# Round 4 vs. Puget Sound BQ (Aff)

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### Inherency

#### Observation One: Inherency

#### Obama pushing nuclear incentives now.

Pistilli 12 (Melissa, reporting on market-shaking news in the resource and mining investment sector with Resource Investing News since 2008, 10-11-12, “Nuclear Power Prominent in US Presidential Candidates’ Energy Policies” 10/11 <http://uraniuminvestingnews.com/12783/nuclear-power-united-states-energy-policies-romney-obama-election.html>)

The Obama administration’s energy policy supports the expansion of nuclear energy. Under Obama, the government’s 2012 budget allocated $36 billion in loan guarantees for new nuclear reactors and more than $800 million in loan guarantees for nuclear research, an IBISWorld report states. The research report also highlights Obama’s Clean Electricity Standard and its push for more electricity to be produced from zero-carbon sources. “These climate-change policies will lead to a boost in nuclear-energy production,” said IBISWorld. New nuclear reactors approved This year, the US approved construction of reactors for the first time in nearly 30 years; they are expected to come online by 2017. The Southern Company (NYSE:SO) won approval from the US Nuclear Regulatory Commission (NRC) to construct two new reactors at its Vogtle power plant near Waynesboro, Georgia. Currently, another 16 plants across the country have applied to the NRC to build 25 more reactors. Last month, the NRC issued a license that allows General Electric-Hitachi Global Laser Enrichment (GLE) to build and operate the first uranium enrichment plant with classified laser technology, a more cost-effective process than employing centrifuges. The plant “could provide a steady supply of uranium enriched right here in the US to the country’s nuclear reactors,” GLE CEO Chris Monetta said. The US Department of Energy (DOE) “has played a pivotal role in advancing a public-private cost-sharing program that supports the development of smaller reactors,” according to former Environmental Protection Agency administrator and former New Jersey Governor Christine Todd Whitman and Dr. Patrick More, co-founder and former leader of Greenpeace — current co-chairs of the Clean and Safe Energy Coalition. Where will waste go? However, the US nuclear revival has been held up by the fact that the country lacks a long-term plan for dealing with nuclear waste. Currently, most plants keep waste onsite in temporary storage pools, but that is only a short-term solution to a long-term problem. In June 2012, a federal appeals court ruled that the NRC has not provided “reasonable assurance” that it has a long-term waste-management solution — as a result, the NRC will not be approving any new projects for some time. The plan had been to move waste to a repository at Nevada’s Yucca Mountain. The US government has already signed contracts with several utilities, including Southern, for waste disposal at Yucca Mountain. The repository was supposed to open in 1998, but politics and legal issues stalled the project for years. Obama put the project on ice in 2010, appointing the Blue Ribbon Commission on America’s Nuclear Future to develop recommendations for creating a safe, long-term solution to nuclear waste management and storage. The Commission delivered its final report in January of this year, calling for the creation of a federal agency aimed at soliciting and evaluating voluntary proposals from states interested in hosting nuclear disposal areas. The idea is similar to what Romney proposed in October 2011 and would involve states offering disposal sites in exchange for monetary compensation. What next? The freeze on new reactor approvals hasn’t stopped the Obama administration from pushing forward on nuclear energy research and development. In late September, the US Department of Energy announced $13 million in funding for university-led nuclear innovation projects under the Nuclear Energy University Programs (NEUP). “The awards … build upon the Obama Administration’s broader efforts to promote a sustainable nuclear industry in the U.S. and cultivate the next generation of scientists and engineers,” the DOE press release states. The funding was awarded to research groups at the Georgia Institute of Technology, the University of Illinois at Urbana-Champaign and the University of Tennessee.

#### There’s global expansion of nuclear now – Fukushima doesn’t matter.

Marketwire 12 (5/3/12, – Part of the Paragon Report on uranium ore stock future

<http://finance.yahoo.com/news/nuclear-renaissance-back-track-122000381.html>)

NEW YORK, NY--(Marketwire -05/03/12)- Last year the Fukushima disaster in Japan started a downward spiral for companies in the Uranium Industry. Approximately one year later the industry looks to be finally recovering as the Global X Uranium ETF (URA) is up nearly 12 percent year-to-date. "Fukushima put a speed bump on the road to the nuclear renaissance," Ganpat Mani, president of Converdyn, said at a nuclear industry summit. "It's not going to delay the programs around the world." The Paragon Report examines investing opportunities in the Uranium Industry and provides equity research on Cameco Corporation (CCJ - News) and Uranium One, Inc. (UUU.TO - News). Approximately 650 million people in China and India currently are living without electricity. With the high costs of fossil fuel the most viable options for these countries would be nuclear power. Indonesia, Egypt, and Chile are among some of the nations that have plans to build their first nuclear power station, the list of countries operating atomic plants currently stands at 30. According to numbers released by the World Nuclear Association there are 61 reactors that are presently under construction, and plans to build another 162. "In two years, there will be very strong demand on the market, as new reactors start operating, and as new contracts with the existing fleet kick in," Areva SA's Chief Commercial Officer Ruben Lazo said in a previous interview.

#### But, the US is not reversing course on reprocessing.

Saillan 10 (Charles, attorney with the New Mexico Environment Department, Harvard Environmental Law Review, 2010, “DISPOSAL OF SPENT NUCLEAR FUEL IN THE UNITED STATES AND EUROPE: A PERSISTENT ENVIRONMENTAL PROBLEM”, Vol. 34, RSR)

The U.S. government’s position on reprocessing changed in 1974 when India exploded a nuclear weapon in the state of Rajasthan. 150 The weapon’s plutonium was isolated with reprocessing equipment imported for “peaceful purposes.” 151 Rightly concerned about the dangers of nuclear proliferation, President Ford announced that the United States would no longer view reprocessing as a necessary step in the nuclear fuel cycle. He called on other nations to place a three-year moratorium on the export of reprocessing technology. 152 In 1977, President Carter indefinitely deferred domestic efforts at reprocessing and continued the export embargo. 153 Although President Reagan reversed the ban on domestic reprocessing in 1981, 154 the nuclear industry has not taken the opportunity to invest in the technology. In 2006, the George W. Bush Administration proposed a Global Nuclear Energy Partner ship (“GNEP”) for expanded worldwide nuclear power production. 155 As a key component of the GNEP proposal, the United States would provide other nations with a reliable supply of nuclear fuel, and it would take back the spent fuel for reprocessing at a commercial facility in the United States, thus avoiding the spread of reprocessing technology. 156 However, the Obama Administration substantially curtailed GNEP in 2009, and is “no longer pursuing domestic commercial reprocessing.” 157

### Observation 2

#### Observation Two: Waste

#### In the short term US nuclear waste is stored on-site.

Galbraith 11 (Kate, Staff Writer, “A New Urgency to the Problem of Storing Nuclear Waste”, New York Times, 11-27-11, http://www.nytimes.com/2011/11/28/business/energy-environment/a-new-urgency-to-the-problem-of-storing-nuclear-waste.html, RSR)

Other countries are also looking at waste in new ways in the post-Fukushima world. Right now, worldwide, most spent fuel waste is stored on the site of the facility that produced it, in spent-fuel pools and, after it eventually cools, dry casks. Experts say dispersed storage is expensive and that central storage would be more secure. Few countries , apart from Sweden and Finland, have moved forward on centralized disposal sites, deep in the earth, designed to hold the waste permanently. France is evaluating a permanent disposal site for spent fuel , near the remote northeastern village of Bure.

#### On-site storage is dangerous – storage pools are vulnerable to accidents.

Alvarez 12 (Robert, Senior Scholar at IPS, where he is currently focused on nuclear disarmament, environmental, and energy policies, “Improving Spent-Fuel Storage at Nuclear Reactors”, Winter, ISSUES IN SCIENCE AND TECHNOLOGY, RSR)

Until the NAS completes its study, if it agrees to do so, the bulk of current attention is focused on the NRC’s analysis of the Fukushima disaster. As in Japan, U.S. spent-fuel pools are not required to have defense-in-depth nuclear safety features. They are not covered by the types of heavy containment structures that cover reactor vessels. Reactor operators are not required have backup power supplies to circulate water in the pools and keep them cool in the event of onsite power failures. Reactor control rooms rarely have instrumentation keeping track of the pools’ water levels and chemistry. (In one incident at a U.S. reactor, water levels dropped to a potentially dangerous level after operators simply failed to look into the pool area.) Some reactors may not have the necessary capabilities to restore water to pools when needed. Quite simply, spent-fuel pools at nuclear reactors are not required to have the same level of nuclear safety protection as required for reactors, because the assumption was that they would be used only for short-term storage before the rods were removed for reprocessing or permanent storage. In its interim report, the NRC task force recognized these shortcomings and recommended that the NRC order reactor operators to: • “. . . provide sufficient safety-related instrumentation, able to withstand design-basis natural phenomena, to monitor key spent fuel pool parameters (i.e., water level, temperature, and area radiation levels) from the control room.” • “. . . revise their technical specifications to address requirements to have one train of onsite emergency electrical power operable for spent fuel pool makeup and spent fuel pool instrumentation when there is irradiated fuel in the spent fuel pool, regardless of the operational mode of the reactor.” • “. . . have an installed seismically qualified means to spray water into the spent fuel pools, including an easily accessible connection to supply the water (e.g., using a portable pump or pumper truck) at grade outside the building.” Improving pool safety is certainly important. For decades, nuclear safety research has consistently pointed out that severe accidents could occur at spent-fuel pools that would result in catastrophic consequences. A severe pool fire could render about 188 square miles around the nuclear reactor uninhabitable, cause as many as 28,000 cancer fatalities, and cause $59 billion in damage, according to a 1997 report for the NRC by Brookhaven National Laboratory. If the fuel were exposed to air and steam, the zirconium cladding around the fuel would react exothermically, catching fire at about 800 degrees Celsius. Particularly worrisome are the large amounts of cesium-137 in spent-fuel pools, because nearly all of this dangerous isotope would be released into the environment in a fire, according to the NRC. Although it is too early to know the full extent of long-term land contamination from the accident at the Dai-Ichi station, fragmentary evidence has been reported of high cesium-137 levels as far away as metropolitan Tokyo. The NRC also has reported that spent-fuel fragments were found a mile away from the reactor site. The damage from a large release of fission products, particularly cesium-137, was demonstrated at Chernobyl. More than 100,000 residents from 187 settlements were permanently evacuated because of contamination by cesium-137. The total area of this radiation-control zone is huge: more than 6,000 square miles, equal to roughly two-thirds the area of New Jersey. During the following decade, the population of this area declined by almost half because of migration to areas of lower contamination.

#### The densely packed fuel is enough to trigger a full scaled meltdown – Fukushima proves.

Kinitisch 11 (Eli, Reporter at Science Magazine, “Waste Panel Expected To Back Interim Storage”, Science Magazine, Vol. 333, 7-8-11, RSR)

In any case, experts agree, some new plan for waste storage is essential. Waste currently stored in pools and casks at U.S. sites does not pose “unmanageable … safety or security risks,” says a subcommittee report. But every ton that stays at reactor sites makes those risks slightly greater. Fuel in U.S. spent fuel pools is packed four times as densely as it was 25 years ago, raising concerns about the risk of explosions or meltdown if the pools were to empty in an accident. The tsunami that devastated the Fukushima nuclear plant in Japan in March may have resulted in a loss of water in one of its ponds (Science, 1 April, p. 24). A draft commission report says the issue of the safety of keeping fuel densely packed in pools should be “reexamined,” although “it is still too early to draw deﬁ nitive conclusions” from the Fukushima accident. It calls for an expert panel at the National Academies to tackle the subject.

