Sherrick Bruce J Form 4 April 02, 2019

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations may continue.

See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

(Last)

(City)

Class C Non-Voting

Common Stock

1. Name and Address of Reporting Person *

Sherrick Bruce J

(First) (Middle)

C/O FARMER MAC. 1999 K STREET NW, 4TH FLOOR

(Street)

03/31/2019

(State)

WASHINGTON, DC 20006

2. Issuer Name and Ticker or Trading

Symbol

FEDERAL AGRICULTURAL MORTGAGE CORP [AGM]

(Month/Day/Year) 03/31/2019

4. If Amendment, Date Original

3. Date of Earliest Transaction

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date 2A. Deemed 7. Nature of 1. Title of 3. 4. Securities Acquired 5. Amount of 6. Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) Owned Direct (D) (Instr. 8) Ownership or Indirect Following (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4)

Price Code V Amount (D)

11,479 (2)

D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title o	of 2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivativ	ve Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate Amou		ınt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Instr. 8) Derivative Securities			Secur	rities	(Instr. 5)	Bene
	Derivative							(Instr. 3 ar	:. 3 and 4)	d 4)	Owne
	Security				Acquired	uired					Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date Expiration Exercisable Date	Expiration	T:41-	or True N. 1		
							-	Title	Number		
				C-1- V	(A) (D)				of Shares		
				Code V	(A) (I))				Snares		

Reporting Owners

Relationships Reporting Owner Name / Address Director 10% Owner Officer Other Sherrick Bruce J C/O FARMER MAC X 1999 K STREET NW, 4TH FLOOR

Signatures

WASHINGTON, DC 20006

Anjali Desai, as attorney-in-fact for Bruce J. 04/02/2019 Sherrick

> **Signature of Reporting Person Date

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Shares were issued pursuant to the director's existing election to purchase, at market value, newly issued shares of the Federal Agricultural Mortgage Corporation's ("Farmer Mac") Class C Non-Voting Common Stock in lieu of receiving some or all of the director's quarterly retainer in cash. The market value is the closing price of the stock on March 29, 2019, the last business day of the quarter, as reported by the New York Stock Exchange.
- Includes 702 restricted shares of Farmer Mac's Class C Non-Voting Common Stock that will vest on March 31, 2020 if the Reporting Person remains a director of Farmer Mac on that date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number. from government sources and third parties would require us to reduce the scope of our research and development efforts in immunotherapeutics, narrowing the number of programs to those we could support through internal resources.

If our competitors develop and market products that are more effective than our product candidates, our commercial opportunity will be reduced or eliminated. Conversely, if competitors encounter difficulties or failures in human clinical trials, we may face additional clinical and regulatory challenges.

Reporting Owners 2

We expect our products to encounter significant competition. The INTERCEPT Blood System products may compete with other approaches to blood safety currently in use, as well as with future products that may be developed by others. Our success will depend in part on our ability to respond quickly to medical and technological changes brought about by the development and introduction of new products. Product development is risky and uncertain, and we cannot assure you that we will develop our products successfully. Competitors products or technologies may make our products obsolete or non-competitive before we are able to generate any significant revenue. In addition, competitors or potential competitors may have substantially greater financial and other resources than we have. They may also have greater experience in preclinical testing, human clinical trials and other regulatory approval procedures.

Several companies are developing technologies that are, or in the future may be, the basis for products that will directly compete with or reduce the market for our pathogen inactivation systems. A number of companies are specifically focusing on alternative strategies for pathogen inactivation in platelets and plasma. In Europe, several companies, including Grifols S.A., Octapharma AG and MacoPharma International GmbH, are developing or selling commercial pathogen inactivation systems to treat fresh frozen plasma. Navigant Biotechnologies, a wholly owned subsidiary of Gambro Group, is developing a pathogen inactivation system for blood products.

