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Acer Africa (Pty) Ltd
Per fax and email.

**RE: EIA 12/12/20/944 – ESKOM NUCLEAR POWER STATION AND ASSOCIATED INFRASTRUCTURE
SCOPING PHASE QUESTIONS AND COMMENTS**

Messrs Acer Africa

I thank you for the overview document provided promptly by mail.
Herewith are my views and comments regarding this application.

1 – Specialist Studies

- a) A number of specialist studies are noted in your supplied background information document. While this list includes fauna, flora and avi-fauna, it fails to include any specialist studies on the effect of radiation and nuclear energy towards human beings. A number of specialist studies have been conducted world-wide regarding this and the results are very negative, however, it is incumbent upon the environmental process to conduct a fully detailed and intensive study in this regard. For this I would highly suggest that international professionals unaffiliated nor linked to any aspect of the nuclear industry are contracted to carry out such studies.
- b) The consultants or specialists currently conducting these studies listed in the background information document need to be named, including their credentials, so that we the interested and affected parties may conclude whether these people are loyal to Eskom's goals or loyal to an unbiased public participation process. Such information should include these specialists' prior affiliation with Eskom projects and the outcome of the specialist findings in such projects. There is good reason I request this, namely that I have been party to a number of EIA processes and have found in an overwhelming predominance of cases that the specialists are "told" what to find and what to write.

2 – Inadequate Information supplied to registered parties

- a) The background information document paints nuclear energy in a positive light and fails to mention any of the shortcomings, failures and massive human tragedies that have been caused in the past by this industry. These are facts which are common knowledge and well known yet continually silenced by the nuclear industry. If this is to be a fair process then I

would expect that information dispersed into the public domain regarding nuclear energy, be truthful, accurate, unbiased and comprehensive ie. both good and bad. You cannot expect the public to draw conclusions with only half the information.

- b) The background information also fails to disclose any information about the full nuclear fuel cycle from start to finish. This would entail drawing up a document describing the processes from mining uranium, enrichment of uranium, usage in the nuclear station and finally to the radioactive waste which remains thereafter. In this regard I would respectfully request that the specialist study and findings of Jan Willem Storm van Leeuwen (storm@ceedata.nl or <http://www.stormsmith.nl/>) be included into the professional studies.
- c) The EIA public documents should also clearly inform registered parties regarding the Department of Minerals and Energy's (DME) plans to create a massive Uranium mining industry in South Africa and to mine Uranium in various parts of Gauteng, North West Province and Karoo. Additionally it should make mention of the DME's intentions to bypass the Department of Environmental Affairs (DEAT), The National Environmental Management Act (NEMA), the EIA process and public participation, plans which are also supported by Eskom.
- d) The background information document fails to mention the dangerous effects of radioactive uranium and the problems of past mining in South Africa that have left vast tracts of land radioactively contaminated with this toxicity now entering the human food chain. I refer you to the case of the Wonderfonteinspruit Catchment area in Gauteng and suggest that you contact Mrs Mariette Liefferink (mariette@acmegraphics.co.za) in this regard.

3 – Evacuation Plans and Medical Assistance

- a) The scoping process needs to address the issue of evacuation plans in a 100km radius in each city/community where a reactor is to be cited.
- b) Those cities MUST have informational signage in this regard posted at various points around their cities to inform citizens of their distance within the fallout zone, what to do in case of fallout, who to contact in case of fallout, where to get medical assistance in case of fallout.
- c) Each medical facility in affected cities and communities will need to be professionally trained in handling such cases. They would also require ample supplies of Iodine which will also have to be safely discarded and replaced once that iodine's shelf life has been reached. The costs of this would have to be calculated and accordingly budgeted for by Eskom.
- d) Each affected city should also have signage notifying visitors that they are within X kilometres of a nuclear reactor and should include contact numbers of where to get further information and what to do in case of an emergency.
- e) Each city would need to have audible public warning systems installed, monitored and regularly tested.

4 – Insurances and Liability

- a) The figures quoted in Gazette 26327 of May 2004 for financial security in the case of a nuclear accident are as follows: a) Category 1: R2.4 Billion b) Category 2: R120 Million and c) Category 3: R1 Million.
- b) Such figures are not adequate and need to be revised and a comprehensive study carried out in this regard.