#### These catastrophic meltdowns cause extinction – reactors contain 100x the radiation of nuclear bombs.

Lendman 11 (Stephen, Research Associate of the Centre for Research on Globalization,

03/ 13, “Nuclear Meltdown in Japan,”, The People’s Voice <http://www.thepeoplesvoice.org/TPV3/Voices.php/2011/03/13/nuclear-meltdown-in-japan>, accessed 8-2-12, RSR)

Reuters said the 1995 Kobe quake caused $100 billion in damage, up to then the most costly ever natural disaster. This time, from quake and tsunami damage alone, that figure will be dwarfed. Moreover, **under a worst case** core **meltdown, all bets are off as the entire region and beyond will be threatened with permanent contamination**, making the most affected areas unsafe to live in. On March 12, Stratfor Global Intelligence issued a "Red Alert: Nuclear Meltdown at Quake-Damaged Japanese Plant," saying: Fukushima Daiichi "nuclear power plant in Okuma, Japan, appears to have caused a reactor meltdown." Stratfor downplayed its seriousness, adding that such an event "does not necessarily mean a nuclear disaster," that already may have happened - the ultimate nightmare short of nuclear winter. According to Stratfor, "(A)s long as the reactor core, which is specifically designed to contain high levels of heat, pressure and radiation, remains intact, the melted fuel can be dealt with. If the (core's) breached but the containment facility built around (it) remains intact, the melted fuel can be....entombed within specialized concrete" as at Chernobyl in 1986. In fact, that disaster killed nearly one million people worldwide from nuclear radiation exposure. In their book titled, "Chernobyl: Consequences of the Catastrophe for People and the Environment," Alexey Yablokov, Vassily Nesterenko and Alexey Nesterenko said: "For the past 23 years, it has been clear that there is a danger greater than nuclear weapons concealed within nuclear power. **Emissions from** this **one reactor** exceeded a hundred**-fold the radioactive contamination of** the bombs dropped on **Hiroshima and Nagasaki.**" "**No** citizen of any **country** can be assured that he or she **can be protected from radioactive contamination. One nuclear reactor can pollute half the globe.** Chernobyl fallout covers the entire Northern Hemisphere." Stratfor explained that if Fukushima's floor cracked, "it is highly likely that the melting fuel will burn through (its) containment system and enter the ground. This has never happened before," at least not reported. If now occurring, "containment goes from being merely dangerous, time consuming and expensive to nearly impossible," making the quake, aftershocks, and tsunamis seem mild by comparison. Potentially, millions of lives will be jeopardized. Japanese officials said Fukushima's reactor container wasn't breached. Stratfor and others said it was, making the potential calamity far worse than reported. Japan's Nuclear and Industrial Safety Agency (NISA) said the explosion at Fukushima's Saiichi No. 1 facility could only have been caused by a core meltdown. In fact, 3 or more reactors are affected or at risk. Events are fluid and developing, but remain very serious. The possibility of an extreme catastrophe can't be discounted. Moreover, independent nuclear safety analyst John Large told Al Jazeera that by venting radioactive steam from the inner reactor to the outer dome, a reaction may have occurred, causing the explosion. "When I look at the size of the explosion," he said, "it is my opinion that there could be a very large leak (because) fuel continues to generate heat." Already, Fukushima way exceeds Three Mile Island that experienced a partial core meltdown in Unit 2. Finally it was brought under control, but coverup and denial concealed full details until much later. According to anti-nuclear activist Harvey Wasserman, Japan's quake fallout may cause nuclear disaster, saying: "This is a very serious situation. **If the cooling system fails** (apparently it has at two or more plants), the super-heated **radioactive fuel rods will melt**, and (if so) you could conceivably have an explosion," that, in fact, occurred. As a result, **massive radiation releases may follow**, impacting the entire region. "**It could be**, literally, **an apocalyptic event.**

#### In the long term, waste will be stored at Yucca – only option.

Tollefson 11 (Jeff, former Knight fellow in science journalism at MIT, “Battle of Yucca Mountain rages on”, Nature, Vol. 473, No. 266, 5-19-11, RSR)

The commission intends to issue a draft report in July and a final one next January. With its recommendations in hand, the administration is expected to propose legislation that would establish a new process for identifying nuclear waste storage sites. Yet such a process could well take decades, the GAO report concludes, and the government’s reversal at Yucca Mountain could serve to galvanize public opposition at other candidate sites. Since the debate began, “no states have expressed an interest in hosting a permanent repository for this spent nuclear fuel ... including the states with sites currently storing the waste”, the report adds. The commission’s scheme for an interim storage facility may prove no more appealing, given fears that ‘interim’ means permanent as long as the present impasse continues. Such fears have in the past halted interim storage proposals in states such as Wyoming. And even if one community decides that it is willing to play host to the waste, that doesn’t mean others won’t challenge nuclear-waste transportation routes. Nevertheless, the nation will need to find a permanent repository at some point, and Yucca Mountain, it seems, is down but not out. “Yucca Mountain has nine lives,” says Ed Davis, a nuclear consultant who heads the Pegasus Group in Washington DC. “And nobody knows how many lives have been used up.”

#### Yucca explosion is likely - earthquakes, volcanoes, and ground water

Warrick 98 (Joby, Staff, At Nevada Nuclear Waste Site, The Issue Is One of Liquidity; Studies Citing Risk of Water Seepage Imperil Yucca Mountain Project, The Washington Post, December 15, p. A3)

More recent studies raised different kinds of concerns. A report in March by the California Institute of Technology found new evidence of geological instability in the region, including relatively rapid shifting of the Earth's crust near the mountain. The movement raises the probability of future earthquakes or volcanic eruptions.¶ And last week, a Russian geologist claimed that hot water from deep underground had flooded the mountain at least once in the geologically recent past. Yuri V. Dublyansky, of the Siberian branch of the Russian Academy of Sciences, said flooding could happen again, with potentially calamitous results.¶ "We can be reasonably sure that Yucca Mountain was at some point in the past saturated with water. The crucial question is when," said Dublyansky, who obtained rock samples from inside the mountain while working for Nevada state officials who hope to defeat the project. "Any decision on whether Yucca Mountain should be a repository for nuclear waste should be preceded by a resolution of that question."¶ The evidence of past flooding comes from crystals of calcite and other minerals that were formed when the mountain was already old, said Dublyansky, now a research fellow for the Maryland-based Institute for Energy and Environmental Research. Microscopic bubbles inside the rocks, known as "fluid inclusions," prove that the crystals were formed in the presence of hot water -- which could only have come from underground thermal springs, Dublyansky said.¶ At his request, the findings were reviewed by independent scientists from Austria, Great Britain and Nevada -- all of whom backed his basic conclusions. But U.S. government scientists ridiculed Dublyansky's research as unscholarly. "We are disturbed," said Joe Whelan of the U.S. Geological Survey in a written critique, "by Dr. Dublyansky's shrewd and nonscientific arguments that seem to be crafted for readers unfamiliar with the specific Yucca Mountain geologic relations."¶ Szymanski, the former Energy Department geologist, also had argued that a thermal upwelling had occurred at Yucca Mountain and sees the new evidence as vindication. He thinks a combination of water and the red-hot temperatures of the nuclear waste casks could spark an explosion that could spew lethal doses of radiation into the atmosphere.¶ "This is direct evidence," Szymanski said. "And if anybody doubts the results, they can go back and measure them again. They're very easy to verify."

#### Yucca explosion results in extinction – top geologists agree.

Broad 90 (William, NYT Staff, The New York Times, November 18)

One scientist, however, has quietly but persistently warned that this vision of a safe repository is little more than a delusion.¶ Jerry S. Szymanski (pronounced sha-MAN-ski) is a geologist who works on the Yucca Mountain project for the United States Department of Energy, which is in charge of evaluating the site and would run the repository. For years, he has argued that ground water under the mountain could eventually well up, flood the facility and prompt a calamity of vast proportions. The geological action is easy to visualize. Crustal stresses in the area slowly open fractures and faults under and within the mountain. Water seeps into them. An earthquake occurs, compressing the fractures and forcing the ground water upward into the dump. As the inrushing water comes into contact with the hot canisters of nuclear waste, the water is vaporized, threatening to cause explosions, ruptures and the release of radioactivity.¶ Szymanski has worked for the D.O.E. since 1983. He takes pains to distance himself from foes of nuclear power. "This report is not the act of a disgruntled employee or an antinuclear freak," he wrote in the preface of a study he made on Yucca Mountain. "Rather, it is the act of a deeply concerned scientist, a public servant and a pro-nuclear activist."¶ He chain-smokes Winstons and drinks Scotch, neither of which seems to impair his ability to take brisk hikes up the mountain with his dog Max, a fierce-looking but friendly creature that is half Labrador, half pit bull. Szymanski's eyes flash when he speaks of those who oppose his view of the evidence. "It's banality of thought," he growls, "absence of depth." That same kind of banality, he says, was responsible for the Holocaust, around which his earliest memories revolve, and for a brutal crackdown in his native Poland, which prompted him to flee that country two decades ago with his wife and 6-month-old son. Today, he says, banality is prompting the Federal Government to court disaster.¶ Squinting in the bright Nevada sunlight, a cigarette firmly in his mouth, Szymanski walks into Trench No. 8, a deep scar on the side of Yucca Mountain dug at the behest of the Energy Department. It runs across a fault. He bends down to examine a one-yard-wide vein of rock whose creamy color stands in contrast to the dark, surrounding earth tones. His fingers play over its surface. The vein was deposited, he says, by mineral-laden water that welled up and turned this desolate site into an oasis.¶ "This is above the repository level," he says with studied understatement. The implication is clear and troubling -- where water once flowed, it might flow again.¶ The repository would hold up to 70,000 metric tons of waste. A large release would have an environmental impact that, by some estimates, would exceed that of a nuclear war. For perspective, the explosion of the Chernobyl reactor in the Soviet Union shot into the atmosphere just a few dozen pounds of highly radioactive nuclear waste, one of the most dangerous components of which was cesium 137 (it would also be a significant part of the waste at Yucca Mountain). Various studies say the consequences of Chernobyl will eventually be somewhere between 17,000 and 475,000 deaths from cancer, as well as an alarming number of serious ailments.¶ For half a decade, Szymanski's was a lone voice. His grim appraisal was opposed by almost everyone else on the Yucca Mountain project, who let their displeasure be known in subtle and not-so-subtle ways. But recently, growing ranks of geologists have backed his view. The dispute is by no means resolved.¶ If Szymanski is right and his warnings are heeded, it could mark the end of the Yucca Mountain project. The retreat would be a stunning setback for the Government and the nuclear-power industry, which is poised for a revival. If he is right and his warnings go unheeded, some experts say it might be the beginning of the ultimate end.¶ "You flood that thing and you could blow the top off the mountain," says Charles B. Archambeau, a geophysicist at the University of Colorado who has reviewed Szymanski's work and found it persuasive. "At the very least, the radioactive material would go into the ground water and spread to Death Valley, where there are hot springs all over the place, constantly bringing water up from great depths. It would be picked up by the birds, the animals, the plant life. It would start creeping out of Death Valley. You couldn't stop it. That's the nightmare. It could slowly spread to the whole biosphere. If you want to envision the end of the world, that's it."