New methods of testing whole blood for specific pathogens have been approved by the FDA and in Europe, as have tests for bacteria in platelets. Continued delays in commercialization of the platelet system in France and Germany may impact our ability to compete with bacterial testing for platelets. Tests have recently been approved to detect West Nile Virus in blood products. Other groups are developing rapid, point-of-care bacterial tests, synthetic blood product substitutes and products to stimulate the growth of platelets. Development and commercialization of any of these or other related technologies could impair the potential market for our products.

There are many companies pursuing programs for the treatment of cancer and treatment and prevention of infectious disease. Some are large pharmaceutical companies, such as Pfizer Inc., GlaxoSmithKline Inc., Sanofi-Aventis, Bristol-Myers Squibb Company, Genentech, Inc. and Gilead Sciences, Inc., which have greater experience and resources in product development, preclinical testing, human clinical trials, obtaining FDA and other regulatory approvals and in manufacturing and marketing new therapies. We are also competing with other biotechnology companies, such as Cell Genesys, Inc., Coley Pharmaceutical Group, and Dendreon Corporation that have cancer vaccine programs that are in more advanced stages of development than ours. In addition, other companies are pursuing early-stage research and development of *Listeria*-based immunotherapies. If any of these companies products are shown to be more efficacious than ours, our *Listeria*-based products may fail to gain regulatory approval or commercial acceptance. If these companies products fail in human clinical

trials, we may be required to overcome more significant regulatory barriers prior to gaining approval, face more challenging impediments to market acceptance and may be unable to raise capital to fund development of our *Listeria* or KBMA programs.

We may be liable and we may need to withdraw our products from the market if our products harm people. We may be liable if an accident occurs in our controlled use of hazardous materials.

We are exposed to potential liability risks inherent in the testing and marketing of medical devices and pharmaceutical products. We may be liable if any of our products cause injury, illness or death. Although we will have completed rigorous preclinical and clinical safety testing prior to marketing our products, there may be harmful effects caused by our products that we are unable to identify in preclinical or clinical testing. In particular, unforeseen, rare reactions or adverse side effects related to long-term use of our products may not be observed until the products are in widespread commercial use. Because of the limited duration and number of patients receiving blood components treated with the INTERCEPT Blood System products in clinical trials, it is possible that harmful effects of our products not observed in clinical and preclinical testing could be discovered after a marketing approval has been received. Later discovery of problems with a product, manufacturer or facility may result in additional restrictions on the product or manufacturer, including withdrawal of the product from the market. We are subject to risks and costs of product recall, which include not only potential out-of-pocket costs, but also potential interruption to our supply chain. In such an event, our customer relations would be harmed and we would incur unforeseen losses. We maintain product liability insurance, but do not know whether the insurance will provide adequate coverage against potential liabilities. If we cannot successfully defend ourselves against product liability claims, we may incur substantial liabilities or be required to limit commercialization of our products.

Our research and development activities involve the controlled use of hazardous materials, including certain hazardous chemicals, radioactive materials and infectious pathogens, such as HIV and hepatitis viruses. Although we believe that our safety procedures for handling and disposing of hazardous materials are adequate and comply with regulatory requirements, we cannot eliminate the risk of accidental contamination or injury. If an accident occurs, we could be held liable for any damages that result.

Virtually all of our research and development activities and the significant majority of our general and administrative activities are performed in or managed from a single site that may be subject to lengthy business interruption in the event of a severe earthquake. We also may suffer loss of computerized information and may be unable to make timely filings with regulatory agencies in the event of catastrophic failure of our data storage and backup systems.

