

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4079969

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LUCAS M. ANGELETTE	12/15/2014
PAUL BEAUMONT	03/21/2016
OAK RIDGE ASSOCIATED UNIVERSITIES	09/08/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC
<b>Street Address:</b>	BUILDING 773-41A, ROOM 227
<b>City:</b>	AIKEN
<b>State/Country:</b>	SOUTH CAROLINA
<b>Postal Code:</b>	29808
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15252805
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
<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>	864-271-1592
<b>Email:</b>	DOCKETING@DORITY-MANNING.COM, bfowler@dority-manning.com
<b>Correspondent Name:</b>	DORITY & MANNING, P.A.
<b>Address Line 1:</b>	POST OFFICE BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602-1449
<b>ATTORNEY DOCKET NUMBER:</b>	SRNS-103 (SRS-16-018)
<b>NAME OF SUBMITTER:</b>	CHRISTINA L. MANGELSEN
<b>SIGNATURE:</b>	/christina l. mangelsen-50244/
<b>DATE SIGNED:</b>	10/03/2016
<b>Total Attachments: 14</b>	
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source=SRNS-103\_IP\_Assignment\_Agreement\_w-ORAU\_7-14-16#page2.tif

**AGREEMENT COVERING  
DISCOVERIES, INVENTIONS, DATA, AND COPYRIGHTS**

THIS AGREEMENT made between me, whose signature is affixed at the end of this document, and Oak Ridge Associated Universities, Inc., a Tennessee not-for-profit corporation (hereinafter called the "Corporation"). The Corporation has developed and uses technical and non-technical information vital to the success of its business, and in conjunction with work it undertakes with other companies. Generally, employees of the Corporation become acquainted with this information and, depending on job assignments and responsibilities, may contribute to it either through inventions, discoveries or improvements, or through studies, analyses, proposals, business plans or otherwise. Therefore, it is necessary for the Corporation to protect certain of this technical and non-technical information generated by its employees by holding it as proprietary and confidential, or by obtaining statutory protection (patents, trademarks, copyrights) or common law protection (trade secrets).

In consideration of my engagement and/or employment by the Corporation, and the salary, wages or other remuneration paid to me during such engagement and/or employment, I do hereby agree as follows:

**A. Proprietary Information:**

1. I shall not, except as authorized by the Corporation, at any time during or after my employment, directly or indirectly, disclose to any other person or entity any proprietary technical information of the Corporation or of others (collectively referred to hereinafter as "Proprietary Technical Information") which has come into my possession in the course of employment with the Corporation; and I shall not use any such Proprietary Technical Information for my personal use or advantage, or make it available to others. "Technical Information" includes information such as, for example and without limitation, compositions, formulas, products, processes, methods, systems, designs, specifications, testing or evaluation procedures, machines, manufacturing procedures, production techniques, research and development activities, inventions, discoveries, and improvements.
2. I shall not, except as authorized by the Corporation, at any time during and for seven (7) years after my employment, directly or indirectly, disclose to any other person or entity any proprietary non-technical information of the Corporation or others (collectively referred to hereinafter as "Proprietary Non-Technical Information"), which has come into my possession in the course of my employment with the Corporation; and I shall not use any such Proprietary Non-Technical Information for my personal use or advantage, or make it available to others. Non-technical information includes existing and contemplated business, marketing and financial information such as, for example and without limitation, business plans and methods, marketing information, cost estimates, forecasts, financial data, bid and proposal information, customer identification, and sources of supply.
3. All information regarding Corporation business, both technical and non-technical, in whatever form, including but not limited to text, drawings, or computer software programs, is presumed to be proprietary and confidential until it becomes public information lawfully and without breach of confidential obligation.

