TRONOX INC Form SC 13G/A February 13, 2009

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G/A

Amendment No. 3

INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934

Tronox Inc. (NAME OF ISSUER)

Common Stock, \$0.01 par value (TITLE OF CLASS OF SECURITIES)

897051108 (CUSIP NUMBER)

December 31, 2008 (Date of Event which requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[] Rule 13d-1(b)

[x] Rule 13d-1(c)

[] Rule 13d-1(d)

(Page 1 of 17 Pages)

The information required in 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).

^{*} 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 the disclosures provided in a prior cover page.

(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Ardsley Partners Fund II, L.P.						
			·				
(2)	CHECK	THE			[x]		
(3)	SEC U	SE C	NLY				
. ,	CITIZ Delaw						
NUMBER OF		(5)	SOLE VOTING POWER				
	LLY	(6)	SHARED VOTING POWER 0				
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0				
PERSON WI	TH	(8)	SHARED DISPOSITIVE POWER 0				
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0						
(10)		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []					
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE PN	OF F	EPORTING PERSON **				
			** SEE INSTRUCTIONS BEFORE FILLING OUT!				
CUSIP No.	89705	1108				17 PAGES	
(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Ardsley Partners Institutional Fund, L.P.						
(2)			APPROPRIATE BOX IF A MEMBER OF A GROUP **		(a) (b)	[x]	

(3)	SEC USE ONLY						
` '	CITIZ Delaw		IP OR PLACE OF ORGANIZATION				
NUMBER OF		(5)	SOLE VOTING POWER 0				
BENEFICIA OWNED BY		(6)	SHARED VOTING POWER 0				
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER				
PERSON WI	TH	(8)	SHARED DISPOSITIVE POWER 0				
(9)			AMOUNT BENEFICIALLY OWNED EPORTING PERSON				
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ** []						
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE PN	OF R	EPORTING PERSON **				
			** SEE INSTRUCTIONS BEFORE FILLING OUT!				
CUSIP No.	89705	51108	13G/A	PAGE 4 of	17 PAGES		
(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Ardsley Renewable Energy Offshore Fund, Ltd.						
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP ** (a) [x] (b) []						
(3)	SEC USE ONLY						
(4)			IP OR PLACE OF ORGANIZATION irgin Islands				

NUMBER OF		, ,	SOLE VOTING POWER 0				
SHARES							
BENEFICIAI	LLY		SHARED VOTING POWER 0				
OWNED BY							
EACH		(7)	SOLE DISPOSITIVE POWER 0				
REPORTING							
PERSON WIT	ГН		SHARED DISPOSITIVE POWER 0				
			AMOUNT BENEFICIALLY OWNED EPORTING PERSON				
` '			IF THE AGGREGATE AMOUNT EXCLUDES CERTAIN SHARES **			[]	
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE CO	OF RI	EPORTING PERSON **				
CUSIP No.	89705	1108	13G/A	PAGE	5 of	17 PAGES	
(1)	S.S. OF AB	OR I OVE 1	EPORTING PERSON R.S. IDENTIFICATION NO. PERSON ffshore Fund Ltd.				
(2)	CHECK	THE	APPROPRIATE BOX IF A MEMBER OF A GROUP **			[x]	
(3)	SEC U	SE O					
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION British Virgin Islands						
NUMBER OF		(5)	SOLE VOTING POWER 0				
BENEFICIAI	LLY		GUADED MOETING DOWED				

