward-looking statements. These risks and uncertainties include, for example, unforeseeable changes in political, economic and business conditions, particularly in the area of electrosteel production, the competitive situation, interest rate and currency developments, technological developments and other risks and unanticipated circumstances. We see other risks in price developments, unexpected developments relating to acquired and consolidated companies, ongoing restructuring measures and unforeseeable occurrences in conjunction with the reviews to be performed by the European antitrust authorities. SGL Carbon does not intend to update these forward-looking statements.

### Your contact:

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SGL CARBON AG

Corporate Communications, Media Relations Rheingaustrasse 182, D-65203 Wiesbaden Phone: +49 (611) 6029-100, Fax: +49 (611) 6029-101 E-mail: cpc@sqlcarbon.de, Internet: www.sqlcarbon.de

EXHIBIT 2

SGL Carbon Chosen as a Strategic Graphite Supplier

o Cooperation with South African Nuclear Energy Technology Company

WIESBADEN, August 22, 2005. The South African nuclear energy technology company "Pebble Bed Modular Reactor" PBMR (Pty) Ltd. announced today its cooperation with SGL Carbon as a supplier of graphite. A conference will be held this week in Pretoria with focus on the current status of the development of the pebble bed modular reactor technology. PBMR is owned by a consortium comprising the largest South African energy supplier, Eskom, as well as the state-owned development finance institution Industrial Development Corporation of South Africa (IDC), and British Nuclear Fuels (BNFL). PBMR has the ambition to construct commercially operating pebble bed modular reactors for electric power generation in South Africa beginning in 2013.

As an alternative to non-renewable fossil fuel resources, PBMR technology is to be utilized in the near future as a low-cost, CO2-free form of energy production. PBMR selected SGL Carbon as a strategic supplier because of the latter's expertise in the production and development of graphite in the highest quality. The two companies have been working together for a number of years on the development of materials for use in PBMR technology. The planned construction of a demonstration reactor in South Africa beginning in 2007 could translate into sales of (euro) 35 to (euro) 40 million during the period 2006 to 2008 for the Specialties Business Unit of SGL Carbon. Additional information about PBMR is available at www.pbmr.co.za

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EXHIBIT 3

SGL Carbon Redeems Convertible Bond and Reduces US\$ Credit

WIESBADEN, September 19, 2005. SGL Carbon repaid to investors the outstanding 37 percent of the convertible bond that matured today. The bond had originally been issued in September 2000. Between the end of February and early April 2004, SGL Carbon redeemed 63 percent of the convertible bond on the basis of a voluntary redemption offer. Within the framework of the refinancing measures at the beginning of 2004, the Company had deposited the funds required to redeem the convertible bond in a cash escrow account.

SGL Carbon was additionally able to reduce its US credit facility from US\$ 112 million to US\$ 80 million in early September. The Company's main banks acquired this credit from the over 70 U.S. financial investors with whom it had previously been placed. This step further underscores the progress the Company has been making in the reduction of its debt.

Both measures serve to strengthen the equity ratio of SGL Carbon in the third quarter (assuming unchanged exchange rates from the date for the first half-year's financial figures - June 30, 2005).

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#### 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, thereunto duly authorized.

SGL CARBON Aktiengesellschaft

Date: September 29, 2005 By: /s/ Robert J. Kohler

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Name: Robert J. Koehler

Title: Chairman of the Board of Management

By: /s/ Sten Daugaard

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Name: Mr. Sten Daugaard

Title: Member of the Board of Management