SAND2012-7493P

2013 FLC AWARD FOR EXCELLENCE IN TECHNOLOGY TRANSFER NOMINATION FORM

********* DEADLINE FOR SUBMISSIONS: THURSDAY, AUGUST 16, 2012 *********

2013 FLC Award for Excellence in Technology Transfer Submission Guidelines

USE THIS FORM ONLY – NOT A PREVIOUS YEAR'S – TO SUBMIT YOUR NOMINATION.

PLEASE READ CAREFULLY TO AVOID HAVING YOUR SUBMISSION DISQUALIFIED.

Eligibility

1. Nominee(s) must be employee(s) of FLC member laboratories and non-laboratory staff who were actively involved in the transfer process. A member laboratory is any federal laboratory that is a member of the FLC and has 200 or more full-time equivalent scientific, engineering and related technical positions. The laboratory must be owned, leased, or otherwise used by a federal agency and funded by the federal government, as established under 15 U.S.C. Section 3705 or 3707.

2. Nominee(s) must be employee(s) engaged in science and technology and/or technology transfer activities at FLC member laboratories. This also includes technology transfer professionals such as ORTAs. If this submission is selected as a winner, at least one nominee will participate in the 2013 FLC Awards Ceremony in Denver, Colorado.

3. Duplicate nominations of a single technology transfer effort (for an individual or group) are not allowed.

4. The nominated achievement must have taken place within the last five years.

5. Frequently asked questions and answers thereto are set forth at the end of this application.

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Number of Submissions

Each laboratory may submit a maximum of **four** nominations.

Complete Submission Procedures

A complete submission will consist of the following sections:

- A completed Submission Cover Sheet, Section 1 (3 pages including abstract nominees and nominator pages)
- A completed Submission Narrative, Section 2 (5 pages max)
- A completed Submission Verification Checklist, Section 3 (1 page)

General formatting for these sections should meet the following requirements:

- Use Arial or Times font styles that are no smaller than 12 points. Failure to do so will result in a disqualification of your submission.
- The completed nomination form must adhere to the electronic page format created by the FLC. Alterations to margins, or use of electronic page formats from previous versions of the nomination form, will result in an automatic disqualification of the nomination.
- If the page limit is exceeded, your submission will be disqualified.
- Graphics and photos are allowed to be used, provided they are included within the body of the Submission Narrative (Section 2). Graphics and photos included on separate attachment pages exceeding the 5 pages provided in the Submission Narrative (Section 2) will result in disqualification of the nomination.
- Wherever possible, provide quantitative data.
- Supporting documentation, including brochures, news articles, press releases and URL addresses will not be accepted with the submission.
- **DO NOT** include proprietary information regarding the technology or its transfer. All submissions will become the property of the FLC, which reserves the right to use the submission's content in its marketing and publications.
- **Content in both the Submission Cover Sheet (Section 1) and Submission Narrative (Section 2) must be written in layman's terms, as they will be used at the discretion of the FLC in promotional materials.**
- Although forms may be duplicated, each form must be submitted as single-sided.

Each submission (**except** for Submission Verification Checklist, Section 3) must be sent electronically at **mchambers@utrs.com** in either an MS Word or a standard PDF format. **Please do not send submissions that have been scanned.**

Each Submission Verification Checklist must be faxed to the FLC Management Support Office (attn: Michele Chambers) at **856-667-8009. Only the Submission Verification Checklist will be accepted by fax,** not completed submissions.

********* DEADLINE FOR SUBMISSIONS: THURSDAY, AUGUST 16, 2012 *********

All submissions and checklists must be received by the FLC Management Support Office by 8:00 p.m. EDT (5:00 p.m. PDT) on **Thursday, August 16, 2012.** No submissions will be accepted after this time.

Contact Michele Chambers at 856-667-7727 x135, for additional information.

Announcement of Results

The winners of the 2013 Award for Excellence in Technology Transfer will be announced in December 2012**.** Laboratories submitting nominations will be notified prior to the official announcement.

Award Ceremony

All award winners will receive a keepsake from the FLC commemorating their achievement. In addition, winners will be honored during an awards banquet to be held at the 2013 FLC National Meeting in Denver, Colorado.