#### Resistance to waste storage in Yucca Mountain is specifically crucial to challenge nuclear colonialism.

Endres, Associate Professor in Communication @ Utah, 2009 [Danielle, “The Rhetoric of Nuclear Colonialism: Rhetorical Exclusion of American Indian Arguments in the Yucca Mountain Nuclear Waste Siting Decision,” Communication and Critical/Cultural Studies, Vol. 6, No. 1, March 2009].

Now, with over 60 years of uranium mining, nuclear weapons production and¶ nuclear power, we face a high-level nuclear waste crisis. Once again, power brokers¶ have looked to exploit American Indian lands, resources and peoples. In the twenty-year¶ process of researching and authorizing a federal high-level nuclear waste¶ repository site, only sites on American Indian land were seriously considered. In¶ addition to the Yucca Mountain site, American Indian nations were also targeted for¶ temporary waste storage through the now-defunct Monitored Retrievable Storage¶ (MRS) program.17 And recently, a proposal by Private Fuel Storage (PFS) and the¶ Skull Valley Goshutes to temporarily store nuclear waste at Skull Valley Goshute¶ reservation was defeated by Skull Valley activists working with the State of Utah¶ against the Skull Valley government and PFS.18 The struggle over the Yucca Mountain¶ nuclear waste site is, as Kuletz pointed out, a continuation of struggles against nuclear¶ colonialism: ‘‘Indian protests over the use of Yucca Mountain as a high-level nuclear-waste¶ dump cannot be seen as an anomaly. Rather, they are a part of a persistent¶ pattern of resistance to military occupation and nuclear activity.’’19 Although we do¶ not yet know the health and environmental effects of permanent nuclear waste¶ storage, nuclear colonialism is not just about health and environmental devastation.¶ It also intersects with sovereignty, nuclearism and colonialism, to which I now turn.

#### Challenging nuclear colonialism is crucial to ending exploitation of Natives

Endres, Associate Professor in Communication @ Utah, 2009 [Danielle, “The Rhetoric of Nuclear Colonialism: Rhetorical Exclusion of American Indian Arguments in the Yucca Mountain Nuclear Waste Siting Decision,” Communication and Critical/Cultural Studies, Vol. 6, No. 1, March 2009, p. 43-44]

The present form of colonialism in the US is what Al Gedicks has called resource¶ colonialism, whereby ‘‘native peoples are under assault on every continent because¶ their lands contain a wide variety of valuable resources needed for industrial¶ development.’’24 As described by Marjene Ambler, the US government works in¶ collusion with large national and multinational corporations to facilitate leases and¶ access to indigenous resources that benefit the government and corporations to the¶ detriment of indigenous communities.25 Resource colonialism depends on ignoring¶ the land ownership rights of the colonized. As such, it also relies on the country’s¶ legal and political system to limit the rights of the colonized, specifically drawing on¶ both the domestic dependent relationship and the trust relationship that holds¶ American Indian lands and monies in ‘‘trust’’ through the Bureau of Indian Affairs.26¶ As American Indian Studies scholar Sharon O’Brien states, ‘‘today’s ‘Indian wars’ are¶ being fought in corporate boardrooms and law offices as tribes endeavor to protect¶ and control their remaining resources.’’27 Resource colonialism is a reality for many¶ tribes in the US, especially those with oil, gas, coal and uranium reserves. In the¶ American West, the Western Shoshone, Navajo, Southern Ute, Paiute and Laguna¶ nations possess a wealth of natural resources including uranium ore and vast desert¶ ‘‘wastelands’’ for nuclear waste storage. Historian Gabrielle Hecht noted that ‘‘the¶ history of uranium mining . . . shows that colonial practices and structures were¶ appropriated\*not overthrown\*by the nuclear age, and proved central to its¶ technopolitical success.’’28 Nuclear colonialism is a tale of resource colonialism.

#### Reprocessing would remove the waste problem – the waste we currently store can be reused

Bastin 8 (Clinton, Former Chemical Engineer at the Atomic Energy Commission, 21st Century Science and Technology, “We Need to Reprocess Spent Nuclear Fuel, And Can Do It Safely, At Reasonable Cost”, 2008, [http://www.21stcenturysciencetech.com/Articles%202008/ Summer\_2008/Reprocessing.pdf](http://www.21stcenturysciencetech.com/Articles%202008/Summer_2008/Reprocessing.pdf), RSR)

The concept of used nuclear fuel as “nuclear waste” is a fiction created by the opponents of nuclear energy. Used nuclear fuel isn’t waste at all, but a renewable resource that can be reprocessed into new nuclear fuel and valuable isotopes. When we entered the nuclear age, the great promise of nuclear energy wasitsrenewability, making it an inexpensive and efficient way to produce electricity. It was assumed that the nations making use of nuclear energy would reprocess their spent fuel, completing the nuclear fuel cycle by recycling the nuclear fuel after it was burned in a reactor, to extract the 95 to 99 percent of unused uranium in it that can be turned into new fuel. This means that if the United States buries its 70,000 metric tons of spent nuclear fuel, we would be wasting 66,000 metric tons of uranium-28, which could be used to make new fuel. In addition, we would be wasting about 1,200 metric tons of fissile uranium-25 and plutonium-29, which can also be burned as fuel. Because of the high energy density in the nucleus, this relatively small amount of U.S. spent fuel (it would fit in one small house) is equivalent in energy to about 20 percent of the U.S. oil reserves. About 96 percent of the spent fuel the United States is now storing can be turned into new fuel. The 4 percent of the socalled waste that remains—2,500 metric tons—consists of highly radioactive materials, but these are also usable. There are about 80 tons each of cesium-17 and strontium-90 that could be separated out for use in medical applications, such as sterilization of medical supplies. Using isotope separation techniques, and fast-neutron bombardment for transmutation (technologies that the United States pioneered but now refuses to develop), we could separate out all sorts of isotopes, like americium, which is used in smoke detectors, or isotopes used in medical testing and treatment. Right now, the United Statesmust import 90 percent of its medical isotopes, used in 40,000 medical procedures daily. The diagram shows a closed nuclear fuel cycle. At present, the United States has no reprocessing, and stores spent fuel in pools or dry storage at nuclear plants. Existing nuclear reactors use only about 1 percent of the total energy value in uranium resources; fast reactors with fuel recycle would use essentially 100 percent, burning up all of the uranium and actinides, the long-lived fission products. In a properly managed and safeguarded system, the plutonium produced in fast reactors would remain in its spent fuel until needed for recycle.Thus, there need be no excess buildup of accessible plutonium. The plutonium could also be fabricated directly into new reactor fuel assemblies to be burned in nuclear plants.

#### Reprocessing solves the storage of waste in Yucca Mountain.

Broad 95 (William, NYT staff, Scientists fear atomic explosion of buried waste, The New York Times, March 5, p. 1)

Dr. Bowman says the explosion thesis is alive and well. On Friday he finished an 11-page draft paper thick with graphs and equations that lays it out in new detail.¶ The team criticisms, he said in an interview, repeatedly fall flat. For instance, dispersal could happen relatively quickly, especially if water percolated through the dump. Even if slow, plutonium 239 decays into uranium 235, which harbors the same explosive risks but requires millions of years to decay into less dangerous elements.¶ So too with the other criticisms, he says. Water could aid the slowing of neutrons and make sure the reaction went forward rather than automatically slowing down. And a pile could explode, he insists, while conceding that the blast from a single one might have a force of a few hundred tons of high explosive rather than the thousand or more originally envisioned.¶ On the other hand, his new paper says plutonium in amounts as small as one kilogram, or 2.2 pounds, could be dangerous.¶ "We got some helpful criticism and that, combined with additional work, has made our thesis even stronger," he said.¶ The most basic solution, Dr. Bowman said, would be removing all fissionable material from nuclear waste in a process known as reprocessing or by transmuting it in his proposed accelerator. Other possible steps would include making steel canisters smaller and spreading them out over larger areas in underground galleries -- expensive steps in a project already expected to cost $15 billion or more.¶ A different precaution, Dr. Bowman said, would be to abandon the Yucca site, where the volcanic ground is relatively soluble. Instead, the deep repository might be dug in granite, where migration of materials would be slower and more difficult.

### Observation 3

#### Observation Three: Peak uranium

#### Peak uranium is coming by 2016.

Keen 12 (Kip, Uranium supply crunch by 2016 - nuclear expert says, Mineweb, 24 January 2012, http://www.mineweb.co.za/mineweb/view/mineweb/en/page72103?oid=143915&sn=Detail&pid=102055, da 8-27-12)

A nuclear expert gave uranium supply three more years - at most - before it seriously falls behind demand from the nuclear power industry.¶ "2016: We have to have supply in the market or the lights will gradually go out in the nuclear system," said Thomas Drolet, the president of Drolet & Associates Energy Services, during a presentation at Cambridge House's Vancouver Resource Investment conference on Monday.¶ A uranium supply crunch is widely anticipated to hit the nuclear industry starting next year as Cold War era sources of uranium dry up. To illustrate the severity of the shortage that the nuclear industry faces, Drolet highlighted 2010 uranium production from mining - 118 million pounds - versus consumption: 190 million pounds.¶ "You can do the delta difference yourself," Drolet said, referring to how much of a supply gap miners will have to make up for in coming years. ¶ That uranium is "going to have to come from somewhere," he said.¶ The Fukushima nuclear disaster in Japan, Drolet argued, only delayed the onset of the coming pinch on uranium supply. But even in his "downside" analysis the uranium deficit still comes by 2015.

#### Increased domestic production of uranium is key to our tritium supply – foreign sources cannot solve.

Rowny 12 [edward, retired Lieutenant General, was chief negotiator with the rank of ambassador in the START arms control negotiations with the Soviet Union and has served as an arms control adviser and negotiator for five presidents, Roll Call, 3-29-2012,

http://www.rollcall.com/issues/57\_118/edward-rowny-safe-uranium-enrichment-should-be-us-priority-213505-1.html]

Oil may grab headlines, but nuclear power for civilian use is growing, as it should. It is efficient, extremely safe and friendly to the environment. As with oil, the U.S. would be wise to produce its own supply of enriched uranium, the fuel for nuclear power plants. Farming out the process to other nations — or to companies headquartered overseas — is risky and increases our vulnerabilities. The U.S. government should pay more attention than it has in recent years to the nation’s dwindling ability to enrich its own uranium. The consequences of doing otherwise could be dramatic. Our country could find itself at the mercy of foreigners who do not have our best interests at heart. Energy independence, a laudable aspiration for oil, is even more essential for nuclear power. Domestically produced supplies of enriched uranium are already running short. The U.S. once produced most of the world’s enriched uranium. Now we’re down to about a quarter of the world’s supply. For reasons of national security, we shouldn’t dip further. That’s why the president should be praised for requesting $150 million in next year’s National Nuclear Security Administration budget to keep uranium enrichment alive on our soil. In the meantime, Chu has asked Congress for the authority to reallocate his current budget resources for that purpose until next year’s budget is enacted. Without this cash infusion, American technology at a major facility in rural Ohio will face an uncertain future. We can’t afford the uncertainty. Military considerations also play a role here. Nuclear weapons, while thankfully on the decline, still exist and must be maintained and updated. International treaties mandate that tritium, a rare, radioactive isotope that’s a byproduct of enriched uranium use in nuclear reactors and is critical to the proper, safe functioning of nuclear weapons, must be made with U.S. technology. Unless U.S. technology is available to make the enriched uranium needed to produce tritium, our national security will be at risk.

