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Sent: May 6, 2020 2:53 PM

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Sylvia Stead <email address removed>
Subject: OPG DGR NWMO DGR NO GO!
Importance: High

May 6, 2020

Hi OPG, NWMO, Federal Minister of Environment & Climate Change, & CNSC:

It is time to start making nuclear waste a spectacular positive benefit in our Bruce County Community! Let's make use of our unparalleled incredible nuclear talent and brain trust to find a way to use, reuse, and recycle the spent nuclear fuel waste that remains highly dangerously radioactive forever. A stunning 95% of its potential energy still remains in this spent fuel waste! Why in the World don't we learn to harness this incredible energy by throwing the unlimited funds into research and development rather than a gravesite? The heretofore 95% unused energy that has been sitting dormant for decades as useless and abandoned nuclear waste could be salvaged and brought to life and used to heat and energize the World forever! And who better to accomplish this lofty goal than our own Bruce County Community that is the best prepared and best equipped Community anywhere in the World to take the lead in this process with the best nuclear minds already on site!? So let's start building the Campus for the University of Energy that will serve the World in a profound way forever, rather than burying a forever dangerously radioactive problem out of sight in a DGR graveyard for nuclear waste that will forever threaten ultimate disaster for our Community and our Environment! In other words, we have no choice as set forth in the following summary of this nuclear waste journey:

1. On January 31, 2020, Saugeen Ojibway Nation [SON] overwhelmingly voted "No DGR" in its territory. The vote was 1,058 "No DGR" to 170 "Yes"! And this vote was despite OPG offering SON \$150 million dollars for SON's support!!!
2. The very next day, February 1, 2020, Ontario Power Generation [OPG] terminated its DGR for clothes and rags in light of the resounding SON vote. "OPG respects the decision of SON members. We will now move forward to develop an alternate solution," CEO and president Ken Hartwick said in a statement. OPG had committed in 2013 to not build the DGR without SON consent.
3. Inexplicably, OPG did not seek Community consent 20 years ago BEFORE it started on its DGR nuclear waste journey in the year 2000. This unnecessary 20 years of wasted time spent on this doomed project at a waste of billions of Taxpayer dollars could have all been easily avoided by OPG having this SON vote occurring first rather than last in OPG's DGR process!
4. In addition, and even more alarming, is OPG's inexplicable and disrespectful unabated continuation of Nuclear Waste Management Organization's [NWMO's] search for a compelling willing Community to host a DGR in SON territory for spent nuclear fuel!
5. The Owen Sound Times reported on February 1, 2020, that NWMO has also committed to making its DGR contingent on SON's approval.
6. Citizens and Taxpayers own OPG. OPG is an Ontario government corporation. OPG owns all of the nuclear waste. OPG created NWMO, a non-profit corporation pursuant to federal legislation.

OPG owns NWMO, and provides some 95% of NWMO's funding. And, OPG has interchangeable employees and officials with NWMO. OPG is NWMO!

