

NWMO Citizen Panels Report, Phase I: Panel Three

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Navigator Ltd.

nwmo

NUCLEAR WASTE
MANAGEMENT
ORGANIZATION

SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES



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Nuclear Waste Management Organization

The Nuclear Waste Management Organization (NWMO) was established in 2002 by Ontario Power Generation Inc., Hydro- Québec and New Brunswick Power Corporation in accordance with the *Nuclear Fuel Waste Act (NFWA)* to assume responsibility for the long-term management of Canada's used nuclear fuel.

NWMO's first mandate was to study options for the long-term management of used nuclear fuel. On June 14, 2007, the Government of Canada selected the NWMO's recommendation for Adaptive Phased Management (APM). The NWMO now has the mandate to implement the Government's decision.

Technically, Adaptive Phased Management (APM) has as its end-point the isolation and containment of used nuclear fuel in a deep repository constructed in a suitable rock formation. Collaboration, continuous learning and adaptability will underpin our implementation of the plan which will unfold over many decades, subject to extensive oversight and regulatory approvals.

NWMO Social Research

The objective of the social research program is to assist the NWMO, and interested citizens and organizations, in exploring and understanding the social issues and concerns associated with the implementation of Adaptive Phased Management. The program is also intended to support the adoption of appropriate processes and techniques to engage potentially affected citizens in decision-making.

The social research program is intended to be a support to NWMO's ongoing dialogue and collaboration activities, including work to engage potentially affected citizens in near term visioning of the implementation process going forward, long term visioning and the development of decision-making processes to be used into the future. The program includes work to learn from the experience of others through examination of case studies and conversation with those involved in similar processes both in Canada and abroad. NWMO's social research is expected to engage a wide variety of specialists and explore a variety of perspectives on key issues of concern. The nature and conduct of this work is expected to change over time, as best practices evolve and as interested citizens and organizations identify the issues of most interest and concern throughout the implementation of Adaptive Phased Management.

Disclaimer:

This report does not necessarily reflect the views or position of the Nuclear Waste Management Organization, its directors, officers, employees and agents (the "NWMO") and unless otherwise specifically stated, is made available to the public by the NWMO for information only. The contents of this report reflect the views of the author(s) who are solely responsible for the text and its conclusions as well as the accuracy of any data used in its creation. The NWMO does not make any warranty, express or implied, or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of any information disclosed, or represent that the use of any information would not infringe privately owned rights. Any reference to a specific commercial product, process or service by trade name, trademark, manufacturer, or otherwise, does not constitute or imply its endorsement, recommendation, or preference by NWMO.



NAVIGATOR

NWMO Citizen Panel Report Regina, Saskatchewan

NUCLEAR WASTE MANAGEMENT ORGANIZATION
REGINA, SASKATCHEWAN CITIZEN PANEL REPORT
DECEMBER 2007

WHAT ARE CITIZEN PANELS?

Building on previous qualitative research studies, the NWMO contracted Navigator to initiate Citizen Panels in 8 cities across Canada. The goal of the Citizen Panel project was to further explore the feelings, attitudes and perceptions of Canadians toward the long-term storage of Canada's spent nuclear fuel.

The Citizen Panel project is markedly different than the qualitative research projects that have preceded it. The intent of the Citizen Panel format used in this project is to allow for the discussion to be formed and driven by the views of the individual Panelists. These Panelists have had a brief introduction to the NWMO and are aware of rudimentary facts surrounding Canada's used nuclear fuel such that an informed discussion can occur.

WHAT IS NAVIGATOR?

Navigator is a research-based public affairs firm that works with companies, organizations and governments involved in the public policy field.

Navigator has grown to become a diverse firm with consultants from a variety of backgrounds who have excelled in the fields of journalism, public opinion research, politics, marketing and law.

Our strategic approach can be summed up as: *"Research. Strategy. Results."*

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1. NWMO CITIZEN PANEL BACKGROUND

a. Citizen Panel

The Regina, Saskatchewan Phase One Citizen Panel was held on November 5, 2007 at Brown Communications, a neutral third party facility in Regina's downtown core.

The Panel was held over three hours from 6PM to 9PM with 13 Panelists in attendance. Jaime Watt, a Navigator research professional, acted as Discussion Leader.

A general outline of discussion objectives, as well as discussion materials intended to guide the work of the Panel were prepared in advance of the Citizen Panel. Reproductions of all materials shown to the Panel can be found at the end of this report as appendices.














b. Panelist Profile

In order to ensure that Panelists speak openly and freely over the course of this research, the individual identities of Panelists will remain protected and not revealed to the NWMO at any point of the project. Contact with Panelists is managed exclusively by a dedicated Panel manager and each Panelist has been given an identifier code to ensure anonymity in all accessible Panel documents. All personal information and contact reports are stored separately and controlled by the Panel manager.

While verbatim comments are used through this report, the identification will be only by Panel or by unique Panelist identifier code, but never by name.

Panelists have agreed to offer additional information, including their gender and one additional fact about their lives to make the Panel reporting richer for the reader.

Below are the profiles of the Regina Panelists by Panelist identifier code:

	City: Regina Age: 25-34 Gender: Female Occupation: Employed full-time as a telephone operator		City: Regina Age: 45-54 Gender: Male Occupation: Employed full-time as an IT Manager
Panelist: R-1A		Panelist: R-8A	
	City: Regina Age: 45-54 Gender: Male Occupation: Employed full-time as a Credit Representative		City: Regina Age: 65+ Gender: Male Occupation: Retired
Panelist: R-2A		Panelist: R-9A	
	City: Regina Age: 25-34 Gender: Female Occupation: Employed part-time as a Teaching Assistant at the University		City: Regina Age: 25-34 Gender: Female Occupation: Employed full-time in human resources
Panelist: R-3A		Panelist: R-10A	
	City: Regina Age: 45-54 Gender: Male Occupation: Employed full-time as an Interior Designer		City: Regina Age: 25-34 Gender: Female Occupation: Employed part-time as a teacher
Panelist: R-4A		Panelist: R-11A	
	City: Regina Age: 45-54 Gender: Male Occupation: Employed full-time as an insurance underwriter		City: Regina Age: 55-64 Gender: Male Occupation: Employed full-time as a director
Panelist: R-5A		Panelist: R-12A	
	City: Regina Age: 65+ Gender: Male Occupation: Retired		City: Regina Age: 55-64 Gender: Male Occupation: Retired
Panelist: R-6A		Panelist: R-13A	
	City: Regina Age: 55-64 Gender: Female Occupation: Employed part-time in joint advocacy		
Panelist: R-7A			

c. Panel Methodology

These Citizen Panels have been designed, as much as possible, as collaborative discussions facilitated by a Discussion Leader. They are separate and apart from focus groups in that they empower individual Panelists to raise questions and introduce new topics. The role of the Discussion Leader, in this format, is merely to introduce new topics of discussion and lead the Panel through a number of discussion exercises.

As well, additional measures were incorporated into this Citizen Panel format to empower individual Panelists. Each Panelist was made aware of their independence and responsibilities to both contribute to, and lead, the Panel discussion. A transcriber, traditionally taking contemporaneous notes behind one-way glass or in another room, was, in this case, placed inside the discussion room. Panelists were empowered to direct him or her to take special note of elements of the Panel discussion they felt were important, or ask him or her to recap any part of the discussion upon request. A commitment was made by the Discussion Leader that the notes taken would be sent to Panelists for review, possible revision and approval, to help Panelists have faith they are in control of the proceedings and ensure their contribution is reflected accurately.

Potential Panelists were originally selected through random digit dialling among a general population sample in the wide area in which each Panel was held. Individuals called underwent a standard research screening survey in which they indicated that they were interested and able to participate in a discussion about a general public policy issue with no advance notice of the specific topic. Individuals were screened to include community-engaged opinion leaders in at least one of these topics: community, environment, and/or public/social issues. Those that passed the screening process were asked to participate in a traditional focus group on the perceived trust and credibility of the NWMO, which allowed an introduction to the topic of used nuclear fuel and topics such as Adaptive Phased Management. The discussions were neutral in tone and did not pre-suppose any outcome on issues such as nuclear power generation and siting for used nuclear fuel.

At the end of this research study, participants were asked if they would be willing to continue in discussions on the topic of used nuclear fuel. Those that expressed interest were placed on a “short list” of potential Panelists for the four-phased Citizen Panel project. Research professionals at Navigator subsequently used this pool to select Panelists that would ensure a diversity of age, gender and experience in the Panels. Only participants who demonstrated both a willingness and ability to contribute to group discussion and complete exercises were included in the pool. The content of each participant’s contribution in the focus groups was not reviewed by Navigator professionals. Rather, the only qualifiers were that individuals could speak clearly and were able to grasp concepts introduced to them at a basic level.

A target Panel population of 18 was determined for each location in the interest of ensuring the long-term viability of each Panel over the course of four discussions.

This Panel report is, to the best of Navigator's abilities, a faithful rendering of the discussion held in Regina and stands alone as a record of the Citizen Panel discussion on November 5, 2007. A larger aggregate report on this wave of Panel discussions, including the Panels in Montreal, Toronto, Sault Ste. Marie, Scarborough, Saint John, Saskatoon, and Kingston has also been submitted to the NWMO.

2. GENERAL IMPRESSIONS

The Regina Citizen Panel started with a discussion of conversations Panelists had engaged in with friends, family and associates after their participation in the research phase from which they were recruited.

Many Panelists indicated that bringing up the subject of nuclear waste turned into conversation on environmental issues in Canada. Most reported some conversation with their family members, as well as a new attentiveness both themselves and their family members now had to issues concerning nuclear waste television or in magazines. Some expressed their own surprise, or the surprise of the people they spoke to, at being asked about the issue and to be involved in a consultative process on the subject.

A number of Regina Panelists were anxious about Saskatchewan being included on the list of provinces that possess waste and, as a result, possible candidates as host of a long-term storage solution. The anxiety was often expressed as being a “little province” that could be forced to take the waste of larger more powerful provinces.

References to quotes in the NWMO brochure attributed to city and province, such as “Saskatoon, Saskatchewan,” rather than individual provoked mild debate among some of the Panelists and seemed to distract from the intent of placing the quotations in the brochure. In general, however, the Regina Citizen Panel liked the NWMO brochure and believed it was a sincere attempt to share information with the general public.

One Panelist proposed that the NWMO should be in touch, or working with, provincial environmental associations. However, there was debate among some Panelists as to how prevalent the issue of nuclear waste management has been in Saskatchewan, with reference to no knowledge of it ever having been debated in the provincial legislature. However, one Panelist suggested it was considered at the convention of at least one political party.

The Regina Panel felt somewhat disconnected from the centre of the country, suggesting that the NWMO was an entity that was distant from them. They had not heard of the organization outside of these discussion groups, and while they were impressed with the stated consultations to date, they generally remained nervous about their voice as a small western province being heard.

The Regina Citizen Panel would like to hear from an NWMO representative in future, but felt they were not yet ready for a representative at the next Panel. They would like to continue the discussion and have more time to engage each other and review materials.

Regina Panelists were of the mind that the research was both the most important and the most appropriate strategic objective for the organization.

3. PANEL NOTES

a) Disclaimer

The attached are contemporaneous notes taken by a transcriber positioned in the room with the Panelists. The transcriber was taking direction from the Citizen Panel on specific points of interest. The following is not an official transcript, but a best effort to capture the sense of discussion with some granularity.

Panel notes will be reviewed by all Panelists, with each having an opportunity to revise (add or subtract) their individual contributions such that the notes then stand as a clearer rendering of the Panel discussion.

