

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4034324

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STRATA PRODUCTS WORLDWIDE, LLC	08/08/2014
STRATA PROXIMITY SYSTEMS, LLC	08/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE HUNTINGTON NATIONAL BANK
<b>Street Address:</b>	201 HIGH STREET
<b>City:</b>	MORGANTOWN
<b>State/Country:</b>	WEST VIRGINIA
<b>Postal Code:</b>	26505
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14840412
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(614)227-2100
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6142272026
<b>Email:</b>	ipdocket@porterwright.com
<b>Correspondent Name:</b>	PORTER, WRIGHT, MORRIS & ARTHUR, LLP
<b>Address Line 1:</b>	41 SOUTH HIGH STREET
<b>Address Line 2:</b>	SUITES 2800-3200
<b>Address Line 4:</b>	COLUMBUS, OHIO 43215
<b>ATTORNEY DOCKET NUMBER:</b>	0266900-198512
<b>NAME OF SUBMITTER:</b>	RICHARD M. MESCHER
<b>SIGNATURE:</b>	/richard m. mescher/
<b>DATE SIGNED:</b>	09/01/2016
<b>Total Attachments: 16</b>	
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**SHORT FORM PATENT SECURITY AGREEMENT**, dated as of August 8, 2014, by STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company, STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company (together, the "Borrowers" and separately, a "Borrower"), each of the entities listed on the signature pages hereof as grantors or that becomes a party hereto pursuant to Section 7.10 (Additional Grantors) of the Security Agreement referred to below (each a "Grantor" and, collectively, the "Grantors") in favor of THE HUNTINGTON NATIONAL BANK (in such capacity, together with its successors in such capacity, the "Administrative Agent") for the Secured Parties (as defined in the Security Agreement referred to below).

**WITNESSETH:**

WHEREAS, pursuant to the Credit Agreement of even date herewith (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrowers, the Administrative Agent, and the loan parties and institutions from time to time party to the Credit Agreement, certain Secured Parties have agreed to make extensions of credit to the Borrowers upon the terms and subject to the conditions set forth therein; and

WHEREAS, all the Grantors are party to a Security Agreement of even date herewith in favor of the Administrative Agent (the "Security Agreement") pursuant to which the Grantors are required to execute and deliver this Short Form Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Credit Parties and the Administrative Agent to enter into the Credit Agreement and to make their respective extensions of credit to the Borrowers thereunder, each Grantor hereby agrees with the Administrative Agent as follows:

***Section 1. Defined Terms***

Unless otherwise defined herein, terms defined in the Credit Agreement or in the Security Agreement and used herein have the meanings given to them in the Credit Agreement or the Security Agreement.

***Section 2. Grant of Security Interest in Patent Collateral***

Each Grantor, as collateral security for the full, prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations, hereby collaterally assigns, conveys, mortgages, pledges, hypothecates and transfers to the Administrative Agent for the benefit of the Secured Parties, and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of such Grantor (the "Patent Collateral"):

(a) all of its Patents and Patent Licenses to which it is a party, including, without limitation, (x) the Patents registered in the United States referred to on Schedule I hereto and (y) the portion of the Patent Licenses (for which a Grantor is a licensee) that are Material Intellectual Property referred to on Schedule I hereto;

(b) all reissues, continuations or extensions of the foregoing; and

(c) all Proceeds of the foregoing, including, without limitation, any claim by such Grantor against third parties for past, present or future infringement or dilution of any Patent or any Patent licensed under any Patent License.

***Section 3. Security Agreement***

The security interest granted pursuant to this Short Form Patent Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Security Agreement and each Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

[SIGNATURE PAGES FOLLOW]


IN WITNESS WHEREOF, each Grantor has caused this Short Form Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

STRATA PRODUCTS WORLDWIDE, LLC,  
a Delaware limited liability company

By:   
Peter Irby, Treasurer, Secretary and  
Chief Financial Officer


STRATA PROXIMITY SYSTEMS, LLC,  
a Delaware limited liability company

By:   
Peter Irby, Secretary and Treasurer

STRATA WORLDWIDE HOLDINGS, INC.,  
a Delaware corporation

By: \_\_\_\_\_  
Jason Reed, Treasurer and Secretary

STRATA FOAM PRODUCTS LLC,  
a Delaware limited liability company

By: Strata Products Worldwide, LLC, its sole  
member  
By:   
Peter Irby, Treasurer, Secretary and  
Chief Financial Officer