5 – Transportation Issues

- a) It is claimed by NECSA and PBMR that affected communities along the routes where nuclear fuel is to be transported, have all been consulted with, yet they fail to mention any details regarding this and are not forthcoming with information. Whether or not the entire communities have been made fully aware of the implications, been given all the correct unbiased information and whether results of those meetings included the community as a whole is also questionable.
- b) How can the public rest assured of the safe transportation of nuclear fuel when highly guarded cash-in-transit vehicles cannot escape the clutches of criminal gangs who would no doubt love to get their hands on some uranium?

6 – Radioactive Waste Storage

- a) The background information document fails to disclose the truth and facts about spent nuclear fuel, its continued radioactivity for thousands of years and the fact that to date no country has a viable solution for safely disposing of it. Again I put it to you that if you intend to carry out a fair and unbiased public participation process then such information absolutely must be disclosed openly, honestly and unbiased. In other words we need the public to know from an independent third party NOT from NECSA, PBMR or ESKOM regarding this issue as clearly the information from these parties is already biased and one-sided.

7 – Emissions

- a) It is no secret that nuclear plants produce emissions into the surrounding environments. A full independent study in this regard will need to be carried out to calculate what effect this will have on surrounding communities, health issues and risk, water quality, fauna, flora and agriculture.

8 – Alternative Energy Sources

- a) The background information document does not dedicate much or any information towards alternative energy sources.
- b) Eskom in fact has only allocated R4.5 Million towards renewable energy yet they have allocated R6 Billion towards nuclear energy. This entails that less than 1% of Eskom's "vision" is dedicated to alternative energy solutions and clearly shows the hard-line approach and thinking of Eskom. This alone irrefutably proves that alternatives are NOT being adequately addressed by Eskom NOR by this EIA process.
- c) Safe and truly renewable alternatives do in fact exist and need to be sufficiently addressed by this EIA process.
- d) It is quoted in an official ANC document dating back to the year 2000 that "Koeberg produces 4% of South Africa's electricity and is more expensive to operate than any other power station".

- e) It is also quoted in official ANC documentation dating back to 2000 that the government would encourage sustainable and renewable forms of energy. Yet the reality is far from that.

9 – The Global Warming / Climate Change claims of Nuclear Energy

- a) Nuclear energy is being passed off by Eskom and the government as the great green-hope for combating climate change when in reality this is not the case. I refer you to the following articles relating to this.
- b) http://www.environment.co.za/topic.asp?TOPIC_ID=1148
- c) http://www.environment.co.za/topic.asp?TOPIC_ID=1147
- d) http://www.environment.co.za/topic.asp?TOPIC_ID=1145
- e) http://www.environment.co.za/topic.asp?TOPIC_ID=1142
- f) http://www.environment.co.za/topic.asp?TOPIC_ID=1141
- g) http://www.environment.co.za/topic.asp?TOPIC_ID=1139

10 - Advertisements placed by applicant

- a) The issue of nuclear energy affects the nation as a whole yet the applicant has only placed advertisements in newspapers across the Cape. I feel that the advertisements should have been placed in every major newspaper across South Africa. While the planned nuclear stations are to be sited in the Cape, the applicant together with the Department of Minerals and Energy seek to revitalise toxic Uranium mining all across South Africa in order to fuel these plants, hence, the applicants nuclear plans DO indeed affect all citizens across South Africa. Even neighbouring countries should be party to such discussions.

11 – Secrecy and Misinformation from the Nuclear Industry

- a) Never before in my life have I encountered an industry so shrouded in secrecy and misinformation as the nuclear industry.
- b) They want the public to believe that you are conducting an unbiased process yet Eskom, NECSA, PBMR, NNR and affiliates who back this EIA process cannot seem to ever answer a straight question and whenever serious questions are posed to them they get very defensive and aggressive.
- c) These organisations also have a history of “greenwashing” their EIA and public participation processes. How can the public be guaranteed that THIS current EIA process will be any different?
- d) If the very industry you are conducting this survey for cannot be transparent then how can they ever be trusted?

12 – Life cycle of the stations

- a) The life expectancy of a nuclear power station needs to be addressed and disclosed by this EIA process. This should include cleanup costs, rehabilitation costs, public guarantees that Eskom will be held accountable to such cleanup and rehabilitation costs.

13 – Laymans Terms

- a) It is easy to produce documents with massive amounts of information, big meaningless words and lots of highly detailed schematic drawings yet these serve little to no purpose to the common man.
- b) This process needs to take into account that you are dealing with ordinary citizens who need information to be provided in simple language so that they can grasp and understand the issues at stake.
- c) Similarly you cannot expect the public to read through thousands of pages of reports which the consultants have months to produce and then expect the public to grasp this information and pass comment in a 30-60 day period.

