Centennial Challenges Vascular Tissue Challenge

AGENCY: National Aeronautics and Space Administration (NASA).

ACTION: Notice.

SUMMARY: This notice is issued in accordance with 51 U.S.C. 20144(c). The Vascular Tissue Challenge is open and teams that wish to compete may now register. Centennial Challenges is a program of prize competitions to stimulate innovation in technologies of interest and value to NASA and the nation. The Vascular Tissue Challenge is a prize competition with a $500,000 prize purse for teams that can successfully create thick, human vascularized organ tissue in an in vitro environment while maintaining metabolic functionality similar to their in vivo functionality throughout a 30-day survival period. NASA is providing the prize purse. The Methuselah Foundation’s New Organ Alliance is the Allied Organization managing the competition.

DATES: This is a “first to demonstrate” competition. Teams may submit their intent to compete beginning June 13, 2016 and the competition will remain open until the requirements of the rules are met and a winner is announced or until the Challenge Deadline of September 30th, 2019.

ADDRESSES: The Vascular Tissue Challenge will be conducted and judged at the laboratory facilities of the participants.

FOR FURTHER INFORMATION CONTACT: To register for or get additional information regarding the Vascular Tissue Challenge, please visit: https://www.neworgan.org/vtc-prize.php.

For general information on the NASA Centennial Challenges Program please visit: http://www.nasa.gov/challenges. General questions and comments regarding the program should be addressed to Monsi Roman, Centennial Challenges Program, NASA Marshall Space Flight Center Huntsville, AL 35812. Email address: hq-stmd-centennialchallenges@mail.nasa.gov.

SUPPLEMENTARY INFORMATION:

Summary

Competitors will be asked to produce an in-vitro vascularized tissue that is ≥ 1 centimeter in thickness in all dimensions at the launch of the trial and maintains ≥85% survival of the required parenchymal cells throughout a 30-day period. Tissues must provide adequate blood perfusion without uncontrolled leakage into the bulk tissue to maintain metabolic functionality similar to their in-vivo native cells. Histological measurement of the quality and amount of functional performance will be required to determine survival of parenchymal tissue. Teams must demonstrate 3 successful trials with at least a 75% trial success rate to win an award. In addition to the in-vitro trials, teams must also submit a Spaceflight Experiment Concept that details how they would further advance some aspect of their tissue vascularization research through a microgravity experiment that could be conducted in the U.S. National Laboratory (ISS–NL) onboard the International Space Station.

I. Prize Amounts

The total Vascular Tissue Challenge prize purse is $500,000 (five hundred thousand U.S. dollars). First place will receive $300,000 (three hundred thousand U.S. dollars). Two runners-up may be awarded $100,000 (one hundred thousand U.S. dollars) each. Entries must meet specific requirements detailed in the Rules to be eligible for prize awards.

II. Eligibility

To be eligible to win a prize, competitors must:

1. Register and comply with all requirements in the rules and Team Agreement;
2. In the case of a private entity, shall be incorporated in and maintain a primary place of business in the United States, and in the case of an individual, whether participating singly or in a group, shall be a citizen or permanent resident of the United States; and
3. Not be a Federal entity or Federal employee acting within the scope of their employment.

III. Rules

The complete rules for the Vascular Tissue Challenge can be found at: https://www.neworgan.org/vtc-prize.php.

Cheryl Parker,
NASA Federal Register Liaison Officer.

Sunshine Act Meeting

TIME AND DATE: 10:00 a.m., Thursday, June 16, 2016.

PLACE: Board Room, 7th Floor, Room 7047, 1775 Duke Street (All visitors must use Diagonal Road Entrance), Alexandria, VA 22314–3428.

STATUS: Open.

MATTERS TO BE CONSIDERED:

1. NCUA’s Rules and Regulations, Technical Amendments to Community Development Revolving Loan Fund.
2. NCUA’s Rules and Regulations, Statutory Inflation Adjustment of Civil Money Penalties.
3. Board Briefing, Interest Rate Risk Supervision and Adding ‘S’ to CAMEL.

RECESS: 11:00 a.m.

TIME AND DATE: 11:15 a.m., Thursday, June 16, 2016.

PLACE: Board Room, 7th Floor, Room 7047, 1775 Duke Street, Alexandria, VA 22314–3428.
NATIONAL SCIENCE FOUNDATION

Notice of Permits Issued under the Antarctic Conservation Act of 1978

AGENCY: National Science Foundation.


