

Update on AECL Restructuring and the Canadian Neutron Beam Centre

Annual General Meeting of the Canadian Institute for Neutron Scattering
University of Saskatchewan
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Timeline of Events affecting CNBC

| Date | Event |
|----------|---|
| 2013 Mar | MOU 2013-2015: AECL and NRC agreed to maintain the CNBC until a federal government decision about a 'nuclear innovation agenda'. NRC provided resources. AECL operated and covered all costs of CNBC. |
| 2014 Nov | AECL nuclear laboratories was divided: • Canadian Nuclear Laboratories Ltd (CNL), a private company • AECL, a small Crown Corporation |
| 2015 Feb | The federal government announced its plan to close NRU in 2018 |
| 2015 Jun | Canadian National Energy Alliance (CNEA), a consortium of private companies, was identified as the preferred bidder to manage CNL |
| 2015 Aug | CNL created a Neutron Scattering Branch (NSB) |
| 2015 Aug | Half of the CNBC staff resigned from NRC, accepting positions with CNL |
| 2015 Aug | MOU 2015-2019: CNL and NRC agreed to maintain the CNBC 'for the anticipated operating life of the National Research Universal (NRU) reactor.' |
| 2015 Sep | The sole share of CNL was transferred from AECL to CNEA |

What CNEA and CNL are expected to do

<u>Canada's Objective</u> is that the Contractor will "...significantly transform AECL's Nuclear Laboratories to ensure that [Canadian Nuclear Laboratories] leverages its capabilities and resources to successfully: deliver nuclear S&T-related products and services to government and third-party customers, and fulfil decommissioning and waste management needs, collectively the 'Primary Missions', while containing and reducing costs and financial risks for Canadian taxpayers over time."

CNEA Shareholders:

- CH2M Hill Canada Limited
- EnergySolutions Canada Group Ltd
- SNC-Lavalin Inc.
- Fluor Government Group Canada Ltd

What CNBC is expected to do until NRU closes

CNBC: John Root

Enable hundreds of users to apply uniquely powerful neutron instruments and methods to advance programs of materials research and development.

CNL - NSB:

Mike O'Kane

Ron, Helmut, Zahra, Dimitry, Michael, Chad, Raymond, Roxana

CNL – Other

PDFs: Syed, Julien, Ahmed

AP: Lee

412: Randy

NRC (cnbc):

John Root

Daniel, Dave,
Derrick, Jimmy, Mark,
Niki, Shutao, Zin
Neutron beam lines:
C5, C2, D3, E3, L3, N5
Ancillary Equipment

Principles

- Safe workplace
- Cohesive, synergistic team, aligned with CNL direction
- Maximizing the value and impact produced by NRU until it shuts down



CNBC Challenges

- Retaining the staff complement for sustainable operation
- Maintaining staff morale and cohesion
- Sustaining high performance in times of uncertainty
- Fostering a vigorous and engaged user community
- Establishing partnerships to support a user-facility mission
- Settling a roadmap for the future of neutron scattering in Canada

Gaps in the CNBC staff complement have accumulated since ~2010

| April 1, 2015 | Sci. & Eng. | Tech. | Mgt / Admin | Post-Docs | TOTAL | Students | Emeritus |
|------------------|-------------|-------|----------------|-----------|----------------|----------|----------|
| Full Strength | 14 | 11 | 3 | 2-5 | 28 + Post-docs | 1 | 1 |
| Gaps | 4 | 4 | 1 | < 3 | 9 + Post-docs | | |

What can CINS and its members do?

Honour the CINS Objectives

- ✓ Encourage Canadian scientists to persist boldly, as CNBC users.
 - Organize schools and workshops.
 - Reach out to new users, students, and industry collaborators.
 - Communicate, advocate, collaborate, participate, facilitate ...
- ✓ Seize this leadership opportunity.
 - Help bridge the coming neutron gap, sustaining community capability.
 - Renew Canada's future capabilities for materials research with neutron beams.
 - Participate in national conversations and decision-making processes.
 - Express support and thanks to your colleagues at Chalk River.
- ✓ Lead, support, coordinate proposals for the tools we need:
 - A world-class neutron source;
 - · World-class neutron beam instruments; and
 - The operating support and framework that is most effective for users.
- ✓ Earn credibility: be responsible, respectful, resourceful.