**B. Inventions, Discoveries, and Improvements:**

In the event I make any inventions, discoveries or improvements, or develop any copyrightable work during the course of my work, I agree to disclose promptly and fully to the Corporation all inventions, discoveries, improvements, whether patentable or not, or any copyrightable works of authorship, that have been or may be conceived or made by me, solely or jointly with others, during the period of my employment with the Corporation, whether occurring at the Corporation or assigned to another entity in the course of my employment with the Corporation: (a) which are along the lines of or relate to the business, work or investigations of the Corporation or of any company with which it is affiliated at the time of such inventions, discoveries, improvements or copyrightable works; or (b) which result from or arise out of any work that I may do for or on behalf of the Corporation or of others that may have been disclosed or otherwise made available to me as a result of duties assigned to me by the Corporation. All of these inventions, discoveries, improvements, or copyrightable works of authorship shall be the sole and exclusive property of the Corporation, and I hereby assign to the Corporation all of my right, title and interest therein. In order that public disclosure of inventions, discoveries or improvements will not adversely affect the patent interests of the Corporation, I will secure approval from the Corporation for release or disclosure of any information concerning such inventions, discoveries or improvements prior to such release or public disclosure.

**B. Execution of Documents:**

I also agree to execute assignments to the Corporation or its assigns, nominees, or successors of all my right, title or interest to: (a) any and all discoveries, inventions, improvements, or copyrightable works of authorship described in paragraph B above; (b) any and all patent applications therefore; (c) all priority rights acquired under the International Convention for Protection of Industrial Property by filing such applications; and (d) all patents that may be granted therefore throughout the world. I further agree during and after my employment to sign all lawful papers and otherwise assist without charge in every lawful way the Corporation and its assigns, nominees, or successors at its or their request to obtain and sustain such patents for its benefit in any and all countries.

**C. Copyrightable Works Produced Under Funding From the United States Government:**

If any copyright is obtained on copyrightable material first produced or composed in the course of or under this agreement, and the copyrightable work was undertaken pursuant to funding received under contract with the United States, and absent any agreement to the contrary, I or the Corporation will obtain for or grant to the U.S. Government and to its officers, agents, servants, employees and others acting on its behalf, who are acting within the scope of their official duties, a royalty-free, non-exclusive, irrevocable license on behalf of the Government to reproduce, prepare derivative works, and perform and display publicly said copyrightable material.

**D. Records and Documents:**

All drawings, designs, computer software, specifications, technical, scientific, and medical records; data and memoranda of every description relating to or containing Proprietary Information as defined above, and which are prepared or created by me or which may come into my possession during my employment, are deemed to be the property of the Corporation, and the Corporation shall have the right to use and disseminate, and authorize others so to do, any and all of said above materials and information without any claim on my behalf. Upon termination of my employment, I agree to leave all such records, documents and writings, and all copies thereof, with the Corporation.

**E. Notice of Rights Under State Statute:**

No provision in the Agreement is intended to require assignment of any of my rights in an invention for which no equipment, supplies, facilities, or trade secret information of the Corporation was used, and which was developed entirely on my own time; and (1) which does not relate to the business of the Corporation or to the actual or demonstrably anticipated research or development of the Corporation; or (2) which does not result from any work performed by me for the Corporation.

**F. Legally Binding Agreement:**

This Agreement shall be binding upon me, my heirs, assigns, executors, or other legal representatives, and shall be binding upon and inure to the benefit of the Corporation, its assigns, nominees, or successors; however, neither this Agreement nor any provision thereof shall be construed to be an employment agreement. I agree that, either during or after my employment, the Corporation may advise others of the existence of the Agreement and the provisions of all or any part thereof.

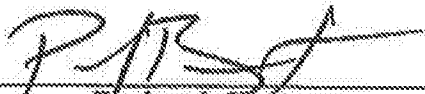
**G. Prior Inventions:**

Listed and briefly described on the reverse side are all inventions not previously assigned to my previous employers, and which I conceived and made prior to my employment with the Corporation. Such listed inventions are not included under this Agreement, I agree to notify the Corporation promptly in writing if their actual or projected use comes to my attention.

**H. Fraud, Waste and Abuse Disclosures:**

Nothing in this agreement shall be construed as restricting an employee from lawfully reporting fraud, waste, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information.