SUMMARY: The National Science Foundation (NSF) is required to publish notice of permits issued under the Antarctic Conservation Act of 1978. This is the required notice.

FOR FURTHER INFORMATION CONTACT: Nature McGinn, ACA Permit Officer, Division of Polar Programs, Rm. 755, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA 22230. Or by email: ACApermits@nsf.gov.

SUPPLEMENTARY INFORMATION: On April 21 & April 29, 2016 the National Science Foundation published a notice in the Federal Register of a permit applications received. The permits were issued on June 5, 2016 to:

1. Kristin O’Brien—Permit No. 2017–001
2. Deneb Karentz—Permit No. 2017–002

Nadene G. Kennedy,
Polar Coordination Specialist, Division of Polar Programs.

Week of June 20, 2016—Tentative

Monday, June 20, 2016
9:00 a.m. Meeting with Department of Energy Office of Nuclear Energy (Public Meeting); (Contact: Albert Wong; 301–415–3081) This meeting will be webcast live at the Web address—http://www.nrrc.gov/. Thursday, June 23, 2016
9:00 a.m. Discussion of Security Issues (Closed Ex. 3)

Week of June 27, 2016—Tentative

Tuesday, June 28, 2016
9:30 a.m. Briefing on Human Capital and Equal Opportunity Employment (Public Meeting); (Contact: Kristin Davis; 301–287–0707) This meeting will be webcast live at the Web address—http://www.nrrc.gov/.

Week of July 4, 2016—Tentative

Thursday, July 7, 2016
9:30 a.m. Strategic Programmatic Overview of the Reactors Operating Business Line (Public Meeting); (Contact: Trent Worth; 301–415–1568)

Week of July 11, 2016—Tentative

There are no meetings scheduled for the week of July 11, 2016.

Week of July 18, 2016—Tentative

Thursday, July 21, 2016
9:30 a.m. Briefing on Project Aim (Public Meeting); (Contact: Janelle Jessie; 301–415–6775) This meeting will be webcast live at the Web address—http://www.nrrc.gov/. The schedule for Commission meetings is subject to change on short notice. For more information or to verify the status of meetings, contact Denise McGovern at 301–415–0681 or via email at Denise.McGovern@nrrc.gov. The NRC Commission Meeting Schedule can be found on the Internet at: http://www.nrrc.gov/public-involve/public-meetings/schedule.html.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in these public meetings, or need this meeting notice or the transcript or other information from the public meetings in another format (e.g. braille, large print), please notify Kimberly Meyer, NRC Disability Program Manager, at 301–287–0739, by videophone at 240–428–3217, or by email at Kimberly.Meyer-Chambers@nrrc.gov. Determinations on requests for reasonable accommodation will be made on a case-by-case basis. Members of the public may request to receive this information electronically. If you would like to be added to the distribution list, please contact the NRC's Program Assistant, Office of the Secretary, Washington, DC 20555 (301–415–1969), or email Brenda.Aksulewicz@nrrc.gov.

Dated: June 8, 2016.

Denise L. McGovern,
Policy Coordinator, Office of the Secretary.

NUCLEAR REGULATORY COMMISSION

[Docket No. 50–423; NRC–2016–0109]

Dominion Nuclear Connecticut, Inc., et al.; Millstone Power Station, Unit No. 3

AGENCY: Nuclear Regulatory Commission.

ACTION: License amendment application; opportunity to comment, request a hearing, and petition for leave to intervene.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an amendment to Facility Operating License No. NPF–49, issued to Dominion Nuclear Connecticut, Inc., et al. (the licensee), for operation of the Millstone Power Station, Unit No. 3 (MPS3). The proposed amendment would revise the Technical Specifications (TSs) to enable the use of Dominion nuclear safety and reload core design methods for MPS3, address the issues identified in three Westinghouse communication documents, and update approved reference methodologies in the TSs. The amendment would also relocate certain equations, supporting descriptions, and surveillance requirements from the TSs to licensee-controlled documents.

DATES: Submit comments by July 13, 2016. A request for a hearing or petition for leave to intervene must be filed by August 12, 2016.

ADDRESSES: You may submit comments by any of the following methods (unless this document describes a different method for submitting comments on a specific subject):

• Federal Rulemaking Web site: Go to http://www.regulations.gov and search for Docket ID NRC–2016–0109. Address questions about NRC dockets to Carol Gallagher; telephone: 301–415–3463; email: Carol.Gallagher@nrc.gov. For technical questions, contact the

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Dated: June 8, 2016.

Denise L. McGovern,
Policy Coordinator, Office of the Secretary.