

02-05-1999



100961167

MAD
2-3-99

RECORDATION FORM COVER SHEET
TRADEMARKS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
- Resubmission (Non-Recordation)
Document ID # _____
- Correction of PTO Error
Reel # _____ Frame # _____
- Corrective Document
Reel # _____ Frame # _____

Conveyance Type

- Assignment
- License
- Security Agreement
- Nunc Pro Tunc Assignment
- Merger
- Change of Name
- Other Amended and Restated Assignment of Security Interest in US Patents and Trademarks dated as of 2/1/99

Effective Date
Month Day Year
02011999

Conveying Party

Mark if additional names of conveying parties attached

Name GTS Duratek Bear Creek, Inc.

Execution Date
Month Day Year
01221999

Formerly f/k/a Scientific Ecology Group, Inc., The

- Individual
- General Partnership
- Limited Partnership
- Corporation
- Association
- Other _____
- Citizenship/State of Incorporation/Organization Tennessee

Receiving Party

Mark if additional names of receiving parties attached

Name First Union National Bank (f/k/a First Union National Bank of Maryland), as Collateral Agent

DBA/AKA/TA _____

Composed of _____

Address (line 1) One First Union Center, TW-10

Address (line 2) 301 S. College Street

Address (line 3) Charlotte

NC

28288

- Individual
- General Partnership
- Limited Partnership
- Corporation
- Association
- Other _____

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Citizenship/State of Incorporation/Organization national banking association

04/1999 JSHBAZZ 00000137 75391853

FOR OFFICE USE ONLY

1 FC:481 40.00 OP
02 FC:482 300.00 OP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments.

#

Trademark Application Number(s) or Registration Number(s)

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)

Registration Number(s)

Number of Properties Enter the total number of properties involved.

#

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41):

\$

Method of Payment: Enclosed Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Tracy N. Stouse

Tracy N. Stouse

2/2/99

Name of Person Signing

Signature

Date Signed

**RECORDATION FORM COVER SHEET
CONTINUATION
TRADEMARKS ONLY**

FORM PTO-1618C
Expires 06/30/99
OMB 0651-0027

U.S. Department of Commerce
Patent and Trademark Office
TRADEMARK

Conveying Party

Enter Additional Conveying Party

Mark if additional names of conveying parties attached

Execution Date
Month Day Year

Name

Formerly

Individual General Partnership Limited Partnership Corporation Association

Other

Citizenship State of Incorporation/Organization

Receiving Party

Enter Additional Receiving Party

Mark if additional names of receiving parties attached

Name

DBA/AKA/TA

Composed of

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Individual General Partnership Limited Partnership

Corporation Association

Other

Citizenship/State of Incorporation/Organization

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached (Designation must be a separate document from the Assignment.)

Trademark Application Number(s) or Registration Number(s)

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)

Registration Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

1,991,307	2,131,868	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

**AMENDED AND RESTATED ASSIGNMENT OF SECURITY INTEREST
IN UNITED STATES PATENTS AND TRADEMARKS**

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, GTS DURATEK BEAR CREEK, INC.,(f/k/a The Scientific Ecology Group, Inc.) a Tennessee corporation (the "Assignor"), having its chief executive office at 10100 Old Columbia Road, Columbia, Maryland 21046, hereby assigns and grants to FIRST UNION NATIONAL BANK (f/k/a First Union National Bank of Maryland), a national banking association, as Collateral Agent (the "Assignee"), with offices at 301 South College Street, 4th Floor, Charlotte, North Carolina 28288-0735, a security interest in all of the Assignor's right, title and interest in, to and under the following (all of the following items or types or property being herein collectively referred to as the "Patent and Trademark Collateral"), whether presently existing or hereafter arising or acquired:

(i) each Patent and Patent application of the Assignor, including each Patent and Patent application referred to on Schedule A hereto;

(ii) each Trademark, Trademark registration and Trademark application, and all of the goodwill of the business connected with the use of, and symbolized by, each Trademark, Trademark registration and Trademark application of the Assignor, including each Trademark, Trademark Registration and Trademark Application referred to in Schedule B hereto; and

(iii) all products and proceeds of the foregoing, including any claim by the Assignor against third parties for past, present or future infringement of any Patent, or past, present or future infringement or dilution of any Trademark or Trademark registration, including any Patent or Trademark listed on Schedule A or Schedule B hereto, applicable, or under any Patent or Trademark licensed under any Patent License or Trademark License, including any such License listed on Schedule A or Schedule B hereto, as applicable, or for injury to the goodwill associated with any Trademark, Trademark registration or Trademark License.