#### That’s key to the nuclear deterrent.

Gaffney 10 (Frank, founder and president of the Center for Security Policy, “There Goes the Nuclear Deterrent”, Breitbart, 10-14-2010, <http://www.breitbart.com/Big-Peace/2010/10/14/There-Goes-the-Nuclear-Deterrent>)

The House Armed Services Committee warned in 1993 that the deterrent was being subjected to “erosion by design” – and thanks to these sorts of deliberate actions – those chickens are coming home to roost today, with a vengeance. ¶ Now, we learn that the stockpile is literally running out of gas. ¶ A key ingredient used to boost the explosive power of thermonuclear devices is a gas called tritium. Unlike other radioactive materials used in such weapons (notably, plutonium and uranium), the usefulness of tritium degrades fairly quickly – its “half-life” is only about 12 years. As a result, the tritium reservoirs in our bombs and missile warheads must be regularly refueled in order for those weapons to remain operable.

#### Nuclear deterrence necessary to deter rogue states, CBW attacks, power challengers, and allied proliferation - impact is extinction.

Schneider 9 (Mark, Senior Analyst with the National Institute for Public Policy, May/April 2009 “The Future of the US Nuclear Deterrent” Comparative Strategy, p345-360)

According to the Pentagon’s Quadrennial Defense Review, the United States must maintain a “robust nuclear deterrent, which remains a keystone of U.S. national power.”98 The reason should be self evident—without a nuclear deterrent the United States could be destroyed as an industrial civilization and our conventional forces could be defeated by a state with grossly inferior conventional capability but powerful WMD. We cannot afford to ignore existing and growing threats to the very existence of the United States as a national entity. Missile defenses and conventional strike capabilities, while critically important elements of deterrence and national power, simply can’t substitute for nuclear deterrence. In light of the emerging “strategic partnership” between Russia and China and their emphasis on nuclear weapons it would be foolish indeed to size U.S. strategic nuclear forces as if the only threat we face is that of rogue states and discard the requirement that the U.S. nuclear deterrent be “second to none.” Ignoring the PRC nuclear threat because of Chinese “no first use” propaganda is just as irresponsible. Absent a nuclear deterrent to their WMD use, rogue states could defeat our forces by the combination of few nuclear EMP weapons and large chemical and biological attacks. The situation would be much worse if they build a more extensive nuclear strike capability as has been reported. Freezing U.S. nuclear forces at the technical level of the Reagan administration will assure that, within two decades, Russia, China, India, and probably others will be technically superior and U.S. deterrence ability against CBW attack will be reduced. United States nuclear forces must be modernized and tailored to enhance deterrence and damage limitation against the rogue WMD threat. WMD capabilities have given otherwise inconsequential states the ability to kill millions of people. The right combination of missile defense and conventional and nuclear strike capabilities provide the best deterrent and damage limiting capability against the rogue state threat. We must not ignore the requirement to provide extended deterrence to our allies. British and French nuclear forces are not large enough, and these nations are not perceived as tough enough, to provide a deterrent for NATO Europe against Russia. In the Far East, there is literally no nuclear deterrent capability against China other than that provided by the United States. Failure to provide a credible deterrent will result in a wave of nuclear proliferation with serious national security implications. When dealing with the rogue states, the issue is not the size of the U.S. nuclear deterrent but the credibility of its use in response to chemical or biological weapons use and its ability to conduct low collateral damage nuclear attacks against WMD capabilities and delivery systems including very hard underground facilities for purposes of damage limitation. We must also have the capability to respond promptly. The United States nuclear guarantee is a major deterrent to proliferation. If we do not honor that guarantee, or devalue it, many more nations will obtain nuclear weapons. If arms control really becomes a substitute for nuclear deterrence and defense, it may very well precipitate the most destructive war in history. Effective verification is essentially impossible, and verification is not a substitute for compliance. Today, arms control has become part of the problem rather than a solution to the problem. The abolition of the in-kind deterrent to CBW use—which deterred CBW use in World War II—is making the world more unsafe almost on a daily basis. The START and Intermediate-Range Nuclear Forces (INF) Treaties prevent or inhibit the development of conventional strike capabilities with enhanced ability to counter WMD. The demise of the ABM Treaty, while very useful, does not completely address the problem of legacy arms control and its constraints upon U.S. conventional capabilities.

#### Uranium scarcity causes Russia and China to compete for Kazakh uranium – hurts relations.

Muzalevsky 11 (Roman, International Affairs Expert, Global Struggle for Kazakh Uranium Resources, 15 April 2011, The Jamestown Foundation, http://www.jamestown.org/single/?no\_cache=1&tx\_ttnews%5Bswords%5D=8fd5893941d69d0be3f378576261ae3e&tx\_ttnews%5Bany\_of\_the\_words%5D=uranium&tx\_ttnews%5Btt\_news%5D=37802&tx\_ttnews%5BbackPid%5D=7&cHash=eff36581a33138a4b57613d1f285d205, da 9-13-12)

Kazakhstan is interested in profiting from its energy exports to diverse suppliers and strengthening its geopolitical position vis-à-vis its two large neighbors – Russia and China. A rapidly emerging China is a prospective partner for Kazakhstan, wary of Moscow’s economic interests and strategic imperatives to retain its great power status in the post-Soviet space.¶ Russia is the world’s third and fourth largest source and producer of uranium, respectively. However, it confronts major production difficulties due to geographic conditions, pushing it to seek uranium deals with countries such as Australia and Kazakhstan. Russia needs to produce about 20,000 tons of uranium annually to meet its nuclear power needs by 2025. In 2007, it produced 3,413 tons of uranium. After the launch of a joint Russian-Kazakh venture in Kazakhstan, Russia’s uranium production climbed to 3,527 tons. In 2006, the two countries agreed to launch three nuclear joint ventures worth $10 billion to develop, enrich, and build nuclear reactors, including with a view to construct nuclear power stations in Kazakhstan and other countries (www.newsru.com, June 26, 2008; www.thebulletin.org, April 28, 2008).¶ Kazakhstan relies on Russia, which enjoys 45 percent of the global uranium enrichment capacity, for uranium enrichment. However, Mukhtar Dzhakishev, the former executive of the Kazakh nuclear state company Kazatomprom, cautions against Kazakhstan’s overall cooperation with Russia (www.inosmi.ru, February 26, 2010).¶ Kazakhstan has tried to avoid this by collaborating with Japan and China. Technologically-strong Japan is expected to generate 41 percent of its electricity production from nuclear energy by 2017. It runs 55 nuclear power reactors, planning to construct 11 more in the future. This offers lucrative prospects for Kazakhstan as it wants to obtain a 40 percent share of Japan’s uranium market. Companies such as Marubeni, Tokyo Electric Power, Chubu Electric Power, and Tohoku Electric Power have already contracted with Kazatomprom to develop Kharasan-1 and Kharasan-2 uranium deposits in Kazakhstan, aiming to produce 160,000 tons of uranium by 2050. Kazatomprom and Japan’s Sumitomo Shoji and Kepko also develop the Zapadny Munkuduk uranium deposit in the country. Kazatomprom also has a 10 percent share of the Japanese-owned Westinghouse Electric, one of the world’s largest suppliers of nuclear power reactors. Astana and Tokyo are currently exploring the possibility of building a nuclear power station in Kazakhstan (EDM, August 2, 2010).¶ Kazakh-Chinese cooperation is especially notable. China, as a leading global nuclear power developer is already the largest buyer of Kazakh uranium (www.trend.az, November 11, 2010). In 2007, Kazatomprom and China Guangdong Nuclear Power Group agreed to produce nuclear fuel (www.thebulletin.org, April 28, 2008). In April 2009, China and Kazakhstan created the Semizbay-U enterprise at Irkol, planning to produce 750 tons of uranium annually (EDM, March 23). Deputy Head of State Energy Management of China, Tian Zhiming, commented on Beijing’s appetite for nuclear energy: “The PRC will become the world’s largest consumer of uranium by 2030, overtaking the US. It is a question of time.” In 2011, the two sides agreed on the supply of 55,000 tons of uranium over the next 10 years. “Nineteen nuclear complexes will be built in China and 25 more are being planned. This is a huge potential market. In the long term, Kazakhstan can supply up to 40 percent of nuclear fuel. This is tens of billions of dollars in profit,” stated Kazakh President Nursultan Nazarbayev (www.eurasia.org.ru, March 17). ¶ In this light, security risks associated with a struggle by major powers over access to Kazakh uranium resources are not inconceivable, making it imperative for Kazakhstan not to overplay its external balancing strategy as it seeks to consolidate its sovereignty and maintain an economic modernization drive. Kazakhstan must address domestic risks. Its ambitions to supply nuclear power and fuel at home and abroad already raise environmental, health, and proliferation concerns given the lack of a professional cadre and environmental and safety standards. Many people still suffer from more than 450 nuclear weapons tests conducted in the country during the Soviet era. Nuclear incidents in Japan after the recent tsunami and potential Russian-Kazakh plans to build a nuclear power plant in Aktau are already generating an anti-nuclear backlash in the country (EDM, March 23; www.thebulletin.org, April 28, 2008). Many fear that widespread corruption and the country’s location in an unstable region increases the risk that Kazakhstan might possibly become a major proliferator (www.newsland.ru, October 17, 2009; www.thebulletin.org, April 28, 2008).¶ ¶ Mitigating these risks is a major challenge for Kazakhstan and others as the world confronts the surge in nuclear energy demand and the struggle over the precious uranium resources.

