

NWMO Youth Engagement Activity Report (as of November 2015)

Activity	Date
Youth Science Organizations	
Youth Science Canada - NWMO Sponsorship of Team Canada for the MILSET Expo-Sciences International Competition (44 youth from across Canada)	2008-2011
Canada-wide Science Fair - Tradeshow Participation	2008 - 2014
Toronto Wide Science Fair - judging	2010-2014
Youth Science Canada - NWMO Support for Bronze medal winners at Canada-Wide Science Fair	2012 - 2014
Youth Science Canada - Bluewater Region Science and Technology Fair -Senior Fair -NWMO Award - Junior Fair - NWMO Sponsorship of the Chair's Challenge	2013 - 2014
Actua Sponsorship - NWMO sponsorship of Aboriginal Youth science camps and workshops	2009 - 2010
Community Investment Program - NWMO grants for local projects involving youth and community engagement.	2009-2010
Presentation and Hands-on Activities to the Girls Science Club (Grade 5 students) focused on rocks, minerals, fossils and "What Do Geologists Do"?	Spring 2010
Shad Valley Summer Enrichment Program - Bursaries to high-achieving students and presentations on "Long-term Management of Canada's Used Nuclear Fuel" (Lakehead University, University of New Brunswick, Queen's University, University of Waterloo, McMaster University, Carleton University, University of Saskatchewan)	2010-2015
Shad 2014 summer presentations delivered to students at the following universities: NB, Lakehead, Saskatchewan, Queen's and Carleton	Summer 2014
Shad 2015 summer presentations to students at UNB, Lakehead, McMaster, Carleton and Queen's universiites	Summer 2015
Science North - School Outreach Program	2013-2015
NWMO sponsors in-school science workshops - 2013 and 2014 sponsorship included sponsorship in First Nation communities	
University of Saskatchewan Science Ambassador program	2013 - 2015
Scientists in Schools - School Outreach Program	2013 - 2015
NWMO sponsorship of in-school workshops in Huron-Bruce region	
School Science Programs (Elementary, Secondary)	
Presentation to Humewood Community School on energy and the nuclear fuel cycle. Presentation included models and the transportation demonstration test videos.	May, 2010
Pinehouse School Presentation	Jan 19, 2011
English River First Nation Open House - Student Participation	April 1, 2011
English River First Nation Open House - Student Participation	April 1, 2011
Pinehouse Open House School Presentation	April 4, 2011
Pinehouse Open House School Presentation	April 4, 2011
Pinehouse Open House - Student Participation	April 5, 2011

Activity	Date
Ignace Open House School Presentation	April 12, 2011
Ignace Open House - Student Participation	April 13, 2011
Ignace Open House School Presentation	April 14, 2011
Ear Falls Open House - Student Participation	May 10, 2011
Ear Falls Open House School Presentation	May 11, 2011
Ear Falls Open House - Student Participation	May 12, 2011
Hornepayne Open House School Presentation	May, 2012
Wawa Open House School Presentations	May, 2012
Schreiber Open House	June 20, 2011
Schreiber Open House School Presentation	June 21, 2012
Wawa Open House	October 26, 2012
Wawa Open House - Student Participation	October 27, 2012
Hornepayne Open House School Presentation	June 17, 2012
Schreiber Open House School Presentation	June 20, 2012
Schreiber Open House School Presentation	June 21, 2012
Elliot Lake Open House - School Visit	September 17, 2012
Elliot Lake Open House - School Visit	September 18, 2012
Blind River Open House - School Visit	September 21, 2012
Blind River Open House - School Visit	September 21, 2012
Arran-Elderslie Open House School Visit	October 11, 2012
Schreiber Open House School Presentation	October 22-23, 2012
Wawa Open House School Presentations	October 26, 2012
Wawa Open House School Presentations	October 27, 2012
English River First Nation Open House School Presentation	October, 2012
White River Open House School Presentation	November 28-29, 2012
Ear Falls CLC - Highschool Presentation	May, 2013
Information session for Ear Falls youth Grades 7/8 and Mayor Kahoot at Toronto Learn More Centre	June 11, 2013
Dr. Jeremy Whitlock presented to North of Huron area schools	Spring 2014
Ignace Open House - High School environmental science class briefing/visit	February 20, 2014
Donated to Ignace School and French School breakfast programs	March 2014
Hornepayne Open House-school visit	March 3&4 2014
Schreiber Open House-school visit	March 5&6 2014