14 – Stakeholders

I suggest, as per another submission, that the following stakeholders are included in the process.

1. **All citizens of this country** – notification by means of repeated national advertising using all television stations, all radio stations, national and all community newspapers and information packages handed personally to all inhabitants (landowners, labourers etc) within a 100km radius of each proposed nuclear power station. Such advertising should not be biased in favour of nuclear energy and should be run for a period of 6 months to ensure.
2. **Transnational interests** – where countries like Namibia, for example, may be affected by the strong Benguela current carrying radioactive contamination from the SA shore north to Namibia and eventually Angola, environmentalists and possibly the governments of these countries should register as I&APs.
3. **Environmental groups** like Earthlife Africa, groundWork, Green Connections, Biophile, Energy Caucus, CANE and others suggested by these groups.
4. COSATU and NUM – Derek Elbrecht delbrecht@num.org.za
5. Dr David Fig - davidfig@iafrica.com
6. Sustainable Energy Africa Leila Mohamed - leila@sustainable.org.za
7. In light of the perplexing lack of independence of expert knowledge that has not already been co-opted by the nuclear industry in SA, below is a list of organisations who should be contacted to provide suggestions for experts to be involved in the process. (Where email addresses are not provided, the listed websites below contain active links):
 1. “An Inconvenient Truth” campaign leader, former vice-president of the US, Al Gore (particularly on the prognosis for fading coastlines in the face of climate change effects globally). Al Gore’s spokesperson, Kalee Kreider at Kalee@carthagegroup.com or via 2100 West End Avenue Suite 620 Nashville, TN 37203 USA
 2. Massachusetts Institute for Resource and Security Studies – Gordon Thompson info@irss-usa.org
 3. [WISE Uranium Project](#) via wisemster@antenna.nl
 4. [WISE](#) (World Information Service on Energy) wisemster@antenna.nl
 5. Low-level Radiation Campaign www.llrc.org
 6. [Institute for Energy and Environmental Research](http://www.ieer.org/) <http://www.ieer.org/> Arjun Makhijani, Ph.D. ieer@ieer.org
 7. [Nuclear Information and Resource Service \(NIRS\)](#) Michael Mariotte nirsnet@nirs.org
 8. [Nuclear Policy Research Institute \(NPRI\)](#) info@nuclearpolicy.org
Led by Dr. Helen Caldicott, educates the American public through the mass media about the medical, environmental, political and moral consequences of nuclear weapons, power and waste.

9. Physicians for Social Responsibility (PSR)
National organization working for nuclear disarmament, environmental protection and violence prevention. Also see PSR-Madison.
10. Union of Concerned Scientists
National organization with educational and advocacy programs on energy, agriculture, arms control and more.
11. Center for Health, Environment and Justice (CHEJ)
Helps people and organizations organize and unify to hold industry and government accountable and work toward a healthy, environmentally sustainable future.
12. ECODEFENSE!
Anti-nuclear campaign of the Socio-Ecological Union, Russia.
13. Radiation Effects Research Foundation
14. The Oxford Research Group www.oxfordresearchgroup.org.uk
15. Jan Willem Storm van Leeuwen storm@ceedata.nl
16. European Committee on Radiation Risk (ECRR) – Chris Busby or Rosalie Bertell www.euradcom.org
17. ILEX Energy Consulting.
18. Stephan Thomas stephen.thomas@gre.ac.uk

19. Jim Green

Jim Green is the director of the Beyond Nuclear Initiative in Australia. Email: jim.green@foe.org.au.

Beyond Nuclear Initiative, a project supported and led by Friends of the Earth, Australia, supports and strengthens existing campaigns for a nuclear-free Australia. The Beyond Nuclear Initiative is campaigning against: the expansion of the uranium mining industry in Australia; against the imposition of a nuclear waste dump on the Northern Territory; in support of a clean energy future; and against proposals to use nuclear power as a climate-change abatement strategy. www.foe.org.au.