The transcriber for this panel was Courtney Glen, a Navigator research professional.

b) Panel Notes

Report of the Regina NWMO Citizen Panel
First Meeting
5 November 2007

General Discussion:

[Discussion Leader]: **Did anyone talk about used nuclear fuel after the last group?**

- R-5A: I was made aware of a lot of facts that night. I talked with my wife about it because she has an interest in all things being planet earth. I learned facts the average Canadian is not aware of. I discussed it the next day and that was about it on my end.
- R-11A: It peaked my interest and did some research. Then there was an article in Macleans. It was very good and enriched my understanding of it. It made reference to historical events that I was not aware of.
- R-2A: It opened up my eyes on a few things. At least they're planning this stuff, it's not just people in Ottawa making these decisions. The last group was first time I was aware of this process. It looks like there's a track, its government approved and now they will go on and do it. This is ongoing talking and getting peoples ideas.
- R-6A: I discussed process with my family. My oldest son, he and Suzuki are on the same page. I'm glad I'm a part of it so I know that we as citizens are able to play a part in the process. In the brochure, what really caught my eye is that there is a limitation to the trust fund. I think this is very wrong, there should be no limit at all.

[Discussion Leader]: **Did anyone see anything in the media? Talk to anyone about this?**

R-10A: I talked to friends. It started as an environmental discussion and then it turned into politics. My friends were being sceptics about it, talking about pros and cons. I made a point before coming back to not do research so could come back with an open mind.

R-3A: I talked to my husband. He has been trying to talk to me about it ever since and I do not want to talk about it. My husband did research but I didn't want to know, I wanted, as well, to come back with an open mind. Other than conversations with him, I have not seen too much in the media.

R-4A: I haven't thought too much since the last group. It was very informative and sparked my interest, but I lean more towards solar energy and wind power. Living in Saskatchewan and the wind in the prairies, it should be sustainable but it isn't.

R-8A: I talked to a few people at work and my son. I gave him a brief overview. I stated that I was glad to be part of the process instead of on the outside.

R-13A: I talked to my brother and wife about it. I also have breakfast with a group of professionals every month. The conversation duck tailed and I was looking for things in the media but not too much about it. But is in the media in the sense that the environment is covered every day in the media.

R-12A: I had a number of discussions. I asked people for their opinion. It's an issue that is more polarizing without a lot of information. People are either for or against but are pressed to say why. There's not a lot of information or solid fact to back it up. There are physical aspects or environmental aspects only that, in my opinion, would not necessarily hold true. I was listening to potential political leaders respond to nuclear question and they wouldn't, they skirted the issue, even though Saskatchewan is one of the biggest producers of uranium power in the world.

R-7A: I had general conversations with people as well. It comes down to what R-6A was talking about. It's one thing to say we're holding the producers responsible up to a point. Like any other environmental charge, they are able to afford it. It's fine to say we can charge them for it, but when is it going to be enough to stop and start looking at other alternatives.

R-1A: I mentioned it to family. No one really had opinions about it. They were shocked I was asked to sit on a panel. I now notice stuff on the news that interests me. For instance, this morning I saw something about getting energy out of garbage dumps. I find I pay more attention.

R-5A: I mentioned it to one guy who only said “it’s the government’s problem, I can’t do anything about it.”

Think Say Feel Exercise

R-9A: I think it is very well done. It’s informative and didn’t leave much question. You want more straight information, you got it.

R-11A: I liked the flow charts and organization. It helps with the complexity of it. It seems very systematic the way it is designed, it correlates to the whole process.

R-3A: It’s positive looking. Lots of green which automatically links to the environment. However, I got the feeling after reading it that it is just got a “sell job.” What are they going to say? It’s a disaster, run for your lives? They’re not going to tell me the stuff I don’t want to hear so I’m not sure if I trust it. They used buzz words.

R-11A: When I first looked at it, it felt like they are not overtly trying to represent every gender and race. But when I got into it, I thought they are trying to play that card.

R-13A: I liked that they went through amount of waste and disposal of it.

R-2A: I liked that they said they would make sure every base was covered before any rod was moved. It’s informative but starting to look more like a good sales pitch.

R-11A: I didn’t find it for the most part over the top.

R-13A: I found some of the text hard to read, especially the map of the world in the background.

R-12A: I liked that it tied the Organization’s vision and mission. It’s fairly strong. I consider it a work in process, not a finished product. A couple things that are not quite there yet, e.g. the front cover. I like “Moving Forward Together” but the graphic showing things moving apart, so not a good tie. I also did not like statement including specialists and aboriginal people. It implies you can’t be both and is not an inclusive statement. To me that implies you are either an aboriginal or a specialist.

- R-5A: It just seems tacked on.
- R-12A: Does it imply a value system where you have specialists at one end of the spectrum and aboriginal at the other?
- R-3A: I understand what they are trying to say because they are different stakeholder groups. It feels like in order for this to be expected, you need to mention them.
- R-10A: There's a fine line. You need to mention it or else you get in trouble but if you mention it, you get called out.
- R-13A: They could mention it just in a different way.
- R-7A: I liked the quotes. Here are the ideas of people, not just some spin doctor. People thought about things.
- R-12A: Who the heck is "Saskatoon, Saskatchewan?" It's suspicious.
- R-5A: Without a name, you are down to 250000 people.
- R-3A: As a researcher, I know you can make up quotes very well.
- R-7A: I liked questions as well.
- R-10A: I like the part about the numbers because I don't think we understand this. It gives us a better picture.
- R-1A: Is this pamphlet out and about or has no one ever seen it before?
- R-6A: I've never seen it.
- R-13A: I wasn't thinking about colours and content but more about format. It doesn't connect the dots as to who is actually responsible for this regulatory responsibility. It's sketchy that companies are taking it to a certain level. When it's going to be regulated? Who is going to be regulating? To be fair, we didn't get a good amount of time to look at this, I felt that we were scrambling.
- R-3A: I would have been nice to read in advance.
- R-11A: What glared at me was the notion of there being a host community. It seems very euphemistic, almost patronizing.
- R-13A: Where's the stuff going to be dumped?

R-8A: Maybe approved site would sound better than host community.

[Discussion Leader]: **Do you have any sense of why they might use that term?**

R-8A: Are they selling something? Will there be economic spin-offs to locations?

R-13A: Obviously.

R-8A: Not just them buying land, but compensation?

R-5A: When I read that, it was like it was something that the community would want. You wouldn't use terms that would make it sound like "federal penitentiary."

R-13A: It's not like you're getting the Olympics.

R-11A: What process would get someone to the point where they would want to host?

R-3A: Who ends up being those communities?

R-8A: Host community makes it sound like there will be financial benefits.

R-13A: The derby for where this could be, there has to be some Canadian shield potential in the provinces that do this because the final step is going to be some kind of sarcophagus in some stable rock somewhere.

[Discussion Leader]: **What they've said is that it has to be a geologically suitable place, it's not just that someone wants this stuff and the language that they use. There is a commitment that it will only go to an informed and accepting community. The idea is that it won't be somewhere where people don't make an informed choice, it will not be forced.**

R-11A: Does every single resident get to vote? Is it just going to be a minority?

R-6A: I don't see a community involved at all. I see this strictly as being crown land where this will be located

R-13A: Proximity would be the issue.

R-11A: And the transportation.

- R-6A: The transportation process is about the only involvement as far as communities are concerned.
- R-3A: Does it have to be Canada?
- R-9A: Are we going to take other peoples nuclear waste?
- R-5A: It's cheaper to store our own than have others store it for you.
- R-12A: We're just leasing the uranium. We can lease it out and then have control of what happens to it in the end. I have a lot of problems with nuclear weapons though.

Red Green Pen Exercise

Front Cover

- R-5A: With the number of road signs, there are a number of options, it's about looking at all viable options.
- R-4A: They make a positive spin when it says "Moving Forward Together."
- R-11A: It's not the most aesthetically satisfying cover, it could be more scientific or technical.
- R-8A: Half the sign is moving forward, the other half is moving sideways.

Inside Cover

- R-3A: I liked the legend.
- R-12A: There is another legend, it's missing the regulatory....
- R-11A: I do not like the white font. For that much text, it's more difficult to read.
- R-10A: I have a tendency to jump over the page but because we were asked to be careful, I paid attention. But I usually would have missed that. You automatically pass that page but the blue caught my eye.
- R-7A: It also says "Where We Began." That's what caught me. I like the idea that the message that we are getting here is moving towards long term management. It gives a positive sense that we're going somewhere with a goal at the end. Plus, once again, there's a quote. I don't know why I get captured by quotes...

R-5A: Maybe because it gives it a personal touch rather than the corporate. It makes it a little more personal.

[Discussion Leader]: **Has anyone heard of Dr. Gary Kugler, Chairman of the NWMO?**

All Panelists had never heard of Dr. Gary Kugler.

R-12A: He has doctor in front of his name. That must mean something.

R-13A: This page is good. It shows benefits of nuclear power.

R-10A: The picture makes me think of over consumption of energy.

[Discussion Leader]: **Over consumption or wasteful?**

R-10A: Good question. Excess it seems.

R-13A: It takes more energy to keep turning things off and on rather than keep them running.

R-12A: Maybe they're federal buildings and they're working 24 hours.

R-5A: "Where We Began," back when people were more wasteful.

R-11A: The word "isotopes." I don't know if that's a regular word with your average layperson. It's important for the context.

R-12A: The title "Where We Began." I have no idea how it relates to the rest of the page.

R-10A: They're spinning the words. They're saying that's where energy comes from and then right away that it's used for medical purposes.

R-13A: I think the stuff from page 4 belongs at the front, it should be on page 1. I can see sort of how it's fitting into page 4, but for me it should be on the front.

Page 2

R-5A: I liked the hockey rink visualization. It helps the average person put it in perspective. It's very Canadian, we all know how big a hockey rink is.

- R-3A: The picture comes at a good time because just as I start wondering how much waste there is, I see the hockey rink.
- R-13A: It would be even more helpful if they had the dimensions.
- R-10A: Not all Canadians now know how big a hockey rink is.
- R-12A: What does it say about Canadians that in order to get them to understand we need to bring it back to a hockey rink?
- R-5A: You could say the number of cubic meters but for people that's just another number anyways.
- R-11A: The picture at the top, there's no caption or anything. Is it supposed to be decorative?
- R-10A: It's important but written so small, it's not easy to read the small print, just from an adult education perspective.

Page 3

- R-9A: I found it very interesting, it gave me some idea of what a storage pack was like. You could talk about packets for ever but you never see what it looks like. If you don't know what it looks like, you're lost.
- R-5A: I liked international perspective area. It gives you the feeling that there's really a global collaboration. Who's to say someone in the UK doesn't have a better solution? It emphasizes that they're looking at all available resources.
- R-13A: I would reverse "Did You Know" with the international perspective.
- R-8A: It's interesting to know that Ontario makes 85% of nuclear waste. That should be the most logical place where it goes.
- R-13A: But Ontario also has the most people. When we're talking about crown land, we're trying to get away from high population density places.
- R-8A: It's not that safe if you're concerned about where all those people are.
- R-6A: It should go into the middle of the shield. It's the least disruptive. The rest of the world appears to be considerably ahead of us in terms of research and development.

R-11A: Aren't there only 4 countries mentioned?

R-6A: That shouldn't be. We should be a leader.

Page 4

R-13A: I think vision and mission should be moved to the front page.

R-6A agrees

R-10A: Maybe if you talk about vision and mission, you want to know whose vision and mission this is.

R-13A: If you look at page 1, there are a couple blurbs about the NWMO so it's not entirely out of context.

R-5A: I don't like black background.

R-12A: What is that one guy worried about?

R-8A: All three look like they've just finished reading the Enron papers.

R-7A: Pages 4 and 5, there's a lot of action around it. It looks like something's happening, a good thing.

Page 5

R-2A: It seems like a bit of a sell job here. Everyone looks so happy in their workplace. I could be wrong.

R-1A: It's just pictures of people and I don't know who the people really are.

R-5A: Both pictures have a window and they've made sure there are lots of green in the background.

R-12A: They look positive and professional, there's nothing wrong with that.

[Discussion Leader]: **Anyone have any idea who the boss is?**

R-2A: I want to say the guy standing up since you brought it up, but I wouldn't think about it if it wasn't brought up.

R-3A: I just thought it was stock footage, I didn't give it much thought.