Activity	Date
White River Open House-school visit	April 8&9 2014
Manitouwadge Open House-school visit	April 10-12 2014
South Bruce Open House - Mildmay school visit	May 13, 2014
Brockton Open House - Walkerton school visit	May 16, 2014
Brockton Open House - Formosa school visit	May 16, 2014
Elliot Lake Open House - Esten public school visit	May 21, 2014
Blind River Open House - St. Mary's school visit	May 26, 2014
White River UFTP visit-school visit	June 1&2 2014
Hornepayne UFTP visit-school visit	June 3 2014
Ignace School Grade 7/8 class trip to NWMO's Toronto LMC	June 9, 2014
Ignace student briefing at Open House	June 9, 2014
Manitouwadge UFTP visit-school visit	June 13 2014
Ignace High School graduation - 3 awards provided by NWMO	June 19, 2014
Provided information and pens/bags etc to Ignace Recreation Department's "Youth Around the World" Day	July 13, 2014
Supported Creighton's Canada Day event	July 2014
Schreiber UFTP visit-school visit	July 16&17 2014
Elliot Lake Open House - ELSS, Esten Park PS and VFJ school visits	March 23, 2015
Elliot Lake Open House - ELSS, Central Ave PS, Our Lady of Lourdes and Georges Vanier school visits	March 24, 2015
Ignace School presentations to four classrooms	April 15, 2015
White River Open House - student group visit	March 9/10, 2015
Manitouwadge Open House-student group visit	March 11/12, 2015
Hornepayne Open House - student group visit	July 15, 2015
Manitouwadge Open House-student group visit	July 17/18, 2015
Blind River Open House - school visit	March 23/24, 2015
Community Liaison Committee - Youth Representation	
Creighton Community Liaison Committee - 1 Youth Member	2012 - 2014
Ear Falls Community Liaison Committee - 1 Youth Member	2012
Hornepayne Community Liaison Committee - 3 Youth Members	2012 -2014
Schreiber Community Liaison Committee - 1 Youth Member	2012 -2014
English River First Nation (ERFN) Community Liaison Committee - 2 Youth Members	2012
Pinehouse Community Liaison Committee - 2 Youth Members	2012
Spanish CLC sponsored a Science North youth camp at Sagamok First Nation	July 2014

Activity	Date
Ignace CLC hired university summer student for LMC, student also had the opportunity to job shadow NWMO staff	Spring and Summer 2014
Ignace CLC hired high school summer student for LMC	Summer 2014
Ignace high school summer student setting up youth information lunches	Fall 2014
Ignace CLC to provide a co-op student opportunity at CLC	Fall 2014
South Bruce CLC appoints 1 youth member	2014, 2015
Ignace CLC hires university student (spring/summer) and high school summer student	2015
Ignace CLC youth sub-committee appointed	April 2015
Ignace youth sub-committee hosts youth BBQ	July 7, 2015
Ignace youth sub-committee attends Kids Fest event with NWMO table	July 12, 2015
Ignace - WLON youth photography project	August 11, 2015
Ignace youth bus trip to Dryden Fair to see UFTP exhibit	August 27-29, 2015
Post-Secondary Presentations	
Technical	
Presentation to Geology students (4th Year) on the NWMO and Deep Geological Repository project (Queen's University)	November, 2006
Presentation to Geology students (4th Year) on the NWMO and Deep Geological Repository project (Queen's University)	November, 2007
Presentation to 4th Year Engineering students on nuclear waste management and corrosion issues of used fuel containers (University of Ottawa)	April, 2008
Presentation to Geology and Geological Engineering students on the "Long-term Management of Canada's Used Nuclear Fuel" with a special focus on the NWMO's geoscience research and development program. (Queen's University)	October, 2008
Presentation to the Masters Engineering students on the management of low and intermediate level radioactive waste (University of Western Ontario)	June, 2009
Presentation to Geology and Geological Engineering students on the "Long-term Management of Canada's Used Nuclear Fuel" with a special focus on the NWMO's geoscience research and development program. (Queen's University)	October, 2009
Presentation to Nuclear Engineering students (4th Year) on Adaptive Phased Management and the "Long-term Management of Canada's Used Nuclear Fuel" (University of Ontario Institute of Technology)	October, 2009
Presentation to Occupational Health and Safety students on nuclear waste management. (Ryerson University)	November, 2009
Presentation to UOIT Graduate students on the APM Technical Program (University of Ontario Institute of Technology)	March, 2010
Presentation to 4th Year Engineering students on nuclear waste management and used fuel container design (University of Ontario Institute of Technology)	May, 2010
Presentation to University of Western Ontario Professors of Civil Engineering on the APM Technical program (University of Western Ontario)	December, 2010
Guest Lecture to the Research Seminar in Environmental Science on "Long-term Management of Canada's Used Nuclear Fuel" (University of Toronto - Scarborough Campus)	February, 2011