FOR FLC USE ONLY – DO NOT COMPLETE OR REMOVE

RECEIVED: **SUBMISSION NUMBER:**

2013 FLC Award for Excellence in Technology Transfer
Section 1 – Submission Cover Sheet

Laboratory Name: Sandia National Laboratories

Title of Nominated Technology Transfer:
Removal of Radioactive Cesium from Seawater using Crystalline Silico-Titanates

Dates that transfer took place (Beginning April 2011 – ongoing):

Summary: In the space below, write a brief (450 words maximum) summary of the nomination that describes: the transferred technology, the role of the nominee(s) in the technology transfer process, the technology transfer process used, and the benefits of the transfer effort. Please write this paragraph in non-technical terms for a non-scientific audience. The information provided in the box below will be included in the FLC awards booklet if the submission is selected as a winner.

Crystalline Silico-Titanates (CSTs) are synthetic zeolites designed by Sandia National Laboratories (SNL) scientists to selectively capture radioactive cesium and other group I metals. They are particularly effective at capturing cesium from high salinity aqueous solutions, including seawater.

When the huge earthquake and tsunami struck Japan on March 11, 2011, leading to the Fukushima Daiichi nuclear power plant accident, it was quickly determined that CSTs would be an excellent material to be used for the removal of radioactive cesium from contaminated seawater which had been used to cool the plant's reactors

Quick action by SNL and their corporate partner UOP, a Honeywell Company, led to licensing and deployment of the technology in Japan in just a few months, where it continues to be used to clean up cesium contaminated water at the Fukushima power plant.

SNL researchers, chemist Tina Nenoff and retired colleague geochemist Jim Krumhansl, worked around the clock for 10 days to show that the technology worked in seawater. Their tests showed that CSTs outperformed other materials for cesium removal from seawater under the conditions in Japan. These results were given to DOE, and then several interactions between Honeywell UOP and SNL took place that resulted in an exclusive license to Honeywell UOP for the use of CSTs in the field of radiation waste applications.

Honeywell UOP has put the CSTs in its IONSIV™ Selective Media product line and is using them in the cleanup effort.

To date, more than 43 million gallons of cesium contaminated seawater used to cool the reactors at Japan's Fukushima Daiichi nuclear power plant after the accident rendered the reactor cooling systems inoperable has been treated using CSTs manufactured by Honeywell UOP.

The technology transfer of the CST technology to Honeywell UOP has led to more collaboration with SNL on other materials. Honeywell UOP has also recently announced an investment of $20 million to expand its production facility to produce adsorbents and catalysts, including CSTs.

2013 FLC Award for Excellence in Technology Transfer – Section 1

NOMINEE INFORMATION INSTRUCTIONS:

- List the names (including Mr., Ms., Miss, Mrs., Dr., etc.) and job titles of nominees below.
- Designate one nominee as the primary contact who will be responsible for disseminating information from the FLC to the rest of the team.
- If the address is a PO Box, also include the street address.
- If the project leader is not the primary contact, please provide their information below the primary contact section and designate them as the project leader.
- If any nominee(s) has a different address than the primary contact, provide this information.
- If there are more than two nominees, add their contact information below and on an additional page(s) within **Section 1 only** (if necessary)

Nominee/Primary Contact: Ms. Bianca Thayer
Title: Licensing Executive
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 0114
City: Albuquerque State: NM Zip: 87185-0114
Phone: 505.284.7766 Fax: 505.844.8011 E-mail: bkthaye@sandia.gov

Nominee: Dr. Mark J. Rigali
Title: Manager, Geochemistry Department
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 0754
City: Albuquerque State: NM Zip: 87185-0754
Phone: 505.284.2727 Fax: 505.844.7354 E-mail: mjrigal@sandia.gov

Nominee: Dr. Tina Nenoff
Title: Distinguished Member of Technical Staff
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 1415
City: Albuquerque State: NM Zip: 87185-1415
Phone: 505.844.0340 Fax: 505.844.5470 E-mail: tmnenof@sandia.gov

Nominee: Dr. Jim Krumhansl
Title: Principal Member of Technical Staff
Organization: Sandia National Laboratories (retired)
Address: 813 Solano Drive NE
City: Albuquerque State: NM Zip: 87110
Phone: 505.266.0946 Fax: E-mail:krumhlaw@gmail.com