- R-1A: Unless their title is assigned to them, it's kind of silly having professional people sitting around there.
- R-13A: I thought it was interesting on flow chart/graph they have there, the writing on white board is kind of weird. They "don't want to put it in clay."
- R-7A: In the pictures, they're also showing maps of Canada which gives me the sense they are taking stuff seriously.
- R-12A: But they are all wearing 3D glasses.
- R-2A: Each of us have gone through this book and if they are showing to the public and we're sitting in here still giving jabs...it seems like a sales pitch.
- R-7A: If this is out to the public elsewhere, why are we even being asked to look at it?

[Discussion Leader]: **In the interest of transparency, this is someone's first crack at it. It's not cast in stone for all time.**

- R-7A: Is there anyway that, if these are pictures of these company people, there is enough white space underneath that they can put that in there?
- R-10A: Their roles and responsibilities aren't indicated anywhere in this book. The names mean nothing.

Pages 6 and 7

- R-3A: I like the photo but come on, it just seems really obvious, the thriving green leaves shooting out of the rock. It's a beautiful photo.
- R-2A: What are they trying to say with that picture?
- R-1A: It won't be stored in your backyard, it will be stored in a rock far away.
- R-13A: I'm not worrying as much about lowly leaf amongst granite. I circled the three nation wide surveys. People should know the size of that because that sounds pretty intensive. Internet e-dialogues. I want numbers attached to a lot of this stuff. I circled them in red. Accountable to whom? And how?

- R-3A: I liked the value statements. I thought those were worth while. Point taken about the accountability. It's important to talk about value stuff. I really like the quote in red, especially the last sentence.
- R-13A: You're not alone in being sceptical.
- R-13A: It's linked up well, especially with stuff on page 6. We can make any decision because most of us will be gone in a blink compared to the decisions that are going to be made. We really have to be stewards of the environment for thousands of years ahead.
- R-8A: I didn't really get the crack in the rock, it seemed like a starting place to everything. I didn't view it as a negative. I liked the values and transparency part. The values were to Canadians. I circled the last one on transparency.
- R-5A: I didn't particularly like photo of the plant. It looks like its struggling or being crushed.
- R-12A: I have no problem with the photos. I like the values, particularly the statement on transparency. All Canadians is a very inclusive statement.
- R-7A: Throughout the whole book, when you first turn over and you look, there's a bit of a title so you know what the contents are going to be.
- R-4A: It's very positive. They're trying to keep it not over laden with information, just giving little blurbs with what's going on. It gives you a good understanding of what their approach is.

[Discussion Leader]: **Any thoughts on the Traditional Knowledge section?**

- R-6A: It's a good article. They say they've been doing public consultations since 1988. I have never heard anything, you have never been in touch with me. That is nothing to brag about at this point. They certainly have not done any public inquiries as far as I'm concerned.
- R-13A: They're not talking about talking to people, it more pertains to scientific exploration.
- R-6A: Then it should have been public consultation.

- R-8A: There's nothing that talks about the half life of nuclear waste. 95% of population has no idea how long that is. Indefinitely to some people is 30-40 years, not 30000 years.
- R-13A: They do make a point that they will review all of it when new scientific information comes available.
- R-6A: 95% of the population don't know, nor do they care and that's the problem.
- R-1A: Future science, we have no idea what future science is.
- R-6A: The message is not getting out. Until it bites someone in the butt, they will not do anything about it.

Pages 8 and 9

- R-6A: When I read this article here, I thought we need to rein this in. They said they would cut it off at \$4.4 billion. That really bothered me right off the bat. What do you want us to do beyond that? Not good enough as far as I'm concerned.

[Discussion Leader]: **Where does it say it cuts it off?**

- R-8A: I read it completely differently. It's under funded by \$1.1 billion. Those liabilities always grow and if it's already under funded, wow.
- R-10A: The green paragraph, I didn't completely understand what they were trying to say with individual responsibilities.
- R-13A: I underlined that. How will this work? Seems like a real shot in the dark.
- R-12A: The shortfall is a concern but that fact that it is publicly stated is very transparent.
- R-8A: Only one day apart, why didn't they state that on the same day?
- R-13A: When legal responsibility rests with individual companies rather than a regulatory body, in all matter of things in Saskatchewan, companies have walked and we've had to pay for the clean up. From a public policy perspective, this is a problem.
- R-11A: It needs to lay out more clearly some of the parameters. What is the amount companies are expected to contribute?

- R-3A: I think it's scary when you have private companies doing energy and resources. The whole paragraph makes me uneasy. Page 8 is sketchy and fuzzy on details. It's unclear, it did not feel very concrete.
- R-10A: They say they're expecting the unexpected. That scared me.
- R-13A: I liked the second part of that. They will continually explore, evaluate and criticize. That's fairly reassuring. This thing is going to have to change course many times. If they really make that commitment and then shape it from there, then you've got a process.
- R-9A: Someone might find out that this uranium is useful. I mean, they used old railway tracks to make razor blades.
- R-12A: As we run out of fossil fuels, there will be motivation.
- R-5A: I like APM, it's reassuring. It didn't focus on expecting the unexpected.
- R-2A: How long did it take to collect this 3.3 billion? The government had not decided until June 14 what were going to do with it, but collected the money by January 1? Maybe they just started 2 years ago? Maybe collecting the rest won't be hard at all? The shortfall doesn't scare me.

[Discussion Leader]: **Are you confused by the money? Is it not clear?**

- R-5A: It leaves it open ended.
- R-7A: I thought it was a good statement to be making so people know corporate commitment. They're not showing any guarantee that the commitment will remain or that commitment is serious. It's one thing to shove a few bucks into it now. For a lot of corporations, it's just a drop in the bucket for them. Where's the accountability?

Pages 10 and 11

- R-4A: When you start looking at the actual concept of how you contain it, they're going ahead with this, but in the long run, it's still one concept, the development in the long run. I'm not sure whether it's money, where it comes from, who should actually pay for it – should manufacturers pay for it? In terms of the approach, we still have a lot of ways to go in terms of the concept.
- R-1A: I don't understand. We have the uranium, reactors and waste. Who's responsible for the waste management in the other

countries? Is there any liability back to our NWMO? Look at China and the Mattel toys?

- R-5A: I liked the flow between the two pages, how it's split up. It's attractive, easy to follow. I liked the 3rd line on page 10 because it does show some honesty or transparency. At least they're up front with the fact that they don't know how long it will take.
- R-3A: On page 11, I didn't feel the diagram was connected to the text in any real way. It's back to the sell job. Being technical and giving diagrams but not describing diagrams. Under phase 2, the sentence made me uneasy, shallow underground storage. Like under my vegetable garden or something? I did like phase 3, it gives people a sense of security.
- R-7A: We'll navigate the way. You see yellow across the page, it takes you to 2 and 3, what happened to number 1? Preparation is just as important to technical and long term.
- R-12A: I just assumed that it meant the preparation was already done.
- R-13A: Page 10 speaks again to who is this group and how are they going to do the consulting? A lot of the material is in the abstract, there's not a lot of concrete information here.

Pages 12 and 13

- R-5A: At first glance, I thought it was going to be overwhelming because it's a lot of material spanning 2 pages. A lot of people might skip to something else. It's the first spread without photos. It's easy to follow if you take the time to look at it. All the other ones have photos. On first glance, just might turn off some of the public.
- R-3A: It's visually overwhelming. Not to say there isn't really good stuff here, just overwhelming.
- R-8A: All the background graphics makes it that much tougher to look at. There's so much going on the page.
- R-12A: Black and white would really just make it so blah. I'd have trouble. My question is that the booklet has done a good job convincing me this is a good process, but last process is to decide when to close. There's not much explanation to that concept, which raises a question, has that decision already been made?
- R-10A: The approximate timetable – do we have that 25 years already done? It doesn't give me a picture of where we are right now. I

have nothing to compare it to. Has anything started in phase 2? Unless you know all the technical stuff, it's not clear.

R-9A: I read vertically rather than horizontally.

R-13A: The second box in phase 1 scared me. There guys are ticking on the mantle of doing all this and then "Joe Fudd," we'll just leave him with it for the meantime. How much do I trust anyone who has to make money, report to a board of directors and hold on to their CEO job with their company? I was told this is a world class process and they were going to use best practices, but then just let anyone take control right now?

R-11A: The term regulatory oversight is ambiguous. Pick a different word.

R-5A: It's almost like you missed something.

R-13A: Who are the regulators?

Pages 14 and 15

R-5A: There are too many photos of people. It seemed more like the sell job. I did like some questions they posed about the danger of transporting and why don't we recycle, questions that most people would ask for.

R-8A: Of all pictures, these are the most posed ones.

R-3A: This is my favourite layout. It addresses questions in plainer language. It's a bit more straight with me than the others. Sometimes it felt like they were dancing around issues and not really coming out and saying it. This felt a little more straight forward.

R-9A: I was looking forward to this page, not that I believe it.

R-4A: It hits home with questions that we feel are important. It tries to show that other people are concerned.

R-7A: They're just the questions that we've all asked, even before any of us sat at this table. It makes our questions seem valuable.

Page 16

R-8A: The photo suits the front over.

- R-4A: I like that it is a yellow sign. It shows caution. They're going in the same direction now.
- R-3A: I like the grey box.
- R-7A: They're also talking about balance.

NWMO Newsletter

[Discussion Leader]: **What is your reaction to this article? To the current status of the activities of the organization? Where it's headed?**

- R-6A: I haven't seen one volume or issue yet. Where are they circulating?
- R-10A: There seems to be some confusion in second last paragraph as to where the funds were?
- R-13A: I was struck by the import of this that it has been totally silent. I follow the news carefully and I don't remember the PM or any of his ministers having discussed any of this. It was pretty quiet. The government isn't exactly trumpeting this decision.
- R-6A: They should do a little bit more with the grassroots. This is not good enough. I haven't seen anything on the news either and I watch the news every night. I have seen very little of this. They haven't done their job.
- R-3A: My husband talks about this stuff all the time so he must be reading it somewhere.

[Discussion Leader]: **As the NWMO moves forward with its work, they have a commitment to a consultative approach that involves other people and organizations. Who should they be working with? Any third parties could help the NWMO?**

- R-7A: Possibly having environmentalists sitting with them? Right now they are on different sides of the fence and that's not collaboration. I have no sense they've done that already. They must agree with others. I have not seen this on the news and it's only our country being condemned for not following environmental commitments. The Environmental Minister is not standing up and saying this is what we're doing.

[Discussion Leader]: **Who should they consult as they move forward? Who should they stay away from?**

- R-6A: They should be in touch with each provincial environmental association.
- R-3A: Personally, I would feel a lot better if knew, as part of this process, that people who are heavily invested financially had less say and people who saw the earth in a more holistic way had more say. I'm more sceptical about people concerned about the larger picture having more say. I would feel better personally if I knew those people were not at the table.
- R-13A: Money is being gathered, systems are in place and we've been involved to a small degree, but this is the kind of thing where you go to the provinces and open it up broadly and talk about it directly to administrations in those provinces and very open public discussion and debate. I guarantee it hasn't been debated in the Saskatchewan legislature. We're the producers of the problem materials.
- R-3A: I think they are talking about it. It came up at every NDP convention. I do get the sense that it's sort of already been decided. If we all show up at every focus group and say we don't want it to happen, it still will.
- R-7A: I feel like we've been consulted so they can put it all in front of someone and say that here, we've been consulted, and that is not a consultation.
- R-8A: Science has already pretty much said what has to be done with this stuff. Going back to square one and starting a consultation process is going backwards and not addressing the problem. If you leave it up to the average citizen, there will be no decision.
- R-5A: It's not a consultation like "should we shouldn't we", this problem exists. It's more of a consultation on how information comes out and in what format. They can't consult every Canadian. I think part of this is that the problem exists, they have to go ahead and how can they better provide information to the public?
- R-13A: You're not telling me that decisions have already been made?

[Discussion Leader]: **Yes, it's the largest public consultation. They've talked to 18000 people. I guess people around the table are saying get the environmental groups around the table.**

- R-2A: Find a site. Nothing's going to move until you find a host. It doesn't matter what we say. Until a host is chosen, that's where the next battle ground is going to be.

R-3A: It sounds like a fairly solid plan to me, but if we chose a good place to put it, are we going to produce more and more waste? If we remove that thought, then I'm with you, let's just find a site.