Activity	Date
Presentation to the Microbiology Research Group on "Long-term Management of Canada's Used Nuclear Fuel" (Ryerson University)	February, 2011
Presentation to the Mining Engineering Department on the research, development and design aspects of the APM deep geological repository project (Queen's University)	March, 2011
Presentation "Overview: Ontario Power Generation's Proposed Deep Geologic Repository" (LILW) (University of Guelph)	June, 2011
APM presentation to Durham College	June 18, 2011
Presentation to 4th Year Engineering students on nuclear waste management and used fuel container design (University of Ontario Institute of Technology)	October, 2011
Presentation " An Introduction to Hydrogeologic Aspects of the Deep Geological Repository Concept for Nuclear Waste Management" (University of Toronto)	October, 2011
Presentation "Siting of the Canadian Used Nuclear Fuel Deep Geological Repository"	November, 2011
Seminar Presentation "The Nuclear Waste Management Organization: Geosciences Overview"	November, 2011
Presentation: "An Introduction to Canada's Adaptive Phased Management (APM) Plan for Used Nuclear Fuel/Overview of NWMO's APM Geoscience Applied Research Program" and "Glaciation and Geosphere Evolution - Greenland Analogue Project" (Course: Current Questions in Mathematics and Sciences") (University of Toronto - Scarborough Campus)	January, 2012
Seminar Presentation: "The Nuclear Waste Management Organization: Geosciences Overview" (University of Ottawa)	January, 2012
Guest Lecture: "An Introduction to Canada's Adaptive Phased Management (APM) Plan for Used Nuclear Fuel/Overview of NWMO's APM Geoscience Applied Research Program" and "Microbiological Considerations for the Performance of a DGR for Used Nuclear Fuel" (Course: Research in Environmental Science) (University of Toronto - Scarborough Campus)	February, 2012
Guest Lecture: "An Introduction to Canada's Adaptive Phased Management (APM) Plan for Used Nuclear Fuel/Overview of NWMO's APM Geoscience Applied Research Program" (Joint Course: - Environmental Engineering and Department of Earth and Environmental Sciences) (University of Waterloo)	February, 2012
APM presentation to Environmental Impact Assessment Class at University of Guelph	February 16, 2012
Seminar Presentation: "The Nuclear Waste Management Organization: Geosciences Overview" (McGill University)	March, 2012
Guest Lecture: "An Introduction to Canada's Adaptive Phased Management (APM) Plan for Used Nuclear Fuel/Overview of NWMO's APM Geoscience Applied Research Program" (Course: EES1106 Master of Environmental Science) (University of Toronto - Scarborough Campus)	March, 2012
Guest Lecture: "An Overview of NWMO's Geoscience Activities in Support of a Deep Geological Repository for Used Nuclear Fuel" (Course: Earth Processes, Resources and the Environment) (University of New Brunswick)	March, 2012
Seminar Presentation: "Overview of Engineering Design, Research & Development - The Long-Term Management of Canada's Used Nuclear Fuel " (Queen's University)	October, 2012
Guest Lecture: "The Nuclear Waste Management Organization: Geosciences Overview" (University of Toronto)	October, 2012
Guest Lecture: "The Nuclear Waste Management Organization: Geosciences Overview" (University of Calgary)	November, 2012
GeoEngineering Centre - Graduate Lecture Series: "The Nuclear Waste Management Organization: Geosciences Overview" (Queen's University)	November 14, 2012