THIS ASSIGNMENT amends and restates that certain Assignment of Security Interest in United States Patents and Trademarks dated April 17, 1997 made by the Assignor in favor of the Assignee and shall have an effective date as of February 1, 1999.

THIS ASSIGNMENT is granted in conjunction with the security interests granted to the Assignee pursuant to the Amended and Restated Security Agreement among the Assignor and the Assignee dated as February 1, 1999, as amended, supplemented or modified from time to time (the "Security Agreement"). Capitalized terms not otherwise defined herein shall have the meaning assigned thereto in the Security Agreement.

THIS ASSIGNMENT has been granted in conjunction with the security interest granted to the Assignee under the Security Agreement. The rights and remedies of the Assignee with

1645639.03
LIB: CH

**TRADEMARK
REEL: 1848 FRAME: 0929**

respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Assignment are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

[SIGNATURE PAGES FOLLOWS]

IN WITNESS WHEREOF, the undersigned have executed this Assignment as of the 20th day of January, 1999.

GTS DURATEK BEAR CREEK, INC.
(f/k/a The Scientific Ecology Group, Inc.),
as Assignor

By: Craig T. Bartlett
Name: Craig T. Bartlett
Title: Treasurer

STATE OF Maryland

COUNTY OF Howard

The foregoing instrument was acknowledged before me this 20th day of January, 1999 by Craig T. Bartlett, as Treasurer of GTS DURATEK BEAR CREEK, INC., a Tennessee corporation, on behalf of GTS DURATEK BEAR CREEK, INC.

[NOTARY SEAL]

Allen J. Stevenson
Notary Public

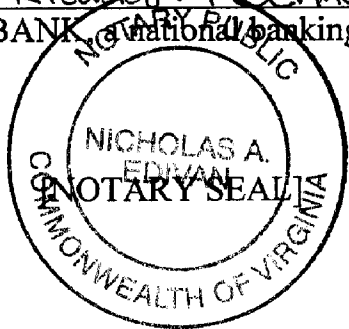
My commission expires: July 01, 2002

FIRST UNION NATIONAL BANK
(f/k/a First Union National Bank of Maryland),
as Assignee

By: Richard M Schmersal
Name: Richard M Schmersal
Title: Vice President

STATE OF Virginia
COUNTY OF Fairfax

The foregoing instrument was acknowledged before me this 28th day of January, 1999 by Richard M Schmersal as Vice President of FIRST UNION NATIONAL BANK, a national banking association, on behalf of FIRST UNION NATIONAL BANK.



[Signature]
Notary Public

My commission expires: _____

My Comm. Exps.
Dec. 31, 1999

SCHEDULE A

PATENTS

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Method and system for removal of harmful heteroatoms in gaseous waste streams	5,582,800	12/10/96
Article made out of radioactive or hazardous waste and a method of making the same	5,545,796	08/13/96
System for steam-reforming of liquid or slurry feed material	5,470,544	11/28/95
Method and system for detoxifying solid waste	5,427,738	06/27/95
Method and apparatus for the solidification of radioactive wastes and products produced thereby	5,416,251	05/16/95
Very high temperature heat exchanger	5,322,116	06/21/94
Process for reactivating particulate adsorbents	5,292,695	03/08/94
Hazardous waste reactor system	4,874,587	10/17/89
Autoclave for hazardous waste	4,863,702	09/05/89
Remotely controlled multishaped container compacting press	4,685,391	08/11/87
Electrochemical decontamination of radioactive metals by alkaline processing	5,439,562	08/08/95
Process for the remediation of contaminated particulate materials	5,436,384	07/25/95
Storage module for nuclear waste with improved liner	5,431,295	07/11/95
Open frozen barrier flow control and remediation of hazardous soil	5,416,257	05/16/95