Nominee: Dr. Dean Runde
Title: Senior R&D Manager, Adsorbents Technology
Organization: UOP LLC, A Honeywell Company
Address: 50 E. Algonquin Road
City: Des Plaines State: IL Zip: 60016-6102
Phone: 847.375.7465 Fax: 847.375.7980 E-mail:Dean.Runde@uop.com

2013 FLC Award for Excellence in Technology Transfer – Section 1

Nominee: Mr. Dennis Fennelly
Title: Marketing Manager-Adsorbents
Organization: UOP LLC, A Honeywell Company
Address: 5 East Stow Rd., Suite E
City: Marlton **State: NJ** **Zip: 08053**
Phone: 856.797.0011 Ext. 204 **Fax: 856.985.681** **E-mail:Dennis.Fennelly@uop.com**

Nominee: Mr. Alan Greenberg
Title: Strategic Marketing Manager - Adsorbents
Catalysts, Adsorbents & Specialty Products
Organization: UOP LLC, A Honeywell Company
Address: 25 East Algonquin Road
City: Des Plaines **State: IL** **Zip: 60017-5017**
Phone: 847.391.2338 **Fax:** **E-mail:Alan.Greenberg@uop.com**

Nominee: Dr. Evgeny Kolev
Title: Lead R&D Scientist, Adsorption & Gas Process
Organization: UOP LLC, A Honeywell Company
Address: 50 E. Algonquin Road
City: Des Plaines **State:IL** **Zip: 60017**
Phone: 847.391.2477 **Fax:** **E-mail: Evgeny.Kolev@honeywell.com**

Nominee: Dr. Tom Reynolds
Title: Fellow Product and Manufacturing Technology
Organization: UOP LLC, A Honeywell Company
Address: 1 Linde Drive
City: Mobile **State: AL** **Zip: 36611**
Phone: 251.330.7213 **Fax: 251.330.7458** **E-mail: Thomas.Reynolds@uop.com**

2013 FLC Award for Excellence in Technology Transfer – Section 1

NOMINATOR INFORMATION INSTRUCTIONS

- List the names (including Mr., Ms., Miss, Mrs., Dr., etc.) of the nominators below.
- If the nominator holds more than one of the positions listed below (e.g. FLC Representative and ORTA Representative) it is only necessary to list the name of the nominator in the entry of the second position.
- If the address is a PO Box, also include the street address.

THE FLC <u>STRONGLY RECOMMENDS</u> THAT ALL LISTED NOMINATORS HAVE AN OPPORTUNITY TO REVIEW AND APPROVE THE FINAL NOMINATION BEFORE IT IS SUBMITTED FOR JUDGING!!!

FLC Representative: Ms. Jackie Kerby Moore
Organization: Sandia National Laboratories
Address: P.O. Box 580 MS 1495
City: Albuquerque State: NM Zip: 87185-1495
Phone: 505.845.8107 Fax: 505.844.1389 E-mail: jskerby@sandia.gov

Nominee Supervisor: Dr. Mark Allen
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 0114
City: Albuquerque State: NM Zip: 87185-0114
Phone: 505.844.7197 Fax: 505.844.8011 E-mail: msallen@sandia.gov

ORTA Representative/
Technology Transfer Manager: Dr. Peter A. Atherton
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 0351
City: Albuquerque State: NM Zip: 87185-0351
Phone: 505.284.3768 Fax: 505.844.4394 E-mail: prather@sandia.gov

Laboratory Director: Dr. Paul J. Hommert
Organization: Sandia National Laboratories
Address: P.O. Box 5800 MS 0101
City: Albuquerque State: NM Zip: 87123-0101
Phone: 505.844.7261 Fax: 505.844.1120 E-mail: pjhomme@sandia.gov

2013 FLC Award for Excellence in Technology Transfer
Section 2 – Submission Narrative

Laboratory Name: Sandia National Laboratories
Title of Nominated Technology Transfer:
Removal of Radioactive Cesium from Seawater using Crystalline Silico-Titanates

Description of Technology Transferred

Crystalline Silico-Titanates (CSTs) are synthetic zeolites designed by SNL scientists to selectively capture radioactive cesium and other group I metals. CSTs are molecularly engineered ion exchangers which can be sized to selectively remove cesium or other elements. They are particularly effective at capturing cesium from high salinity aqueous solutions, including seawater.