20. Mike McCally, MD.

Mike McCally is executive director of Physicians for Social Responsibility. Dr. McCally is a public health physician and most recently was Professor and Vice Chairman of the Department of Community and Preventive Medicine at the Mount Sinai School of Medicine in New York, where he was Co-Director of the Center for Children's Health and the Environment. He holds a B.A. in English Literature from Princeton University, an M.D. from Western Reserve University, and a Ph.D. in Physiology from Ohio State University. He has held positions in academic medicine and hospital administration as well as the foundation community. Dr. McCally is active in public health advocacy organizations and medical organizations concerned with militarism and nuclear war. He has served on the board of directors of Physicians for Social Responsibility (PSR) for many years and as its President in 2004. Dr. McCally was Treasurer of International Physicians for the Prevention of Nuclear War when it won the 1985 Nobel Peace Prize. Dr. McCally's most recent book is Life Support: The Environment and Human Health, published by MIT Press in 2002. Tel: 202.667.4260 / Email: mmcally@psr.org.

Physicians for Social Responsibility Security Program

21. Karl Grossman

Karl Grossman serves on the board of Beyond Nuclear at NPRI. Karl Grossman is a full professor of journalism at the State University of New York at Old Westbury and coordinator of the Media & Communications Major at the college. For 40 years he has pioneered the combination of investigative reporting and environmental

journalism in a variety of media. He is the host of the nationally syndicated television program "Enviro Close-Up" and writer and narrator of award-winning TV documentaries including "Three Mile Island Revisited", "Nukes in Space: The Nuclearization and Weaponization of the Heavens" and "The Push to Revive Nuclear Power." He is the author of six books including "Cover Up: What you are not supposed to know about nuclear power," "Power Crazy" and "The Wrong Stuff: The Space Programs' Nuclear Threat to our Planet." Grossman has received numerous awards for investigative reporting including the George Polk, James Aronson and John Peter Zenger Awards. His TV documentaries have received Gold and Silver Awards at the WorldFest-Houston International Film Festival and other honors. His journalism has been repeatedly cited by Project Censored, the media initiative at Sonoma State University, as involving the most "under-reported" issues. Email: kgrossman@hamptons.com.

22. Dr. Joseph Gerson

Dr. Joseph Gerson has served the American Friends Service committee since 1976 and is currently Director of Programs and Director of the Peace and Economic Security Program for the AFSC in New England. His program work focuses on challenging and overcoming U.S. global hegemony: its preparations for and threats to initiate nuclear war, and its military domination of the Asia-Pacific and the Middle East. He has been involved in the U.S. justice and peace movements since the mid-1960s. His work with AFSC has included helping to launch the nuclear freeze movement of the 1980s, preventing New England harbors from being transformed into nuclear weapons bases, helping to build the U.S. and global anti-bases and nuclear weapons abolition movements, and helping to create peace and anti-war coalitions in the Boston area and across New England. His books include *The Sun Never Sets*, *With Hiroshima Eyes* and, most recently, *Empire and the Bomb*. Tel: 617-661-6130 / Email: jgerson@afsc.org.

The New England Peace and Economic Security Program is a program of AFSC.

<http://afsc.org/newengland/nepeace.htm>

23. Bruce Gagnon

Bruce Gagnon is coordinator of the Global Network Against Weapons & Nuclear Power in Space. He was a co-founder of the Global Network when it was created in 1992. From 1983–1998 Bruce was the State Coordinator of the Florida Coalition for Peace & Justice and has worked on space issues for more than 20 years. In 1987 he organized the largest peace protest in Florida history when over 5,000 people marched on Cape Canaveral in opposition to the first flight test of the Trident II nuclear missile. He was the organizer of the Cancel Cassini Campaign (launched 72 pounds of plutonium into space in 1997) that drew enormous support and media coverage around the world and was featured on the TV program 60 Minutes. In 2006 he was the recipient of the Dr. Benjamin Spock Peacemaker Award. He frequently travels and offers reflections on organizing and the state of America's declining empire. Visit Bruce's blog at: <http://space4peace.blogspot.com>. Tel: 207.443.9502 / Email: globalnet@mindspring.com.

Global Network Against Weapons and Nuclear Power in Space opposes U.S. space domination, the use of nuclear- powered space probes and the deployment of weapons in space. www.space4peace.org.