EMPLOYEE

  
Employee's Signature

Paul Braumont  
Employee's Name (printed or typed)

03/21/16  
Date

WITNESS

  
Witness's Signature

Natalie D. Ferguson  
Witness's Name (printed or typed)

03/21/16  
Date

**INTELLECTUAL PROPERTY AGREEMENT**

THIS AGREEMENT is by and between Oak Ridge Associated Universities (hereinafter "ORAU"), the not-for-profit contractor of the Department of Energy's (hereinafter "DOE") Oak Ridge Institute for Science and Education (hereinafter "ORISE") under Prime Contract DE-AC05-06OR23100, and Savannah River Nuclear Solutions, LLC (hereinafter "SRNS") a limited liability company which manages and operates as Contractor the Department of Energy's (DOE) Savannah River Site (hereinafter "SRS") and Savannah River National Laboratory (hereinafter "SRNL") under Prime Contract DE-AC09-08SR22470.

IT IS RECOGNIZED THAT:

Whereas, SRNS, under its Prime Contract with DOE, is directed to transfer technology, including inventions and copyrightable subject matter (hereinafter "Intellectual Property") and knowledge acquired in performing under its Prime Contract, in order to benefit U.S. industry;

Whereas, ORAU, in addition to its own programs and specific projects at ORISE, provides training and professional and practical job experience for its employees by temporarily assigning such employees to SRNS, where the employees take part in SRNS's research and development efforts (including Cooperative Research and Development Agreements or Work for Others Agreements) at DOE's SRNL;

Whereas, such employee work assignments mutually benefit both ORAU and SRNS in that they greatly expand the training and practical experience opportunities for ORAU employees while providing a source of talented individuals to participate in SRNS's research and development efforts;

Whereas, ORAU employees may make, create or author Intellectual Property while assigned to perform work at SRNS;

Whereas, under its Prime Contract with DOE, ORAU has the right to elect to retain title to such inventions and to request permission to copyright in the case of copyrightable works of its employees;

Whereas, ORAU employees may generate or be given access to Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties while assigned to perform work for SRNS; and,

Whereas, both ORAU and SRNS agree that technology transfer and other equity considerations favor the eventual assignment of ORAU's rights in such Intellectual Property to SRNS and the continued protection of Business Sensitive, Proprietary or Protected CRADA Information accessed, obtained, or generated by its employees during their work assignment to SRNL.

NOW, THEREFORE, in view of the foregoing considerations and in a spirit of cooperation, subject to DOE approval it is agreed as follows:

1. Upon the effective date of this Agreement, upon request by SRNS in any particular situation, ORAU agrees to assign to SRNS all of the right, title, and interest in Intellectual Property it may obtain under its Prime Contract with the DOE that is the result of the work assignment of an ORAU employee to SRNS. In addition, ORAU agrees to protect Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties which may be disclosed to ORAU by its employees assigned to perform work for SRNS for the same period of protection applicable to such employees.
2. In entering into this Agreement, ORAU agrees to cooperate with SRNS to report and make all necessary elections in the case of inventions and requests for permission to copyright in the case of copyrightable works and to execute all documents required to assign to SRNS all subject Intellectual Property rights as herein agreed. Such documents required to assign to SRNS all subject Intellectual Property rights will be prepared by SRNS and forwarded to ORAU for execution.
3. In the event that Intellectual Property involving an ORAU inventor/author is licensed by SRNS, for the purposes of royalty sharing, employees of ORAU will be considered and treated the same as employees of SRNS under the royalty sharing policy of SRNS in the distribution of such royalties. Royalties will be distributed directly to the ORAU employee.
4. All ORAU employees assigned to perform work for SRNS (at present or in the future) for the purpose of achieving the goals of this Agreement will sign the ORAU "Agreement

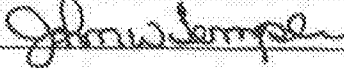
Covering Discoveries, Inventions, Data, and Copyright" which is attached hereto as Exhibit A and incorporated herein by reference. The ORAU "Agreement Covering Discoveries, Inventions, Data, and Copyright" obtains the agreement of ORAU employees assigned to perform work for SRNS that they will, *inter alia*, protect Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties accessed, obtained, or generated by them during their work assignment to SRNS.