When the huge earthquake and tsunami struck Japan on March 11, 2011, leading to the Fukushima Daiichi nuclear power plant accident, it was quickly determined that CSTs would be an excellent material to be used for the removal of radioactive cesium from contaminated seawater which had been used to cool the plant's reactors.

UOP, a Honeywell company, was the recipient of the transferred technology. The transfer took place quickly, with testing, licensing discussions and a license agreement completed by October 2011.

Figure 1 Fukushima Daiichi nuclear power plant, aerial view after the accident.

The Technology Transfer Story

SNL reached out to Honeywell UOP to share data on CST performance for cesium removal in seawater immediately after the earthquake in Japan happened in March 2011. This renewed an important and longstanding partnership between the two organizations that included a 1994 Cooperative Research and Development Agreement (CRADA) which culminated in an R&D 100 award in 1996.

Both SNL and Honeywell UOP were highly motivated to quickly test the CSTs and begin manufacturing so that the contaminated water at Fukushima nuclear power plant could be cleaned up.

Both organizations made this a top priority and assigned key personnel to perform additional CST testing and negotiate the CST license, as well as to explore additional Sandia-developed materials for possible technology transfer and product development.

Discussions between the SNL team and Honeywell UOP regarding licensing options began in mid-May 2011. Honeywell UOP signed an exclusive relicensing agreement with SNL in October. The scale of the Fukushima disaster, of course, encouraged both parties to move quickly, allowing Honeywell UOP to deliver CSTs to Japan to begin testing, and then proceed with larger scale application in order to clean up the contaminated water.

Honeywell UOP licensed two CST patents from SNL to become the exclusive U.S. manufacturer of the materials for use as ion exchangers in radiation waste applications. Currently, Honeywell UOP and SNL are engaged in a Work for Others (WFO) agreement to explore the development of a second SNL patented technology for commercialization and technology transfer, but the company requests the details of this technology and its applications remain proprietary. If successful, the two organizations anticipate initiating a CRADA to fully develop this material into a new product.

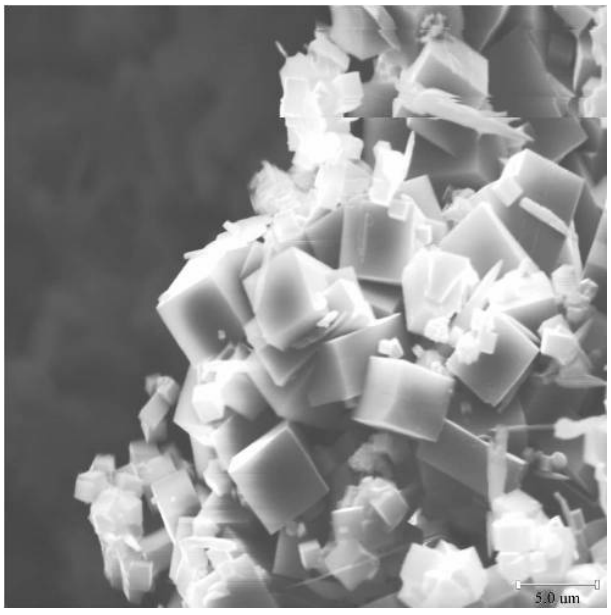

Figure 2 Crystalline Silico-Titanates.

Key Contributions to the Technology Transfer

After the accident at Fukushima, DOE was advising the Japanese governmenton ways to deal with the disaster. DOE requested SNL researchers, chemist Tina Nenoff and retired colleague, geochemist Jim Krumhansl, to evaluate the effectiveness of CSTs in removing radioactive cesium from seawater. Nenoff and Krumhansl worked around the clock for 10 days to show that the technology worked in seawater. Their tests showed that while there are other commercially available zeolites, mineral zeolites and clays available, CSTs significantly outperformed the other materials for cesium removal from seawater under the conditions in Japan.