STRATA MINE SERVICES, LLC,  
a Delaware limited liability company

By:   
Peter Irby, Secretary and Treasurer

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

IN WITNESS WHEREOF, each Grantor has caused this Short Form Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

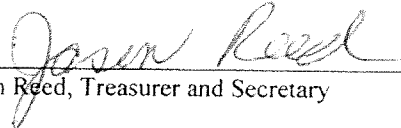
STRATA PRODUCTS WORLDWIDE, LLC,  
a Delaware limited liability company

By: \_\_\_\_\_  
Peter Irby, Treasurer, Secretary and  
Chief Financial Officer

STRATA PROXIMITY SYSTEMS, LLC,  
a Delaware limited liability company

By: \_\_\_\_\_  
Peter Irby, Secretary and Treasurer

STRATA WORLDWIDE HOLDINGS, INC.,  
a Delaware corporation

By: \_\_\_\_\_  
Jason Reed, Treasurer and Secretary

STRATA FOAM PRODUCTS LLC,  
a Delaware limited liability company

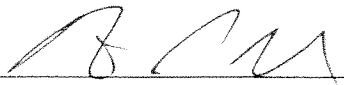
By: \_\_\_\_\_  
Peter Irby, Treasurer, Secretary and  
Chief Financial Officer

STRATA MINE SERVICES, LLC,  
a Delaware limited liability company


By: \_\_\_\_\_  
Peter Irby, Secretary and Treasurer

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

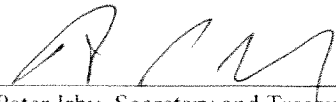
STRATA PRODUCTS CHINA, LLC,  
a Delaware limited liability company

By:   
Peter Irby, Secretary and Treasurer

STRATA PRODUCTS (USA), LLC,  
a Delaware limited liability company

By:   
Peter Irby, Secretary and Treasurer

STRATA SAFETY PRODUCTS, LLC,  
a Georgia limited liability company

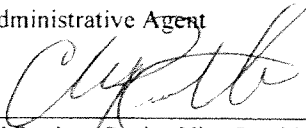
By:   
Peter Irby, Secretary and Treasurer

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

ACCEPTED AND AGREED  
as of the date first above written:

THE HUNTINGTON NATIONAL BANK,  
as the Administrative Agent

By: \_\_\_\_\_

  
Chad Prather, Senior Vice President

[SIGNATURE PAGE TO SHORT FORM PATENT SECURITY AGREEMENT]

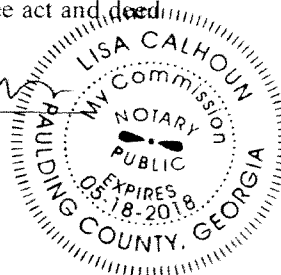


ACKNOWLEDGEMENT OF GRANTORS

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>TH</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

Lisa Calhoun  
Notary Public



STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>TH</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

Lisa Calhoun  
Notary Public



STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of August, 2014, before me personally appeared Jason Reed, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA WORLDWIDE HOLDINGS, INC., a Delaware corporation, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

\_\_\_\_\_  
Notary Public

[ACKNOWLEDGEMENT OF GRANTORS FOR SHORT FORM PATENT SECURITY AGREEMENT]

ACKNOWLEDGEMENT OF GRANTORS

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PRODUCTS WORLDWIDE, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

\_\_\_\_\_  
Notary Public

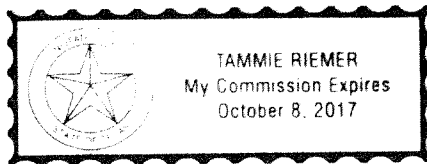
STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PROXIMITY SYSTEMS, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

\_\_\_\_\_  
Notary Public

STATE OF TEXAS )  
 ) ss.  
COUNTY OF DALLAS )

On this 8 day of August, 2014, before me personally appeared Jason Reed, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA WORLDWIDE HOLDINGS, INC., a Delaware corporation, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.