5. This Agreement shall apply to and govern all employees of ORAU who are assigned to perform work for SRNS, except those who are exempted by ORAU's written notice to SRNS prior to their admission to facilities managed or owned by SRNS.


6. The term of this Agreement shall be concurrent with the terms of the respective DOE prime contracts of the Parties, as identified above, including any extension or renewal thereof, subject to earlier termination by either party upon 60 days written notice to the other party. ORAU may remove or change the employment status of any of its employees assigned to a facility managed or owned by SRNS; provided, however, that any termination, for whatever reason, or change in employment status of any ORAU employee shall not affect any rights of either party which may have accrued prior to such notice of termination or change in status.

7. This agreement is effective on the date of the last signature applied hereto.  
IN WITNESS, WHEREOF, the Parties have executed this agreement.

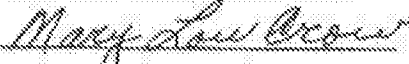
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

BY:   
NAME: JOHN W TEMPLE  
TITLE: DIRECTOR, CONTRACTS  
DATE: 12/6/2012

OAK RIDGE ASSOCIATED UNIVERSITIES, INC

BY:   
NAME: Ivan Boatner  
TITLE: Vice President & General Counsel  
DATE: 11/11/12

Approved: DEPARTMENT OF ENERGY

BY:   
NAME: Mary Lou Crow  
TITLE: Contracting Officer  
DATE: 11-21-2012



Oak Ridge Associated Universities

**AGREEMENT COVERING  
DISCOVERIES, INVENTIONS,  
DATA, AND COPYRIGHTS**

THIS AGREEMENT made between me, whose signature is affixed at the end of this document, and Oak Ridge Associated Universities, Inc., a Tennessee not-for-profit corporation (hereinafter called the "Corporation"). The Corporation has developed and uses technical and non-technical information vital to the success of its business, and in conjunction with work it undertakes with other companies. Generally, employees of the Corporation become acquainted with this information and, depending on job assignments and responsibilities, may contribute to it either through inventions, discoveries or improvements, or through studies, analyses, proposals, business plans or otherwise. Therefore, it is necessary for the Corporation to protect certain of this technical and non-technical information generated by its employees by holding it as proprietary and confidential, or by obtaining statutory protection (patents, trademarks, copyrights) or common law protection (trade secrets).

In consideration of my engagement and/or employment by the Corporation, and the salary, wages or other remuneration paid to me during such engagement and/or employment, I do hereby agree as follows:

A. Proprietary Information:

1. I shall not, except as authorized by the Corporation, at any time during or after my employment, directly or indirectly, disclose to any other person or entity any proprietary technical information of the Corporation or of others (collectively referred to hereinafter as "Proprietary Technical Information") which has come into my possession in the course of employment with the Corporation; and I shall not use any such Proprietary Technical Information for my personal use or advantage, or make it available to others. "Technical Information" includes information such as, for example and without limitation, compositions, formulas, products, processes, methods, systems, designs, specifications, testing or evaluation procedures, machines, manufacturing procedures, production techniques, research and development activities, inventions, discoveries, and improvements.
2. I shall not, except as authorized by the Corporation, at any time during and for seven (7) years after my employment, directly or indirectly, disclose to any other person or entity any proprietary non-technical information of the Corporation or others (collectively referred to hereinafter as "Proprietary Non-Technical Information"), which has come into my possession in the course of my employment with the Corporation; and I shall not use any such Proprietary Non-Technical Information for my personal use or advantage, or make it available to others. Non-technical information includes existing and contemplated business, marketing and financial information such as, for example and without limitation, business plans and methods, marketing information, cost estimates, forecasts, financial data, bid and proposal information, customer identification, and sources of supply.
3. All information regarding Corporation business, both technical and non-technical, in whatever form, including but not limited to text, drawings, or computer software programs, is presumed to be proprietary and confidential until it becomes public information lawfully and without breach of confidential obligation.