Recognizing that the CSTs had direct applicability to the clean-up at Fukushima, Nenoff contacted Honeywell UOP to encourage them to consider approaching the Japanese concerning its use at Fukushima. Honeywell UOP requested more information on licensing the CST technologies, engaging both Bianca Thayer (licensing and technology transfer) and the organizational patent owner (Geochemistry Department Manager Mark Rigali). Thayer and Rigali invited Honeywell UOP to visit Sandia in June 2011 to present the results of the Nenoff and Krumhansl CST study, and then assembled a team across several SNL organizations to present an overview of Sandia's sorbent and reactive barrier technologies for radioactive and contaminant clean-up of aqueous systems. The results presented by Nenoff on CST performance in seawater stimulants convinced Honeywell UOP to immediately proceed with exclusive licensing discussions on the CST patents owned jointly by SNL and Texas A&M University. SNL has a commercialization agreement with Texas A&M designating the labs as the licensing and patent lead.

With the license agreement secured and the SNL analysis on CST performance in sea water completed, Honeywell UOP researcher Evgeny Kolev contacted SNL researchers for input to Honeywell UOP's analysis of the expected performance of the CST-based IONSIV products. Kolev and Tom Reynolds investigated the impact of manufacturing procedures on their product performance to optimize the formulation to meet the aggressive timelines for deployment to Fukushima. Honeywell UOP Senior Manager, Dean Rende, coordinated the overall R&D effort and studied the intellectual property issue which helped facilitate Honeywell UOP's negotiations for a broader license agreement with Sandia. On the business side, Dennis Fennelly and Alan Greenberg contacted Bianca Thayer to expand the license agreement. Fennelly also managed the interaction with Tepco and its contractors to supply the CST for use in the SARRY system, a system designed to remove radionuclides from contaminated waters at the Fukushima site.

In addition, Honeywell UOP expressed considerable interest in several new SNL technologies for radioactive element and heavy metal removal from water systems. Thayer worked quickly with Honeywell UOP executives to negotiate a CST license agreement between the two organizations, and Rigali initiated WFO/CRADA discussions to explore the development of additional SNL patented materials as new ion exchange products. At the time of this writing, UOP has selected a second SNL patented technology for further development, but has requested that the details and target application remain proprietary.

Nominees demonstrated innovation in making this technology transfer possible by working around the clock for 10 days to collect data on the performance of the CSTs that convinced Honeywell UOP that the CSTs would perform well in cesium removal in seawater and saline waters. SNL provided the unique capabilities of their researchers' time and expertise, along with lab facilities able to handle testing of radioactive materials in order to accomplish this technology transfer quickly, so the cleanup in Japan could be done with the most effective materials possible.

Figure 1 Dean Rende, Honeywell UOP; Jim Gassen, Honeywell UOP; Dr. Mark Rigali, SNL; Dr. Carlos Gutierrez, SNL; Dr. Yifeng Wang, SNL; Dr. May Nyman, SNL; Evgeny Kolev, Honeywell UOP; Brooke Garcia, SNL; Bianca Thayer, SNL; Alan Greenberg, Honeywell UOP; Dr. Tina Nenoff, SNL; Dr. Jim Krumhansl, SNL.

Outcomes of the Technology Transfer

UOP, a Honeywell Company licensed CST patents from SNL. They were able to quickly manufacture and ship CSTs to Japan where they have been used to treat more than 43 million gallons of radioactive cesium contaminated water at the Fukushima site to date. The

environmental impacts are substantial in Japan, and it is anticipated that these materials will also be used for Savannah River tank cleanup and possibly some Hanford waste streams.

Development efforts in these areas align with Sandia's mission in radioactive waste management. For over 30 years, Sandia has played a key role in the development and implementation of total system analyses and waste form development for nuclear waste management systems.

With the negotiation of the exclusive license for the patented CST technology in 2011, the two organizations are now collaborating on the development of new materials to remove other radionuclides from contaminated water at Fukushima, as well as at Savannah River and Hanford. The renewed partnership is giving the company the opportunity to look at other specialty materials and technologies SNL has developed in the years since they last worked together. They are continuing R&D work around CSTs and other types of radioactive and industrial water treatment materials.