Virtually all of our research and development activities and the significant majority of our general and administrative activities are performed in or managed from our facilities in Concord, California, which are within an active earthquake fault zone. Should a severe earthquake occur, we might be unable to occupy our facilities or conduct research and development and general and administrative activities in support of our business and products until such time as our facilities could be repaired and made operational. Our property and casualty and business interruption insurance in general does not cover losses caused by earthquakes. While we have taken certain measures to protect our scientific, technological and commercial assets, a lengthy or costly disruption due to an earthquake would have a material adverse effect on us. We have also taken measures to limit damage that may occur from the loss of computerized data due to power outage, system or component failure, or corruption of data files. However, we may lose critical computerized data, which may be difficult or impossible to recreate, which may harm our business. We may be unable to make timely filings with regulatory agencies in the event of catastrophic failure of our data storage and backup systems, which may subject us to fines or adverse consequences, up to and including loss of our abilities to conduct business.

We have only a limited operating history, and we expect to continue to generate losses.

We may never achieve a profitable level of operations. To date, we have engaged primarily in research and development. Our development and selling, general, and administrative expenses have resulted in substantial losses each year since our inception with the exception of the year ended December 31, 2005. In 2005, we realized a \$22.1 million nonrecurring gain associated with the restructuring of a loan payable in 2005 and, as a result of this gain, we recorded net income of \$13.1 million in 2005. At June 30, 2007, we had an accumulated deficit of approximately \$336.1 million. Except for the platelet and plasma systems, which have received European Union CE mark approval, all of our products are in the research and development stage, and we have not received significant revenue from product revenue. We may be required to reduce the sales price for our products in order to make them economically attractive to our customers and to governmental and private payors, which would reduce and may eliminate our gross profit on sales. Pricing levels may differ widely from country to country, depending on economic, social and industry practices specific to each country. At our present low unit sales levels of the platelet and plasma systems, our costs to manufacture, distribute, market, sell, support and administer the systems are in excess of revenue. We may be unable to increase sales to a level sufficient to generate profit contribution.

Because the contracts with large, public-sector customers, such as the EFS, for the INTERCEPT Blood System may not be confidential due to the public tender process, their terms may set contractual precedents that would not be acceptable to us if applied to contracts with our other customers. We have received substantially all of our revenue from our agreements with our development partners and from federal research grants and cooperative agreements. We will be required to conduct significant research, development, clinical testing and regulatory compliance activities for each of these products. We expect our losses to continue at least until more of our product candidates are commercialized and achieve significant market acceptance.

If we fail to obtain the capital necessary to fund our future operations, we will not be able to develop product candidates in our pipeline.

Our product development programs and product commercialization efforts are capital-intensive. We may need to reduce or stop further investment in specific research and development or sales and marketing activities if we are unable to obtain additional capital or if any of our development programs are determined by us to be economically unfeasible. A product or program may be determined to be uneconomic if the commercial opportunity is insufficient to justify the investment required to develop and market the product or for other reasons. We expect that our spending in support of research, development and commercialization of the platelet and plasma systems will be in excess of contribution from product sales, milestone payments and development funding for such programs from third parties over the next year. We may experience higher than anticipated working capital requirements, if we are unable to collect accounts receivable on a timely basis or choose to maintain safety stocks of inventory of the platelet and plasma systems to mitigate risks of supply shortages. As a result of these factors, further product development and commercialization of the INTERCEPT Blood System may take longer and be more expensive than we previously anticipated. We expect to continue to spend substantial funds for our operations for the foreseeable future. Our cash, liquidity and capital requirements will depend on many factors, including the development progress and costs of our programs, payments from collaborators, funding from agencies of the United States government, costs related to creating, maintaining and defending our intellectual property position, regulatory approval and successful commercialization of our product candidates, competitive developments and regulatory factors.