7. NWMO CEO and president Laurie Swami, was formerly Senior Vice-President of Decommissioning and Nuclear Waste with OPG, and led OPG during the OPG DGR Joint Review Panel [JRP] hearings. Ms. Swami, on behalf of OPG, advised the JRP about the agreement with SON that required SON's consent for the OPG DGR to proceed. Inexplicably, after more than 3 months since the SON vote that terminated the DGR for clothes and rags, the Federal Minister of the Environment and Climate Change is still awaiting word from OPG about the results of the SON "No DGR" vote as reflected by the DGR Registry, as of today at 10:45 am, May 6, 2020!
8. Despite SON's resounding "No DGR" in its territory, NWMO is continuing to squander obscene amounts of Taxpayer time and dollars on the NWMO DGR for spent nuclear fuel that has presumably been defeated by the SON vote on the OPG DGR!
9. NWMO certainly cannot be suggesting that SON would now support and consent to a DGR for spent nuclear fuel after having voted against a clothes and rags DGR!!!???
10. And the Municipality of South Bruce in our Bruce County Community is still being considered as the DGR site even though the process has proven that the entire Bruce County Community has unsafe geology to host a DGR for spent nuclear fuel!!!! Think about that for a moment!!!! 5 other municipalities in our Bruce County Community have been found to be unsafe and eliminated from consideration for the DGR. Yet, NWMO is still investigating to see if South Bruce, a mere few miles from these 5 other failed sites that were found to be unsafe, has geology that is "certain" to be safe for eternity!!! And the Great Lakes were just formed within the last 10,000 years in our Community! NWMO must have retained experts that can guarantee the geology under South Bruce will be safe and will never change for not only the next 10,000 years, but for eternity – necessary for a DGR to bury spent nuclear fuel! And South Bruce is only 1 of 2 municipalities in all of Canada left standing in these DGR sweepstakes! What a miracle it would be for South Bruce to actually qualify. What are the odds? After all, if South Bruce and Ignace do not qualify, the DGR for spent nuclear fuel will die from natural causes, after enormous squandering and obscene waste of Taxpayer time and money! And SON has already eliminated South Bruce as a candidate by its "No DGR" vote! And the rest of our Community has been left out of the South Bruce NWMO Community engagement process after NWMO closed its doors in the other Bruce County municipalities. The JRP had criticized this same inadequate government procedure conducted by OPG of not engaging the entire Bruce County Community in its DGR process for clothes and rags.
11. Furthermore, consider the following inexplicable points that make pursuing a DGR for spent nuclear fuel impossible:
 - a. We were all told by OPG that "spent nuclear fuel was not going to be stored in its clothes and rags DGR"! Ironically, Kincardine's and OPG's constant assurances to our Bruce County Community that spent fuel would be prohibited in the OPG DGR automatically eliminates our Bruce County Community as a "compelling willing host" for the NWMO DGR for spent fuel!

- b. After all, spent nuclear fuel had been stored on site in Kincardine for over 50 years! Why would OPG emphasize to all of us that spent fuel would be prohibited in its DGR? No answer was ever provided by OPG other than there was an inexplicable 2-Track 2-DGR process! But OPG owns all of the nuclear waste! Why did OPG not want to deal with all of the nuclear waste in 1 DGR at Kincardine? Common sense dictates that OPG must have considered spent fuel to be too dangerous to include in its DGR for clothes and rags!!! This is further proven by the fact that Kincardine did not even bid on the NWMO DGR for spent fuel!
- c. Next, OPG was planning a Taj Mahal DGR that would consist of 80% clothes and rags worn and used by nuclear workers. These clothes and rags must not have hurt the workers when they wore them and used them, and could be stored in your living room and not hurt you, yet OPG would have us all believe that you need to bury them a mile underground to protect all of us forever! What does common sense tell you? A DGR simply was not necessary for the clothes and rags! It was a sham! It was a Trojan Horse disguised to sell the spent fuel DGR to our Community, and ultimately to replace the clothes and rags with spent fuel!
- d. One of the main selling points for its clothes and rags DGR in Kincardine was OPG's emphasis on the fact that the clothes and rags did not have to be transported off site. In addition, OPG emphasized that Kincardine's geology for the DGR was the best geology in all of Canada. The JRP emphasized these important factors when it recommended approval of the DGR. Think about that for a minute. NWMO is investigating a DGR for spent nuclear fuel, not harmless clothes and rags. The spent nuclear fuel waste is dangerously highly radioactive forever. And NWMO is telling us that it is best to store this spent fuel at an off-site location that requires transportation over Public roads within our Community, or 100's of kilometres away in Ignace, rather than at the best site in Kincardine and where the waste is actually stored above ground! The exact opposite of the arguments made by OPG regarding its clothes and rags DGR! What does common sense tell you? And the spent fuel will not be able to travel off-site from Kincardine for at least the 30 years required for cooling above ground prior to being suitable for burial! – inexplicably leaving 2 different sites storing highly radioactive nuclear waste with commensurate double costs, double health and environmental problems, and double security concerns forever!!!
- e. And it takes more than 10 years of testing and investigation to determine if geology is safe for the DGR. What does common sense tell you? If it takes more than a decade to determine safety, it must not be safe by definition. Anything this uncertain can't be good and relied upon for eternity. There is no expert alive that can predict what will happen to any place on Earth in the next 5 minutes let alone forever!
- f. And why is there a need to enclose the spent nuclear fuel in encasements of copper or some other material that is destined to disintegrate over time. [See the Pyramids of Ancient Egypt built a mere 5,000 years ago.] If NWMO said that you could bury the nuclear spent fuel anywhere on the planet, and no encasement was necessary, one might feel more comfortable. This unparalleled decade long investigation of a site and testing of encasements proves only one thing: NWMO has no idea what will happen to this nuclear waste buried underground and out of site forever. We are nothing more