**B. Inventions, Discoveries, and Improvements:**

In the event I make any inventions, discoveries or improvements, or develop any copyrightable work during the course of my work, I agree to disclose promptly and fully to the Corporation all inventions, discoveries, improvements, whether patentable or not, or any copyrightable works of authorship, that have been or may be conceived or made by me, solely or jointly with others, during the period of my employment with the Corporation, whether occurring at the Corporation or assigned to another entity in the course of my employment with the Corporation: (a) which are along the lines of or relate to the business, work or investigations of the Corporation or of any company with which it is affiliated at the time of such inventions, discoveries, improvements or copyrightable works; or (b) which result from or arise out of any work that I may do for or on behalf of the Corporation or of others that may have been disclosed or otherwise made available to me as a result of duties assigned to me by the Corporation. All of these inventions, discoveries, improvements, or copyrightable works of authorship shall be the sole and exclusive property of the Corporation, and I hereby assign to the Corporation all of my right, title and interest therein. In order that public disclosure of inventions, discoveries or improvements will not adversely affect the patent interests of the Corporation, I will secure approval from the Corporation for release or disclosure of any information concerning such inventions, discoveries or improvements prior to such release or public disclosure.

**C. Execution of Document:**

I also agree to execute assignments to the Corporation or its assigns, nominees, or successors of all my right, title or interest to: (a) any and all discoveries, inventions, improvements, or copyrightable works of authorship described in paragraph B above; (b) any and all patent applications therefore; (c) all priority rights acquired under the International Convention for Protection of Industrial Property by filing such applications; and (d) all patents that may be granted therefore throughout the world. I further agree during and after my employment to sign all lawful papers and otherwise assist without charge in every lawful way the Corporation and its assigns, nominees, or successors at its or their request to obtain and sustain such patents for its benefit in any and all countries.

**D. Copyrightable Works Produced Under Funding From the United States Government:**

If any copyright is obtained on copyrightable material first produced or composed in the course of or under this agreement, and the copyrightable work was undertaken pursuant to funding received under contract with the United States, and absent any agreement to the contrary, I or the Corporation will obtain for or grant to the U.S. Government and to its officers, agents, servants, employees and others acting on its behalf, who are acting within the scope of their official duties, a royalty-free, non-exclusive, irrevocable license on behalf of the Government to reproduce, prepare derivative works, and perform and display publicly said copyrightable material.

**E. Records and Documents:**

All drawings, designs, computer software, specifications, technical, scientific, and medical records; data and memoranda of every description relating to or containing Proprietary Information as defined above, and which are prepared or created by me or which may come into my possession during my employment, are deemed to be the property of the Corporation, and the Corporation shall have the right to use and disseminate, and authorize others so to do, any and all of said above materials and information without my claim on my behalf. Upon termination of my employment, I agree to leave all such records, documents and writings, and all copies thereof, with the Corporation.

F. Notice of Rights Under State Statute:

No provision in the Agreement is intended to require assignment of any of my rights in an invention for which no equipment, supplies, facilities, or trade secret information of the Corporation was used, and which was developed entirely on my own time; and (1) which does not relate to the business of the Corporation or to the actual or demonstrably anticipated research or development of the Corporation; or (2) which does not result from any work performed by me for the Corporation.

G. Legally Binding Agreement:

This Agreement shall be binding upon me, my heirs, assigns, executors, or other legal representatives, and shall be binding upon and inure to the benefit of the Corporation, its assigns, nominees, or successors; however, neither this Agreement nor any provision thereof shall be construed to be an employment agreement. I agree that, either during or after my employment, the Corporation may advise others of the existence of the Agreement and the provisions of all or any part thereof.

H. Prior Inventions:

Listed and briefly described on the reverse side are all inventions not previously assigned to my previous employers, and which I conceived and made prior to my employment with the Corporation. Such listed inventions are not included under this Agreement, I agree to notify the Corporation promptly in writing if their actual or projected use comes to my attention.