Waste containment composite	5,402,455	03/28/95
Method for treatment of waste sand	5,372,650	12/13/94
Solution decontamination method using precipitation techniques	5,370,827	12/06/94
Modified mineral jig	5,361,910	11/08/94
Solution decontamination method using precipitation and flocculation techniques	5,330,658	07/19/94
Semiconductor memory device comprising a plurality of memory arrays with improved peripheral circuit location and interconnection arrangement	5,361,223	11/01/94
Method for decontaminating soil containing resins	5,300,258	04/05/94
Surfactant recovery process	5,294,310	03/15/94
Treatment of radioactive wastes	5,288,435	02/22/94
Method and apparatus for cleaning contaminated particulate material	5,268,128	12/07/93
Bench scale treatability method for evaluation of soil washing	5,266,494	11/30/93
Decontamination of radioactive metals	5,262,019	11/16/93
Method of restoring contaminated solids using ion exchange powder contact	5,242,503	09/07/93
Transition metal decontamination process	5,217,585	06/08/93
Decontamination of radioactive metals	5,183,541	02/02/93
Decontamination of radioactive metals	5,156,722	10/20/92
Method and apparatus for cleaning contaminated particulate materials	5,128,068	07/07/92
Contaminated soil restoration method	5,045,240	09/03/91

Side loading vault system and method for the disposal of radioactive waste	4,955,983	09/11/90
Closed loop system and method for cleaning articles with a volatile cleaning solvent	4,955,403	09/11/90
Granular fill material for nuclear waste containing modules	4,950,426	08/21/90
Inspectable vault system for the disposal of radioactive waste having a liquid collection system	4,950,105	08/21/90
Nuclear waste packing module	4,845,372	07/04/89
Electrolytic decontamination apparatus and encapsulation process	4,792,385	12/20/88
Nuclear waste disposal site	4,784,802	11/15/88
Diagnostic whole body counter	4,760,260	07/26/88
Container for the storage, transportation and ultimate disposal of low level nuclear wastes	4,633,091	12/30/86
Permanent disposal of radioactive particulate waste in cartridge containing ferromagnetic material	4,623,510	11/18/86
Permanent disposal of radioactive particulate waste	4,783,799	04/19/88
Article made out of radioactive or hazardous waste and a method of making the same	5,789,648	08/04/98
Method and system for suppression of foam of waste streams	5,672,278	09/30/97
Process for recovering organic solvents and contaminants from soap liquors	5,244,575	9/14/93
Electrowinning electrode, cell and process	5,837,122	11/17/98
Method for detecting hydrogen in waste compounds	5,831,143	11/03/98

Process for solidification and immobilization of harmful waste species	5,640,704	06/17/97
Method for remediating soil containing radioactive contaminants	5,640,701	06/17/97
Metal decontamination process and systems for accomplishing same	5,724,669	03/03/98

PATENT APPLICATIONS

<u>Title</u>	<u>Application No.</u>
	08/732,558
	08/506,057
	07/997,076

SCHEDULE B

TRADEMARKS

REGISTRATION NOS.

HYDRO NUCLEAR SERVICES and Design	1,293,274
SEG	1,706,237
SEG	1,881,616
SEG-CI CERTIFIED INCINERABLE	1,889,501
SEG-CI CERTIFIED INCINERABLE	1,928,134
SEG and Design	1,995,391
SEG and Design	1,991,310
SEG and Design	1,991,309
SEG and Design	1,991,308
SEG and Design	1,991,307
SEG and Design (with SEG name)	2,131,868

TRADEMARK APPLICATION

APPLICATION NO.

SGS	75\391,853
Specialized Generator Services	75\391,852