

# SECURITIES AND EXCHANGE COMMISSION

## FORM 5

Annual statement of changes in beneficial ownership of securities

Filing Date: **2004-02-11** | Period of Report: **2003-12-31**  
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### ISSUER

#### **GREAT LAKES CHEMICAL CORP**

CIK: **43362** | IRS No.: **951765035** | State of Incorporation: **DE** | Fiscal Year End: **1231**  
SIC: **2890** Miscellaneous chemical products

Mailing Address  
9025 NORTH RIVER RD.  
SUITE 400  
INDIANAPOLIS IN 46240

Business Address  
9025 NORTH RIVER RD.  
SUITE 400  
INDIANAPOLIS IN 46221  
3177153000

### REPORTING OWNER

#### **BULRISS MARK P**

CIK: **1205958**  
Type: **5** | Act: **34** | File No.: **001-06450** | Film No.: **04584432**

Mailing Address  
C/O GREAT LAKES CHEMICAL  
500 E 96TH ST STE 500  
INDIANAPOLIS IN 46240

# FORM 5

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Form 3 Holdings Reported

Form 4 Transactions Reported

### ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person <b>BULRISS MARK P</b>			2. Issuer Name and Ticker or Trading Symbol <b>GREAT LAKES CHEMICAL CORP</b> [GLK]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>Chairman, President and CEO</b>		
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) <b>12/31/2003</b>					
9025 NORTH RIVER ROAD, SUITE 400			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Reporting (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person		
(Street) <b>INDIANAPOLIS, IN 46240</b>								
(City)	(State)	(Zip)						

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common							48,000	D	
Common							300	I	By Mother
Common							1,148.881	I	By 401k Plan
Common	03/06/2001		A4	31.9055	A	\$33.85	2,679.1871	I	By Supplemental Savings Plan
Common	03/22/2001		A4	36.1446	A	\$29.88	2,715.3317	I	By Supplemental Savings Plan
Common	04/10/2001		A4	33.1797	A	\$32.55	2,748.5114	I	By Supplemental Savings Plan
Common	04/25/2001		A4	33.3849	A	\$32.35	2,781.8963	I	By Supplemental Savings Plan
Common	05/03/2001		A4	33.8558	A	\$31.9	2,815.7521	I	By Supplemental Savings Plan
Common	05/16/2001		A4	33.335	A	\$34.06	2,849.0871	I	By Supplemental Savings Plan
Common	05/30/2001		A4	33.6014	A	\$33.79	2,882.6885	I	By Supplemental Savings Plan
Common	06/11/2001		A4	34.0651	A	\$33.33	2,916.7536	I	By Supplemental Savings Plan
Common	06/22/2001		A4	36.8036	A	\$30.85	2,953.5572	I	By Supplemental Savings Plan

Common	07/09/2001		<u>A</u> 4	36.744	A	\$30.9	2,990.3012	I	By Supplemental Savings Plan
Common	07/23/2001		<u>A</u> 4	39.3277	A	\$28.87	3,029.6289	I	By Supplemental Savings Plan
Common	08/07/2001		<u>A</u> 4	41.4527	A	\$27.39	3,071.0816	I	By Supplemental Savings Plan
Common	08/20/2001		<u>A</u> 4	43.6353	A	\$26.02	3,114.7169	I	By Supplemental Savings Plan
Common	09/04/2001		<u>A</u> 4	44.9659	A	\$25.25	3,159.6828	I	By Supplemental Savings Plan
Common	09/18/2001		<u>A</u> 4	50.4618	A	\$22.5	3,210.1446	I	By Supplemental Savings Plan
Common	10/01/2001		<u>A</u> 4	52.3462	A	\$21.69	3,262.4908	I	By Supplemental Savings Plan
Common	10/16/2001		<u>A</u> 4	50.2385	A	\$22.6	3,312.7293	I	By Supplemental Savings Plan
Common	10/29/2001		<u>A</u> 4	53.6827	A	\$21.15	3,366.412	I	By Supplemental Savings Plan
Common	11/09/2001		<u>A</u> 4	50.5516	A	\$22.46	3,416.9636	I	By Supplemental Savings Plan
Common	11/23/2001		<u>A</u> 4	45.4156	A	\$25	3,462.3792	I	By Supplemental Savings Plan
Common	12/11/2001		<u>A</u> 4	47.2489	A	\$24.03	3,509.6281	I	By Supplemental Savings Plan
Common	12/24/2001		<u>A</u> 4	47.1312	A	\$24.09	3,556.7593	I	By Supplemental Savings Plan
Common	03/19/2002		<u>A</u> 4	6.3759	A	\$27.75	3,563.1352	I	By Supplemental Savings Plan
Common	04/02/2002		<u>A</u> 4	34.4685	A	\$27.45	3,597.6037	I	By Supplemental Savings Plan
Common	04/15/2002		<u>A</u> 4	35.108	A	\$26.95	3,632.7117	I	By Supplemental Savings Plan
Common	04/26/2002		<u>A</u> 4	36.9449	A	\$25.61	3,669.6566	I	By Supplemental Savings Plan
Common	05/14/2002		<u>A</u> 4	35.4367	A	\$26.7	3,705.0933	I	By Supplemental Savings Plan

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date					

**Signatures**

/s/ Karen Witte Duros, Attorney-in-Fact for Mark P. Bulriss

\*\* Signature of Reporting Person

02/11/2004

Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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