EMPLOYEE

WITNESS

Lucas Angilette  
Employee's Signature

Natalie D. Ferguson  
Witness's Signature

Lucas Angilette  
Employee's Name (printed or typed)

Natalie D. Ferguson  
Witness's Name (printed or typed)

12/15/14  
Date

12/15/14  
Date

**INTELLECTUAL PROPERTY AGREEMENT**

THIS AGREEMENT is by and between Oak Ridge Associated Universities (hereinafter "ORAU"), the not-for-profit contractor of the Department of Energy's (hereinafter "DOE") Oak Ridge Institute for Science and Education (hereinafter "ORISE") under Prime Contract DE-AC05-06OR23100, and Savannah River Nuclear Solutions, LLC (hereinafter "SRNS") a limited liability company which manages and operates as Contractor the Department of Energy's (DOE) Savannah River Site (hereinafter "SRS") and Savannah River National Laboratory (hereinafter "SRNL") under Prime Contract DE-AC09-08SR22470.

IT IS RECOGNIZED THAT:

Whereas, SRNS, under its Prime Contract with DOE, is directed to transfer technology, including inventions and copyrightable subject matter (hereinafter "Intellectual Property") and knowledge acquired in performing under its Prime Contract, in order to benefit U.S. industry;

Whereas, ORAU, in addition to its own programs and specific projects at ORISE, provides training and professional and practical job experience for its employees by temporarily assigning such employees to SRNS, where the employees take part in SRNS's research and development efforts (including Cooperative Research and Development Agreements or Work for Others Agreements) at DOE's SRNL;

Whereas, such employee work assignments mutually benefit both ORAU and SRNS in that they greatly expand the training and practical experience opportunities for ORAU employees while providing a source of talented individuals to participate in SRNS's research and development efforts;

Whereas, ORAU employees may make, create or author Intellectual Property while assigned to perform work at SRNS;

Whereas, under its Prime Contract with DOE, ORAU has the right to elect to retain title to such inventions and to request permission to copyright in the case of copyrightable works of its employees;

Whereas, ORAU employees may generate or be given access to Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties while assigned to perform work for SRNS; and,

Whereas, both ORAU and SRNS agree that technology transfer and other equity considerations favor the eventual assignment of ORAU's rights in such Intellectual Property to SRNS and the continued protection of Business Sensitive, Proprietary or Protected CRADA Information accessed, obtained, or generated by its employees during their work assignment to SRNL.

NOW, THEREFORE, in view of the foregoing considerations and in a spirit of cooperation, subject to DOE approval it is agreed as follows:

1. Upon the effective date of this Agreement, upon request by SRNS in any particular situation, ORAU agrees to assign to SRNS all of the right, title, and interest in Intellectual Property it may obtain under its Prime Contract with the DOE that is the result of the work assignment of an ORAU employee to SRNS. In addition, ORAU agrees to protect Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties which may be disclosed to ORAU by its employees assigned to perform work for SRNS for the same period of protection applicable to such employees.
2. In entering into this Agreement, ORAU agrees to cooperate with SRNS to report and make all necessary elections in the case of inventions and requests for permission to copyright in the case of copyrightable works and to execute all documents required to assign to SRNS all subject Intellectual Property rights as herein agreed. Such documents required to assign to SRNS all subject Intellectual Property rights will be prepared by SRNS and forwarded to ORAU for execution.
3. In the event that Intellectual Property involving an ORAU inventor/author is licensed by SRNS, for the purposes of royalty sharing, employees of ORAU will be considered and treated the same as employees of SRNS under the royalty sharing policy of SRNS in the distribution of such royalties. Royalties will be distributed directly to the ORAU employee.
4. All ORAU employees assigned to perform work for SRNS (at present or in the future) for the purpose of achieving the goals of this Agreement will sign the ORAU "Agreement

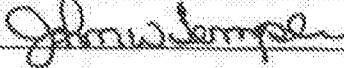
Covering Discoveries, Inventions, Data, and Copyright" which is attached hereto as Exhibit A and incorporated herein by reference. The ORAU "Agreement Covering Discoveries, Inventions, Data, and Copyright" obtains the agreement of ORAU employees assigned to perform work for SRNS that they will, *inter alia*, protect Business Sensitive, Proprietary or Protected CRADA Information of SRNS or third parties accessed, obtained, or generated by them during their work assignment to SRNS.