Through June 30, 2007, we had been awarded \$41.7 million in funding under cooperative agreements with the Department of Defense, and have received \$38.9 million in proceeds from these awards. We also have received funding under grants from the National Institutes of Health. Further funding awarded under federal grants and cooperative agreements is subject to the authorization of funds and approval of our research plans by various organizations within the federal government, including the U.S. Congress. The general economic environment, coupled with tight Federal budgets, has led to a general decline in the amount of government funding. Additionally, we no longer are deemed to be a small business for purposes of being eligible for certain grants administered by the National Institutes of Health and regulated by Small Business Administration. If we are unable to obtain Federal grant and cooperative agreement funding for future activities at levels similar to past funding, we may need to reduce our operating expenses, which would delay progress in some of our development programs. In addition, we are required separately to administer and account for our work under government contracts and grants on an on-going basis as a condition to accepting government funding which places administrative, accounting and reporting burdens on us beyond those we have assumed as a public company. If we fail to comply with applicable governmental administrative, accounting and reporting regulations with respect to these grants and cooperative agreements, funds currently available to us may be reduced or lost. These conditions may also result in increased selling, general, and administrative spending beyond what we have experienced.

We may be unable to consummate a transaction involving our immunotherapy programs on terms that are acceptable to us. If we are able to consummate a transaction involving our immunotherapy programs, it will likely result in a substantial dilution in our ownership interest in the immunotherapy programs.

On April 26, 2007, we announced that we are exploring strategic alternatives for our cancer and infectious disease immunotherapy programs. We will consider several possible business structures, including partnering some or all of the programs within our immunotherapy business with companies having established programs in immunology or in cancer and infectious disease indications, combining our immunotherapy business with another public or private company, or spinning out the business for an equity interest in a newly-formed immunotherapy company. If we are able to consummate a transaction involving our immunotherapy programs with a newly-formed immunotherapy company, we will likely retain less than a twenty percent ownership in the new company. The value we immediately receive from any such transaction will likely be substantially less than the cumulative expenditures we have made developing our immunotherapy programs. We may be unable to consummate a transaction involving our immunotherapy programs, which would then require that we either fund increased operations internally or curtail operations.

We may not be able to protect our intellectual property or operate our business without infringing intellectual property rights of others.

Our commercial success will depend, in part, on obtaining and maintaining patent protection on our products and successfully defending our products against third-party challenges. Our technology will be protected from unauthorized use only to the extent that it is covered by valid and enforceable patents or effectively maintained as trade secrets. As a result, our success depends in part on our ability to:

obtain patents;

protect trade secrets;

operate without infringing upon the proprietary rights of others; and

prevent others from infringing on our proprietary rights.

We cannot be certain that our patents or patents that we license from others will be enforceable and afford protection against competitors. Our patents or patent applications, if issued, may be challenged, invalidated or circumvented. Our patent rights may not provide us with proprietary protection or competitive advantages against competitors with similar technologies. Others may independently develop technologies similar to ours or independently duplicate our technologies. For example, a United States patent issued to a third-party covers methods to remove psoralen compounds from blood products. We have reviewed the patent and believe our work predates the invention disclosed in that patent. We are continuing to review that patent and will make a determination as to whether any action is necessary. In addition, others hold patents, and have pending patent applications, concerning *Listeria* -based immunotherapies. Those patents and new patents that may be issued upon the pending applications, if valid, would restrict us from bringing to market particular embodiments of *Listeria* -based immunotherapy products. While we believe that such restrictions do not preclude us from developing and commercializing our *Listeria* -based immunotherapy products, they may preclude us from pursuing certain product approaches that might otherwise be promising. Our patents expire at various dates between 2009 and 2018. Recent patent applications, principally related to our immunotherapy programs, will, if granted, result in patents with later expiration dates. Due to the extensive time required for development, testing and regulatory review of our potential products, our patents may expire or remain in existence for only a short period following commercialization. This would reduce or eliminate any advantage of the patents.

We cannot be certain that we were the first to make the inventions covered by each of our issued patents or pending patent applications or that we were the first to file patent applications for such inventions. We may need to license the right to use third-party patents and intellectual property to continue development and commercialization of our products. We may not be able to acquire such required licenses on acceptable terms, if at all. If we do not obtain such licenses, we may need to design around other parties patents, or we may not be able to proceed with the development, manufacture or sale of our products.