[Discussion Leader]: **The NWMO must strike balance between providing serious information and making it accessible. How did they do on striking that balance?**

R-12A: I probably wouldn't pick it up off a table and read it based on graphics. It doesn't really identify what the issue is on the cover and what's going to get me inside that book.

R-3A: It's difficult to get all the information in there, but I would appreciate it more if it was more concise than it is. Take out superfluous language and be really plain about it.

R-8A: I gave it a 7/10 on the balance issue because it gets the point across fairly well. If you make it much more technical, most of the people won't get it. If you were to get this in the mail, that would be pretty tough.

R-11A: I thought the actual complete formatting of it was very good. I think that the way they did the organizing of boxes makes it easy to read. If anything, I think they left stuff out because you can't put everything in. The content was quite prudent.

R-5A: I would like to have seen a bit more technical, but that's my personal opinion. They did use colours. In that respect, it was good as opposed to 4 pages of print. It makes it more appealing for people to flip through.

R-6A: I would be pressed to give it a 7. Again, little bit too much technical jargon. Point by point format would have been a better presentation rather than going on and on about the collaborative process. It's just a lot of words. I would have sooner seen point form format.

R-10A: I liked it in general. I liked that they cut it to small paragraphs and small notes. It keeps your attention span longer.

R-5A: I would like to comment on the newsletter. I liked that they would look at level of annual deposits by waste owners. As the process evolves, it will be funding annually.

R-11A: Which scientific fields have been involved?

R-7A: It's more of a process question. All of us have agreed to come back to the table. Can we get the dates? At the end of the day, I need time to digest it. Can we get the materials in advance?

R-13A: I noticed the approach recommended in 2005. Are we over and above the 18000?

R-7A: The middle paragraph down by picture - flexible allowing for go or no go decision, changing societal priorities. If society is not interested anymore, will this just pick up and disappear?

[Discussion Leader]: **NWMO trying to strike a balance between today and the future.**

R-7A: It doesn't mean social policy shifts are okay.

R-5A: When I read that line, I thought if down the road there was a costlier alternative but better solution, society would go with that.

R-13A: Science could change and could change everything we're doing.

4. BROCHURE

The NWMO brochure “Moving Forward Together” was provided to Navigator, in both English and French, as a discussion material for Phase One Citizen Panels.

a. Red/Green Pen Exercise

Upon arrival, Panelists were given a twenty minute period to review the sixteen page brochure in its entirety. Each Panelist was given a red pen, green pen and a black “Sharpie” marker and instructed to, as they reviewed the brochure, mark page-by-page any element they felt positively about or agreed with in green and felt negatively about, or did not agree with, in red. Panelists were free to underline, circle, or mark with any mark to indicate a general like or dislike of any element in the brochure, including content, design, graphics or photographs. In cases where they had a question or comment about something they read or saw in the brochure, they were instructed to write their question on the document.

Additionally, after reviewing the entire brochure and marking it with both red and green pens, Panelists were asked to review their markings and identify the items they felt the most strongly about, both positively and negatively, by circling them with the “Sharpie” marker.

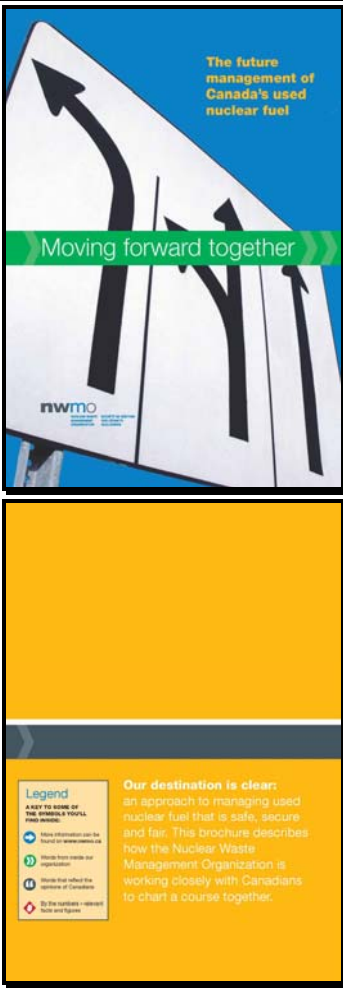
Instructions were provided by the discussion guide, as well as in written form. A copy of the instructions provided is attached in the appendices to this report.

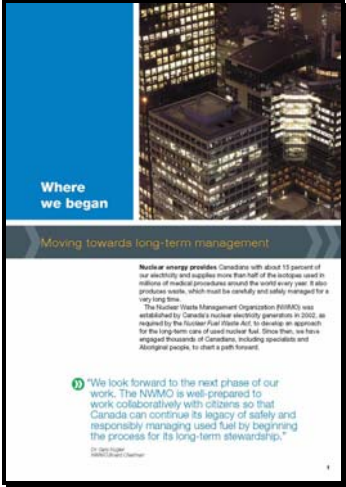
The Discussion Leader, later in the Panel, led a discussion and page-by-page review of Panelist impressions of the brochure. To aid the discussion, the Discussion Leader had a large, laminated “storybook” version of the brochure.

On the following pages are thumbnail depictions of the brochure, as well as an indication of what Panelists marked with red and green pen.


Overall, Regina Panelists reacted positively to the brochure. Most believed it was a sincere, and generally successful, attempt to share information with the general public. Few did, however, not react well to any statements that sounded non committal or unsure, such as “expecting the unexpected,” and were confused by the financial information. Quotes in the brochure attributed to city and province rather than individuals provoked mild debate among some Panelists and seemed to distract from the intent of placing quotations in the brochure.

Front Cover and Inside Front Cover



Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> Moving Forward Together Legend Our destination is clear 	<ul style="list-style-type: none"> Arrows pointing in different directions. 	

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> Nuclear energy provides Canadians with about 15 percent of our electricity and supplies more than half of the isotopes used in million medical procedures around the world every year. “We look forward to the next phase of our work. The NWMO is well-prepared to work collaboratively with citizens so that Canada can continue its legacy of safely and responsibly managing used fuel by beginning the process for its long-term stewardship.” 	<ul style="list-style-type: none">including specialists and Aboriginal people, to chart a path forward. 	

Pages 2 and 3

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	 <p>We are here</p> <p>Helping Canadians understand the issues</p> <p>Canada has operated nuclear power plants safely to generate electricity since 1956. After a fuel bundle has been used to generate electricity, it is removed from the reactor and safely managed in facilities designed for temporary storage of the reactor fuel. Fuel is placed in storage containers in water-filled pools for several to ten years. The water cools and shields the bundles while their radioactivity decreases. Afterwards, the bundles are typically placed in dry storage containers, silos or casks.</p> <p>The MPRC is focused on the long-term management of used nuclear fuel. Our mandate is to work collaboratively with Canadians to develop and implement a long-term management approach that will safely handle the used fuel from people and the environment, essentially indefinitely.</p> <p>5x</p> <p>5x more used fuel than the amount of fuel used to generate electricity.</p>
<ul style="list-style-type: none"> • 5 x hockey rink • The entire current inventory of used fuel bundles, if it could be stacked end-to-end, would fill five hockey rinks to the top of the boards. • "...regardless of decisions which will be taken about how electricity should be generated, our generation has a responsibility to safely manage the waste we produce..." • International perspective 	<ul style="list-style-type: none"> • 5 x hockey rink 	<p>"...regardless of decisions which will be taken about how electricity should be generated, our generation has a responsibility to safely manage the waste we produce..."</p> <p>The International Panel on Fissile Materials (IPFM)</p> <p>Did you know?</p> <p>A nuclear fuel bundle is about the size and weight of a large metal pipe. It is used to generate electricity in a nuclear reactor. After it has been used, it is removed from the reactor and stored in a pool of water. The water cools and shields the bundle while its radioactivity decreases. Afterwards, the bundle is typically placed in a dry storage container, silo or cask.</p> <p>BY THE NUMBERS</p> <p>Over 80% of Canadians from Ontario, Quebec, Alberta and Saskatchewan generate their electricity from nuclear power.</p> <p>Canada currently has 22 commercial nuclear reactors generating electricity.</p> <p>Using 2 million used fuel bundles.</p> <p>Approximately 85,000 tonnes of used fuel bundles are generated each year.</p> <p>INTERNATIONAL PERSPECTIVE</p> <p>Canada is among the world's top 10 countries in terms of nuclear energy. The nuclear industry is growing in other countries as well. In the UK, the government has announced a plan to build a new nuclear power station. In the US, the government has announced a plan to build a new nuclear power station. In the EU, the government has announced a plan to build a new nuclear power station.</p> <p>2 million used fuel bundles</p> <p>ON 1.7 million used fuel bundles</p> <p>QC 105,000 used fuel bundles</p> <p>NS 115,000 used fuel bundles</p>


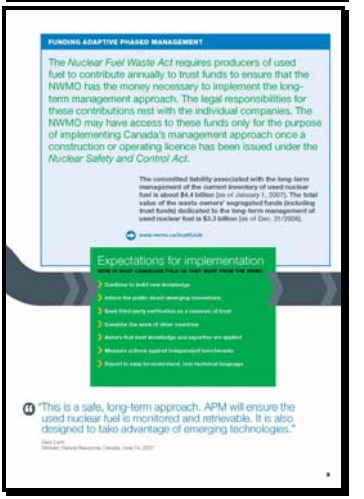
Pages 4 and 5

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> • Canadians also have the benefit of an independent Advisory Council to monitor the work of the NWMO. • Guiding Principles: Vision and Mission • Technical Research: “A strong research program will ensure that Canada benefits from leading-edge technological innovation in radioactive waste developed domestically and elsewhere, and that we maintain the necessary human resource capacity to apply the knowledge and technology.” 		

Pages 6 and 7

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> ...the management approach must be safe and secure for people, communities and the environment; and it must be fair for current and future generations. “It’s extremely important that we have community input.” Traditional knowledge Values: The fundamental beliefs that guide our work “I feel it is very important to make sure that all necessary precautions are taken so that these waste materials are safely stored so that the future contamination of Mother Earth and the human race can be prevented. Remember, we are borrowing from our children.” 	<ul style="list-style-type: none"> “It’s extremely important that we have community input.” 	<p>What we have learned</p> <p>Creating a contract between science and society</p> <p>The work of the WEMO is an outgrowth of decades of legislative and industry advice and public consultation. As early as 1985, studies determined that deep geological isolation of nuclear waste is a sound technical approach, but the complexity and long timeframes involved require more than a technical response. The issue also requires consideration of environmental, economic, social and ethical concerns. There are no doubtless answers.</p> <p>That is why public engagement is an essential part of the work of the WEMO. People from the broader cross-section of Canadian society have participated in our dialogue, including technical and scientific specialists. Aboriginal peoples, including community, youth, and interested members of the general public. Many comments and insights have emerged. The values that Canadians hold are an important part of the basis for the right objectives against which different options</p> <p>have evaluated: human health and safety, worker health and safety, community well-being, security, environmental integrity, economic viability, and adaptability. Of these, safety, security and human health are the most important. The management approach must be safe and secure for people, communities and the environment, and it must be fair for current and future generations.</p> <p>It's extremely important that we have community input.</p> <p>Traditional knowledge</p> <p>Among the values recognized by the WEMO are traditional knowledge. This is the knowledge, experience and skills of Aboriginal peoples, passed on from generation to generation. It is a vital part of our heritage and our identity. It is also a source of wisdom and insight that can help us to better understand the world around us and to make better decisions about the future.</p> <p>BY THE NUMBERS</p> <p>The WEMO STAFF has contributed to the work of the WEMO in the following ways:</p> <ul style="list-style-type: none"> 2,500 Aboriginal people have participated in WEMO activities more than 500 Aboriginal people have been employed by WEMO 13 communities participating in a national Aboriginal dialogue on nuclear waste 120 Aboriginal people have been employed by WEMO 3 Aboriginal people have been employed by WEMO 100,000 people have been employed by WEMO <p>Values</p> <p>Integrity We will operate with honesty and transparency, and we will be open and transparent in our process, communications and decision-making, so that the public can see our work.</p> <p>Excellence We will operate with the highest quality, and we will be open and transparent in our process, communications and decision-making, so that the public can see our work.</p> <p>Engagement We will ensure the participation of all stakeholders in our work, and we will be open and transparent in our process, communications and decision-making, so that the public can see our work.</p> <p>Accountability We will be held responsible for the safe, sound and secure management of nuclear waste, and we will be open and transparent in our process, communications and decision-making, so that the public can see our work.</p> <p>Transparency We will be open and transparent in our process, communications and decision-making, so that the public can see our work.</p>

Pages 8 and 9

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> • “We shouldn’t think we have all the answers right now. We need to take into view the development of new technologies.” • The Nuclear Fuel Waste Act requires producers of used fuel to contribute annually to trust funds to ensure that the NWMO has the money necessary to implement the long-term management approach. • Expectations for implementation • “This is a safe, long-term approach. APM will ensure the used nuclear fuel is monitored and retrievable. It is also designed to take advantage of emerging technologies.” 	<ul style="list-style-type: none"> • Arrow graphic • Introducing Adaptive Phased Management • The legal responsibilities for these contributions rest with the individual companies. 	