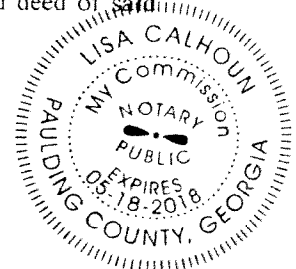
Tammie Riemer  
Notary Public

[ACKNOWLEDGEMENT OF GRANTORS FOR SHORT FORM PATENT SECURITY AGREEMENT]

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>TH</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA FOAM PRODUCTS LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

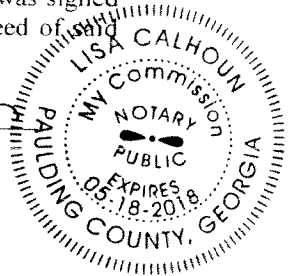
Lisa Calhoun  
Notary Public



STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>TH</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA MINE SERVICES, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

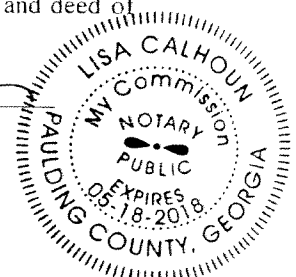
Lisa Calhoun  
Notary Public



STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>TH</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PRODUCTS CHINA, LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

Lisa Calhoun  
Notary Public

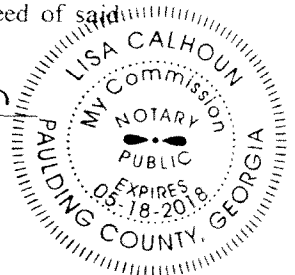


[ACKNOWLEDGEMENT OF GRANTORS FOR SHORT FORM PATENT SECURITY AGREEMENT]

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>th</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA PRODUCTS (USA), LLC, a Delaware limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

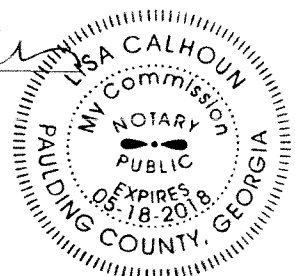
Lisa Calhoun  
Notary Public



STATE OF GEORGIA )  
 ) ss.  
COUNTY OF FULTON )

On this 8<sup>th</sup> day of August, 2014, before me personally appeared Peter Irby, proved to me on the basis of satisfactory evidence to be the person who executed the foregoing instrument on behalf of STRATA SAFETY PRODUCTS, LLC, a Georgia limited liability company, who being by me duly sworn did depose and say that he is an authorized representative of said entity, that said instrument was signed on behalf of said entity and that he acknowledged said instrument to be the free act and deed of said entity.

Lisa Calhoun  
Notary Public



[ACKNOWLEDGEMENT OF GRANTORS FOR SHORT FORM PATENT SECURITY AGREEMENT]

**SCHEDULE I**  
**TO**  
**SHORT FORM PATENT SECURITY AGREEMENT**

***Patent Registrations***

**A. U.S. REGISTERED PATENTS**

<b><u>Title of Patent</u></b>	<b><u>Patent Number</u></b>	<b><u>Issue Date</u></b>
Safety System for Mining Equipment	7,420,471	9/2/08
Interactive Magnetic Marker Field for Safety Systems and Complex Proximity Warning System	8,232,888	7/31/12
Electromagnetic Field Adjustment for Proximity Detection	8,169,335	5/1/12
Proximity Detection Systems and Method for Internal Traffic Control	8,552,882	10/8/13
Proximity Warning System with Silent Zones	8,446,277	5/21/13
Non-Directional Magnet Based Proximity Receiver with Multiple Warning and Machine Shutdown Capability	6,810,353	10/26/04
Personal Alarm Device for Headwear for Proximity	8,710,979	4/29/14
Mine Roof Support Crib Having Only Two or Three Planes, and Method	6,352,392	3/5/02
Positioning Cradle for Mine Roof Supports	6,612,803	9/2/03
Mine Support Cribs	5,746,547	5/5/98
Apparatus, System and Method for Cleaning Air	8,506,681 B2	8/13/13
Modular Shelter and Method	8,695,285	4/15/14

**B. U.S. PATENT APPLICATIONS**

<b><u>Title of Patent</u></b>	<b><u>Application Number</u></b>	<b><u>Filing Date</u></b>
Proximity Detection System	13/538,156	6/29/12
Proximity Detection Systems and Method for Internal Traffic Control	14/032,752	9/20/13

<b><u>Title of Patent</u></b>	<b><u>Application Number</u></b>	<b><u>Filing Date</u></b>
Proximity Warning System with Silent Zones	13/897,860	5/20/13
Proximity Detection System With Concurrent RF and Magnetic Fields	13/568,674	8/7/12
Integrated Alarm Device	14/024,661	9/12/13
METHOD AND APPARATUS FOR PROTECTING A MINER	14/325,028	7/7/14
GAS MONITOR, SYSTEM AND METHOD	61/887,768	10/7/13
Lite Mine Roof Support Crib and Method	13/065,152	3/15/11
Yieldable Support Prop and Method	13/317,720	10/26/11
Apparatus, System and Method for Cleaning Air	13/959,497	8/5/13
Air Conditioner for Refuge Shelter, System and Method	13/900,236	5/22/13
Refuge Chamber and Method	13/460,252	4/30/12
Method, Controller and System for Tunnel Communication	13/743,947	1/17/13
Refuge Shelter, Coupling and Method	14/242,502	4/1/14
Change Over Station and Method	14/276,699	5/13/14
Mine WiFi and Method	14/290,755	5/29/14
C-Channel Panel, Overcast, Stopping And Method	13/861,054	4/11/13
Mine Escape Self-Rescuer System And Method	14/242,362	4/1/14