#### That escalates to global nuclear war.

Blank 2k (Stephen J, Expert on the Soviet Bloc for the Strategic Studies Institute, “American Grand Strategy and the Transcaspian Region”, World Affairs. 9-22)

Thus many structural conditions for conventional war or protracted ethnic conflict where third parties intervene now exist in the Transcaucasus and Central Asia. The outbreak of violence by disaffected Islamic elements, the drug trade, the Chechen wars, and the unresolved ethnopolitical conflicts that dot the region, not to mention the undemocratic and unbalanced distribution of income across corrupt governments, provide plenty of tinder for future fires. Many Third World conflicts generated by local structural factors also have great potential for unintended escalation. Big powers often feel obliged to rescue their proxies and proteges. One or another big power may fail to grasp the stakes for the other side since interests here are not as clear as in Europe. Hence commitments involving the use of nuclear weapons or perhaps even conventional war to prevent defeat of a client are not well established or clear as in Europe. For instance, in 1993 Turkish noises about intervening on behalf of Azerbaijan induced Russian leaders to threaten a nuclear war in that case. Precisely because Turkey is a NATO ally but probably could not prevail in a long war against Russia, or if it could, would conceivably trigger a potential nuclear blow (not a small possibility given the erratic nature of Russia's declared nuclear strategies), the danger of major war is higher here than almost everywhere else in the CIS or the "arc of crisis" from the Balkans to China. As Richard Betts has observed, The greatest danger lies in areas where (1) the potential for serious instability is high; (2) both superpowers perceive vital interests; (3) neither recognizes that the other's perceived interest or commitment is as great as its own; (4) both have the capability to inject conventional forces; and (5) neither has willing proxies capable of settling the situation.(77)

#### And escalation’s guaranteed – it’s a geopolitical hub.

Saghal and Anand10 (Arun (former Army officer who created the Office of Net Assessment in the Indian Joint Staff, Senior Fellow at the Institute for Defense Studies and Analyses and ‘Distinguished Fellow’ School of Geo-Politics at the Manipal Academy of Higher Education) and Vinod (postgraduate in defence and strategic studies and is an alumnus of Defence Services Staff College and College of Defence Management), “Strategic Environment in Central Asia and India”, <http://www.silkroadstudies.org/new/docs/publications/1004Joshi-V-Strategic.pdf>)

The geo-strategic salience of Central Asia today has been underscored by two main factors. First, Central Asia has become important because of the discovery of hydrocarbon reserves and second, it has become a major transportation hub for gas and oil pipelines and multi-modal communication corridors connecting China, Russia, Europe, the Caucasus region, the Trans-Caspian region and the Indian Ocean. Furthermore, whether it was Czarist Russia or the Soviet Union or even the present Central Asian regimes, there has always been a strategic ambition in the north to seek access to the warm waters of the Indian Ocean. Thus Afghanistan, which links Central Asia and South Asia, is a strategic bridge of great geopolitical significance. Central Asia and South Asia are intimately connected not only geographically but also strategically. The Central Asian republics of Turkmenistan, Uzbekistan and Tajikistan have borders with Afghanistan, Iran lies to its west and Pakistan to the east and south. Therefore, the geostrategic significance of Afghanistan is enhanced even though it may not be an oil- or gas-rich country. With the control of Afghanistan comes the control of the land routes between the Indian subcontinent and resource-rich Central Asia, as well as of a potential corridor to Iran and the Middle East. Thus, stability and peace in Afghanistan, and for that matter Pakistan, are a geostrategic imperative. Central Asia has never been a monolithic area and is undergoing a turbulent transitional process with a diverse range of ethnicities and fragmented societies throughout the region. These societal divisions and lack of political maturity compound the social, economic and political challenges. Security and economic issues are the two most important components of the Central Asian states’ engagement with outside powers. Among the states themselves there are elements of both cooperation and competition. Historical legacies, their geo-strategic locations, and above all their perceived national interests profoundly influence the political choices of Central Asian nations. The weaknesses of the new nations in Central Asia pave the way for outside powers to interfere in their internal affairs.

#### Adoption of reprocessing solves U.S. uranium needs

Sayre 11 (Edwin, engineering consultant, “Commercial Value of Used Nuclear Fuel Reprocessed with Elements Separated, Purified and Reduced to Metals”, NIST, 2011, <http://www.nist.gov/tip/wp/pswp/upload/164_commercial_value_used_nuclear_fuel_reprocessed.pdf>)

The commercial value of the elements in the used fuel as indicated in Table 1 is a big ¶ surprise for most people. The commercial value of over twenty million dollars a year each 1000 MW reactor is based on today’s value for the rare metals in the fission ¶ products and the fissile metals to be recycled in fuel. The accelerated use of these ¶ elements with future technology will probably make them worth more than double that ¶ commercial value in 2050.¶ The United States should be interested in determining the cost of reprocessing the used ¶ fuel and preparing the elements for commercial use. It is estimated roughly that there ¶ will be a considerable profit in the processing of the elements in the used fuel. DOE is ¶ supporting technical proposals for the Advanced Fuel Cycle Initiative (AFCI) for ¶ computing and simulating the operations required for processing the used fuel and ¶ separating out the commercial elements to determine the cost. There will be further ¶ programs to optimize the technology for the processing and establishing the required ¶ facilities. It would be economically ideal to start up the first reprocessing facilities by ¶ 2020 to start using the used fuel with over 50 years of aging. ¶ Many other countries are moving forward in the reprocessing and recycling the actinides ¶ in fast breeder reactors to make fuel from all low enriched fuel for the future use in the ¶ thermal reactor power plants. There is enough used nuclear fuel and the uranium 238 ¶ stored away to meet all of the US energy requirements for the next 500 years with the ¶ proper technical planning and program operation.

#### US nuclear reprocessing lead to a spillover of the technology internationally.

Acton 9 (James, J. associate in the Nonproliferation Program at the Carnegie Endowment for International Peace, Survival, Vol. 51, No. 4, “Nuclear Power, Disarmament and Technological Restraint”, RSR)

Thus, not only does reprocessing clearly not help with facilitating take back, but if advanced nuclear states adopt it as a tool for waste management, it will be virtually impossible for them to argue against others doing likewise. Today, waste management is probably the most important driver for reprocessing. Indeed, the Bush administration’s interest in this technology was born out of a desire to stretch the capacity of Yucca Mountain as far as possible. If the United States and others reprocess they will hand a powerful argument to lobbies within a state – typically the nuclear R&D community – that support the development of reprocessing.

#### Nuclear reprocessing solves peak uranium internationally.

Berry and Tolley 10 (R. Stephen and George S., Professors at the University of Chicago, Nuclear Fuel Reprocessing: Future Prospects and Viability, University of Chicago, 29 November 2010, http://humanities.uchicago.edu/orgs/institute/bigproblems/Team7-1210.pdf, da 8-29-12)

Uranium prices have also been rising due to increased demand, a trend that may¶ have long-term repercussions. Identified uranium deposits can fuel existing nuclear plants¶ for about 80 years without reprocessing. Reprocessing can extend the life of current¶ uranium resources for an additional 15 to 20 years.¶ 91¶ Total conventional uranium¶ resources, including undiscovered deposits that are estimated using indirect geological¶ evidence and extrapolated values, can fuel existing plants for around 200 years.¶ 92¶ In the¶ short-term, however, prices have risen sharply because of an announced increase in nuclear¶ plants that will require fuel: China is intending to increase nuclear power as a source of¶ national energy by 7% in the next ten years, and countries such as Russia, Pakistan, and¶ South Korea are all building new reactors.¶ 93¶ Another benefit of reprocessing is the¶ additional plutonium and uranium recovered per kilogram of spent fuel reprocessed; this¶ amount replaces a portion of the raw material that goes into the fuel cycle. The amount of¶ recovered uranium is .94 kg/kgHM, and the amount of recovered plutonium is .01014¶ kg/kgHM.¶ 94

### Plan Text

#### Thus the plan: The United States Federal Government should provide a twenty-percent investment tax credit for the deployment of domestic nuclear fuel recycling.

### Solvency

#### Observation Four: Solvency

#### Tax incentives would solve for reprocessing – makes it commercially more desirable

Lagus 5 (Todd, 2005 WISE Intern, University of Minnesota, WISE, “Reprocessing of Spent Nuclear Fuel: A Policy Analysis” <http://www.wise-intern.org/journal/2005/lagus.pdf>, RSR)

The economic analysis shows that the reprocessing or even the once through nuclear cycle is not yet economically desirable to investors. However, changes in government policies, including environmental regulations already mentioned and economic policies, could improve the competitiveness of both technologies. The University of Chicago nuclear power study analyzes the effects of government involvement in the future of the once through cycle using several different forms of support: loan guarantees, accelerated depreciation, and investment tax credits. Loan guarantees in this case refer to the obligation of the government to repay part of the loan should a utility company not be able to repay. The 2005 Energy Bill, which passed in July 2005, would make advanced nuclear power plants eligible for federal loan guarantees and provide a tax credit for nuclear power production. This would lessen the risks associated with capital costs for investors, and according to the Chicago study, reduce the LCOE for a nuclear reactor by 4 mills/kWh to 6 mills/kWh. The next financial subject, accelerated depreciation, refers to the ability of an investor to utilize the investment tax deductions early on in the lifetime of the payment rather than receive the same deduction each year in a linear fashion. Accelerated depreciation helps investors absorb capital costs, which for nuclear power generation are large. The University of Chicago study calculates a reduction in the LCOE for a 7 year depreciation policy of 3 mills/kWh to 4 mills/kWh. Tax incentives for nuclear power production are the final policies that could make nuclear power and reprocessing more desirable. An investment tax credit of 10 percent would create an LCOE reduction between 6 mills/kWh and 8 mills/kWh, while a 20 percent credit could create cost reductions between 9 mills/kWh and 13 mills/kWh. 39 Production tax credits on a per kWh basis may also be used. Since reprocessing and the once through cycle are not appreciably different for the price, it is sufficient to assume 12 that similar effects for all three of these government policies would occur with policies applied to reprocessing. While it is no secret that monetary incentives would help the nuclear reprocessing investments, there is still the question of whether or not the government should provide economic support to the industry. As with any government funding, it is politically important not to be viewed by other energy generation industries, i.e. gas and coal, as favoring nuclear power over other sources. Given the recent concerns for global warming, tax incentives and loan guarantees for nuclear technologies seem like a realistic option especially in the absence of emission regulations. Accelerated depreciation also is an unobtrusive option that could help the industry by easing capital costs.

#### Government investment key – necessary to mitigate risks from government regulations.

Selyukh 10 (Alina, Staff Writer, “Nuclear waste issue could be solved, if...”, 8-17-10, Reuters,

<http://www.reuters.com/article/2010/08/17/us-nuclear-waste-recycling-idUSTRE67G0NM20100817>, RSR)

Since the U.S. agency declared spent fuel reprocessing too costly, U.S. research into new technologies has slowed. President George W. Bush offered federal backing for nuclear waste management alternatives, but over the years the policy has meandered and had few incentives to lure companies, said Steven Kraft, senior director of used-fuel management at the Nuclear Energy Institute, the industry's trade organization. Being able to burn through rather inexpensive uranium to produce energy, companies are wary of investing millions into recycling technology that may go against the national policy. Still, industry support for the ideas is strong, if not for the procedure itself then for allowing the market -- not the government -- to determine its cost-effectiveness and fate. Duke Energy, which operates seven nuclear plants, would support nuclear recycling if there was a cost-effective national policy, spokeswoman Rita Sipe said. GE Hitachi has proposed a new generation of fast reactors that, they say, could return to the grid up to 99 percent of energy contained in the uranium, compared to recovering 2 or 3 percent from a common light water reactor. But they want federal support for more research and, ultimately, commercialization of the technology, said chief consulting engineer Erik Loewen. That support, in essence, would have to come in a form of subsidies such as cost sharing or loan guarantees, said Jack Spencer, nuclear energy policy research fellow at the Heritage Foundation think tank. "What the industry needs... is something to mitigate government-imposed risks," he said of the regulatory regime.