In April 2012, Honeywell UOP announced an investment of $20 million to expand its production facility to produce adsorbents and catalysts, partly in response to the need to increase production of their IONSIV Ion Exchange adsorbent products being used in Fukushima. This will create many jobs in the USA. The company feels that the marketplace is changing, creating a number of opportunities to apply CSTs, a material whose time has come.

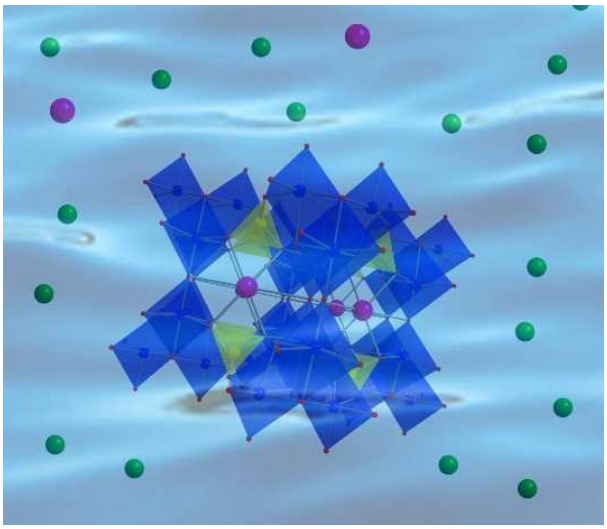

Figure 4 The blue structure is a stylized CST. The magenta spheres are radiocesium ions in water and are being preferentially taken up by the CSTs over the green sodium ions.

Sandia National Laboratories U.S. DEPARTMENT OF ENERGY

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000. SAND# XXXX-XXXX.

2013 FLC Award for Excellence in Technology Transfer
Award Criteria

The highest score possible is 100 points. The total point score will be used for ranking. Scoring will be done by judging the Submission Narrative (Section 2) against the criteria listed on this page.

Carefully review the award criteria before writing your Submission Narrative. How closely you adhere to the guidelines provided may be <u>the</u> deciding factor in whether your laboratory is selected as a winner!

Criteria – FLC Award for Excellence in Technology Transfer

A. Description of Technology Transferred

1. Describe the technology transferred, including advantages, benefits, and other relevant features (10 points)
2. Who or what was the recipient of the transferred technology, and when did the transfer take place? (5 points)

B. The Technology Transfer Story

1. How and by whom was the partnership for the technology initiated? (5 points)
2. What were the specific roles, goals, objectives, and expectations of each partner? (10 points)
3. What technology transfer mechanisms, resources, and/or activities were used to transfer the technology? (25 points).

C. Key Contributions to the Technology Transfer

1. Describe each nominated team member's role in the technology transfer, including any innovation or creativity demonstrated by team members in transferring the technology. (20 points)

D. Outcomes of the Technology Transfer

1. What was the result of the technology transfer effort? (10 points)
2. Describe how this technology transfer effort met the mission requirements of your laboratory. (10 points).
3. How well were the goals and expectations of the partners met? (5 points)

FLC Laboratory Representatives should carefully review the award criteria before preparing a nomination. It is important to understand that this award is specifically for **transferring technologies**; they are **not** given for a research effort that does not include an element of technology transfer—no matter how innovative it might be.

Because each item of the award criteria is worth points, each criterion must be addressed in the Submission Narrative in the section they are being asked or points may be deducted. If an item is not applicable, please indicate this in the narrative, and this will be taken into account by the judges. When writing your Submission Narrative, be as specific and concise as possible.

2013 FLC Award for Excellence in Technology Transfer
Section 3 – Submission Verification Checklist

(This page will only be accepted via fax at 856-667-8009)

Laboratory Name:
Title of Nominated Technology Transfer:

Please review each item below and determine whether your nomination meets the stated requirements. For the last two items, you must simply agree to comply with these requirements in the event that the nomination is chosen as a winner.