than guinea pigs in one big experiment! And by the time the DGR is destined to fail, the so-called experts will be long gone and there will be no accountability as our future generations will have to do their best to clean up the inevitable irreparable radioactive mess. And the different conflicting sales pitches by our government for the spent fuel and clothes and rags destroys any and all trust and credibility in both processes.

- g. There were no other bidders for the clothes and rags DGR. Kincardine was the one and only site investigated. And miraculously, OPG determined that it was the best geology for a DGR in Canada!!! What are the odds? Truly a miracle! And defies all common sense!
 - h. Yet there were 21 bidders for the spent fuel DGR! What are the odds? What does common sense tell you when these 21 municipalities had no interest whatsoever in bidding on the clothes and rags DGR, but they all thought it would be a good idea to bid on the spent fuel DGR???
 - i. Why didn't Kincardine bid on the spent fuel DGR? Common sense tells you because it is too dangerous and not a good idea! Clothes and rags can't hurt you, but burying spent fuel can!!!???
 - j. 30 years of payoffs by OPG to 5 Bruce County Municipalities was a major part of the OPG DGR process for OPG to garner their support for the clothes and rags DGR! What does common sense tell you? If the DGR was a good thing, why would OPG need to make 30 years of payoffs? If the DGR was a good thing why is the rest of Canada, and all of the United States, against the DGR for nuclear waste? What does common sense tell you?
 - k. Why did OPG, NWMO, and CNSC think it was necessary to participate in Bruce County Council illegal closed meetings for 7 years between 2005 and 2012 to secretly discuss the DGR processes without Community, Citizen, and Taxpayer knowledge and participation related to the biggest projects that will ever confront any Community anywhere!?
 - l. The WHIP DGR in New Mexico that the OPG DGR was modeled upon, failed within 15 years of a forever project!
 - m. All of these factors listed here are just the tip of the iceberg of a myriad of problems that have infected the DGR process that defy common sense!
12. In any event, all of us have a solemn duty and obligation to arrive at a solution for nuclear waste. Our Community was not properly educated about forever highly radioactive spent fuel nuclear waste 60 years ago when the nuclear plant was sold to us by our government. In any event, since we have it in our Community let's make it a positive resource. We are the only Community in Canada and the World that welcomes nuclear waste. Let's do something for our Community and the World with it. Common sense must prevail over so-called experts regarding eternity predictions. And the experts of common sense are found in the Citizens and Taxpayers of our Community – free of charge!

13. Think if all of that squandered money had actually been spent on figuring out how to use the 95% of spent nuclear fuel that could energize the World forever. The money expended on this 2-Track 2-DGR boondoggle process could have been spent throughout the past two decades building a University of Energy for the World that could find a positive solution to all nuclear waste. It is not too late to do that. We figured out how to get to the Moon, Mars, and beyond our Solar System. Figuring out how to use, reuse, and recycle the 95% of spent fuel that is designated as nuclear waste is just what our Community ordered. We are up for the challenge. Our University of Energy can set the standard for the World related to energy innovation for now and forever. What a spectacular opportunity! Rather than making nuclear waste a negative problem, let's make it a positive opportunity for all future generations to figure out. We do not bury our problems, we do not avoid our problems, we do not ignore our problems. We confront our problems head on and make them the best thing that ever happened to us. Overcoming adversity is the hallmark of the human spirit. Enough Said!
14. Terminate all DGR processes.
15. Start building a new Campus for the University of Energy for the World, now and forever!
16. Let's figure out how to use, reuse, and recycle the 95% of the potential energy left in spent fuel instead of burying it out of sight even though this "highly radioactive nuclear waste" will never disappear and will forever endanger everyone and the environment!

Most Respectfully,

John Mann
Citizen, Saugeen Shores, Ontario
Bruce County, DGR Community
<contact information removed>