#### **Reprocessing acknowledges and deals with the secondary costs to waste. It causes a mindset shift away from status quo consumption.**

Rawles, Lecturer at the University of Edinburgh, 2k

[Richard, “Coyote Learns to Glow”, Part of “Learning to Glow: A Nuclear Reader”, RSR]

Humans, having gathered uranium from the New Mexican desert not all that far from Yucca Mountain, have harnessed the energy within the atom, for commercial and security purposes, in effect by “tricking" nature out of its secret power. We are aided in our industry by this supposedly "free” energy source. As Martin Heidegger observed, we regard the natural world as a “standing reserve:’ there for the plundering-the military metaphor is more than apt in this case. Having stolen from nature its hidden fire, we delude ourselves into believing that there’s no reckoning, no balancing of accounts, despite even the scientific evidence, which tells us there are no free meals in nature’s unforgiving cycles. We are burdened by the waste from this virtual cornucopia, much as the Greeks of the early classical period projected into Pandora's box of woes the burdens of civilizing fire—its destructive aspects, along with the rituals needed to maintain the fire.

#### Government investment necessary – provides appropriate risk mitigation and shortens the timeframe for completion.

IAEA 8 (International Atomic Energy Agency, “Spent Fuel Reprocessing Options”, August 2008, RSR)

With the expected high costs and significant risks involved in constructing new nuclear facilities, e.g., reprocessing facilities, the impact of various ownership options need to be considered. These options include government funding, regulated funding, private funding, and combinations of public and private funding. These different funding approaches may significantly impact the costs of fuel cycle services. Given the very long time frames associated with building reprocessing facilities, there exist risks other than technological or economic, which need to be dealt with. These include evolving government policy, public and political acceptance, and licensing risks. As a result, private investors are unlikely to provide capital unless the initial high risks factors are mitigated through appropriate risk sharing agreements (e.g., loan guarantees, equity protection plans, tax credits, etc.) with government entities.

## 2AC

### Waste

#### They say tribes discourse bad – awkward – we don’t use the term tribes. We use the term natives. Cntrl F our document never in any of the parts we read.

#### Their discourse analysis is mere idealism – distracts us from struggles over actual material harms.

De Landa, Adjunct Professor at University of Pennsylvania in Philadelphia and the Gilles Deleuze Chair of Contemporary Philosophy and Science at the European Graduate School, ‘6

[Manuel, A New Philosophy of Society: Assemblage Theory And Social Complexity, 2006, RSR]

There is finally, the question of the effect of linguistic components on these assemblages. Tilly discusses the crucial role played by general terms designating social categories. Given that prior to a conflict a particular social group may have already been classified by a government organization under a religious, ethnic, racial or other category, one of the goals of social movements is to change that classification. But the reason such a change is important for the member of a given movement is not because categories directly shape perception as social constructivists would have it but because of the unequal legal rights and obligations which are attached by government organizations to a given classification, as well as the practices of exclusion, segregation and hoarding of opportunities which sort people out into ranked groups.42 Thus, activists trying to change a given category are not negotiating over meanings, as if changing the semantic content of a word automatically meant a real change in the opportunities and risks faced by a given social group, but over access to resources (income, education, health services) and relief from constraints. In short struggles over categories are more about their legal and economic significance than their linguistic signification.

### Reconsumption CP

#### No clue how the CP works – their CP states do the aff without re-commodification. Never define what this actually means.

#### Permutation do both.

#### Perm do the cp justified to test parts of the CP that aren’t competitive and extra to the aff. And perm isn’t severance if we win the cp includes 100% of the plan text.

#### Artificial competition should be rejected – no textual competition because the aff plan text fits entirely in the counterplan text. Judge should evaluate competition through the lens of textual competition because it’s the only stable point of comparison and reduces judge intervention and arbitrariness while increasing strategic thinking education.

#### Voter for education.

#### CP can’t solves rejects the notion of recycling – that’s necessary to solve for the entirety of the 1AC. Plan is impossible in the world of the CP.

#### Rejecting capitalism will spark transition wars, re-entrenching cycles of exploitation

Gubrud 97 [Mark Avrum (Center for Superconductivity Research); “Nanotechnology and International Security”; Foresight Nanotechnology Institute; <http://www.foresight.org/Conferences/MNT05/Papers/Gubrud/>

With molecular manufacturing, international trade in both raw materials and finished goods can be replaced by decentralized production for local consumption, using locally available materials. The decline of international trade will undermine a powerful source of common interest. Further, artificial intelligence will displace skilled as well as unskilled labor. A world system based on wage labor, transnational capitalism and global markets will necessarily give way. We imagine that a golden age is possible, but we don't know how to organize one. As global capitalism retreats, it will leave behind a world dominated by politics, and possibly feudal concentrations of wealth and power. Economic insecurity, and fears for the material and moral future of humankind may lead to the rise of demagogic and intemperate national leaders. With almost two hundred sovereign nations, each struggling to create a new economic and social order, perhaps the most predictable outcome is chaos: shifting alignments, displaced populations, power struggles, ethnic conflicts inflamed by demagogues, class conflicts, land disputes, etc. Small and underdeveloped nations will be more than ever dependent on the major powers for access to technology, and more than ever vulnerable to sophisticated forms of control or subversion, or to outright domination. Competition among the leading technological powers for the political loyalty of clients might imply reversion to some form of nationalistic imperialism.

#### Case outweighs. Waste is there packed on-site right now and its going to blow up. It’s also vulnerable to meltdowns that culminate extinction. Also, they can’t solve Yucca long term which also blows up. Rejecting capitalism doesn’t address the underlying problems of waste storage.

#### Their alternative is vague: they don’t articulate a specific replacement for capitalism or SYMBOLIC TOUGHT nor describe what action the alternative actually takes That’s a voter vague alts let them recharacterize what their alt does to get out of all our offense. That crushes 2AC time and strategy.

#### Psychoanalysis violently assumes that entire societies work according to the logic of individual psyches – they take contingent examples as universal, perpetual truths that can never be altered

Andrew Robinson, PhD in political theory at the University of Nottingham, 2005, Theory & Event 8.1

The operation of the logic of projection is predictable.  According to Lacanians, there is a basic structure (sometimes called a 'ground' or 'matrix') from which all social phenomena arise, and this structure, which remains unchanged in all eventualities, is the reference-point from which particular cases are viewed.  The "fit" between theory and evidence is constructed monologically by the reduction of the latter to the former, or by selectivity in inclusion and reading of examples.  At its simplest, the Lacanian myth functions by a short-circuit between a particular instance and statements containing words such as "all", "always", "never", "necessity" and so on.  A contingent example or a generic reference to "experience" is used, misleadingly, to found a claim with supposed universal validity.  For instance, Stavrakakis uses the fact that existing belief-systems are based on exclusions as a basis to claim that all belief-systems are necessarily based on exclusions[58](http://muse.jhu.edu/journals/theory_and_event/v008/8.1robinson.html#_edn58), and claims that particular traumas express an 'ultimate impossibility'[59](http://muse.jhu.edu/journals/theory_and_event/v008/8.1robinson.html#_edn59).  Similarly, Laclau and Mouffe use the fact that a particular antagonism can disrupt a particular fixed identity to claim that the social as such is penetrated and constituted by antagonism as such[60](http://muse.jhu.edu/journals/theory_and_event/v008/8.1robinson.html#_edn60).  Phenomena are often analysed as outgrowths of something exterior to the situation in question.  For instance, Žižek's concept of the "social symptom" depends on a reduction of the acts of one particular series of people (the "socially excluded", "fundamentalists", Serbian paramilitaries, etc.) to a psychological function in the psyche of a different group (westerners).  The "real" is a supposedly self-identical principle which is used to reduce any and all qualitative differences between situations to a relation of formal equivalence.  This shows how mythical characteristics can be projected from the outside, although it also raises different problems: the under-conceptualization of the relationship between individual psyches and collective phenomena in Lacanian theory, and a related tendency for psychological concepts to acquire an ersatz agency similar to that of a Marxian fetish.  "The Real" or "antagonism" occurs in phrases which have it doing or causing something.

#### You should default to the middle ground – psychology is good FOR PEOPLE – but empirical studies prove you can’t scale it up to explain IR or revolutionary politics. This means the alt can’t solve the K and the aff.

Epstein, senior lecturer in government and IR at the University of Sydney, ‘10

[Charlotte, “Who speaks? Discourse, the subject and the study of identity in international politics,” European Journal of International Relations XX(X) 1–24]

To be clear, this move is not intended to deny the intimate links between discourse and subjectivity. The earlier foray into Lacanian thought served precisely to underline the centrality of discourse to both the making and subsequent analysis of the subject. But by the same token it also drew out what is required to wield the discourse approach effec­tively in IR. Indeed Lacan’s analysis emphasizes the sheer complexity of the dynamics of a highly individual phenomenon (identity), and consequently the difficulties in taking this level as the starting point for analysing all other levels at which identity is politically at play.13 As the discipline that positions itself at the highest level of analysis (the supra­national), IR cannot maintain its focus at the level where some of the finer debates around subjectivity take place (see for example, Butler, 1997). The issue here is one of discipli­nary specificity, or, in other words, equipping IR for what it wants to do; and the solu­tion proposed is one of suspension or bracketing. To restate this important point differently, at the individual level, subjectivities and subject-positions remain coextensive. The distinction between subject-positions and subjectivities becomes operative once the analysis shifts beyond the individual level. This distinction thus offers a theoretically cogent way of studying identity while bracket­ing some of its more unwieldy dimensions that may, moreover, not be pertinent at the levels at which IR casts its focus. It renders the discourse approach operative for IR, because it makes it possible to study *state* identities, without having to presume that states have feelings, or indeed enter into questions of how much exactly are they like people, or what kind of selves do they possess. What the discourse approach analyses, then, is the ways in which actors — crucially, whether individuals or states — define themselves by stepping into a particular subject-position carved out by a discourse. In taking on the ‘I/we’ of that discourse, actors’ identities are produced in a very specific way. In doing so, they are establishing them­selves as the subjects of particular discourses, such as the anti-whaling discourse, and thereby marking themselves as ‘anti-whalers’. How, then, do discursive subject-positions differ from Wendt’s (1999: 227–229) role identities, where the actor is similarly seen as stepping into institutionalized roles (such as professor and student)? The crucial differ­ence is that the concept of subject-position does not harbour any assumption about any primordial self supporting these roles. Importantly, this is not to say that the self does not exist — that the professor or student have no selves — but simply that the concept is not relevant to the analysis of the discursive construction of identity, especially when taken to the interstate level.