EACH		(7)	SOLE DISPOSITIVE POWER					
REPORTING								
PERSON WI	ГН	(8)	SHARED DISPOSITIVE POWER					
(9)			AMOUNT BENEFICIALLY OWNED EPORTING PERSON					
(10)			IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES **		[]			
(11)		PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE CO	OF R	EPORTING PERSON **					
			** SEE INSTRUCTIONS BEFORE FILLING OUT!					
CUSIP No.	89705	51108	13G/A	PAGE 6 of	17 PAGES			
(1)	S.S. OF AE	OR I BOVE	EPORTING PERSON .R.S. IDENTIFICATION NO. PERSON dvisory Partners					
(2)	CHECF	THE	APPROPRIATE BOX IF A MEMBER OF A GROUP **		[x]			
(3)	SEC U	JSE O	NLY					
(4)	CITIZ		IP OR PLACE OF ORGANIZATION ut					
NUMBER OF		(5)	SOLE VOTING POWER 0					
	I.I.Y	(6)	SHARED VOTING POWER					
OWNED BY		(-,	0					
EACH		(7)	SOLE DISPOSITIVE POWER 0					
REPORTING								
PERSON WI	ГН	(8)	SHARED DISPOSITIVE POWER 0					
(9)	AGGRE	GATE	AMOUNT BENEFICIALLY OWNED					

	BY EA	CH R	EPORTING PERSON				
(10)	CHECK		[]				
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0%						
(12)	TYPE PN; I		EPORTING PERSON **				
			** SEE INSTRUCTIONS BEFORE FILLING OUT!				
CUSIP No.	89705	1108	13G/A	PAGE 7 of	17 PAGES		
(1)	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Ardsley Partners I						
(2)	CHECK	THE	APPROPRIATE BOX IF A MEMBER OF A GROUP **		[x]		
(3)	SEC U	SE O	NLY				
	CITIZ Conne		IP OR PLACE OF ORGANIZATION ut				
NUMBER OF		(5)	SOLE VOTING POWER				
BENEFICIA		(6)	SHARED VOTING POWER 0				
EACH		(7)	SOLE DISPOSITIVE POWER 0				
REPORTING							
PERSON WI	TH 	(8)	SHARED DISPOSITIVE POWER				
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0						
(10)	IN RO	W (9	IF THE AGGREGATE AMOUNT) EXCLUDES CERTAIN SHARES **		[]		
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						

	0%								
(12)	TYPE PN	OF R	EPORTING PERSON **						
			** SEE INSTRUCTIONS BEFORE FILLING O	 JT !					
CUSIP No.	8970	51108	13G/A	PAGE 8 of 17 PAGES					
(1)	NAME S.S. OF AI	OR I BOVE							
(2)	CHEC	THE	APPROPRIATE BOX IF A MEMBER OF A GROUI	 P ** (a) [x] (b) []					
(3)	SEC U	JSE O	ILY						
		CITIZENSHIP OR PLACE OF ORGANIZATION United States							
NUMBER OF		(5)	SOLE VOTING POWER 0						
BENEFICIA	LLY	(6)	SHARED VOTING POWER 1,170,000						
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0						
			SHARED DISPOSITIVE POWER 1,170,000						
(9)		ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON						
(10)	CHECK IN RO		[]						
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.31%								
(12)	TYPE IN	OF R	EPORTING PERSON **						
			** SEE INSTRUCTIONS BEFORE FILLING O	 UT!					

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ITEM 1(a). NAME OF ISSUER:

The name of the issuer is Tronox Inc. (the "Company").

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:
123 Robert S. Kerr Avenue, Oklahoma City, Oklahoma 73102

ITEM 2(a). NAME OF PERSON FILING:

This statement is filed by:

- (i) Ardsley Partners Fund II, L.P., a Delaware limited partnership ("AP II"), with respect to the shares of Class A Common Stock, par value \$0.01 per share ("Common Stock") directly owned by it;
- (ii) Ardsley Partners Institutional Fund, L.P., a Delaware limited partnership ("Ardsley Institutional"), with respect to the shares of Common Stock directly owned by it;
- (iii) Ardsley Renewable Energy Offshore Fund, Ltd., a British Virgin Islands corporation ("Ardsley Energy"), with respect to the shares of Common Stock directly owned by it;
- (iii) Ardsley Offshore Fund Ltd., a British Virgin Islands corporation ("Ardsley Offshore"), with respect to the shares of Common Stock directly owned by it;
- (iv) Ardsley Advisory Partners, a New York general partnership ("Ardsley") which serves as Investment Manager of Ardsley Offshore and the Investment Adviser of AP II, Ardsley Institutional, Ardsley Energy and certain managed accounts, with respect to the shares of Common Stock directly owned by Ardsley Offshore, AP II, Ardsley Institutional, Ardsley Energy and the managed accounts;
- (v) Ardsley Partners I, a New York general partnership ("Ardsley Partners") which serves as General Partner of AP II and Ardsley Institutional; and
- (vi) Philip J. Hempleman ("Mr. Hempleman"), the Managing Partner of Ardsley and Ardsley Partners, with respect to the shares of Common Stock owned by AP II, Ardsley Institutional, Ardsley Energy, Ardsley Offshore and the managed accounts and with respect to the shares of Common Stock he owns individually.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

ITEM 2(b). ADDRESS OF PRINCIPAL OFFICE OR, IF NONE, RESIDENCE:

The address of the business office of each of the Reporting Persons, with the exception of Ardsley Offshore and Ardsley Energy, is 262 Harbor Drive, Stamford, Connecticut 06902.

The address of the registered office of Ardsley Offshore and Ardsley Energy is Romasco Place, Wickhams Cay 1, Roadtown Tortola, British Virgin Islands.

ITEM 2(c). CITIZENSHIP:

AP II and Ardsley Institutional are Delaware limited partnerships.

Ardsley Offshore and Ardsley Energy are British Virgin Islands corporations. Ardsley and Ardsley Partners are New York general partnerships. Mr. Hempleman is a United States Citizen.

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- ITEM 2(d). TITLE OF CLASS OF SECURITIES: Common Stock, par value \$0.01 per share
- ITEM 2(e). CUSIP NUMBER: 897051108
- ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13d-1(b), OR 13d-2(b), CHECK WHETHER THE PERSON FILING IS A:
 - (a)[] Broker or dealer registered under Section 15 of the Act
 - (b) [] Bank as defined in Section 3(a)(6) of the Act
 - (c)[] Insurance Company as defined in Section 3(a)(19) of the Act
 - (d)[] Investment Company registered under Section 8 of the Investment Company Act
 - (e) [] Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940
 - (f)[] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F)
 - (g)[] Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G); see item 7
 - (h)[] Group, in accordance with Rule 13d-1(b)(1)(ii)(H)

If this statement is filed pursuant to Rule 13d-1(c), check the box. [X]

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ITEM 4. OWNERSHIP.

- A. Ardsley Partners Fund II, L.P.
 - (a) Amount beneficially owned: -0-
 - (b) Percent of class: 0%. (The percentages used herein and in the rest of Item 4 are calculated based upon the 18,556,127 shares of Common Stock, issued and outstanding as of October 31, 2008 as per the Company's Form 10-Q, as filed on November 7, 2008.)
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-
- B. Ardsley Partners Institutional Fund, L.P.

- (a) Amount beneficially owned: -0-
- (b) Percent of class: 0%
- (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-
- C. Ardsley Renewable Energy Offshore Fund, Ltd.
 - (a) Amount beneficially owned: -0-
 - (b) Percent of class: 0%
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-
- D. Ardsley Offshore Fund Ltd.
 - (a) Amount beneficially owned: -0-
 - (b) Percent of class: 0%
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-
- E. Ardsley Advisory Partners
 - (a) Amount beneficially owned: -0-
 - (b) Percent of class: 0%
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-
- F. Ardsley Partners I
 - (a) Amount beneficially owned: -0-
 - (b) Percent of class: 0%
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: -0-
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: -0-

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- G. Philip J. Hempleman
 - (a) Amount beneficially owned: 1,170,000
 - (b) Percent of class: 6.31%
 - (c) (i) Sole Power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,170,000
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,170,000
- ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following |X|.

