

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
HEADWATERS NANOKINETIX, INC.		03/31/2004	CORPORATION: UTAH

RECEIVING PARTY DATA	
Name:	Bank One, NA
Street Address:	1 Bank One Plaza
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60670
Entity Type:	National Association: UNITED STATES

PROPERTY NUMBERS Total: 3		
Property Type	Number	Word Mark
Serial Number:	78253674	NXCAT
Serial Number:	78253676	NXCAT NEXT GENERATION NANOCATALYST TECHNOLOGY
Serial Number:	78253673	THINK SMALL...NXCAT

CORRESPONDENCE DATA	
Fax Number:	(214)981-3400
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	214-981-3319
Email:	mroberts@sidley.com
Correspondent Name:	Elisabeth A. Evert, Esq.
Address Line 1:	717 North Harwood
Address Line 2:	Suite 3400
Address Line 4:	Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:	36084-35050
NAME OF SUBMITTER:	Susan Roberts

CH \$90.00 78253674

Total Attachments: 17

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TRADEMARK SECURITY AGREEMENT

THIS TRADEMARK SECURITY AGREEMENT (as amended, restated or otherwise modified from time to time, this "Agreement") is entered into as of March 31, 2004 by and between Headwaters Incorporated, a Delaware corporation (the "Borrower"), each of the subsidiaries of the Borrower listed on the signature pages hereto (together with the Borrower, the "Grantors") and Bank One, NA (Main Office Chicago), as contractual representative (the "Agent") on behalf of itself and on behalf of the "Holders of Secured Obligations" (as such term is defined in the below described Credit Agreement).

WITNESSETH:

WHEREAS, the Borrower, the Agent and certain financial institutions (the "Lenders") are parties to that certain Credit Agreement dated as of the date hereof (as the same may hereafter be modified, amended, restated or supplemented from time to time, the "Credit Agreement"), pursuant to which the Lenders may, from time to time, make loans, advances, and other financial accommodations to or for the benefit of the Borrower;

WHEREAS, the Grantors (other than the Borrower) and the Agent have entered into a certain Guaranty dated as of the date hereof (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Guaranty"), pursuant to which such Grantors have agreed to guarantee all of the Secured Obligations upon the terms and conditions set forth therein;

WHEREAS, the Grantors and the Agent are parties to that certain Pledge and Security Agreement dated as of the date hereof (as the same may hereafter be modified, amended, restated or supplemented from time to time, the "Pledge and Security Agreement"), pursuant to which each Grantor has granted a security interest in substantially all of its assets to the Agent for the benefit of the Agent and the Holders of Secured Obligations; and

WHEREAS, the Lenders have required the Grantors to execute and deliver this Agreement (i) in order to secure the prompt and complete payment, observance and performance of all of (a) the Secured Obligations and (b) all of the obligations and liabilities under the Guaranty of the Grantors (other than the Borrower) (such obligations and liabilities, together with the Secured Obligations, being hereinafter referred to as the "Liabilities"), and (ii) as a condition precedent to the making of any loans, advances and any other financial accommodations by the Lenders under the Credit Agreement.

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

1. Defined Terms.

(i) Unless otherwise defined herein, each capitalized term used herein that is defined in the Credit Agreement shall have the meaning specified for such term in the Credit Agreement. Unless otherwise defined herein or in the Credit Agreement, each capitalized term used herein that is defined in the Pledge and Security Agreement shall have the meaning specified for such term in the Pledge and Security Agreement.

(ii) The words "hereof," "herein" and "hereunder" and words of like import when used in this Agreement shall refer to this Agreement as a whole and not to any particular provision of this Agreement, and section references are to this Agreement unless otherwise specified.

(iii) All terms defined in this Agreement in the singular shall have comparable meanings when used in the plural, and vice versa, unless otherwise specified.

2. Incorporation of Premises. The premises set forth above are incorporated into this Agreement by this reference thereto and are made a part hereof.