Activity	Date
Guest Lecture: "The Nuclear Waste Management Organization: Geosciences Overview"(Course: 3rd Hydrogeology) (Queen's University)	November 14, 2012
Course Project Support - Nuclear Waste Management (University of Calgary)	November 2012
Guest Lecture: Department of Physical and Environmental Science (Univeristy of Toronto - Scarborough Campus) "An overview of microbiological research programs supporting the development of a deep geological repository for used nuclear fuel"	January 22, 2013
Presentation to Science Communications class Laurentian University (at Science North, Sudbury)	January 24, 2013
Guest Lecture on Microbiology Research Programs: Department of Physical and Environmental Science (Univeristy of Toronto - Scarborough Campus)	January 28, 2014
Guest Lecture on Microbiology Research Programs: Department of Physical and Environmental Science (Univeristy of Toronto - Scarborough Campus)	February 5, 2014
Guest Lecture on Microbiology Research Programs: Department of Physical and Environmental Science (Univeristy of Toronto - Scarborough Campus)	March 20, 2014
Guest lecture on Site Characterization: McGill University	May 6, 2014
Grad students from U of Ottawa, Waterloo, Queen's, McMaster, NB, Saskatchewan and U of Bern participated in annual Geoscience Seminar	June 10 and 11, 2014
Guest Lecture on APM and geoscience research program: McMaster University, Depatment of Engineering Physics	November 18, 2014
APM presentation to University of Toronto, Scarborough campus	March 24, 2015
APM presentation to Dalhousie University (Chemistry/Biochemistry)	June 2015
APM presentation to University of Toronto (St. George) (Chemical Engineering)	June 2015
APM presentation to Ilan University (Taiwan) (Chemistry and Engineering)	October 2015
APM presentation to University of Ontario Institute of Technology (Nuclear Engineering)	November 2015
APM presentation to University of ETH Zurich (Graduate Geologic Enginneering Class)	April 21, 2015
APM presentation to McGill (Undergraduate Geotechnical Engineering)	November 9, 2105
University of Toronto "Backpack to Briefcase" career event	November 5, 2015
APM presentation York University (Engineering)	November 16, 2015
APM presentation University of Ontario Institute of Technology (CNS Fuel Course)	October 6, 2015
APM presentation University of Ontario Institute of Technology (4th Year Engineering)	October 19, 2015
Presentation about sustainable engineering to Queen's University	2015
Social	
Presentation to University of Toronto, Environmental Studies	January 2005
Presentation to University of Toronto, Environmental Studies	April 11, 2005
Presentation to University of Ontario Institute of Technology, Engineering Class	May 18, 2011
Presentation to Canadian Business Ethics Research Network	October 1, 2007
Presentation to Canadian Business Ethics Research Network	May 30, 2008
Presentation to the University of Guelph Graduate Class: Engaging Communities in Public Planning" (University of Guelph)	October 19, 2011
Presentation to the University of Guelph Undergraduate Class: Environmental Impact Assessment (Dept. of Geography) (University of Guelph)	February 16, 2012