24. John Burroughs

John Burroughs is a specialist on treaty regimes and international law relating to nuclear and other non-conventional weapons. He represents LCNP in Nuclear Nonproliferation Treaty (NPT) review proceedings, the United Nations, and other international forums. In 1998, Dr. Burroughs represented LCNP at the negotiations on the International Criminal Court in Rome, and in 1995, he was the nongovernmental legal coordinator at the hearings on nuclear weapons before the International Court of Justice. Dr. Burroughs is co-editor of *Rule of Power or Rule of Law? An Assessment of U.S. Policies and Actions Regarding Security-Related Treaties*, Apex Press, 2003, to which he contributed the chapter on the NPT, and author of *The Legality of Threat or Use of Nuclear Weapons: A Guide to the Historic Opinion of the International Court of Justice*, Transaction Publishers, 1998. He has published articles in the *Bulletin of the Atomic Scientists* and the *World Policy Journal*, most recently co-authoring "Arms Control Abandoned: The Case of Biological Weapons" (*World Policy Journal*, summer 2003). He is an adjunct professor of international law at Rutgers Law School, Newark, where he teaches a seminar on legal controls on weapons of mass and indiscriminate destruction. He has a J.D. and Ph.D. from the University of California at Berkeley and a B.A. from Harvard. Tel: 212.818.1861 / Email: johnburroughs@lcnp.org.

The Lawyers' Committee on Nuclear Policy, Inc. was founded in 1981. It is a national nonprofit educational association that uses national and international law to promote peace and disarmament. www.lcnp.org.

25. Jim Riccio

Jim Riccio is the Nuclear Policy Analyst for Greenpeace, USA, has two decades of experience on nuclear energy policy and is considered one of the nation's most prominent anti-nuclear activists. His advocacy experience has put his name in the country's major newspapers including the New York Times, Washington Post, Wall Street Journal, Los Angeles Times, Boston Globe, as well as ABC News, the Discovery Channel and CNN among others. From the conference rooms of the Nuclear Regulatory Commission to the halls of Congress, Riccio has long been the voice of safe, renewable energies opposing industry and government officials' assertions that nuclear energy poses no safety hazard. He has worked for Nuclear Information Resource Service as well as the Critical Mass Energy Project at Public Citizen, one of the leading citizen activist groups founded by Ralph Nader. Riccio has a Bachelor's degree in International Relations and Political Science from Colgate University and a J.D. from Syracuse University. Tel: Greenpeace Media Department 202-462-1177 / Email: jim.riccio@wdc.greenpeace.org.

Greenpeace has grown in 30 years from a small group of dedicated activists to an international organization with offices in more than 30 countries. The threat of global warming, destruction of ancient forests, deterioration of our oceans, and the threat of a nuclear disaster loom large. Greenpeace is actively working to address these and other threats. www.greenpeaceusa.org.

26. Kay Drey

Kay Drey serves on the board of directors of Beyond Nuclear at NPRI. She has worked for 30 years as an advocate for the protection of the general public, workers and the environment from the hazards of nuclear power and radioactive waste. In 1996 she chaired a statewide campaign in Missouri, her home state, that prevented electric utilities from charging ratepayers for construction costs of power plants prior to their completion and that led to the cancellation of a nuclear reactor then under construction. She also led the successful campaign against the construction of a permanent disposal bunker at the St. Louis Airport for uranium and thorium wastes generated during the production of atomic weapons in the 1940s and '50s. Through litigation, she helped achieve stricter monitoring controls over releases of radioactive waste into the Missouri River from the Callaway nuclear plant as part of its routine operation. Mrs. Drey conducts research and has collected materials on a broad range of environmental issues, maintaining a library that is used by the media, government officials and members of the public. Tel: 314.725.7676.

27. Michael Mariotte

Michael Mariotte, Executive Director, is the chief spokesperson for NIRS. He has led the organization for 22 years making many television appearances and has been widely quoted in the press. He has testified before the United States Senate and the U.S. House of Representatives on radioactive waste transportation; radioactive metals "recycling;" the future of the nuclear power industry; "one-step" reactor licensing; and other issues.

Nuclear Information and Resource Service is the information and networking center for citizens and environmental organizations concerned about nuclear power, radioactive waste, radiation, and sustainable energy issues. www.nirs.org.

28. David Lochbaum

David Lochbaum is the Director of the Nuclear Safety Project for the Union of Concerned Scientists. Mr. Lochbaum leads UCS's efforts to ensure the safety of nuclear power in the United States by monitoring licensed commercial nuclear plants to identify and publicize safety risks. He has more than seventeen years of experience in commercial nuclear power plant start-up testing, operations, licensing, software development, training, and design engineering. Mr. Lochbaum received a Bachelor of Science in Nuclear Engineering from the University of Tennessee in 1979. He has been a member of the American Nuclear Society since 1978. Mr. Lochbaum has written numerous articles on various aspects of nuclear safety and published books entitled Nuclear Waste Disposal Crisis and Fission Stories. Tel: (202) 223-6133 / Email: dlochbaum@uscusa.org.