3. Security Interest in Trademarks. To secure the complete and timely payment, performance and satisfaction of all of the Liabilities, each Grantor hereby grants to the Agent, for the benefit of the Holders of Secured Obligations, a security interest in, as and by way of a first mortgage and security interest having priority over all other security interests (except any Lien permitted under Section 6.15 of the Credit Agreement), with power of sale to the extent permitted by applicable law, all of such Grantor's now owned or existing and hereafter acquired or arising:

(i) trademarks, registered trademarks, trademark applications, service marks, registered service marks and service mark applications, including, without limitation, the trademarks, registered trademarks, trademark applications, service marks, registered service marks and service mark applications listed on Schedule A attached hereto and made a part hereof, and (a) all renewals thereof, (b) all income, royalties, damages and payments now and hereafter due and/or payable under and with respect thereto, including, without limitation, payments under all licenses entered into in connection therewith and damages and payments for past or future infringements or dilutions thereof, (c) the right to sue for past, present and future infringements and dilutions thereof, (d) the goodwill of such Grantor's business symbolized by the foregoing and connected therewith, and (e) all of such Grantor's rights corresponding thereto throughout the world (all of the foregoing trademarks, registered trademarks and trademark applications, and service marks, registered service marks and service mark applications, together with the items described in clauses (a)-(e) in this paragraph 3(i), are sometimes hereinafter individually and/or collectively referred to as the "Trademarks"); and

(ii) rights under or interests in any trademark license agreements or service mark license agreements with any other party, whether such Grantor is a licensee or licensor under any such license agreement, including, without limitation, those trademark license agreements and service mark license agreements listed on Schedule B attached hereto and made a part hereof, together with any goodwill connected with and

symbolized by any such trademark license agreements or service mark license agreements, and after the occurrence and during the continuance of a Default the right to prepare for sale and sell any and all inventory now or hereafter owned by such Grantor and now or hereafter covered by such licenses (all of the foregoing are hereinafter referred to collectively as the "Licenses"). Notwithstanding the foregoing or anything herein or in any other Loan Document to the contrary, nothing hereunder or thereunder constitutes or shall be deemed to constitute the grant of a security interest in favor of the Agent or any Holder of Secured Obligations with respect to such Grantor's interest in any License, contract right, license agreement, or any other general intangible (each such License, contract right, license agreement and other general intangible being hereinafter referred to as "Excluded Property"), if the granting of a security interest therein by such Grantor to the Agent or any Holder of Secured Obligations is prohibited by the terms and provisions of the agreement, document or instrument creating, evidencing or granting a security interest in such Excluded Property or rights related thereto; provided, however, that if and when the prohibition which prevents the granting by such Grantor to the Agent of a security interest in any Excluded Property is removed or otherwise terminated, the Agent will be deemed to have, and at all times to have had, a security interest in such Excluded Property.

4. Restrictions on Future Agreements. Except as otherwise permitted by the Credit Agreement, no Grantor shall, without the Agent's prior written consent, enter into any agreement, including, without limitation, any license agreement, which is inconsistent with this Agreement or the other Loan Documents, and each Grantor further agrees that it will not take any action, and will use all reasonable efforts not to permit any action to be taken by others, including, without limitation, licensees, or fail to take any action, which would in any respect affect the validity or enforcement of the rights transferred to the Agent under this Agreement or the rights associated with the Trademarks or Licenses.

5. New Trademarks and Licenses. Each Grantor represents and warrants that, as of the Closing Date, (i) the Trademarks listed on Schedule A include all of the foreign and domestic registered trademarks, trademark applications, registered service marks and service mark applications owned or held by such Grantor, (ii) the Licenses listed on Schedule B include all of the trademark license agreements and service mark license agreements under which such Grantor is the licensee or licensor and (iii) except for any Lien permitted by Section 6.15 of the Credit Agreement, no liens, claims or security interests in such Trademarks and Licenses have been granted by such Grantor to any Person other than the Agent. Each Grantor hereby authorizes the Agent to modify this Agreement unilaterally (i) by amending Schedule A to include any future trademarks, registered trademarks, material trademark applications, material service marks, registered service marks and service mark applications of such Grantor and by amending Schedule B to include any future trademark license agreements and service mark license agreements of such Grantor, which are Trademarks or Licenses under paragraph 3 above or under this paragraph 5, and (ii) by filing in the United States Patent and Trademark Office, in addition to and not in substitution for this Agreement, a duplicate original of this Agreement containing on Schedule A or B thereto, as the case may be, such future trademarks, registered trademarks, trademark applications, service marks, registered service marks and service mark applications, and trademark license agreements and service mark license agreements.