Pages 10 and 11

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with						
<ul style="list-style-type: none"> • A Technical Method and A Management System • Phase 3: Long-term containment • “What we need is a flexible plan that gives future generations a choice.” 	<ul style="list-style-type: none"> • Option of transporting used fuel from reactor sites to the central location for interim shallow underground storage, if required. 	<p>How we'll navigate the way</p> <p>Implementing Adaptive Phased Management</p> <p>The NWMO is responsible for implementing Canada's approach to long-term used nuclear fuel management, subject to all regulatory approvals. We propose to do this in phases. With no current knowledge, how long each phase of implementation will require, we have developed an illustrative schedule based on conceptual designs and case studies.</p> <p>The implementation process will span many decades and continue to be collaborative. Each phase will involve many activities and decision points, all of which will allow more opportunities to incorporate new science and social learning.</p> <table border="1"> <thead> <tr> <th>Adaptive Phased Management</th> <th>Technical Method</th> <th>Management System</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> Continual refinement and revision Clear progress measures in a visible tool format Used fuel remains retrievable Continuous monitoring </td> <td> <ul style="list-style-type: none"> Public engagement Periodic assessment Continuous learning and adaptation Clear indicators for safety progress Minimized, visible tool necessary </td> </tr> </tbody> </table> <p>Adaptive Phased Management will be implemented in phases with many activities and decision points</p> <p>1 Infrastructure</p> <ul style="list-style-type: none"> Monitor used fuel storage at reactor sites while preparing for central storage Identify an interim, sitting fuel repository Design, finance and construct an underground characterization facility and optional shallow storage facility, if required <p>2 Interim Deep Storage Facility</p> <ul style="list-style-type: none"> Demonstration of long-term Canada technology: underground characterization facility Options of transporting used fuel from reactor sites to the central location for interim shallow storage and/or deep geological repository Design and construction of deep geological repository <p>3 Long-term Repository</p> <ul style="list-style-type: none"> Used fuel packaged into long-lived containers and placed in the deep geological repository Used fuel remains retrievable Extended monitoring <p>“What we need is a flexible plan that gives future generations a choice.” Source: NWMO</p>	Adaptive Phased Management	Technical Method	Management System	<ul style="list-style-type: none"> Continual refinement and revision Clear progress measures in a visible tool format Used fuel remains retrievable Continuous monitoring 	<ul style="list-style-type: none"> Public engagement Periodic assessment Continuous learning and adaptation Clear indicators for safety progress Minimized, visible tool necessary
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Pages 12 and 13

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	<p>More about Adaptive Phased Management</p> <p>Early in Phase 1, the NWMO will invite Canadians to participate in the development of an approach for site selection that is open, transparent, fair and inclusive. This is expected to take approximately two years; site selection itself could take ten years, or more.</p>
<ul style="list-style-type: none"> Continue research into technology for used fuel management. 	<ul style="list-style-type: none"> In the case of construction of a central shallow storage facility, transport used fuel from reactor sites to central facility for interim storage. 	

Pages 14 and 15

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> The process for selection of a central site will be developed collaboratively with Canadians. During the study phase, Canadians were clear about a number of siting principles. Among them was the belief that the location must be acceptable to an informed and willing host community. The site must also be technically sound, suitable for a deep geological repository, for optional shallow underground storage and for a characterization facility. 	<ul style="list-style-type: none"> Why don't we reuse nuclear fuel? What about the dangers of transporting nuclear fuel? 	<p>What is the process for choosing a site?</p> <p>The process for selection of a central site will be developed collaboratively with Canadians. During the study phase, Canadians were clear about a number of siting principles. Among them, was the belief that the location must be acceptable to an informed and willing host community. The site must also be technically sound, suitable for a deep geological repository, for optional shallow underground storage and for a characterization facility. Siting efforts will be focused in the four provinces directly involved in the nuclear fuel cycle: Ontario, Quebec, New Brunswick and Saskatchewan. Shroud communities in other regions express an interest, they will also be considered.</p> <p>Asking tough questions</p> <p>Can APM accommodate growth in Canada's nuclear power industry? Or different types of used fuel?</p> <p>The NWMO has a legal obligation to manage all of Canada's used nuclear fuel. Fuel which exists now and that which will be produced in the future. APM was primarily designed for the fuel from Canada's existing reactors. We have tested APM against many future used fuel scenarios and it has been found to be technically capable of dealing with additional quantities and different types of used nuclear fuel. It has the potential to accommodate many of the changes that are likely to be required as Canadian energy policy evolves, science and technology advances, and societal expectations and values evolve. The NWMO will continue research and testing to ensure that the plans and programs address new circumstances and remain robust.</p> <p>14</p> <hr/> <p>Why don't we recycle the used nuclear fuel?</p> <p>Used nuclear fuel is reprocessed in some parts of the world. In Canada, any decision to reprocess would have to be made by the cabinet in consultation with government and the regulators. Consideration should also be given to other types of radioactive wastes which would be produced. The potential for reprocessing used nuclear fuel could be used in the production of nuclear weapons and the exposure of workers, the environment, the NWMO would be responsible for the long-term management of high level wastes resulting from reprocessing and we continue to monitor ongoing research in the area of recycling spent nuclear fuel.</p> <p>What about the danger of transporting used nuclear fuel?</p> <p>For transported safety, internationally, more nations have been required transporting used nuclear fuel for decades. Past transport containers are designed to withstand severe accidents and transport conditions, and meet high standards which are continually reviewed by the primary and secondary bodies.</p>

Page 16 and Inside Back Cover

Statements/Images Panelists Agreed with	Statements/Images Panelists Disagreed with	
<ul style="list-style-type: none"> We are ready to take the next steps: Join us in moving forward. 	<ul style="list-style-type: none"> The NWMO is working hard to reach and listen to interested Canadians. 	<p>Moving forward</p> <p>Striking the right balance</p> <p>The management of used nuclear fuel involves very long time frames, complex technical questions and challenging social and ethical considerations. Citizens expect and deserve to be involved in deciding major public policy questions. There is no quick and simple way to explore the full range of views and knowledge within society. Successfully engaging people on the issue has required - and will continue to require - an open and ongoing process. The NWMO is working hard to reach and listen to interested Canadians. We are committed to continuing the dialogue as we move ahead to collaboratively implement Canada's approach for the long-term care of used nuclear fuel.</p> <p>We are ready to take the next steps</p> <p>Join us in moving forward</p> <p>In the final stages, NWMO will be seeking opportunities for interested Canadians to continue to contribute into the NWMO. We encourage you to do so.</p> <p>For information, visit www.nwmo.ca</p> <p>To contact us: Nuclear Waste Management Organization 27 St. Clair Avenue East Suite Four Toronto, Ontario M4T 2B7</p> <p>Tel: 416-914-0914 Toll Free: 800-246-8088 www.nwmo.ca</p> <p>nwmo Nuclear Waste Management Organization</p>

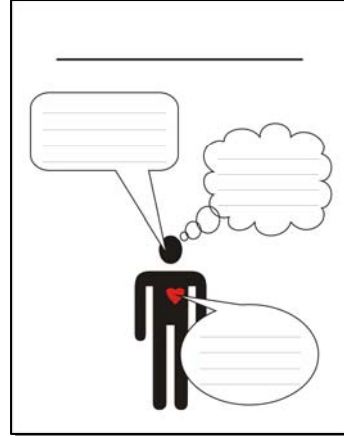
b. “Sharpie” Marker Exercise

The following are what Panelists marked with a “Sharpie” marker to indicate what they felt the most strongly about, positively or negatively.

Statements/Images Panelists Agreed with the most	Statements/Images Panelists Disagreed with the most
<ul style="list-style-type: none"> • Must be fair for current and future generations (pg. 6) • Regardless of decisions which will be taken about how electricity should be generated, our generation has a responsibility to safely manage the waste we produce (pg. 3) • Values: Integrity, Excellence, Engagement, Accountability, Transparency (pg. 7) • International perspective (pg. 3) • Regardless of decisions which will be taken about how electricity should be generated, our generation has a responsibility to safely manage the waste we produce (pg. 3) • Phase Three: Used fuel packaged into long-lived containers and placed in the deep geological repository (pg. 11) • Fairness, public health and safety, worker health and safety, community wellbeing security, environmental integrity (pg. 6) • Our destination is clear: an approach to managing used nuclear fuel that is safe, secure and fair (pg. 16) • A strong research program will ensure Canada benefits from leading edge technological innovation in radioactive waste management developed domestically and elsewhere (pg. 5) • Pages 12 and 13: Should be placed earlier in the brochure • Pg. 11: I liked the organization of this page. It is easy to follow. 	<ul style="list-style-type: none"> • The NWMO is working hard to reach and listen to interested Canadians (pg. 16) • Four provinces involved in nuclear recycling...Saskatchewan (pg. 14) • Funding Adaptive Phased Management (pg. 9) • Technical method (pg. 10) • Pg. 8: Unclear • Page 12 and 13: Too complex • The committed liability associated with the long-term management of the current inventory of used nuclear fuel is about \$4.4 billion (pg. 9) • Phase One: Design, licence and construct an underground characterization facility and optional shallow storage facility if required (pg. 11) • ... engaged thousands of Canadians, including specialists and Aboriginal people to chart a path forward (pg. 1) • The legal responsibilities for these contributors rest with the individual companies (pg. 9)

c. Think/Feel/Say

Panelists, after individually reviewing the entire NWMO brochure, were asked to write down what they thought about the brochure, what they would say about the brochure and how the brochure made them feel. This metaphorical or projective exercise was an attempt to get a more nuanced view of the brochure and to have Panelists share some of their internal reservations they may have been holding back from the Panel. These exercises were not discussed but done individually in writing and immediately collected.



Overall, when asked what they thought about the brochure, many Regina Panelists were skeptical as to any bias in the information, as well as any self-interest the NWMO may have in putting out the brochure. In terms of what they would say about the brochure, most Regina Panelists were quite positive, praising the brochure for its level of information and organization. However, when asked how the brochure made them feel, Panelists were more divided as some were sceptical of the organization and others felt positive after reading it.

The following are what Regina Panelists thought, said and felt.

THINK	Nuclear energy companies want to increase production, worried about the public.
	We've done our homework, talked to Canadians, professionals. If something goes wrong, we did what we could.
	Clever messaging intended to convince me. Not sure if I trust it.
	Who put the brochure together and what was their bias?
	Even though it is managed/monitored, could problems occur? Triggered by earthquake or unforeseen problems (transportation)?
	Tell me or someone if you have an interest in this and why or why not?
	Some of the background graphics made it hard to read.
	Good info, given positive outlook, looks good. Timeline seemed long, still looking at it with a bit of bias. Does this really solve a problem?
	I may not want to tell people that I considered it all of great merit because people in my world are so cynical.
	Raises some questions or issues that need further discussion on development.
	Get off your butt and get involved with environmental issues in your community.
SAY	It was well done, informative, organized, trying to cover all areas.
	We will make sure every base is covered before we move a rod.
	A new brochure was produced by NWMO, it is important that we all read it and do some outside research to be aware and informed.
	Great brochure, positive in being informative and how it is laid out.
	Nuclear fuel waste management is a complex and changing challenge facing many nations.
	Read this and see if you agree with the thrust and idea of the whole project.
	Fairly informative gives good explanation as to the quantity of waste.