We may face litigation to defend against claims of infringement, assert claims of infringement, enforce our patents, protect our trade secrets or know-how or determine the scope and validity of others proprietary rights. Patent litigation is costly. In addition, we may require interference proceedings before the United States Patent and Trademark Office to determine the priority of inventions relating to our patent applications. Litigation or interference proceedings could be expensive and time consuming, and we could be unsuccessful in our efforts to enforce our intellectual property rights.

We may rely, in certain circumstances, on trade secrets to protect our technology. However, trade secrets are difficult to protect. We protect our proprietary technology and processes, in part, by confidentiality agreements with employees and certain contractors. These agreements may be breached and we may not have adequate remedies for any breach or our trade secrets may otherwise become known or be independently discovered by competitors. To the extent that our employees, consultants or contractors use intellectual property owned by others, disputes also may arise as to the rights in related or resulting know-how and inventions.

As our international operations grow, we may be subject to adverse fluctuations in exchange rates between the United States dollar and foreign currencies. Consequently, we may suffer losses.

Our international operations are subject to risks typical of an international business, including, among other factors: differing political, economic, and regulatory climates, different tax structures, and foreign exchange volatility. We do not currently enter into any hedging contracts

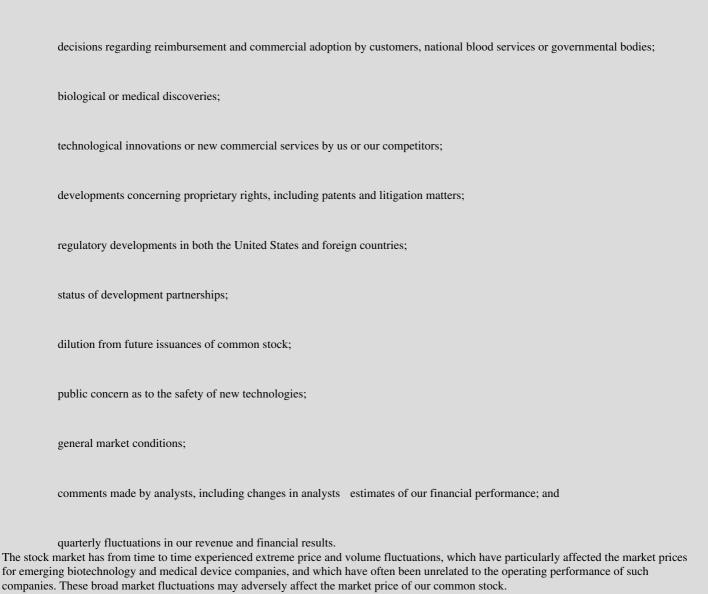
to normalize the impact of foreign exchange fluctuations. As a result, our future results could be materially affected by changes in these or other factors.

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Product sales of our blood safety products are typically made in Europe and generally are invoiced to customers in Euros. In addition, we incur operating expenses in foreign currencies. Our exposure to foreign exchange rate volatility is a direct result of our product sales, cash collection and expenses to support our international operations. Foreign exchange rate fluctuations are recorded as a component of Interest (Expense) and other, net on our consolidated statements of operations. Significant fluctuations in the volatility of foreign currencies relative to the U.S. dollar may materially affect our results of operations. Currently we do not have any near-term plans to enter into a formal hedging program to mitigate the effects of foreign currency volatility.

The market price of our stock may be highly volatile.

The market prices for our securities and those of other emerging medical device and biotechnology companies have been, and may continue to be, volatile. For example, during the period from January 1, 2005, to June 30, 2007, the sale price of our common stock as quoted on the Nasdaq Global Market fluctuated within a range from a low of \$2.93 to a high of \$14.76. Announcements may have a significant impact on the market price of our common stock. Such announcements may include:



We may fail to comply fully with elements of the Sarbanes-Oxley Act of 2002. Our failure to maintain effective internal controls in accordance with Section 404 of this Act could have a material adverse effect on our stock price.