6. Royalties. Each Grantor hereby agrees that the use by the Agent of the Trademarks and Licenses as authorized hereunder in connection with the Agent's exercise of its rights and remedies to the extent expressly permitted under paragraph 14 or pursuant to the Pledge and Security Agreement after the occurrence and during the continuance of a Default shall be coextensive with such Grantor's rights thereunder and with respect thereto and without any liability for royalties or other related charges from the Agent or any other Holder of Secured Obligations to such Grantor.

7. Nature and Continuation of the Agent's Security Interest; Termination of the Agent's Security Interest. This Agreement is made for collateral security purposes only. This Agreement shall create a continuing security interest in the Trademarks and Licenses and shall terminate only when the Liabilities have been paid in full and the Credit Agreement and the other Loan Documents have been terminated. When this Agreement has terminated, the Agent shall promptly execute and deliver to each Grantor, at such Grantor's expense, all termination statements and other instruments and take such other actions as may be necessary or proper to terminate the Agent's security interest in the Trademarks and the Licenses, subject to any disposition thereof which may have been made by the Agent pursuant to this Agreement or the Pledge and Security Agreement.

8. Duties of the Grantors. Each Grantor shall have the duty, to the extent reasonably necessary or otherwise desirable in the normal conduct of such Grantor's business, as determined in the reasonable discretion of such Grantor, to: (i) reasonably prosecute diligently any trademark application or service mark application that is part of the Trademarks pending as of the date hereof or hereafter until the termination of this Agreement, and (ii) apply for registration for trademarks or service marks. Each Grantor further agrees (i) not to abandon any Trademark or License to the extent such Trademark or License is reasonably necessary or otherwise desirable in the normal conduct of such Grantor's business, as determined in the reasonable discretion of such Grantor, without the prior written consent of the Agent, which consent shall not be unreasonably withheld, and (ii) to use commercially reasonable efforts to maintain in full force and effect the Trademarks and the Licenses that are or shall be reasonably necessary or otherwise desirable, as determined in the Grantor's reasonable discretion, in the operation of such Grantor's business. Any expenses incurred in connection with the foregoing shall be borne by the applicable Grantor. Neither the Agent nor any of the Holders of Secured Obligations shall have any duty with respect to the Trademarks and Licenses. Without limiting the generality of the foregoing, neither the Agent nor any of the Holders of Secured Obligations shall be under any obligation to take any steps necessary to preserve rights in the Trademarks or Licenses against any other parties, but the Agent may do so at its option from and after the occurrence of a Default, and all reasonable expenses incurred in connection therewith shall be for the sole account of the applicable Grantor and shall be added to the Liabilities secured hereby.

9. The Agent's Right to Sue. Following the occurrence and during the continuance of a Default, the Agent shall have the right, but shall not be obligated, to bring suit in its own name to enforce the Trademarks and the Licenses and, if the Agent shall commence any such suit, each Grantor shall, at the request of the Agent, do any and all lawful acts and execute any and all proper documents reasonably required by the Agent in aid of such

enforcement. The applicable Grantor shall, upon demand, promptly reimburse the Agent for all reasonable costs and expenses incurred by the Agent in the exercise of its rights under this paragraph 9 (including, without limitation, reasonable fees and expenses of attorneys and paralegals for the Agent).

10. Waivers. The Agent's failure, at any time or times hereafter, to require strict performance by any Grantor of any provision of this Agreement shall not waive, affect or diminish any right of the Agent thereafter to demand strict compliance and performance therewith nor shall any course of dealing between any Grantor and the Agent have such effect. No single or partial exercise of any right hereunder shall preclude any other or further exercise thereof or the exercise of any other right. None of the undertakings, agreements, warranties, covenants and representations of any Grantor contained in this Agreement shall be deemed to have been suspended or waived by the Agent unless such suspension or waiver is in writing signed by an officer of the Agent and directed to the applicable Grantor specifying such suspension or waiver.