#### The status quo is structurally improving.

Golanky, Policy Analyst for the Department of the Interior, ‘10

[Indur, PhD from MSU, “Population, Consumption, Carbon Emissions, and Human Well-Being in the Age of Industrialization (Part III — Have Higher US Population, Consumption, and Newer Technologies Reduced Well-Being?)”, April 24,

<http://www.masterresource.org/2010/04/population-consumption-carbon-emissions-and-human-well-being-in-the-age-of-industrialization-part-iii-have-higher-us-population-consumption-and-newer-technologies-reduced-well-being/#more-9194>]

In my previous post I showed that, notwithstanding the Neo-Malthusian worldview, human well-being has advanced globally since the start of industrialization more than two centuries ago, despite massive increases in population, consumption, affluence, and carbon dioxide emissions. In this post, I will focus on long-term trends in the U.S. for these and other indicators. Figure 1 shows that despite several-fold increases in the use of metals and synthetic organic chemicals, and emissions of CO2 stoked by increasing populations and affluence, life expectancy, the single best measure of human well-being, increased from 1900 to 2006 for the US. Figure 1 reiterates this point with respect to materials use. These figures indicate that since 1900, U.S. population has quadrupled, affluence has septupled, their product (GDP) has increased 30-fold, synthetic organic chemical use has increased 85-fold, metals use 14-fold, material use 25-fold, and CO2 emissions 8-fold. Yet life expectancy advanced from 47 to 78 years. Figure 2 shows that during the same period, 1900–2006, emissions of air pollution, represented by sulfur dioxide, waxed and waned. Food and water got safer, as indicated by the virtual elimination of deaths from gastrointestinal (GI) diseases between 1900 and 1970. Cropland, a measure of habitat converted to human uses — the single most important pressure on species, ecosystems, and biodiversity — was more or less unchanged from 1910 onward despite the increase in food demand. For the most part, life expectancy grew more or less steadily for the U.S., except for a brief plunge at the end of the First World War accentuated by the 1918-20 Spanish flu epidemic. As in the rest of the world, today’s U.S. population not only lives longer, it is also healthier. The disability rate for seniors declined 28 percent between 1982 and 2004/2005 and, despite quantum improvements in diagnostic tools, major diseases (e.g., cancer, and heart and respiratory diseases) now occur 8–11 years later than a century ago. Consistent with this, data for New York City indicate that — despite a population increase from 80,000 in 1800 to 3.4 million in 1900 and 8.0 million in 2000 and any associated increases in economic product, and chemical, fossil fuel and material use that, no doubt, occurred —crude mortality rates have declined more or less steadily since the 1860s (again except for the flu epidemic). Figures 3 and 4 show, once again, that whatever health-related problems accompanied economic development, technological change, material, chemical and fossil fuel consumption, and population growth, they were overwhelmed by the health-related benefits associated with industrialization and modern economic growth. This does not mean that fossil fuel, chemical and material consumption have zero impact, but it means that overall benefits have markedly outweighed costs. The reductions in rates of deaths and diseases since at least 1900 in the US, despite increased population, energy, and material and chemical use, belie the Neo-Malthusian worldview. The improvements in the human condition can be ascribed to broad dissemination (through education, public health systems, trade and commerce) of numerous new and improved technologies in agriculture, health and medicine supplemented through various ingenious advances in communications, information technology and other energy powered technologies (see here for additional details). The continual increase in life expectancy accompanied by the decline in disease during this period (as shown by Figure 2) indicates that the new technologies reduced risks by a greater amount than any risks that they may have created or exacerbated due to pollutants associated with greater consumption of materials, chemicals and energy, And this is one reason why the Neo-Malthusian vision comes up short. It dwells on the increases in risk that new technologies may create or aggravate but overlooks the larger — and usually more certain — risks that they would also eliminate or reduce. In other words, it focuses on the pixels, but misses the larger picture, despite pretensions to a holistic worldview.

### Heidegger K

#### Our interpretation is that debate should be a question of the aff plan versus a competitive policy option or the status quo.

#### This is key to ground and predictablity – infinite number of possible kritik alternatives or things the negative could reject explodes the research burden. That’s a voting issue.

#### Their infatuation with ontology is politically debilitating – focusing on ontology divests politics of its emancipatory potential and devolves into a self-justifying cycle of never-ending critique.

Yar, Ph.D in the Department of Sociology at Lancaster University, 2k

[Majid, “Arendt's Heideggerianism: Contours of a `Postmetaphysical' Political Theory?,” Cultural Values, Volume 4, Issue 1, January, Available Online to Subscribing Institutions via Academic Search Complete]

Similarly, we must consider the consequences that this 'ontological substitution' for the essence of the political has for politics, in terms of what is practically excluded by this rethinking. If the presently available menu of political engagements and projects (be they market or social liberalism, social democracy, communitarianism, Marxism, etc.) are only so many moments of the techno-social completion of an underlying metaphysics, then the fear of 'metaphysical contamination' inhibits any return to recognisable political practices and sincere engagement with the political exigencies of the day. This is what Nancy Fraser has called the problem of 'dirty hands', the suspension of engagement with the existing content of political agendas because of their identification as being in thrall to the violence of metaphysics. Unable to engage in politics as it is, one either [a] sublimates the desire for politics by retreating to an interrogation of the political with respect to its essence (Fraser, 1984, p. 144), or [b] on this basis, seeks 'to breach the inscription of a wholly other politics'. The former suspends politics indefinitely, while the latter implies a new politics, which, on the basis of its reconceived understanding of the political, apparently excludes much of what recognizably belongs to politics today. This latter difficulty is well known from Arendt's case, whose barring of issues of social and economic justice and welfare from the political domain are well known. To offer two examples: [1] in her commentary on the U.S. civil rights movement in the 1950s, she argued that the politically salient factor which needed challenging was only racial legislation and the formal exclusion of African-Americans from the political sphere, not discrimination, social deprivation and disadvantage, etc.(Arendt, 1959, pp. 45-56); [2] Arendt's pronounceraent at a conference in 1972 (put under question by Albrecht Wellmer regarding her distinction of the 'political' and the 'social'), that housing and homelessness were not political issues, that they were external to the political as the sphere of the actualisation of freedom as disclosure; the political is about human self-disclosure in speech and deed, not about the distribution of goods, which belongs to the social realm as an extension of the oikos.[20] The point here is not that Arendt and others are in any sense unconcerned or indifferent about such sufferings, deprivations and inequalities. Rather, it is that such disputes and agendas are identified as belonging to the socio-technical sphere of administration, calculation, instrumentality, the logic of means and ends, subject-object manipulation by a will which turns the world to its purposes, the conceptual rendering of beings in terms of abstract and levelling categories and classes, and so on; they are thereby part and parcel of the metaphysical-technological understanding of Being, which effaces the unique and singular appearance and disclosure of beings, and thereby illegitimate candidates for consideration under the renewed, ontological-existential formulation of the political. To reconceive the political in terms of a departure from its former incarnation as metaphysical politics, means that the revised terms of a properly political discourse cannot accommodate the prosaic yet urgent questions we might typically identify under the rubric of 'policy'. Questions of social and economic justice are made homeless, exiled from the political sphere of disputation and demand in which they were formerly voiced. Indeed, it might be observed that the postmetaphysical formulation of the political is devoid of any content other than the freedom which defines it; it is freedom to appear, to disclose, but not the freedom to do something in particular, in that utilising freedom for achieving some end or other implies a collapse back into will, instrumentality, teleocracy, poeisis, etc. By defining freedom qua disclosedness as the essence of freedom and the sole end of the political, this position skirts dangerously close to advocating politique pour la politique, divesting politics of any other practical and normative ends in the process.[21]

#### Case outweighs: Let beings be allows waste currently stored on-site that culminates in extinction. Ontological concerns of Being are irrelevant in a world without Beings. Our impacts come first because thoughts about thinking are impossible without people to think them.

#### Permutation do both: Heideggerian releasement is an affirmative argument: we can establish a free relation to technology through thinking, so the action of the plan is not implicated by their link.

Godzinski 5(Ronald Jr., Southern Illinois University at Carbondale, “(En)Framing Heidegger’s Philosophy of Technology,” Essays in Philosophy, Vol. 6, No. 1, humboldt.edu/~essays/godzinski.html)

In a related vein, the previous claim that everything within the natural world gives itself over to us, as standing-reserve is, for Heidegger, a phenomenological claim. As a purely phenomenological claim, Heidegger is not making an evaluative assertion about the status of modern technology and our comportment toward things that are treated as standing-reserve. Perhaps following the regressive method that Husserl used in *The Crisis of European Sciences and Transcendental Phenomenology*, Heidegger presents us with a purely descriptive account of modern technology that seems to be value neutral. In truth, he acknowledges that technology is not intrinsically dangerous or evil.[17](http://www.humboldt.edu/~essays/godzinski.html#17) Even Heidegger’s infamous “Memorial Address”[18](http://www.humboldt.edu/~essays/godzinski.html#18) supports this idea:¶ For all of us, the arrangements, devices, and machinery of technology are to a greater or lesser extent indispensable. It would be foolish to attack technology blindly. It would be shortsighted to condemn it as the work of the devil.[19](http://www.humboldt.edu/~essays/godzinski.html#19) ¶ When understood within this particular context, Heidegger is neither praising nor demonizing modern technology. Of course the same would have to be said about technological objects that were purported to be intrinsically good, as well. Hence, the potential value that any technical device might have would be contingent upon its context of use. From a Heideggerian standpoint, it would be inappropriate to claim that any technical device is intrinsically good or evil.[20](http://www.humboldt.edu/~essays/godzinski.html#20) ¶ In “The Question Concerning Technology,” Heidegger makes the phenomenological observation that we master nature because we respond to nature’s call to requisition it. We do this primarily because this is how we have been *called* by Being. We use things as standing-reserve since they give themselves as standing-reserve—everything gives itself to be used. Even when we are not openly trying to master nature, Heidegger would nonetheless contend that we are still responding to its call. The revealing is not something that we do strictly on our own accord, without first hearing nature’s call. In this sense, we cannot be held accountable for modern technology, since this is something that just happens in the context of western culture: ¶ When man…reveals that which presences, he merely responds to the call of unconcealment even when he contradicts it. Thus when man, investigating, observing, ensnares nature as an area of his own conceiving, he has already been claimed by a way of revealing that challenges him to approach nature as an object of research, until even the object disappears into the objectlessness of standing-reserve. Modern technology as an ordering revealing is, then, no merely human doing.[21](http://www.humboldt.edu/~essays/godzinski.html#21) ¶ The challenge which directs us to order the self-revealing as standing-reserve, is nothing other than what Heidegger calls “enframing” [*Gestell*].[22](http://www.humboldt.edu/~essays/godzinski.html#22) Enframing, or *Gestell*, is the essence of modern technology. From Heidegger’s perspective, enframing is the way in which truth reveals itself as standing-reserve. We simply cannot avoid its influence or sway. One is already in a relationship with it, so it is not a matter of whether or not I will respond to it. Rather, it is a matter of how I will respond to it. More importantly, our response to the challenge that enframing emits, is neither completely predetermined nor free.¶ Heidegger recognizes that an authentic notion of freedom will be open to the essencing of technology. Thus, a genuine and free relationship to technology will be one that is open to the essencing of technology. This type of openness to the presencing of technology is called Gelassenheit, or releasement:¶ We can use technical devices, and yet with the proper use also keep ourselves so free of them, that we may let go of them at any time…. We can affirm the unavoidable use of technical devices, and also deny them the right to dominate us, and so to warp, confuse, and lay waste our nature…. I would call this comportment toward technology which expresses “yes” and at the same time “no,” by an old word, *releasement toward things*.[23](http://www.humboldt.edu/~essays/godzinski.html#23) ¶ In the movement of Gelassenheit, one enters into a free relationship with technology which is not founded upon domination and mastery.[24](http://www.humboldt.edu/~essays/godzinski.html#24) On the contrary, an authentic relationship to technology is one that is simply beyond our control.[25](http://www.humboldt.edu/~essays/godzinski.html#25) Paradoxically, a relationship which is exemplified by releasement continually uses things as standing-reserve, while avoiding the danger of being taken as standing-reserve, although Heidegger certainly keeps a watchful eye out for the ultimate danger that rests within the ordering of standing-reserve. That is, if we, ourselves, get ordered or dominated by the things that we in turn are trying to order and dominate, then we will encounter the danger, to the extent that the sending or presencing of Being gets closed off and concealed from us.[26](http://www.humboldt.edu/~essays/godzinski.html#26)