Activity	Date
Presentation to Environmental Concerns class Georgian College (Collingwood Campus)	December 5, 2012
Presentation to Laurentian University, Science Communications Class, Sudbury Campus	January 24, 2013
Presentation about regulatory affairs to Carleton University	2015
Presentation to University of Ontario Institute of Technology, Advanced Topics in Radioactive Waste Management	March 25, 2015
Postgraduate Studies	
Natural Sciences and Engineering Research Council (NSERC) - Support to 7 candidates through the Industrial Postgraduate Scholarships (IPS) Program since 2009. (University of Toronto, University of Waterloo, University of New Brunswick, Queen's University)	2009 - present
Ph.D. Candidate Mike Makahounak , Thesis "Water/Rock Interaction Related to Mineralogy, Paleoclimate, and Long Term Rock Stability Studies" (University of Waterloo)	2010 - present
Ph.D. Candidate Magda Celejewski, Thesis "Porewater extraction from low porosity sedimentary rocks" (University of New Brunswick)	2011 - present
Support to Chair, Indigenous Governance (Ryerson University)	2009-2011
Support to Chair, Nuclear Fuel Disposal Chemistry (University of Western Ontario)	2006 - 2010
Since 2011, NWMO has sponsored and worked with the University Network of Excellence in Nuclear Engineering (UNENE)	2011 to present
At the UNENE annual workshop in December 2014 three poster winners presented on work funded by the NWMO	2014
NWMO and Natural Sciences and Engineering Research Council (NSERC) jointly award grant to U of Ottawa (research in hydrogeochemistry)	2015
Ph.D. Candidate Cornelia Wigger, presented paper at 2015 Clay Conference (University of New Brunswick)	2015
Ph.D. Candidate Thalia Standish conducts NWMO/NSERC funded work at US DOE Argonne National Laboratory (Western)	2015
Career Fairs, Summer and Cooperative Education Students	
2 Students hired - Aboriginal Relations	2008
2 Co-operative Education students hired - Repository Engineering and Regulatory Affairs	2010
2 Co-operative Education students hired - Repository Engineering	2011
2 Summer Students hired - 1 Regulatory Affairs, 1 Used Fuel Container Development.	2012
1 Summer Student hired - Repository Safety	2013
2 Summer Students hired - Design and Construction	2014
Student and Young Professional Science Associations	
Presentation to students in attendance at the Canadian Nuclear Association (CNA) Conference focused on the NWMO, future growth and job opportunities	February, 2008
Presentation to Women in Nuclear (WIN) - Youth Participation	October 25, 2012

Activity	Date
NWMO sponsored two students to attend the 2014 annual WIN conference	September 24-25, 2014
Aboriginal Youth Forums	
Youth Outdoor Wellness Conference (Ile-a-la-Crosse, SK, Friendship Centre)	2005 - 2011
NWMO Summer Student Project - Projects to explore two-way communication with Aboriginal peoples and build awareness and understanding	2007-2008
NWMO Elders Forum #4 - Youth Participation and Seperate Youth Meeting NWMO Elders Forum #5 - Youth Participation NWMO Elders Forum #6 - Youth Participation NWMO Elders Forum #7 - Youth Participation and Seperate Youth Presentation NWMO Elders Forum #8 - Youth Participation NWMO Elders Forum #9 - Youth Participation NWMO Elders Forum #10 - Youth Participation and Seperate Youth Meeting	June 4, 2008 March 31, 2009 July 28, 2009 July 13, 2010 October 21, 2010 July 2011 November 2011
Niigani Meetings 2008 - Youth Attendance Niigani Meetings 2009 - Youth Attendance Niigani Meetings 2010 - Youth Attendance	February 25, 2008 March 28, 2008 September 15, 2008 November 12, 2008 January 22, 2009 February 18-20, 2009 June 10, 2009 September 13-14, 2009 November 23-25, 2009 March 2, 2010 March 31, 2010 May 19, 2010 September 28-29, 2010 November 30, 2010 December 2, 2010
Aboriginal Energy Forum (Niigani Youth Participation)	2007
"Youth Understanding Used Nuclear Fuel Seminar" (Niigani Youth)	May 21-22, and October 22-2010
Niigani Youth participation at Chiefs of Ontario Dialogue Meeting	November 16-20, 2009