The Union of Concerned Scientists Security Program works to bring about a safer world by eliminating the risks posed by nuclear arsenals and nuclear terrorism, improving nuclear power plant safety, preventing the deployment of anti-satellite and space-based weapons, and enhancing international dialogue on security issues. www.ucsusa.org/global_security.

29. Dr. Judith Johnsrud

Judith Johnsrud, Ph.D., serves on the board of directors of Beyond Nuclear at NPRI. Her special areas of focus and expertise are: geography of nuclear energy; its entire system of production, utilization, and waste isolation; radiation impacts on humans and environment; and problems of sequestration of "high-level," "low-level," and recycled radioactive wastes. Tel: 814.237.3900 / E-mail:johnsrud@uplink.net.

30. Karl Grossman

Karl Grossman serves on the board of Beyond Nuclear at NPRI. Karl Grossman is a full professor of journalism at the State University of New York at Old Westbury and coordinator of the Media & Communications Major at the college. For 40 years he has pioneered the combination of investigative reporting and environmental journalism in a variety of media. He is the host of the nationally syndicated television program "Enviro Close-Up" and writer and narrator of award-winning TV documentaries including "Three Mile Island Revisited", "Nukes in Space: The Nuclearization and Weaponization of the Heavens" and "The Push to Revive Nuclear Power." He is the author of six books including "Cover Up: What you are not supposed to know about nuclear power," "Power Crazy" and "The Wrong Stuff: The Space Programs' Nuclear Threat to our Planet." Grossman has received numerous awards for investigative reporting including the George Polk, James Aronson and John Peter Zenger Awards. His TV documentaries have received Gold and Silver Awards at the WorldFest-Houston International Film Festival and other honors. His journalism has been repeatedly cited by Project Censored, the media initiative at Sonoma State University, as involving the most "under-reported" issues. Email: kgrossman@hamptons.com.

31. Michele Boyd

Michele Boyd is legislative director of Public Citizen's Energy Program. She joined Public Citizen in July 2003 as the Legislative Director. Previously, she was the Global Outreach Coordinator and Staff Scientist at the Institute for Energy and Environmental Research. She has two bachelor's degrees in biology and agriculture from Purdue University and a master's degree in environmental policy from the University of Michigan. Tel: 202.546.4996 / Email: mboyd@citizen.org.

Public Citizen Critical Mass Energy Program safeguards consumers from the impacts of electricity deregulation, educates the public on the dangers of nuclear power while encouraging responsible nuclear waste management, and fights against environmental degradation by promoting clean energy alternatives. www.citizen.org/cmep.

32. Diane D'Arrigo

Diane D'Arrigo is the Radioactive Waste Project Director at Nuclear Information and Resource Service. Her main area of expertise is radioactive waste and radiation issues. She has considerable international experience. She has closely followed so-called "low-level" nuclear waste issues for decades, the national and international moves to deregulate nuclear waste that would allow it to be made into everyday household items and be dumped as regular trash. She has been with NIRS since 1986. Tel: 301.270.6477 / Email: dianed@nirs.org.

Nuclear Information and Resource Service is the information and networking center for citizens and environmental organizations concerned about nuclear power, radioactive waste, radiation, and sustainable energy issues. www.nirs.org

33. Helen Caldicott

Dr Helen Caldicott is the founding president of Nuclear Policy Research Institute. She has devoted the last 35 years to an international campaign to educate the public about the medical hazards of the nuclear age and the necessary changes in human behavior to stop environmental destruction. Born in Melbourne, Australia, Dr Caldicott trained and practiced as a pediatrician, specializing in cystic fibrosis, before concentrating full time on the prevention of nuclear war. She co-founded Physicians for Social Responsibility. Its international umbrella group (International Physicians for the Prevention of Nuclear War) won the Nobel Peace Prize in 1985. Dr Caldicott has received many prizes and awards for her work and was personally nominated for the Nobel Peace Prize by Linus Pauling - himself a Nobel Laureate. She has authored numerous books and articles and is the subject of several documentary films. Dr Caldicott currently divides her time between Australia and the US where she lectures widely. Email: info@helencaldicott.com.

