GROSS LEON S Form SC 13D/A September 10, 2003

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Schedule 13D

Under the Securities Exchange Act of 1934 (Amendment No. 17)*

Electric Fuel Corporation d/b/a Arotech Corporation

(Name of Issuer)

Common Stock \$0.01 Par Value
----(Title of Class of Securities)

284871-10-0 -----(CUSIP Number)

Steven M. Plon, Esquire, Plon & Associates, P.C.
1835 Market Street, Suite 1215, Philadelphia, PA 19103, (215) 979-7603

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

September 9, 2003

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of ss.ss.240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box $| _ |$.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following pages)

persons		Names of Reporting Persons. I.R.S. Identification Nos. of above ities only) Leon S. Gross	
	2.	Check the Appropriate Box if a Member of a Group (See Instructions (a))
		(b)	
		SEC Use Only	
	4.	Source of Funds (See Instructions)	
Items 2(Check if Disclosure of Legal Proceedings Is Required Pursuant to r 2(e)	
	6.	Citizenship or Place of Organization United States of America	
		ares Beneficially Owned by ng Person With	
	7.	Sole Voting Power 3,072,869 [includes 35,000 options to purchase common stock]	
	8.	Shared Voting Power 450,665 are held jointly as a Co-Truste of the Rose Gross Charitable Foundation	е
	9.	Sole Dispositive Power 3,072,869 [includes 35,000 options to purchase common stock]	
	10.	Shared Dispositive Power 450,665 are held jointly as a Co-Trustee of the Rose Gross Charitable Foundation	
3 , 523 , 53	11. 34 [i	Aggregate Amount Beneficially Owned by Each Reporting Person ncludes 35,000 options to purchase common stock].	
		Check if the Aggregate Amount in Row (11) Excludes Certain Shares tions)	
		Percent of Class Represented by Amount in Row (11) 8.8% of nd outstanding stock (1)	
		Type of Reporting Person (See Instructions)	
Issuer's	Pro	on 40,078,032 shares of common stock outstanding as reported in the xy dated August 6, 2003, and assuming exercise of options to 000 Shares held by Mr. Gross.	
		Page 3 of 4	

AMENDMENT NO. 17 TO SCHEDULE 13D

This Amendment No. 17 to the Schedule 13D originally dated February 23, 1996, as amended by the First Amendment to Schedule 13D dated April 30, 1996, the Second Amendment to Schedule 13D dated September 1, 1996, the Third Amendment to Schedule 13D dated October 11, 1996, the Fourth Amendment to Schedule 13D dated December 27, 1996, the Fifth Amendment to Schedule 13D dated May 12, 1997, the Sixth Amendment to Schedule D dated December 3, 1997, the

Seventh Amendment to Schedule 13D dated September 28, 1998, the Eighth Amendment to Schedule 13D dated October 14, 1999, the Ninth Amendment to Schedule 13D dated January 12, 2000, the Eleventh Amendment to Schedule 13D dated June 26, 2000, the Twelfth Amendment to Schedule 13D dated June 26, 2000, the Twelfth Amendment to Schedule 13D dated October 20, 2000, the Thirteenth Amendment to Schedule 13D dated January 16, 2001, the Fourteenth Amendment to Schedule 13D dated April 3, 2001, the Fifteenth Amendment to Schedule 13D dated January 14, 2002, and the Sixteenth Amendment to Schedule 13D dated August 14, 2003 (the "Existing Schedule 13D"), is being filed by the undersigned in accordance with Rule 13d-2(a) of the general rules and regulations under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and amends the Existing Schedule 13D to the extent set forth below. Terms defined in the Existing Schedule 13D are used herein as so defined.

Item 4. Purpose of Transaction.

Item 4 of the Existing Schedule 13 D is hereby amended to read as follows:

Mr. Gross has invested in the Shares primarily because of the possibility that the Issuer will be successful in its business activities. Mr. Gross may make additional dispositions and purchases subject to a number of factors, including market prices of the Shares and his continuing review of the business of and the prospects for the Issuer and general market and business considerations and financial planning considerations.

Item 5. Interest in Securities of the Issuer.

The third paragraph of Items 5(a) and (b) of the Existing Schedule 13D is hereby amended to read as follows:

Mr. Gross beneficially owns 3,523,534 Shares, or 8.8% of the Common Stock (based upon 40,078,032 shares of common stock outstanding as reported in the Issuer's Proxy dated August 6, 2003 and assuming the exercise of options to purchase 35,000 Shares held by Mr. Gross, for a total of 40,113,032 outstanding shares). Of the 3,523,534 Shares beneficially owned by him, Mr. Gross has the sole power to vote 3,072,869 such Shares, assuming the exercise of options to purchase 35,000 Shares. The remaining 450,665 Shares are held jointly by Mr. Gross and Lawrence M. Miller in their capacities as Co-Trustees of the Rose Gross Charitable Foundation (the "Foundation"), a charitable foundation founded by Mr. Gross by Agreement of Trust dated May 28, 1997. Mr. Gross has sole power to dispose of all Shares beneficially owned by him, except for the 450,665 Shares owned by the Foundation. To the best of Mr. Gross' knowledge, except as expressly set forth herein, no other person has the right to receive or the power to direct the receipt of dividends from, or proceeds of the sale of, the Shares held by him.

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Item 5(c) of the Existing Schedule 13D is hereby amended by the addition of the following paragraph:

(c) Listed below are the sales of Shares by Mr. Gross which have occurred since the most recent Schedule 13D Amendment filed by Mr. Gross, all of which were made through open market sales. As reported in Mr. Gross Amendment No. 16 to Schedule 13D, these sales were made because Mr. Gross earlier this year incurred a large capital gain in the sale of securities of an unrelated company and desired to utilize the capital loss from the sale of these Shares.

Date of Sale Number of Shares Price Per Share

8/20/2003	10,000	\$1.00
8/20/2003	19,200	\$1.00
8/21/2003	40,000	\$1.00
8/21/2003	22,500	\$1.00
8/22/2003	10,000	\$1.00
8/26/2003	10,000	\$0.96
9/4/2003	6,000	\$1.00
9/5/2003	100	\$1.01
9/5/2003	50,000	\$1.00
9/8/2003	50,000	\$1.00
9/8/2003	25,000	\$1.00
9/8/2003	25,000	\$1.00
9/8/2003	50,000	\$1.00
9/8/2003	50,000	\$1.02
9/8/2003	50,000	\$1.02
9/8/2003	12,000	\$1.03
9/9/2003	50,000	\$1.04
9/9/2003	20,200	\$1.06
Total Sales	500,000	

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

September 10, 2003

Date

/s/ Leon S. Gross

Leon S. Gross