	I have little faith in the nuke waste solutions.
	Booklet with an overview of nuclear power/waste and info on how it will be managed, creation of committees. Good first resource.
	I would want people to know that the brochure is very systematic. The picture and symbolic representation are useful to understanding the complexity of the process being undertaken.
	Gives a decent overview of a process. Adds clarity to vision and mission.
	Political parties should publicly state their plans, should deal with them more directly. Doesn't connect the dots ie: regulatory responsibility.
FEEL	Feel the development of future technology may not be there when we need it. Worried.
	Informative but starting to look more like a sales pitch.
	Which ever the forethought in the brochure my hope is that the truth is there.
	Proper management should be achieved through effort of many countries.
	It could have been harder hitting, more detail.
	Seemed to be of a very high quality product.
	The book was informative and well done.
	Positive outlook and look but I still think about the use of nuclear power and continuing to use it.
	I was impressed with it overall. It isn't overtly biased and I don't even really sense underlying propaganda, although I am not entirely naïve.
	Work in process, not quite a finished product.
	This needs general distribution to the public so people can broadly participate in the discussion.

5. STRATEGIC OBJECTIVES EXERCISE

Panelists were provided with an NWMO document summarizing the organization’s current strategic objectives. After reviewing this exercise, Panelists were asked to rate how important each strategic objective was to them, as well as how appropriate the particular objective was to them. The rating of importance was intended to demonstrate how important each Panelist felt it was for the NWMO to undertake each strategic objective, whereas the appropriate rating was intended to demonstrate how appropriate Panelists felt it was for the NWMO to have each as a strategic objective for their organization.

nwmo NUCLEAR WASTE MANAGEMENT ORGANIZATION

Please read through each of the following objectives. After reviewing each strategic objective, please indicate, on a scale of 1 to 5, how important it is to you that the NWMO do this, and please indicate how the two ratings together as an appropriate one for the NWMO to have. You can indicate your choice by circling a number in the boxes on the left with 1 being very important/program and 5 being not important/objective appropriate.

Strategic Objective	Importance	Appropriateness
We are studying our efforts to the building of long-term relationships with interested Canadian and Aboriginal people and involve them in various future activities.	1 2 3 4 5	1 2 3 4 5
We are putting in place a strong research program designed to increase NWMO's knowledge of technical and social knowledge. This will bring it back the most advanced international expertise to support implementation of a government decision.	1 2 3 4 5	1 2 3 4 5
We are studying our efforts to develop and create a funding formula and trust fund based activities that address financial stability and long-term program funding.	1 2 3 4 5	1 2 3 4 5
We are reviewing processes and activities to ensure the organization and its activities fully integrate. This includes continuing to review adjust and update plans against technical, social, strategic, financial, technical, regulatory and other, as well as, energy and environmental, political, economic, technical, and social, and other needs.	1 2 3 4 5	1 2 3 4 5
We are developing a governance structure that provides Government, Stakeholders, Board management, and the public with greater assurance, oversight, advice and guidance about NWMO's activities during the implementation phase.	1 2 3 4 5	1 2 3 4 5
We are forming NWMO to become an implementing organization - an organization with a full range of capabilities to implement a government decision, including social, technical and financial capabilities.	1 2 3 4 5	1 2 3 4 5
We will conduct and the collaborative decision of a process to select a site, conduct full public engagement program, a site visit and receive approval of a siting process.	1 2 3 4 5	1 2 3 4 5

Additionally, Panelists were asked if any strategic objective was unclear, or if there were any objectives not on the list that they would like to see present.

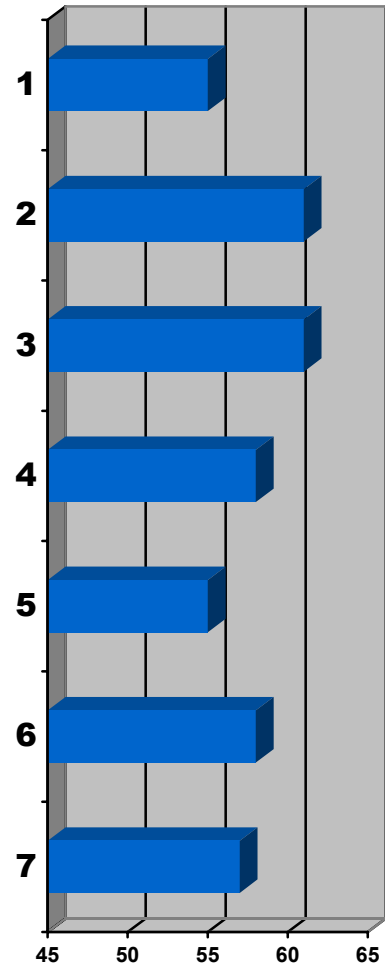
The results expressed were weighted and then tabulated, such that the first preference had the highest value, the second preference the second highest value etc. In the charts that follow, the total values are the sum of the weighted preferences.

Overall, Regina Panelists rated the objective concerning the development of a “strong research program” most important as well as most appropriate. Also rated most important was the concerning the development of a “funding formula and trust fund.” Deemed somewhat less important by Panelists was both the objective concerning the NWMO’s efforts to build long-term relationships with Canadian and Aboriginal peoples, as well as the objective concerning the organization’s “governance structure.” Deemed somewhat less appropriate by Panelists was the strategic objective concerning the reformation of the NWMO to an “implementing organization.”

The following are strategic objectives as rated by importance by Panelists:

Importance

1. We are directing our efforts to the building of long-term relationships with interested Canadians and Aboriginal people and involve them in setting future direction
2. We are putting in place a strong research program designed to broaden NWMO's foundation of technical and social knowledge. This will bring to bear the most advanced international expertise, to support implementation of a government decision.
3. We are deepening our efforts to develop and refine a funding formula and trust fund deposit schedules that address financial surety and long-term program funding.
4. We are developing processes and activities to ensure the organization and its activities are fully adaptive. This includes continuing to review, adjust and validate plans against factors such as advances in technical learning, evolving societal expectations and values, and changes in energy and environmental policies, composition, volume and form of used nuclear fuel.
5. We are developing a governance structure that provides Government, Members, Board, management and the public with greater assurance, oversight, advice and guidance about NWMO activities during the implementation phase.
6. We are re-forming NWMO to become an implementing organization - an organization with a full range of capabilities to implement a government decision, including social, technical and financial capabilities.
7. We will proceed with the collaborative design of a process to select a site, supported by a public engagement program. An alternative step will involve initiation of a citing process.

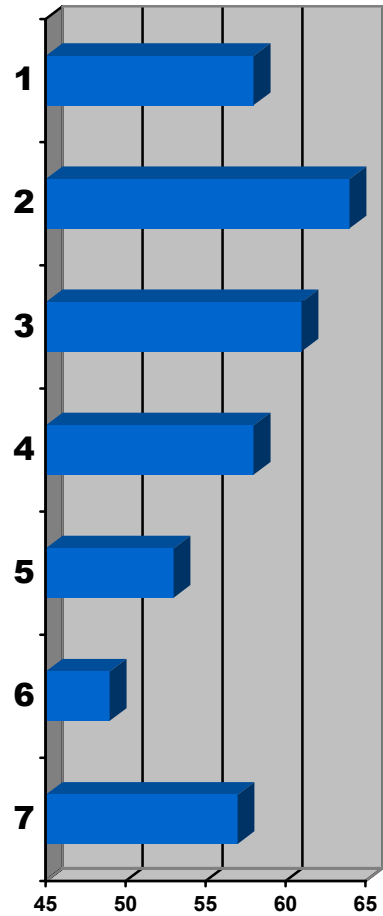


Panelist	R-1A	R-2A	R-3A	R-4A	R-5A	R-6A	R-7A	R-8A	R-9A	R-10A	R-11A	R-12A	R-13A
IMPORTANCE													
1.	1	4	1	2	2	1	1	3	3	1	2	1	1
2.	1	1	1	1	1	3	1	2	1	2	1	1	1
3.	1	1	1	1	3	1	1	2	1	1	2	1	1
4.	1	2	1	2	3	1	1	3	1	1	2	1	1
5.	1	2	1	2	4	1	1	2	4	1	1	2	1
6.	1	2	1	2	2	1	2	2	1	2	1	2	1
7.	1	1	1	1	3	1	1	3	4	1	1	2	1

The following are strategic objectives as rated by appropriateness by Panelists:

Appropriateness

1. We are directing our efforts to the building of long-term relationships with interested Canadians and Aboriginal people and involve them in setting future direction
2. We are putting in place a strong research program designed to broaden NWMO's foundation of technical and social knowledge. This will bring to bear the most advanced international expertise, to support implementation of a government decision.
3. We are deepening our efforts to develop and refine a funding formula and trust fund deposit schedules that address financial surety and long-term program funding.
4. We are developing processes and activities to ensure the organization and its activities are fully adaptive. This includes continuing to review, adjust and validate plans against factors such as advances in technical learning, evolving societal expectations and values, and changes in energy and environmental policies, composition, volume and form of used nuclear fuel.
5. We are developing a governance structure that provides Government, Members, Board, management and the public with greater assurance, oversight, advice and guidance about NWMO activities during the implementation phase.
6. We are re-forming NWMO to become an implementing organization - an organization with a full range of capabilities to implement a government decision, including social, technical and financial capabilities.
7. We will proceed with the collaborative design of a process to select a site, supported by a public engagement program. An alternative step will involve initiation of a citing process.



Panelist	R-1A	R-2A	R-3A	R-4A	R-5A	R-6A	R-7A	R-8A	R-9A	R-10A	R-11A	R-12A	R-13A
APPROPRIATENESS													
1.	1	2	1	3	2	1	1	2	2	2	1	1	1
2.	1	1	1	1	1	1	1	1	1	2	1	1	1
3.	1	2	1	1	1	1	1	2	1	1	1	1	3
4.	1	3	1	2	2	2	1	3	1	1	1	1	1
5.	5	1	3	3	2	3	1	1	2	1	1	1	1
6.	5	1	3	3	1	4	1	2	2	2	1	1	3
7.	1	1	3	1	1	1	1	2	4	1	2	1	2

6. TRANSPARENCY EXERCISE

Panelists were provided with an excerpt of the draft NWMO Transparency Policy. The exercise was introduced with a reminder to Panelists about the frequency with which they raised the issue of transparency as an important pursuit and focus for the NWMO in the previous research phase of the study.

After taking time to review the Policy individually, Panelists were asked to discuss whether or not this met with their general expectations.

The Saskatoon Citizen Panel did not discuss the NWMO's proposed transparency policy.



7. WEBSITE REVIEW (POST-SESSION WORK)

Panelists were provided with post-session work (homework) to complete following the Citizen Panel. The work consisted of a simple seven question survey to be completed after a brief review of the NWMO website. Those without any access or ability to use the internet were exempted from the exercise.

The survey could be completed in hard copy and mailed-in to Navigator or through an online survey engine. A copy of the survey questionnaire is included as an appendix to this document.



The image shows a survey questionnaire titled "NAVIGATOR" with a logo featuring a compass rose. Below the title, there are three open-ended questions in a form layout:

- What is your overall impression of the NWMO website?
- Does the website appeal to you? Why?
- What do you feel is the biggest problem for the website? What makes you think that?

Of the responses received, feedback has been fairly positive. Although most Regina Panelists feel the website is informative and easy to navigate, some feel that it is not very inviting, too information intensive and somewhat confusing. However, the majority of Panelists feel the website appeals to them and its intended audience is interested Canadians.

Most Panelists found the ease with which they could access reports, the round table discussion and Aboriginal dialogues the most interesting aspects of the website. In terms of what they were hoping to, but did not see on the website, the only mention was really to have more discussion on the future of nuclear power and alternative energy sources.