- ❑ The technology transfer achievement took place in the last five years.
- ❑ The technology involved is clearly described in layman's language.
- ❑ The Submission Cover Sheet (Section 1) is completed per instructions.
- ❑ The nomination was reviewed and approved by all the nominators listed on the Submission Cover Sheet (Section 1).
- ❑ The Submission Narrative (Section 2) uses the page format established by the FLC, is typed in 12 point type or larger, addresses all items listed in the award criteria, and comprises pages 2-1 through 2-5 of the nomination.
- ❑ Section 1 and Section 2 of the nomination package are being submitted electronically in either an MS Word or standard (non-scanned) PDF format to the FLC Management Support Office via mchambers@utrs.com by **Thursday, August 16, 2012.**
- ❑ No supporting documentation is attached.
- ❑ The nomination does not include any proprietary or confidential information and the FLC may use this entire submission as a resource document and for media purposes.
- ❑ In the event of being chosen as a winner, at least one nominee will participate in the award ceremony at the 2013 FLC National Meeting in Denver, Colorado.
- ❑ The nominee(s) will provide a poster display for an exhibit at the 2013 FLC National Meeting in Denver, Colorado.

As the nominating official and FLC Representative from this laboratory, I understand that entries not conforming to this checklist will be returned without consideration.

_____ _____ _____

Signature Phone

2013 FLC Award for Excellence in Technology Transfer
Frequently Asked Questions

1. **I want to nominate someone from a partnering company for this award. Would he/she be eligible?**

   Yes, non-laboratory staff is eligible for nomination.

2. **I want to be sure someone in our laboratory's technology transfer office who provided their expertise and assistance is recognized. Is this possible?**

   Yes, technology transfer professionals, including ORTAs, are eligible for nomination.

3. **One of my potential nominees is now retired/deceased. Can I still include their name in the submission?**

   Yes. Any individual who was employed at the laboratory at the time of the technology transfer is eligible to be nominated.

4. **Is there a limit on the number of individuals I can nominate?**

   No. All eligible individuals who were **actively** involved in the technology transfer process can be nominated, regardless of number. However, each individual effort must be specifically identified in the nomination write-up. Failure to do so may result in the individual being removed from the nomination or total nomination disqualification.

5. **Our laboratory just completed a joint technology transfer effort with another laboratory. Can I submit this joint project as a nominee?**

   Yes, joint technology transfer projects between federal laboratories are eligible for nomination, even if the laboratories are affiliated with different federal agencies. However, only one of the laboratories may submit a nomination. Please consider submitting this joint effort as an Interagency Partnership Award.

6. **The technology that my laboratory has produced has great potential, but has yet to be formally transferred. Can my submission be given serious consideration by the judges on basis of technology alone?**

   No. This award is given on the basis of successful technology transfer efforts, as opposed to the potential of the technology itself. It is advisable to only submit a technology for nomination once it has formally been transferred.

7. **The narrative I plan to submit is rather extensive and I don't want to leave anything out. Can I use more than five pages in Section 2?**

   No.

2013 FLC Award for Excellence in Technology Transfer
Frequently Asked Questions (continued)

8. **I am running behind schedule in completing my submission. Is it acceptable to send the submission after August 16, 2012, provided I make arrangements to do so in advance?**

   No. An electronic copy of your submission and a faxed copy of the Submission Verification Checklist must be received by the FLC Management Support Office by 8:00 p.m. EDT (5:00 p.m. PDT) on **Thursday, August 16, 2012.** No submissions will be accepted after this time.

9. **Though the deadline has passed, it has come to my attention that a section of my submission is incomplete. Can I send the missing information?**

   No. It is important to make sure that your submission is completed and meets the necessary requirements before you send it. The Submission Verification Checklist (Section 3) exists for this reason.

10. **How will I know that my submission has been received?**

    Upon receipt of your submission, you will receive an electronic confirmation.

11. **I have included proprietary information in my submission. If my submission is selected as a winner, can this information be deleted?**

    The FLC reserves the right to use your entire submission as a resource document and for media and/or promotional purposes, so only include non-proprietary information in your submission.

12. **When will I be notified if my submission is selected as a winner?**

    Laboratories will be notified prior to the official public announcement in December 2012**.**

13. **Do the winners receive a cash award?**

    The FLC does not distribute cash as part of award recognition.

14. **Does the FLC cover travel expenses for the winner?**

    The FLC does not cover travel expenses. However, award winners are eligible for discount fees pertaining to the National Meeting and award-related events.