11. Severability. Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under applicable law, but the provisions of this Agreement are severable. If any clause or provision shall be held invalid and unenforceable in whole or in part in any jurisdiction, then such invalidity or unenforceability shall affect only such clause or provision, or part hereof, in such jurisdiction, and shall not in any manner affect such clause or provision in any other jurisdiction, or any other clause or provision of this Agreement in any jurisdiction.

12. Modification. This Agreement cannot be altered, amended or modified in any way, except as specifically provided in paragraph 5 hereof or by a writing signed by the parties hereto.

13. Cumulative Remedies; Power of Attorney. Following the occurrence and during the continuance of a Default, each Grantor hereby irrevocably designates, constitutes and appoints the Agent (and all Persons designated by the Agent in its sole and absolute discretion) as such Grantor's true and lawful attorney-in-fact, and authorizes the Agent and any of the Agent's designees, in such Grantor's or the Agent's name, to take any action and execute any instrument which the Agent may deem necessary or advisable to accomplish the purposes of this Agreement, including, without limitation, after the giving by the Agent of written notice to such Grantor of the Agent's intention to enforce its rights and claims against such Grantor, to (i) endorse such Grantor's name on all applications, documents, papers and instruments necessary or otherwise desirable for the Agent in the use of the Trademarks or the Licenses, (ii) assign, pledge, convey or otherwise transfer title in or dispose of the Trademarks or the Licenses to anyone on commercially reasonable terms, (iii) grant or issue any exclusive or nonexclusive license under the Trademarks or, to the extent permitted, under the Licenses to anyone, on commercially reasonable terms, and (iv) take any other actions with respect to the Trademarks or the Licenses as the Agent deems in its own or the Holders of Secured Obligations' best interest. Each Grantor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney is coupled with an interest and shall be irrevocable until all of the Liabilities shall have been paid in full and the Credit Agreement and

the other Loan Documents shall have been terminated. Each Grantor acknowledges and agrees that this Agreement is not intended to limit or restrict in any way the rights and remedies of the Agent or the other Holders of Secured Obligations under the Pledge and Security Agreement, but rather is intended to facilitate the exercise of such rights and remedies.

The Agent shall have, in addition to all other rights and remedies given it by the terms of this Agreement, all rights and remedies allowed by law and the rights and remedies of a secured party under the Uniform Commercial Code as enacted in any jurisdiction in which the Trademarks or the Licenses may be located or deemed located. Upon the occurrence and during the continuance of a Default and the election by the Agent to exercise any of its remedies under the Uniform Commercial Code with respect to the Trademarks and Licenses, each Grantor agrees to assign, convey and otherwise transfer title in and to the Trademarks and the Licenses to the Agent or any transferee of the Agent and to execute and deliver to the Agent or any such transferee all such agreements, documents and instruments as may be necessary, in the Agent's sole discretion, to effect such assignment, conveyance and transfer. All of the Agent's rights and remedies with respect to the Trademarks and the Licenses, whether established hereby, by the Pledge and Security Agreement, by any other agreements or by law, shall be cumulative and may be exercised separately or concurrently. Notwithstanding anything set forth herein to the contrary, it is hereby expressly agreed that upon the occurrence and during the continuance of a Default, the Agent may exercise any of the rights and remedies provided in this Agreement, the Pledge and Security Agreement and any of the other Loan Documents. Each Grantor agrees that any notification of intended disposition of any of the Trademarks and Licenses required by law shall be deemed reasonably and properly given if given at least thirty (30) days before such disposition. Notwithstanding anything herein to the contrary, in no event shall the rights and remedies of the Agent, any Holder of Secured Obligations or any of their respective designees or representatives, granted hereunder or any other Loan Document, be construed to permit any such Person to take any action or fail to act in violation of any law or the terms and conditions of any License or other agreement or document covering any of the collateral granted to the Agent hereunder.

14. Successors and Assigns. This Agreement shall be binding upon each Grantor and its successors and assigns, and shall inure to the benefit of each of the Holders of Secured Obligations and their respective nominees, successors and assigns. Each Grantor's successors and assigns shall include, without limitation, a receiver, trustee or debtor-in-possession of or for such Grantor; provided, however, except as otherwise permitted by the Credit Agreement, that no Grantor shall voluntarily assign or transfer its rights or obligations hereunder without the Agent's prior written consent.