Activity	Date
Traditional Knowledge Project and follow-up Traditional Knowledge Workshop - Niigani Youth Participation	2008
Community Involvement Project - Niigani Youth Participation	2010
Youth Information Session - Grand Council Treaty #3	August 22, 2012
Giihimidowing Gidakiiminaan – Keeping, Respecting and Caring For Our Land - Treaty #3 Youth & Elder Forum	
Nishnawbe Aski Nation - Embrace Life Forum Information booth	March 7-8, 2013
Assembly First Nations Youth Council, APM Presentation	March 9, 2013
Grand Council Treaty #3 Youth Executive Council Meeting NWMO Briefing	March 17-18, 2013
Fort William First Nation Mining Conference - Information Session - NWMO booth	March 25-26, 2013
Pays Plat First Nation - Information Booth at Pays Plat Cultural Awareness Week	July 23, 2013
Metis Nation of Ontario Annual General Assembly	August 24-26, 2013
Federation of Saskatchewan Indian Nations, Youth Leadership Conference	November 20, 2013
AFN National Youth Summit - Saskatoon	November 19-21, 2013
Council of Elders Youth Sub-committee meeting - NWMO Toronto office	February 13, 2014
Council of Elders Youth Sub-committee meeting - NWMO Toronto office	March 18, 2014
Council of Elders Meeting # 5 - youth participation	April 15-17, 2014
APM briefing to Sagamok Anishnawbek Elders, Youth and First Responders	May 22, 2014
Biidgaaban Grade 8 student briefing, Sagamok First Nation - Spanish Open House	May 22, 2014
FSIN Youth Conference - Saskatoon	May 28-29, 2014
Council of Elders Youth Sub-committee meeting - NWMO Toronto office	May 30, 2014
Serpent River First nation youth group introductory presentation	June 2, 2014
Council of Elders Aboriginal Traditional Knowledge Policy Working Session - youth participation	July 7, 2014
Council of Elders Orientation - youth participation	July 8,9, 2014
AFN National Youth Council Meeting - Halifax	July 12, 2014
AFN 5th National Youth Summit - Halifax	July 13, 2014
Pays Plat First Nation Cultural Awareness Week, including Thunder Bay Multicultural Regional Youth Council - Opening Ceremony and Sharing Circle	July 21, 2014
Pays Plat First Nation Cultural Awareness Week, including Thunder Bay Multicultural Regional Youth Council - with UFTP	July 24, 2014
Council of Elders & Grand Council of Treaty #3 Joint Meeting - youth participation	September 3 -5, 2014
Creighton Geologic Features Meeting - youth participation	September -6, 2014
Grand Council Treaty #3 Youth Council Meeting - youth participation	October 11, 2014
Community Well-Being Workshop - youth participation	November 6-7, 2014

Activity	Date
Council of Elders Meeting #6 - youth participation	November 10-12, 2014
Ignace Aboriginal Day - funding provided for children's activities	June 20, 2014
Constance Lake First Nation career fair	February 19-20, 2015
Council of Elders youth dry storage tour at PWF	March 3, 2015
Council of Elders youth meeting	March 3, 2015
Grand Council of Treaty #3 youth career forum	March 17, 2015
Council of Elders youth meeting	March 4-5, 2015
Sagamok Anishnawbek career fair	May 7, 2015
NAN youth scholarship meeting (two youth)	May 11-12, 2015
MKO dry storage tour and briefing	May 26, 2015
CNS Conference youth involvement (two youth)	May 31-June 3 2015
Sagamok Anishnawbek Treaty Days	June 19, 2015
Fisherman's Pow Wow	June 30 - July 1, 2015
Council of Elders youth meeting	July 7-9, 2015
ELNOS Aboriginal Youth Empowerment Project, Dynamic Earth and Science North visit and Biscotasing tour	July 8-10, 2015
NAN youth games	July 10-11, 2015
Pays Plat First Nation Cultural Awareness Week	July 21-24, 2015
WLON youth photography workshop	August 11, 2015
Sagamok Anishnawbek youth conference	August 25, 2015
Dryden Fair youth involvement	August 27-28, 2015
Council of Elders youth meeting	September 2-3, 2015
WLON Traditional Keepers Workshop	August 14, 2015
Chapleu Cree First Nation cultural awareness youth camp	August 14-15, 2015
Council of Elders youth meeting	October 28-30, 2015
NWMO Youth Roundtable	
NWMO Youth Roundtable	2008-2009
NWMO Progress Report to Youth Roundtable	2010
Social Research and Dialogue	
E-Dialogues Among Young Canadians	November 29, 2004
Public Attitude Research Surveys	2003, 2004, 2005, 2008,

Activity	Date
Citizen Panels - (2007) Phase 1 - General Review of NWMO Materials; (2008) Phase 2 - Review of Summary of Study Findings and Explored Objectives; Phase 3 - Draft Implementation Plan; Phase 4 - Developing the Site Selection Process	2007, 2008
Multi-Party Dialogues	September and October 2008 - 2009
Focus Groups (4) - NWMO Backgrounder	May 2010
Focus Groups (4) - NWMO Exhibit	October 2010
Communications Materials and Resources	
Online Virtual Exhibit (in development)	2013 -14