The Nuclear Policy Research Institute was established by Dr. Helen Caldicott to educate the American public through the mass media about the greatest single threat to our country's – and indeed the world's – public health, namely the profound medical, environmental, political and moral consequences of perpetuating nuclear weapons, power and waste. www.nuclearpolicy.org.

34. Donald Aitken, Ph.D.

Dr. Donald Aitken, Principal of Donald Aitken Associates, is a LEED™ Accredited Professional, Affiliate Faculty Member at the Frank Lloyd Wright School of Architecture, and Senior Consulting Scientist for the Energy Department of the Union of Concerned Scientists. Previously he has been a staff research physicist and astrophysicist at Stanford University and founder and Chairman of the Department of Environmental Studies at San Jose State University. He received his Ph.D. in Experimental Nuclear Physics from Stanford University. Dr. Aitken has twice served as national Chairman of the American Solar Energy Society. Dr. Aitken's work has a multiple emphasis on the use of renewable energy in the electric utility sector, on renewable energy marketing frameworks, and in architecture. Dr. Aitken is a sought-after architectural and sustainable energy policy consultant, renewable energy policy and architectural daylighting lecturer, and professional architectural and engineering workshop leader. Tel: 510.649.9571 / Email: donaldaitken@earthlink.net or info@donaldaitkenassociates.com.

Donald Aitken Associates is a multi-faced consulting firm experienced in climate-sensitive sustainable development and building design worldwide. www.donaldaitkenassociates.com.

35. Lori Goodman

Lori Goodman, is a member of the Board of Directors of DINE Care. Tel: 970.759.1908 (cell) / Email: kiyaani@frontier.net.

DINE Citizens Against Ruining our Environment Diné is an organization by and for the Diné, the People. Its work is mostly sponsored by volunteers and foundation grants and members are not only those who are leaders in their communities, but all those Diné who strive to maintain a relationship with Mother Earth based on balance and harmony. For DINE Care, membership means taking up the cause of honoring our Earth, and honoring the perspective toward Mother Earth that has been handed down to us from our ancestors. We are local, community people working together on issues that affect our communities. www.dinecare.org

36. Kevin Kamps

Kevin Kamps covers all aspects of the nuclear fuel chain with particular expertise on government and industry efforts to dump nuclear waste at Yucca Mountain, Nevada, as well as on the risks of radioactive waste generation and storage at reactor sites, and transportation through communities across the country. Prior to joining Beyond Nuclear he was for eight years the Radioactive Waste Specialist at Nuclear Information and Resource Service. He has traveled widely across the U.S. and overseas, speaking at many community and governmental forums and on television, radio and at press conferences and has testified before numerous federal, state, and local government agencies. Tel: 301.270.2209 / Email: kevin@beyondnuclear.org.

37. Arjun Makhijani

Dr. Arjun Makhijani is the president of the Institute for Energy and Environmental Research. He holds a Ph.D. in engineering (specialization: nuclear fusion) from the University of California at Berkeley. He has produced many studies and articles on nuclear fuel cycle related issues, including weapons production, testing, and nuclear waste, over the past fifteen years. He is the principal author of the first study ever done (completed in 1971) on energy conservation potential in the U.S. economy. He is the principal editor of Nuclear Wastelands and the principal author of Mending the Ozone Hole, both published by MIT Press. Tel: 301.270.5500 / Email: arjun@ieer.org.

The Institute for Energy and Environmental Research was established to provide people with literature which has a quality equal to that in scientific journals, but which doesn't require you to go back to college to get a degree in science to understand it. www.ieer.org.

38. Tom Goldtooth

Tom Goldtooth (Dine'/Dakota) is the Executive Director of the Indigenous Environmental Network. He oversees the work of IEN and assists IEN staff organizers, affiliates, sister organizations and indigenous communities in organizing, training and policy work around environmental protection, energy, climate, toxics & environmental health, water, globalization, and building sustainable communities. Tel: 218.751.4967 / Email: ien@igc.org.Indigenous

Environmental Network is a network of Indigenous Peoples empowering Indigenous Nations and communities towards sustainable livelihoods, working towards environmental justice and maintaining the sacred fire of our traditions. www.ienearth.org.