15. Governing Law. This Agreement shall be construed in accordance with the internal laws of the State of New York.

16. Notices. All notices or other communications hereunder shall be given in the manner and to the addresses set forth in the Credit Agreement and the Pledge and Security Agreement.

17. Section Titles. The section titles herein are for convenience of reference only, and shall not affect in any way the interpretation of any of the provisions hereof.

18. Execution in Counterparts. This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

19. Merger. This Agreement represents the final agreement of each Grantor and the Agent with respect to the matters contained herein and may not be contradicted by evidence of prior or contemporaneous agreements, or subsequent oral agreements, between any Grantor and the Agent or any Holder of Secured Obligations.

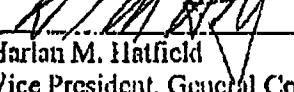
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IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

HEADWATERS INCORPORATED, as Grantor


By 
Name: Steven G. Stewart
Title: Chief Financial Officer

COVOL SERVICES CORPORATION,
HEADWATERS CLEAN COAL CORP.,
HEADWATERS HEAVY OIL, INC.,
HEADWATERS NANOKINETIX, INC.,
HEADWATERS OLYSUB CORPORATION,
HEADWATERS TECHNOLOGY INNOVATION
GROUP, INC.,
HTI CHEMICAL SUBSIDIARY, INC.
HYDROCARBON TECHNOLOGIES, INC.,
each as a Grantor

By 
Name: Harlan M. Hatfield
Title: Vice President, General Counsel and Secretary

Signature Page to Trademark Security Agreement


ACM GEORGIA, INC.,
AMERICAN CONSTRUCTION MATERIALS,
INC.,
GLOBAL CLIMATE RESERVE
CORPORATION,
ISG LIBERTY, INC.,
ISG RESOURCES, INC.,
BEST MASONRY & TOOL SUPPLY, INC.,
LEWIS W. OSBORNE, INC.,
UNITED TERRAZZO SUPPLY CO., INC.,
MAGNA WALL, INC.,
ISG MANUFACTURED PRODUCTS, INC.,
ISG PARTNER, INC.,
ISG SERVICES CORPORATION,
ISG SWIFT CRETE, INC.,
DON'S BUILDING SUPPLY, L.P.,
PALESTINE CONCRETE TILE COMPANY, L.P.,
each as a Grantor

By 
Name: Brett A. Hickman
Title: Senior Vice President, General Counsel and
Secretary

Signature Page to Trademark Security Agreement

Accepted and agreed to as of the day and year first
above written.

BANK ONE, NA, (MAIN OFFICE CHICAGO),
as Agent

By: 
Name: Tony C Nielsen
Title: First Vice President

Signature Page to Trademark Security Agreement

Schedule A
to
Trademark Security Agreement
Dated as of March 31, 2004
Trademarks
Trademarks and Service Mark Applications

**Schedule A to the
Trademark Security Agreement**

TRADEMARKS

<u>Grantor</u>	<u>Domain Name/Mark</u>	<u>Country</u>	<u>Reg. No.</u>	<u>Applic. No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
ISG Resources, Inc.	ASM	U.S.A.		76/523,926	06/19/03	
ISG Resources, Inc.	Enviropost	U.S.A.		76/489,194	02/10/03	
ISG Resources, Inc.	Pozzolanic & Design	U.S.A.	1,152,421			04/28/81
ISG Resources, Inc.	Pozzalime	U.S.A.	1,395,433			06/03/86
ISG Resources, Inc.	Gypcem	U.S.A.	1,402,656			07/22/86
ISG Resources, Inc.	Flexcrete	U.S.A.	1,448,523			07/21/87
ISG Resources, Inc.	Peanut Maker	U.S.A.	1,454,791			09/01/87
ISG Resources, Inc.	Powerlite	U.S.A.	1,601,725			06/19/90
ISG Resources, Inc.	Alsil	U.S.A.	1,744,157			01/05/93
ISG Resources, Inc.	Orbaloid	U.S.A.	1,248,044			08/16/83
ISG Resources, Inc.	Pozicon	U.S.A.	1,010,455			05/13/75
ISG Resources, Inc.	Power Wall	U.S.A.	1,264,266			01/17/84
ISG Resources, Inc.	Alka Phix	U.S.A.	2,039,031			02/18/97
ISG Resources, Inc.	Alka Phix Design	U.S.A.	2,341,611			04/11/00
ISG Resources, Inc.	Flo Fil	U.S.A.	1,911,817			08/15/95
ISG Resources, Inc.	Magna Wall	U.S.A.	2,160,040			05/26/98
ISG Resources, Inc.	C-Stone	U.S.A.	2,004,062			10/01/96
ISG Resources, Inc.	Swiftcrete	U.S.A.		Common Law		
ISG Resources, Inc.	Flexcrete	U.S.A.		Common Law		
ISG Resources, Inc.	Sta-Blend	Canada		1,049,269	03/03/00	
ISG Resources, Inc.	Flexcrete	Canada		1,111,764		
ISG Resources, Inc.	Trowel Master	U.S.A.	1,879,441 (trademark licensed from Polymerica, Inc.)			02/21/95