Panelists agreed that the website has a consistent look and feel and is easy to navigate, and did not feel that it contained too much information.

8. PARKING LOT QUESTIONS

Throughout the Panel discussion, whenever a question was raised that was outside of the current discussion, about a specific matter the Discussion Leader could not address or simply brought up for future consideration, Panelists were asked to outline their question on the Post-it notes provided and place the question in the “Parking Lot.” Panelists were informed that all questions put in the “Parking lot,” a flip chart beside the Discussion Leader, would be answered by the NWMO and provided to Panelists at a future session. This was a further means by which Panelists were empowered and encouraged to think of their contributions longitudinally over the life of the Panel.

“Parking Lot” questions from Regina Panelists were the following:

- Page 10 of the brochure: Supplementation left too open, needs a firmer commitment.
- Only 6 countries mentioned. What are 26 other countries doing with waste?
- For how long sites (*sic*)?

APPENDICES

- i. Personnel
- ii. Discussion Leader's Guide
- iii. NWMO Brochure Information
- iv. Red/Green Pen Exercise Instructions
- v. NWMO Strategic Objectives
- vi. NWMO Transparency Discussion Paper (Excerpt)
- vii. Website Survey

I. PERSONNEL

JAMES STEWART WATT, SENIOR DISCUSSION LEADER

Jaime Watt is Chair of Navigator, a Toronto-based research consulting firm that specializes in public opinion research, strategy and public policy development.

Prior to relocating to Toronto, he was, for ten years, Chair of Thomas Watt Advertising, a leading regional advertising agency and communications consulting firm based in London, Ontario.

A specialist in complex communications issues, Jaime has served clients in the corporate, professional services, not-for-profit and government sectors and has worked in every province in Canada, the United States, the United Kingdom, France, Central America, Korea and Kosovo.

He currently serves as Chair of Casey House, Canada's pioneer AIDS hospice, as well as Casey House Foundation and is a Vice President of the Albany Club. He is a director of the Dominion Institute, Woodrow Wilson Center's Canada Institute, TD Canada Trust's Private Giving Foundation, The Canadian Club of Toronto and The Clean Water Foundation. As well, he is a member of the President's Advisory Council for the Canadian Red Cross and is a member of the Executive Committee of Canadians for Equal Marriage. He was a founding Trustee and Co-chair of the Canadian Human Rights Trust and the Canadian Human Rights Campaign.

CHAD A. ROGERS, SUPPORTING DISCUSSION LEADER

Chad Rogers is a Consultant at Navigator providing strategic planning and public opinion research advice to government, corporate and not-for-profit clients.

He has recently returned to Canada after working abroad with the Washington, DC based National Democratic Institute as director of their programs in Kosovo and Armenia respectively. Chad oversaw multi-million dollar democracy and governance assistance programs directed at political parties, parliaments and civil society organizations in newly democratic nations. He conducted high-level training with the political leadership of

Armenia, Bosnia Herzegovina, Iraq, Kyrgyzstan, Macedonia, Moldova and Serbia.

Having previously worked on Parliament Hill as both a legislative and communications assistant to Members of Parliament and Senators, he has an in-depth knowledge of Canada's Parliament and its committees, caucuses and procedures.

He is a board member of the Kosova Democratic Institute and is a member in good standing of the Public Affairs Association of Canada (PAAC) and the Market Research & Intelligence Association (MRIA). Chad has trained at the RIVA Qualitative Research Training Institute.

COURTNEY GLEN, PROJECT MANAGER

Courtney Glen is a Consultant at Navigator assisting in public opinion research, strategic planning and public policy advice for government, corporate and not-for-profit clients.

Courtney most recently worked at the Fraser Institute as a junior policy analyst in health and pharmaceutical policy. In her time at the Institute, Courtney co-authored a major pharmaceutical policy paper and contributed to their monthly policy journal, *The Fraser Forum*.

Prior to that, Courtney worked as a researcher for the Scottish Labour Party in Edinburgh, Scotland, conducting an audit of the Parliament's Cross Party Group on International Development.

Courtney has a Masters in International and European Politics from the University of Edinburgh in Scotland and a Bachelor of Arts Honours degree in Political Science from the University of Guelph.

JOSEPH LAVOIE, PANEL MANAGER (FRANCOPHONE)

Prior to joining Navigator, Joseph Lavoie worked at Citigroup Global Transaction Services where he improved communications within the Transfer Agency Systems department. Joseph achieved this objective via Web 2.0 technologies, which he previously leveraged in developing Santa's Journal, a successful viral marketing campaign that introduced Santa Claus to the world of blogging and podcasting.

Joseph has been active in numerous provincial and federal election campaigns; has provided political commentary for various websites and television/radio programs; and has served as the recruitment director for the Ontario Progressive Conservative Youth Association. In March 2007, Joseph was selected *Canada's Next Great Prime Minister* by Canadians as part of a scholarship program sponsored by Magna International, the Dominion Institute, and the Canada-US Fulbright Program. He currently serves on the Public Affairs/Marketing Team for the Toronto Symphony Volunteer Committee.

STEPHEN LEONARD, PANEL MANAGER (ANGLOPHONE)

Prior to joining Navigator, Stephen attended the University of Guelph where he graduated with a Bachelor of Arts Honours degree in History. Throughout his undergraduate career, Stephen was an active member of the Canadian Forces Army Reserve in Toronto, which he left in June due to medical reasons as a Corporal.

Stephen is head Panel Manager and plays a vital role in the management and organization of the Citizen Panel project.

II. DISCUSSION LEADER'S GUIDE

PHASE ONE CITIZEN PANELS

DISCUSSION LEADER'S GUIDE / PANEL OBJECTIVES

Panel Objectives:

1. To initiate a Citizen's Panel for the Nuclear Waste Management Organization (NWMO).
2. To fully explore the NWMO brochure and have Panelists give direction on possible improvements for future iterations.
3. To gain insight and perspective from Panelists on the direction of the NWMO as it concerns Adaptive Phased Management (APM) and NWMO's movement into the implementation phase of its work.
4. To explore the feelings of Panelists toward an NWMO Transparency Policy and what suggestions they might have for such a policy in the future.

Panel Dates:

Monday, November 5:	Regina, Saskatchewan
Tuesday, November 6:	Saskatoon, Saskatchewan
Wednesday, November 7:	Toronto, Ontario
Saturday, November 10:	Kingston, Ontario
Tuesday, November 13:	Saint John, New Brunswick
Wednesday, November 14:	Montreal, Quebec
Thursday, November 15:	Sault Ste. Marie, Ontario
Monday, November 19:	Scarborough, Ontario

PHASE ONE CITIZEN PANELS

DISCUSSION LEADER'S GUIDE / PANEL OBJECTIVES

Discussion Leader: Jaime Watt
Transcriber: Courtney Glen

ADVANCE OF DISCUSSION

1. LOBBY EXERCISE (0:00 – 0:20)

- **Red Green pen exercise on NWMO brochure**
 - Mark with a green pen those things you like and agree with and things that make sense to you.
 - Mark with a red pen those things you dislike or disagree with and things that do not make sense to you.
 - Your marking can be for text content (underline), graphics or photos (circle) or any element of the publication.
- **One page of written instructions, addressed briefly by Discussion Leader**
 - I would like you to review the document once completely before making any marks on it. After you have reviewed the document from start to finish, I would ask that you take the red and green pens you have been provided and mark in any way (underline, circle, strikethrough) things you like or agree with and things you dislike or disagree with. The green pen is for marking those things that you like or agree with and the red pen is for marking those things that you dislike or disagree with.
 - You are free to mark anything in the document, not just the text. For instance, if there is a graphic or layout element you like or dislike, you can mark this as well.
 - After you have finished reviewing the entire document and marking it with the red and green pens, please take the black sharpie marker provided and mark, with a circle, the one thing you liked most or agreed with the most, as well as the one thing you disliked most or disagreed with the most. That is, of all the marks you made, pick one red and one green that you felt the most strongly about and put a big circle around them with the sharpie marker.

- When you have marked the document with your red and green pens, and then with the black marker for the red and green marking you felt most strongly about, place the document in the envelope. You do not need to seal the envelope.
- Please print in clear block letters your first name and the first letter of your last name on the front of the envelope.

PANEL DISCUSSION

1. OPENING OF PANEL SESSION (0:20 – 0:25)

- Welcome back
- Explanation of Panel methodology
 - Difference between a focus group and Citizen Panel discussion
 - Discussion and interplay between Panelists
 - Debate and raising questions, as opposed to the Discussion Leader asking all the questions
- Confidentiality of session
 - While nothing we do here today is secret, we do need to all feel safe that we can air our opinions freely and honestly. I would ask if everyone can consent to not speaking to the media about our discussions and agreeing not to quote the words of any one person.
 - In our reports and work, we will never identify comments in a way that would identify you.
- Explanation of NWMO disclosure of proceedings

2. INTRODUCTIONS (0:25 – 0:35)

- Brief introductions
 - First names only
 - Occupation, family, place of residence
 - One thing that connects you to one other introduction you have heard

3. AGENDA & EXPECTATIONS (0:35 – 0:45)

- Role of Discussion Leader
 - As mentioned, a Discussion Leader is different than moderator
 - Looking to the panel to have more of a role in the discussion, although I will assist in helping us use our time in the best manner
- Introduction of Steve Leonard
 - In front of you, you will find his contact information.
 - Your point of contact, please feel free to call him if you have any questions or concerns.
- Transcriber
 - Works for the whole panel, please feel free to direct the transcriber to make special note of important points
- Parking lot
 - Everyone has in front of them a number of Post-it notes
 - I would ask that when you have a question, a thought, an idea or a point you want to make that may not relate directly to what we are discussing you jot it down and pass to me, I will place it on the ‘Parking Lot’ flip chart
 - At the end of the session we will come back to this list and attempt to get answers

4. GENERAL DISCUSSION (0:45 – 1:00)

- I am wondering if you thought more about the NWMO after our last session, as many people tell me that, despite their best intentions, they just go back to their daily routines without giving it another thought.
- Has anyone read, seen or heard anything about NWMO in the media since our last discussion?

- Has anyone mentioned anything about used nuclear fuel to a friend, family member or co-worker since our last discussion?
- Have you thought about anything since our last discussion that you wish you had mentioned?

5. BROCHURE (1:00 – 2:00)

[Ask Panelists to take the manila envelope they place their marked copy of the NWMO report in and remove the report]

Think/Feel/Say Exercise

- I am now distributing a sheet with a caricature representing a person. This person is intended to be you. I would like you, after having reviewed the NWMO report earlier this evening, to write in the three spaces provided how you thought, felt and what you would have said about the report.

[For all questions below, probe why – reasons the report makes them feel the way they do]

- For instance, how did the report make you feel? Did it raise any emotions?
- What did you think of the report that you might hesitate to say out loud, knowing that someone from the NWMO was here?
- What would you have said to the person who wrote the report if they were here?
- What did you think of the report when you saw it?
- What do you think others would say about this report?

Red/Green Pen Exercise

[Discussion Leader uses large copy to lead the discussion]

- Review red green pen markings by section, assign:
 - One strongest like/agreement from each Panelist
 - One strongest dislike/disagreement from each Panelist

- Page by page review

6. NWMO IMPLEMENTATION (2:00 – 2:25)

Review of the status of the APM

[Distribute NWMO newsletter]

- Are NWMO's objectives and progress in line with your expectations? Why do you say that? What did you expect? How would you know what to expect?
- What is your reaction to the current status? Why do you say that?
- What organizations should be involved at this point? Why do you say that? How should they be involved?
- What type of groups would you like to see NWMO working or consulting with? What type of groups should they not be consulting or working with?
- Are there any credible third party groups you feel could help NWMO with their work?