39. Diane Curran

Diane Curran is a partner in the law firm of Harmon, Curran, Spielberg and Eisenberg, L.L.P. A nationally recognized expert in the field of nuclear safety law, Diane has spent over twenty years representing citizen groups, state and local governments, and individuals in a wide range of licensing and enforcement cases relating to nuclear facilities. Diane has litigated the requirements of the Atomic Energy Act, the National Environmental Policy Act, the Safe Drinking Water Act, the National Historic Preservation Act, and other environmental protection laws in a broad array of administrative proceedings before the U.S. Nuclear Regulatory Commission. She has appealed numerous NRC licensing and rulemaking decisions to the U.S. Courts of Appeals, and she has brought Clean Water Act and Freedom of Information Act enforcement cases in federal district court. Tel: 202.328.3500 / Email: dcurran@harmoncurran.com.

Harmon, Curran, Spielberg & Eisenberg, L.L.P specializes in providing legal advice to nonprofit organizations and individuals in the areas of: Nonprofit Organization Tax law; Election law; Employment law; Environmental law.

<http://www.harmoncurran.com>.

40. Julia Huff

Professor Julia Huff specializes in environmental law and environmental litigation. She also has expertise in land use and real estate law. Professor Huff received a B.A. in English and philosophy from Michigan State University, with high honors, her J.D. from the University of Iowa College of Law, with distinction, and her LL.M. in Environmental Law, summa cum laude, from Vermont Law School. In 2003, she joined the Vermont Law School faculty as an assistant professor of law and the first assistant director of the Environmental and Natural Resources Law Clinic. Tel: 973.353.5695 / Email: jhuff@kinoy.rutgers.edu.

Rutgers Environmental Law Clinic serves two vital and interdependent functions: providing an opportunity for law students to practice environmental advocacy and serving New Jersey's environmental community through trial and appellate litigation, administrative advocacy and policy development.

http://law.newark.rutgers.edu/clinics_environment.html.

41. Linda Gunter

Linda Gunter is the media and development specialist for Beyond Nuclear. Prior to creating Beyond Nuclear she worked as a journalist, in public relations and led the media and development efforts at three national environmental nonprofit organizations. She is the co-author, with Paul Gunter, of *Licensed to Kill*, a landmark report on the impact to marine animals from the routine operation of coastal nuclear reactors.

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42. Cindy Folkers

Cindy Folkers specializes in radiation impacts on health and manages the administrative operations of Beyond Nuclear. Prior to joining Beyond Nuclear, she specialized in radiation impacts on health at Nuclear Information and Resource Service where she held a number of responsibilities during her 12-year tenure. She

communicates with members of the public, U.S. Congress, the press, and national and international agencies on radiation and health regulation and science, climate change, U.S. energy legislation and activities on Capitol Hill. She has traveled and spoken at public meetings, conferences and academic symposia.

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43. Kevin Kamps

Kevin Kamps covers all aspects of the nuclear fuel chain with particular expertise on government and industry efforts to dump nuclear waste at Yucca Mountain, Nevada, as well as on the risks of radioactive waste generation and storage at reactor sites, and transportation through communities across the country. Prior to joining Beyond Nuclear he was for eight years the Radioactive Waste Specialist at Nuclear Information and Resource Service. He has traveled widely across the U.S. and overseas, speaking at many community and governmental forums and on television, radio and at press conferences and has testified before numerous federal, state, and local government agencies. Tel: 301.270.2209 / Email: kevin@beyondnuclear.org.

44. Paul Gunter

Paul Gunter covers all aspects of the nuclear fuel chain with a special focus on reactor operations. He previously served for 16 years as the Director of the Reactor Watchdog Project for Nuclear Information and Resource Service. He is a lead spokesperson on nuclear reactor hazards and security issues and acts as the regulatory watchdog over the U.S. Nuclear Regulatory Commission and the nuclear power industry. He has made national and regional television and radio appearances and is frequently quoted in the press. He was a cofounder of the antinuclear [Clamshell Alliance](#) in 1976 to oppose the construction of the Seabrook (NH) nuclear power plant through non-violent direct action. An activist and energy policy analyst, he has been an ardent critic of atomic power development for more than 30 years. Tel: 301.270.2209 / Email:

paul@beyondnuclear.org

Beyond Nuclear aims to educate and activate the public about the connections between nuclear power and nuclear weapons and the need to abandon both to safeguard our future. **Beyond Nuclear** advocates for an energy future that is sustainable, benign and democratic. **The Beyond Nuclear team** works with diverse partners and allies to provide the public, government officials, and the media with the critical information necessary to move humanity toward a world beyond nuclear. www.beyondnuclear.org.

Yours Sincerely

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