<u>Grantor</u>	<u>Domain Name/Mark</u>	<u>Country</u>	<u>Reg. No.</u>	<u>Applic. No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
Headwaters Incorporated	Covol	U.S.A.	2,038,742			02/18/97
Headwaters Incorporated	Headwaters	U.S.A.		78/018,501	07/26/00	
Headwaters Incorporated	Adding Value to Energy	U.S.A.	78195484			12/17/02
Hydrocarbon Technologies, Inc.	HTI	U.S.A.	2,162,357			06/02/98
Hydrocarbon Technologies, Inc.	Gel Cat	U.S.A.	2,460,753			06/19/01
Hydrocarbon Technologies, Inc.	Carborex	U.S.A.		78/118,491	03/29/02	
Hydrocarbon Technologies, Inc.	NxCat	U.S.A.	78253674			5/23/03
Hydrocarbon Technologies, Inc.	NxCat Next Generation Nanocatalyst Technology	U.S.A.	78253676			5/23/03
Hydrocarbon Technologies, Inc.	Nanokinetx	U.S.A.	78223846			3/10/03
Hydrocarbon Technologies, Inc.	Think Small...NxCat	U.S.A.	78253673			5/23/03

Schedule B
to
Trademark Security Agreement
Dated as of March 31, 2004
License Agreements

**Schedule B to the
Trademark Security Agreement**

LICENSE AGREEMENTS

(1) Headwaters Licenses

<i>Licensors</i>	<i>Licensee(s)</i>	<i>License</i>	<i>Term</i>
Headwaters	Adtech, Inc. / Carbontech	Coal Enhancement Licensing Agreement	
Headwaters	AJG Financial Services, Inc.	Agreement Concerning Additional Facilities	January 1, 2008 or the corresponding date under section 29 in the event of an extension.
Headwaters	Appalachian Synfuel, LLC	License Agreement	December 31, 2007 (licensee has the option extend until the earlier of 2015 or the expiration of the patents).
Headwaters	Clintwood Elkhorn Mining Company	Amended and Restated License and Reagent Purchase Agreement	The later of either December 31, 2007, the end of Section 29, or the expiration of the patents.
Headwaters	Coalescent Energy, LLC	Proprietary Reagent Supply Agreement	December 31, 2007 or expiration of Section 29.
Headwaters	Coaltech Utah Synfuel #1 LTD	License and Binder Supply Agreement	The later of December 31, 2007 or the end of Section 29 as it may be amended.
Headwaters	CoBon Energy, LLC Central City Synfuel, LLC	PBS Additional License Agreement; and Second Amended and Restated Sublicense Agreement and Binder Purchase and Sale Agreement	The later of December 31, 2007 or the extension period for Section 29.
Headwaters	DTE Buckeye, LLC	Proprietary Reagent Supply and License Agreement	December 31, 2007
Headwaters	DTE Clover, LLC	Proprietary Reagent Supply and License Agreement	December 31, 2007
Headwaters	DTE Energy Services, Inc.	Proprietary Binder Supply and License Agreement	
Headwaters	DTE Red Mountain, LLC	License and Binder Purchase Agreement	The later of either December 31, 2007, the end of Section 29, or the expiration of the patents.
Headwaters	DTE River Hill, LLC	License and Binder Purchase Agreement	The later of either December 31, 2007, the extension period for Section 29, or the expiration of the patents.