5. This Agreement shall apply to and govern all employees of ORAU who are assigned to perform work for SRNS, except those who are exempted by ORAU's written notice to SRNS prior to their admission to facilities managed or owned by SRNS.


6. The term of this Agreement shall be concurrent with the terms of the respective DOE prime contracts of the Parties, as identified above, including any extension or renewal thereof, subject to earlier termination by either party upon 60 days written notice to the other party. ORAU may remove or change the employment status of any of its employees assigned to a facility managed or owned by SRNS; provided, however, that any termination, for whatever reason, or change in employment status of any ORAU employee shall not affect any rights of either party which may have accrued prior to such notice of termination or change in status.

7. This agreement is effective on the date of the last signature applied hereto.  
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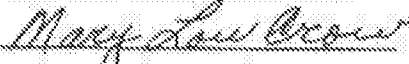
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

BY:   
NAME: JOHN W TEMPLE  
TITLE: DIRECTOR, CONTRACTS  
DATE: 12/6/2012

OAK RIDGE ASSOCIATED UNIVERSITIES, INC

BY:   
NAME: Ivan Boatner  
TITLE: Vice President & General Counsel  
DATE: 11/11/12

Approved: DEPARTMENT OF ENERGY

BY:   
NAME: Mary Lou Crow  
TITLE: Contracting Officer  
DATE: 11-21-2012

## INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

Whereas Lucas M. Angelette and Paul R. Beaumont (collectively, the "Named Inventors"), United States citizens and employees of Oak Ridge Associated Universities ("Assignor" or "ORAU"), are listed as named inventors on Savannah River Nuclear Solutions, LLC invention disclosure, tracking number SRS 16-018, entitled "Process for Water Hydrogen Isotope Separation Using Graphene Membrane," (the "Innovation"), for which one or more patents may be sought;

Whereas the Named Inventors are obligated to assign and have assigned to ORAU their entire right, title, and interest in the Innovation;

Whereas, Savannah River Nuclear Solutions, LLC ("Assignee" or "SRNS") having a mailing address of SRNS Office of General Counsel, Savannah River Site, Building 730-1B, Room 129, Aiken, SC 29808, desires to document, for purposes of pursuing and obtaining patent rights based on the Innovation, its acquisition of the entire right, title, and interest in the Innovation and in any and all patents or patent applications which may be granted and/or filed thereon;


Whereas, pursuant to the December 6, 2012 Intellectual Property Agreement ("IPA") between Assignor and Assignee, attached hereto as Exhibit A, Assignor has agreed to assign to Assignee, upon request by Assignee in any particular situation, all of the right, title, and interest in Intellectual Property that Assignee may obtain under its Prime Contract with DOE that is the result of the work assignment of an Assignor employee to Assignee;

Now, therefore, Assignor is desirous to assist Assignee in obtaining one or more patents on the Innovation, and acknowledges that, pursuant to this Intellectual Property Assignment Agreement, Assignor has assigned Assignor's entire right, title, and interest to the Innovation and that Assignee and Assignor remain bound by the IPA; and

Assignee hereby acknowledges and accepts the foregoing and undertakes responsibility for complying with the IPA.


Effective July 14, 2016.

OAK RIDGE ASSOCIATED UNIVERSITIES, INC.

By:   
Rachel F. Lokitz  
Corporate Secretary and Associate General Counsel

Date: September 8, 2016

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

By:   
*FOR* John W. Temple  
Senior Vice President, Contracts and Supply Chain Management

Date: September 21, 2016