Section 404 of the Sarbanes-Oxley Act of 2002 requires annual management assessments of the effectiveness of our internal controls over financial reporting and a report by our independent registered public accountants attesting to and reporting on these assessments. These requirements extend to the operations of our subsidiary in Europe. If we fail to maintain the adequacy of our internal controls over financial reporting, as such standards are modified, supplemented or amended from time to time, we may not be able to ensure that we can conclude in future periods that we have effective internal controls over financial reporting in accordance with Section 404 of the Sarbanes-Oxley Act of 2002. If we cannot favorably assess, or our independent registered public accountants are unable to provide an unqualified attestation report on our assessment of, the effectiveness of our internal controls over financial reporting, investor confidence in the reliability of our financial reports may be adversely affected, which could have a material adverse effect on our stock price.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

None.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

None.

ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

The following proposals were submitted to a vote of, and adopted by, stockholders at the 2007 Annual Meeting of Stockholders on June 4, 2007 (Annual Meeting)

1. Stockholders approved the proposal to elect one (1) director for a three-year term. The vote tabulation is as follows:

DirectorVotes ForVotes WithheldLaurence M. Corash, M.D.27,902,460931,560

B.J. Cassin, William R. Rohn., Timothy B. Anderson, Bruce C. Cozadd and Claes Glassell continued to serve as directors after the annual meeting.

- Stockholders approved the proposal for the 1999 Equity Incentive Plan, as amended and increased the aggregate number of shares of common stock authorized for issuance under such plan by 600,000 shares. There were 9,150,826 votes for and 8,415,739 votes against, with 15,975 abstentions and 11,251,480 broker non-votes.
- 3. Stockholders approved the proposal to ratify the selection of Ernst & Young LLP as the Company s independent registered public accounting firm to perform the audit of Cerus Corporation s financial statements for fiscal year ending December 31, 2007 by a vote of 28,721,535 for and 93,670 against with 18,815 abstentions.

ITEM 5. OTHER INFORMATION

On June 4, 2007, the stockholders, upon the recommendation of the Board of Directors of the Company, approved an amendment to the Company $\,$ s 1999 Equity Incentive Plan (the Plan). The amendment provides for an increase in the number of shares of the Company $\,$ s common stock reserved for issuance under the Plan by 600,000 shares. The foregoing description is qualified in its entirety by the Plan, as amended, which is filed as Exhibit 10.1 to this Form 10-Q and is incorporated herein by reference.

ITEM 6. EXHIBITS

- 3.1.1(1) Restated Certificate of Incorporation of Cerus Corporation, as amended to date.
- 3.2(2) Amended and Restated Bylaws of Cerus.
- 4.2(3) Specimen Stock Certificate.
- 10.1() 1999 Equity Incentive Plan, as amended to date.
- 31.1 Certification of the Chief Executive Officer of Cerus pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
- 31.2 Certification of the Chief Financial Officer of Cerus pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.

- 32.1(*) Certification of the Chief Executive Officer and Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
- (1) Incorporated by reference to Cerus Current Report on Form 8-K, dated November 3, 1999.
- (2) Incorporated by reference to Cerus Current Report on Form 8-K, dated April 26, 2007
- (3) Incorporated by reference to Cerus Registration Statement on Form S-1 (File No. 333-11341) and amendments thereto.

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(*) This certification accompanies the Form 10-Q to which it relates, is not deemed filed with the Securities and Exchange Commission, and is not to be incorporated by reference into any filing of Cerus Corporation under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Form 10-Q), irrespective of any general incorporation language contained in such filing.

() Filed herewith.

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Date: August 1, 2007

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.

CERUS CORPORATION

/s/ William J. Dawson William J. Dawson Chief Financial Officer

(Principal Financial and Accounting Officer)

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Exhibit Index

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