<i>Licensor</i>	<i>Licensee(s)</i>	<i>License</i>	<i>Term</i>
Headwaters	DTE Smith Branch, LLC	Amended and Restated Proprietary Reagent Supply and License Agreement	December 31, 2007
Headwaters	DTE Utah Synfuels, LLC	License and Binder Purchase Agreement	The later of either December 31, 2007, the full term of Section 29, or the expiration of the patents.
Headwaters	Environmental Technologies Group, LLC	Technology License and Reagent Supply Agreement	December 31, 2007 or until Section 29 ends.
Headwaters	Iris Energy, LLC	Proprietary Chemical Reagent Supply Agreement	Either the earlier or later of December 31, 2007 or until Section 29 expires.
Headwaters	Marriott International, Inc. (Birmingham)	License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension.
Headwaters	Marriott International, Inc. (Brookwood)	License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension.
Headwaters	Marriott International, Inc. (PC1 & PC2)	License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension.
Headwaters	PC Virginia Synthetic Fuel #1, LLC	Amended and Restated License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension, whichever is later.
Headwaters	PC West Virginia Synthetic Fuel #1, LLC	Amended and Restated License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension, whichever is later.
Headwaters	PC West Virginia Synthetic Fuel #2, LLC	Amended and Restated License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension, whichever is later.
Headwaters	PC West Virginia Synthetic Fuel #3, LLC	Amended and Restated License and Binder Purchase Agreement	January 1, 2008 or the corresponding date under section 29 in the event of an extension, whichever is later.
Headwaters	Pelletco Corporation	Amended and Restated License Agreement	To the earlier of December 31, 2015 or the expiration of the last patent.
Headwaters	Premier Elkhorn Coal Company	Amended and Restated License and Reagent Purchase Agreement	The later of either December 31, 2007, the end of Section 29, or the expiration of the patents.
Headwaters	RC Synfuel LLC	Technology License Agreement	December 31, 2007 or expiration of Section 29.
Headwaters	RC Synfuel LLC	Proprietary Reagent Supply Agreement	December 31, 2007 or expiration of Section 29.

(2) HTIG Licenses

<i>Licensor</i>	<i>Licensee</i>	<i>License</i>	<i>Term</i>
Alberta Research Council	Headwaters Technology Innovation Group, Inc.	License Agreement	March 31, 2007
Hydro Dynamics, Inc.	Headwaters Technology Innovation Group, Inc.	Technology License and Joint Development Agreement	June 11, 2007
Lyondell Chemical Company	Headwaters Technology Innovation Group, Inc.	Sublicense	March 3, 2015
Shenhua Group Corporation, Ltd.	Headwaters Technology Innovation Group, Inc.	License Agreement	Ongoing.
Zibo Taiguang Chemical	Headwaters Technology Innovation Group, Inc.	Technology License	Life of patents.

(3) ISG Licenses

<i>Licensor</i>	<i>Licensee</i>	<i>License</i>	<i>Term</i>
Dynastone, L.C.	ISG Resources, Inc.	License Agreement	Life of patent.
ISG Resources, Inc.	Midland Products, Inc.	Sublicense Agreement	Life of the patent.
ISG Resources, Inc.	Hansen Pipe & Products, Inc.	Sublicense Agreement	Life of patent.
Magna Wall, Inc.	Acrocrete, Inc.	License Agreement	April 6, 2009
Mainland Laboratory, Ltd.	ISG Resources, Inc.	License Agreement	Life of patent.
Thermoflex, Inc.	ISG Resources, Inc.	License Agreement	Life of the patent.
William D. Kirkpatrick Family Limited Partnership	ISG Resources, Inc.	License Agreement	Life of patent.

(4) Special Corporate Software Licenses

<i>Licensor</i>	<i>Licensee</i>	<i>License</i>	<i>Term</i>
CIS	ISG Resources, Inc.	Scale Management System (used for billing loads of flyash)	
Kampdata	ISG Resources, Inc.	Quantum Cargo (3 rd party module for Great Plains)	
Radss Technologies	ISG Resources, Inc.	Trainspotter Rail Tracking System and BOL (rail tracking software used by Transportation Dept.)	