C. U.S. PATENT LICENSES

<b><u>Title of Patent</u></b>	<b><u>Patent Number</u></b>	<b><u>Patent Holder</u></b>
Delivery System for Carbon Dioxide Absorption Material	6,699,309	Battelle Memorial Institute
Seismic Communication Device	7,843,768	VMI Foundation, Inc.
Mine Ventilation Structure	5,879,231	Frank Sisk
Steel Anchored Reinforced Mine Seal	8,485,873	Frank Sisk
Inflatable shelter for Use in Hostile Environment	7,941,974	Zumro, Inc. and ChemBioShelter, Inc.

COLUMBUS/1731978v 1

Supplemental Schedule

**SCHEDULE I**  
**TO**  
**SHORT FORM PATENT SECURITY AGREEMENT**

***Patent Registrations***

**A. U.S. REGISTERED PATENTS**

<b><u>Grantor</u></b>	<b><u>Title of Patent</u></b>	<b><u>Patent Number</u></b>	<b><u>Issue Date</u></b>
Strata Proximity Systems, LLC	Safety System for Mining Equipment	7,420,471	9/2/08
Strata Proximity Systems, LLC	Interactive Magnetic Marker Field for Safety Systems and Complex Proximity Warning System	8,232,888	7/31/12
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Strata Proximity Systems, LLC	Proximity Detection Systems and Method for Internal Traffic Control	8,552,882	10/8/13
Strata Proximity Systems, LLC	Proximity Warning System with Silent Zones	8,446,277	5/21/13
Strata Proximity Systems, LLC	Non-Directional Magnet Based Proximity Receiver with Multiple Warning and Machine Shutdown Capability	6,810,353	10/26/04
Strata Proximity Systems, LLC	Personal Alarm Device for Headwear for Proximity	8,710,979	4/29/14
Strata Products Worldwide, LLC	Mine Roof Support Crib Having Only Two or Three Planes, and Method	6,352,392	3/5/02
Strata Products Worldwide, LLC	Positioning Cradle for Mine Roof Supports	6,612,803	9/2/03
Strata Products Worldwide, LLC	Mine Support Cribs	5,746,547	5/5/98
Strata Products Worldwide, LLC	Apparatus, System and Method for Cleaning Air	8,506,681 B2	8/13/13
Strata Products Worldwide, LLC	Modular Shelter and Method	8,695,285	4/15/14
Strata Products Worldwide, LLC	Refuge Chamber and Method	8,794,711	8/5/14



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<b><u>Grantor</u></b>	<b><u>Title of Patent</u></b>	<b><u>Application Number</u></b>	<b><u>Filing Date</u></b>
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Strata Proximity Systems, LLC	Proximity Warning System with Silent Zones	13/897,860	5/20/13
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Strata Proximity Systems, LLC	Integrated Alarm Device	14/024,661	9/12/13
Strata Products Worldwide, LLC	METHOD AND APPARATUS FOR PROTECTING A MINER	14/325,028	7/7/14
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Strata Products Worldwide, LLC	Mine WiFi and Method	14/290,755	5/29/14
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Strata Products Worldwide, LLC	Mine Escape Self-Rescuer System And Method	14/242,362	4/1/14

C. U.S. PATENT LICENSES

<b><u>Grantor</u></b>	<b><u>Title of Patent</u></b>	<b><u>Patent Number</u></b>	<b><u>Patent Holder</u></b>
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Strata Products Worldwide, LLC	Seismic Communication Device	7,843,768	VMI Foundation, Inc.
Strata Mine Services, LLC	Mine Ventilation Structure	5,879,231	Frank Sisk
Strata Mine Services, LLC	Steel Anchored Reinforced Mine Seal	8,485,873	Frank Sisk
Strata Products Worldwide, LLC and Strata Safety Products, LLC	Inflatable shelter for Use in Hostile Environment	7,941,974	Zumro, Inc. and ChemBioShelter, Inc.