Review of NWMO Strategic Objectives

[Distribute NWMO strategic objectives]

- I have a brief exercise I would like everyone to complete.
 - Please read it through once in its entirety. This is a list of strategic objectives NWMO is considering for itself. These would be the overall objectives that guide the organization.
 - After reviewing each strategic objective, please indicate, on a scale of 1 to 5, how important it is to you that the NWMO do this. As well, please indicate if you feel the strategic objective is an appropriate one for the NWMO to have.
 - Please do this exercise individually and then we will discuss your responses
- Review group responses in brief discussion
 - I want to ask you about Importance vs. appropriate for example:
 1. Is this the right priority, if it is, how important is it that they dedicate resources to it

7. TRANSPARENCY (2:25 – 2:40)

Discussion of needs of NWMO Transparency Policy

- I now want to have a discussion about transparency policy. What do you think a transparency policy is?
- Do you think it is important for an organization, such as the NWMO, to have a transparency policy? Is it needed? Why?
- How does having a transparency policy serve an organization such as the NWMO?
- What do you expect a transparency policy to cover? What would you like it to include?
- What would you expect to see in a document outlining the NWMO's transparency policy?

[Distribute NWMO transparency document]

- I am now handing out a document which is a high-level summary of NWMO's transparency practices.
 - Does this meet with your expectations?
 - Do you feel there is any special effort that NWMO must make to be transparent? Do you see that reflected here?
- Do you feel there is a need for transparency measures such as the following:

[If so, why?]

[Discussion Leader will explore each of the three concepts as the discussion progresses.]

- *Presumed Disclosure* – Some institutions, especially those with mandates that involve the public or large social groups as stakeholders, assume that information is to be disclosed unless it meets specific criteria for classifying it as confidential.
- *Leaving space for internal contemplation* – Some organizations purposely allow themselves free space to openly discuss and

deliberate ideas within the organization through the exemption of some forms of internal communications from disclosure.

- *Independent Oversight* – Some transparency and disclosure regimes, both inside and outside of the private sector, employ the use of some form of independent review or oversight to ensure adherence to policies. Within public institutions, a review committee may be set up to hear complaints regarding the process, or hear appeals when requests for information are rejected. In the private sector, where information is more likely to be voluntarily offered to the public as opposed to being available for request, auditing firms may be employed to ensure that the information being offered is accurate and in line with established guidelines.

8. WRAP-UP (2:40 – 2:50)

- Parking lot questions

- Invite NWMO discussion
 - You have raised a number of questions and issues that may require an expert answer. Additionally, we are covering material like NWMO implementation which exceeds my ability to explain to you. Would you like, for a portion of our future session, to invite an NWMO representative into the room to answer your questions and present the current situation from NWMO's perspective? This person would not have to be here for the whole session and would be at your disposal.

- As we end our session does anyone have any remaining issues to discuss or questions to raise about our work?

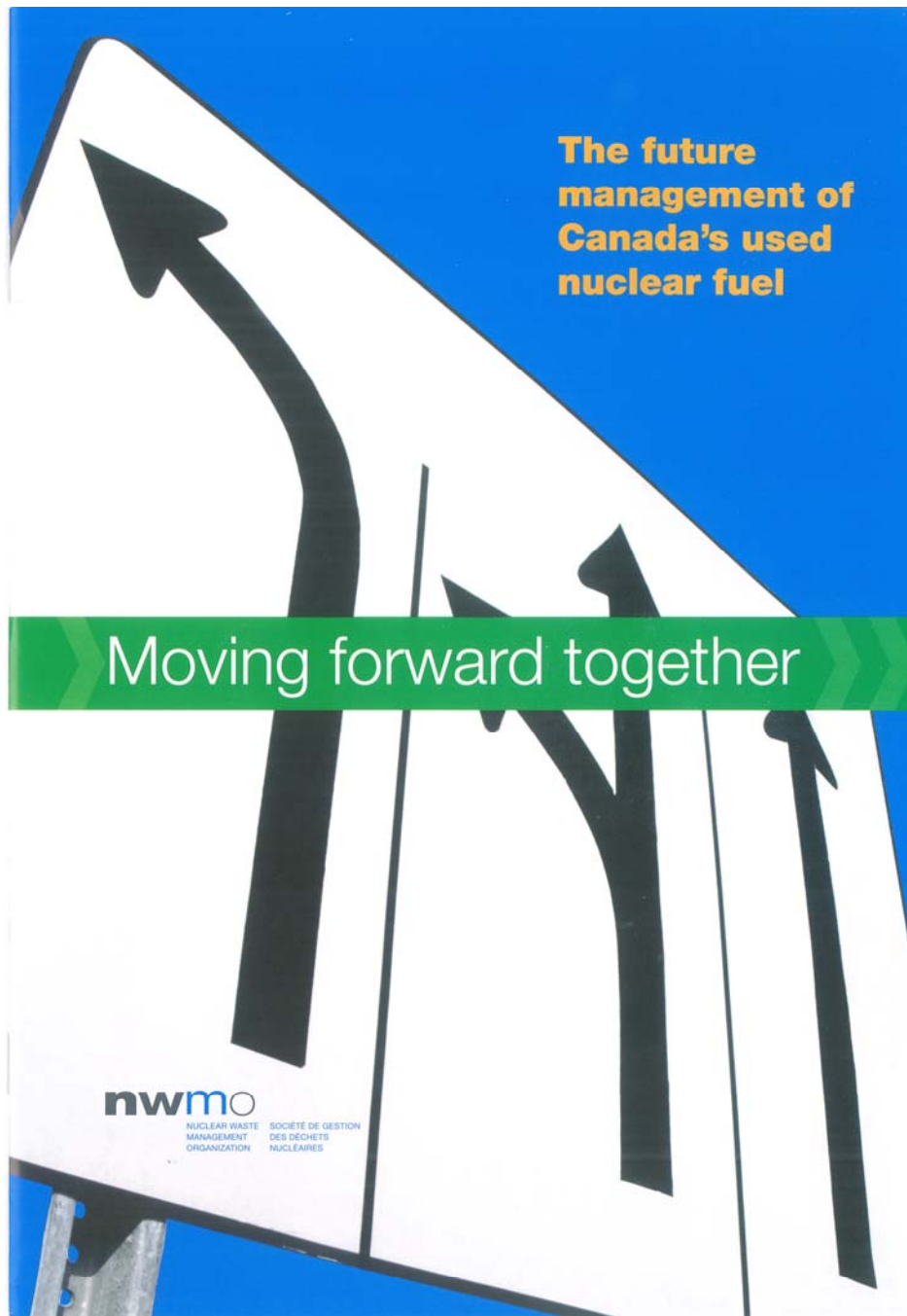
9. NEXT SESSION (2:50 – 3:00)

- Homework
 - Website review (for those with web access)
 - Copy of survey to fill out with stamped return envelope
 - General Question Sheet (Parking Lot for take home purposes)

- Possible dates of next meetings

- Explanation of incentive schedule
- Adjourn

III. NWMO BROCHURE INFORMATION



**The future
management of
Canada's used
nuclear fuel**

Moving forward together

nwmo
NUCLEAR WASTE
MANAGEMENT
ORGANIZATION SOCIÉTÉ DE GESTION
DES DÉCHETS
NUCLÉAIRES

Information available at www.nwmo.ca
L'information disponible en français.

IV. RED/GREEN PEN EXERCISE INSTRUCTIONS

In front of you, you will see the document “Moving Forward Together.” Please take a moment to review the document completely.

Once you have reviewed the document from start to finish, please do the following:

1. Take the red and green pens you have been provided and begin to mark, in any way (underline, circle, strike through), things that you like or agree with and things that you dislike or disagree with. The green pen is for marking those things that you like or agree with and the red pen is for marking those things that you dislike or disagree with.

You are free to mark anything in the document, not just the text. For instance, if there is a graphic or layout element you like or dislike, you can mark this as well.

2. Once you have finished reviewing the entire document and marking it with the red and green pens, please take the black sharpie marker you have been provided and mark, with a circle, the one thing you liked most or agreed with the most, as well as the one thing you disliked the most or disagreed with the most. That is, of all the marks you made, pick one red and one green that you feel most strongly about and put a big circle around them.
3. Once you have marked the document with your red and green pens, and then with the black marker for the red and green marking you felt most strongly about, place the document in the envelope provided. You do not need to seal the envelope.
4. Please print in clear block letters your first name and the first letter of your last name on the front of the envelope. The Discussion Leader will be out to get you shortly.

V. STRATEGIC OBJECTIVES

Please read through each of the following objectives. After reviewing each strategic objective, please indicate, on a scale of 1 to 5, how important it is to you that the NWMO do this. As well, please indicate if you feel the strategic objective is an appropriate one for the NWMO to have. You can indicate your choice by circling a number in the boxes on the left, with 1 being very important/appropriate and 5 being not important/not appropriate.

Strategic Objective	Importance	Appropriateness
We are directing our efforts to the building of long-term relationships with interested Canadians and Aboriginal people and involve them in setting future direction.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We are putting in place a strong research program designed to broaden NWMO's foundation of technical and social knowledge. This will bring to bear the most advanced international expertise, to support implementation of a government decision.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We are deepening our efforts to develop and refine a funding formula and trust fund deposit schedules that address financial surety and long-term program funding.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We are developing processes and activities to ensure the organization and its activities are fully adaptive. This includes continuing to review, adjust and validate plans against factors such as advances in technical learning, evolving societal expectations and values, and changes in energy and environmental policies, composition, volume and form of used nuclear fuel.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We are developing a governance structure that provides Government, Members, Board, management, and the public with greater assurance, oversight, advice, and guidance about NWMO activities during the implementation phase.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We are re-forming NWMO to become an implementing organization – an organization with a full range of capabilities to implement a government decision, including social, technical and financial capabilities.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO
We will proceed with the collaborative design of a process to select a site , supported by a public engagement program. A later step will involve initiation of a siting process.	1 2 3 4 5 #1 is it is very important the NWMO do this and #5 is it is not important the NWMO do this	1 2 3 4 5 #1 is it is the objective is appropriate for the NWMO and #5 is it is not appropriate for the NWMO

VI. NWMO TRANSPARENCY DISCUSSION PAPER (EXCERPT)

NWMO Approach to Transparency

- We will conduct ourselves with honesty and respect for all persons and organizations.
- We will pursue the best knowledge, understanding and innovative thinking in our analysis, engagement processes and decision-making.
- We will seek the participation of all *communities of interest* and be responsive to a diversity of views and perspectives.
- We will communicate and consult actively, promoting thoughtful reflection and facilitating a constructive dialogue.
- We will be fully responsible for the wise, prudent and efficient management of resources and be accountable for all our actions.
- We will be open and transparent in our process, communications and decision-making, so that the approach is clear to all Canadians.

We will give evidence of this by publishing on the NWMO's website, in a timely manner:

- A copy of the legislation which outlines the mandate of the NWMO, to facilitate public access.
- Our formal reports to Government (Annual Report, Audited Financial Statements), and formal direction received from Government.
- The vision, mission and values which inform NWMO's activities.
- Minutes of meetings of any decision-making and/or advisory body struck.
- (Final) Reports from all research commissioned by the NWMO, whether it be scientific, technical and/or social scientific in nature.
- NWMO work plans, which outline the planned work of the NWMO for the coming period.
- Discussion documents, in order to share NWMO thinking with the public at critical decision points through the implementation process, and solicit comment and direction before proceeding to the next step.
- Advice and direction received by the NWMO through dialogues and/or submissions in summary form, and by individual or organization where the NWMO has explicit permission to do so. This includes reports from dialogues and workshops (including expert workshops).
- Reports from all public attitude research commissioned by the NWMO.
- All speeches delivered by the President of the NWMO in conferences and/or workshops.

VII. WEBSITE SURVEY

Open Ended Questions:

1. What is your overall impression of the NWMO website?
2. Does the website appeal to you? Why?
3. Who do you feel is the intended audience for the website? What makes you think that?
4. Was there something you were hoping to find on the web site that you did not see? If so, please outline what it is you were hoping to find.
5. What, if anything, did you find most interesting on the website?
6. Could you identify ways in which you would improve the website? If so, please describe.
7. What do you like most about the website?
8. Is there anything you do not like about the website?

Strongly Agree/Disagree Scale

1. I find the website has a consistent look and feel.
2. I find the website is easy to navigate.
3. I find the website has too much information.
4. I find that it is easy to find the specific information I am looking for on this website.
5. I find the navigation buttons are descriptive.

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