Ardsley Advisory Partners and Ardsley Partners I have disposed of any Common Stock directly owned by AP II, Ardsley Institutional, Ardsley Energy,

Ardsley Offshore and any managed accounts. Mr. Hempleman, as described further in Item 6 may continue to be deemed to be an indirect "beneficial owner" of the shares of Common Stock.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Mr. Hempleman directs the operations of certain managed accounts and therefore may be deemed to be the indirect "beneficial owner" of the shares of Common Stock owned by the managed accounts.

- ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

 Not applicable.
- ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP. Not applicable.
- ITEM 9. NOTICE OF DISSOLUTION OF GROUP.
 Not applicable.

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ITEM 10. CERTIFICATION.

Each of the Reporting Persons hereby makes the following certification:

By signing below I certify, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business, were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

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SIGNATURE

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

DATED: as of February 13, 2009

ARDSLEY PARTNERS FUND II, L.P.
BY: ARDSLEY PARTNERS I,
GENERAL PARTNER

BY: /s/ Steve Napoli

Steve Napoli General Partner

ARDSLEY PARTNERS INSTITUTIONAL FUND, L.P. BY: ARDSLEY PARTNERS I, GENERAL PARTNER BY: /s/ Steve Napoli Steve Napoli General Partner ARDSLEY RENEWABLE ENERGY OFFSHORE FUND, LTD. BY: /s/ Steve Napoli Steve Napoli Director ARDSLEY OFFSHORE FUND LTD. BY: /s/ Steve Napoli _____ Steve Napoli Director ARDSLEY ADVISORY PARTNERS By: ARDSLEY PARTNERS I GENERAL PARTNER BY: /s/ Steve Napoli _____ Steve Napoli

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ARDSLEY PARTNERS I

BY: /s/ Steve Napoli

Steve Napoli General Partner

General Partner

PHILIP J. HEMPLEMAN, INDIVIDUALLY

BY: /s/ Steve Napoli*

Steve Napoli As attorney in fact for Philip J. Hempleman

* Evidence of Power of Attorney was filed with the Schedule 13G/A filed on February 15, 2006 (Acc-no: 0000902664-06-000895) and is incorporated by reference into this filing.

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EXHIBIT 1
JOINT FILING AGREEMENT PURSUANT TO RULE 13d-1(k)(1)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him, her or it contained herein, but shall not be responsible for the completeness and accuracy of the information concerning the other entities or persons, except to the extent that he, she or it knows or has reason to believe that such information is inaccurate.

Dated as of February 13, 2009

ARDSLEY PARTNERS FUND II, L.P.
BY: ARDSLEY PARTNERS I,
GENERAL PARTNER

BY: /s/ Steve Napoli

Steve Napoli General Partner

ARDSLEY PARTNERS INSTITUTIONAL FUND, L.P.

BY: ARDSLEY PARTNERS I, GENERAL PARTNER

BY: /s/ Steve Napoli

Steve Napoli General Partner

ARDSLEY RENEWABLE ENERGY OFFSHORE FUND, LTD.

BY: /s/ Steve Napoli

Steve Napoli Director

ARDSLEY OFFSHORE FUND LTD.

BY: /s/ Steve Napoli

Steve Napoli Director

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ARDSLEY ADVISORY PARTNERS

By: ARDSLEY PARTNERS I GENERAL PARTNER

BY: /s/ Steve Napoli

Steve Napoli General Partner

ARDSLEY PARTNERS I

BY: /s/ Steve Napoli

Steve Napoli General Partner

PHILIP J. HEMPLEMAN, INDIVIDUALLY

BY: /s/ Steve Napoli*

Steve Napoli As attorney in fact for Philip J. Hempleman

^{*} Evidence of Power of Attorney was filed with the Schedule 13G/A filed on February 15, 2006 (Acc-no: 0000902664-06-000895) and is incorporated by reference into this filing.