#### **Plan is a net benefit to the permutation.**

#### **a.) The very idea of housing in Yucca Mountain is the standing reserve mentality.**

Bloomfield and Vurdubakis, ‘5

[Brian and Theo (Centre for the Study of Technology and Organisation, Lancaster University Management School), “The secret of Yucca Mountain: reflections on an object in extremis”, Environment and Planning D: Society and Space 2005, volume 23, page 741]

The Yucca Mountain project has been officially trumpeted as the long sought after solution to nuclear waste, but for many others in US society (and beyond) the repository has a very different meaning. If Heidegger (1977) bemoaned what the siting of a hydroelectric plant had done to the Rhine, the technological revealing of nature as standing reserve, the outcry over Yucca Mountain by various US native peoples is no less notable. Indeed, for them the repository implies an act not of purification but, rather, one of defilement. Yucca Mountain has ``long been a place of powerful spiritual energy for the Shoshone and the Paiute. The water in the area is sacred, too, as it is with many desert peoples'' (http://www.sacredland.org/endangered sites pages/ yucca mountain.html). Further, Erikson observes: ``Shoshone and Paiute natives \_ see that whole tract as part of an ancient claim and view its use by federal agencies as `willful trespass'. They have been using Yucca Mountain for at least twelve thousand years ... . The very idea of injecting the most virulent poisons ever known into the body of a mountain seems to them an insult to the earth, an affront to ancestors, and a violation of natural good sense'' (1994, pages 208 ^ 209). Clearly, then, the object Yucca Mountain as well as the idea of turning it into a repository for nuclear waste are perceived within a variety of interpretative horizons. Their meaning and value are formed in relation to a number of different historical, cultural, economic, and political contexts.

#### **b.) SQUO treats atomic energy as an standing reserve, concealing the problems with waste. That’s 1AC Rawles.**

#### Heidegger’s privileging of ontology is complicit in atrocities.

Committee on Public Safety 96 (The writers subsume their individual names within the denomination of "Committee" in deference to the indivisibility of the work presented Levinasian Scholars "My Place in the Sun" Reflections On The Thought Of Emmanuel Levinas Diacritics 26.1 (1996) 3-10 Project Muse) TBC 7/7/10

At the heart of Levinas's critique of Heidegger is the reproof that the question of man has become submerged in the question of being, and thus that the recovery of the meaning of being entails the forgetting of the meaning of the human. Heidegger's Letter on Humanism (Brief über den Humanismus), published in 1947, in which he claims that "what is essential is not humanity, but being" [Brief 24] is offset by the title of Levinas's work, published in the same year, in which he shows how the anonymity of existence, or being, is redeemed only by the existent, or be-ing; hence, De l'existence à l'existant, from existence to the existent--denoting a sense of direction, lost needlessly in Lingis's translation of the title as Existence and Existents. Levinas depicts the anonymity of being through the il y a, in which the impersonality of the verb mirrors the subjectless horror of existence. The anonymity of the il y a is "saved" ultimately only through the face of the other for whom one is always inescapably responsible. It is not that Levinas retreats from the ontological (the domain of Sein or being) to the ontic (the domain of the Seienden or be-ings), or that he rejects being in favor of some pre-Heideggerian idealist notion of the subject. Rather, his emphasis on the passage from the bare meaning of être or existence to l'étant or existent gropes toward what finally comes to signify the ethical, whereby the anonymity of the infinitive is overcome by the priority of the participial being-for-another-existent and the subject deposed rather than posed [EI 50]. "I am wary of that debased word 'love,'" he remarks again to Nemo, "but the responsibility for the other, being-for-the-other, seemed to me, even at that time [1947], to put an end to the anonymous and senseless rumbling of being" [EI 51]. Only in the most practical and mundane of obligations to the other is ontology rendered ethical and humane. This horror invoked by the anonymous il y a is not to be confused with Heideggerian anguish before death, or care for being. Levinas describes how the original De l'existence appeared in a cover on which were inscribed the words "where it is not a question of anxiety" [EI 47]. One could scarcely ask for a more explicit derangement of fundamental ontology, in the light of a horror of the il y a which had become historically incarnated for him: "None of the generosity which the German counterpart of the 'there is,' the 'es gibt,' is said to contain was displayed between 1933 and 1945," he writes later [DL 375]. There is no mistaking his imputation of ideological implications of complicity between Heideggerian Sein and modern genocide. They are related, not by happenstance but as the fundamental possibility of each other. Invoking the Platonic concept of the good beyond being (epekeina ts ousias), Levinas contests the notion that nothingness is a privation of being and that evil is a privation of the good, insisting that evil itself is a positive mode of being. Being can be more primally terrible than simply not-being. In brief, the distance between Heideggerian ontology and Levinasian ethics can be measured by the difference between an inquiry into being qua being (ti to on) and an inquiry into humanity itself (ti bioteon)--a distance which, as Heidegger himself observes in his Letter [Brief 22], is paradoxically both farther away than any individual be-ing and yet nearer than any be-ing could ever be.

#### Vague alts bad and that’s a voting issue - the neg can shift the alt in the block and moot the 2AC, killing fairness.

### Ranciere K

#### CA Framework from Heidegger.

#### Ranciere’s dissensus is coopted– it fails to challenge the actual structures that sustain the State

Badiou 5 (Alain, a French philosopher, professor at European Graduate School, “Metapolitics,” p. 119-120, http://www.scribd.com/doc/20889656/7/Ranciere-and-Apolitics)

However,one will observe that Rancière avoids the word‘State’,preferring alternatives ofthe ‘society’ or ‘police’ type.Even less does he set out to consider the actual State, the onearound which parties, elections and, finally, ‘democratic’ subjectivity are organised. This State remains unnamed throughthe singular exercise ofthe counting ofparts,such as is prac-tised today. And yet, today, every real (non-philosophical) politics is first of all to be accounted for in terms of its verdicts on this State. It is quite paradoxical that Rancière’s critical thought breaks off just before the qualification,in respect ofthe political supple-ment,ofthe parliamentary State.And I suspect that it is aquestion for Rancière ofnever exposing himself,whatever thetrajectory ofhis argument,to the mortal accusation ofnot beinga democrat.Having endured the effects ofthis accusation for twenty yearsI can understand his speculative prudence.The trouble is that it is precisely here that the line of demarcation passes between the intellectual effectiveness of a free politics and the self-restraintofpolitical philosophy.Moreover,to establish a distance fromthe State so that a few prescriptions concerning it are possiblewould ofitselfdemand that one declares oneselfforeign bothto the parliamentary State and to electoral rite,as well as to theparties that are shaped by it.Short ofbringing about the practiceofsuch a declaration,Rancière transforms his reflections on the distance, the supplement, the interruption of counting and soon, into ideological motifs, which indicates that they are nothing if not purely and simply compatible with the logic of parliamentary parties.It is a bit like the way in which,throughout the finalphase oftheir existence,the PCF and its Trotskyist satellites wereable to handle the ‘revolutionary’ motifwhile merely mobilis-ing their troops for the local elections.It is not possible,andRancière’s suspended enterprise proves it,to determine the formal conditions for a politics beyond the State without everexamining how the question is posed for us ,whose task it is topursue the question in respect ofthe parliamentary State.

#### Permutation do both.

#### No link. The 1AC is a demand for radical equality for native Americans. We have to address their material structure in the status quo for effective politics and democracy. That’s 1AC Endres.

#### Our Native impact is a net benefit

#### The collective refusal to acknowledge the genocide of native community is tantamount to serial genocide. Neglecting their cultural diversity leads us on a path to extinction.

Friedberg, PhD Candidate, Germanic Studies, University of Illinois, 2k

(Lilian, “Dare to Compare,” *American Indian Quarterly*; Summer, Vol. 24 Issue 3, p. 353)

Attempts on the part of American Indians to transcend chronic, intergenerational maladies introduced by the settler population (for example, in the highly contested Casino industry, in the ongoing battles over tribal sovereignty, and so on) are challenged tooth and nail by the U.S. government and its "ordinary" people. Flexibility in transcending these conditions has been greatly curtailed by federal policies that have "legally" supplanted our traditional forms of governance, outlawed our languages and spirituality, manipulated our numbers and identity, usurped our cultural integrity, viciously repressed the leaders of our efforts to regain self-determination, and systematically miseducated the bulk of our youth to believe that this is, if not just, at least inevitable."[55] Today's state of affairs in America, both with regard to public memory and national identity, represents a flawless mirror image of the situation in Germany vis-hvis Jews and other non-Aryan victims of the Nazi regime.[56] Collective indifference to these conditions on the part of both white and black America is a poor reflection on the nation's character. This collective refusal to acknowledge the genocide further exacerbates the aftermath in Native communities and hinders the recovery process. This, too, sets the American situation apart from the German-Jewish situation: Holocaust denial is seen by most of the world as an affront to the victims of the Nazi regime. In America, the situation is the reverse: victims seeking recovery are seen as assaulting American ideals. But what is at stake today, at the dawn of a new millennium, is not the culture, tradition, and survival of one population on one continent on either side of the Atlantic. What is at stake is the very future of the human species. LaDuke, in her most recent work, contextualizes the issues from a contemporary perspective: Our experience of survival and resistance is shared with many others. But it is not only about Native people. ... In the final analysis, the survival of Native America is fundamentally about the collective survival of all human beings. The question of who gets to determine the destiny of the land, and of the people who live on it--those with the money or those who pray on the land--is a question that is alive throughout society.[57] "There is," as LaDuke reminds us, "a direct relationship between the loss of cultural diversity and the loss of biodiversity. Wherever Indigenous peoples still remain, there is also a corresponding enclave of biodiversity."[58] But, she continues, The last 150 years have seen a great holocaust. There have been more species lost in the past 150 years than since the Ice Age. (During the same time, Indigenous peoples have been disappearing from the face of the earth. Over 2,000 nations of Indigenous peoples have gone extinct in the western hemisphere and one nation disappears from the Amazon rainforest every year.)[59] It is not about "us" as indigenous peoples--it is about "us" as a human species. We are all related. At issue is no longer the "Jewish question" or the "Indian problem." We must speak today in terms of the "human problem." And it is this "problem" for which not a "final," but a sustainable, viable solution must be found--because it is no longer a matter of "serial genocide," it has become one of collective suicide. As Terrence Des Pres put it, in The Survivor: "At the heart of our problems is that nihilism which was all along the destiny of Western culture: a nihilism either unacknowledged even as the bombs fell or else, as with Hitler or Stalin, demonically proclaimed as the new salvation."

#### Overall, these extensions of genocidal carnage against native people are the root cause of violence and war

Paul Street, author, March 11, 2004.

[“Those Who Deny the Crimes of the Past Reflections on American Racist Atrocity Denial, 1776-2004,”

http://thereitis.org/displayarticle242.html]

It is especially important to appreciate the significance of the vicious, often explicitly genocidal "homeland" assaults on native-Americans, which set foundational racist and national-narcissist patterns for subsequent U.S. global butchery, disproportionately directed at non-European people of color. The deletion of the real story of the so-called "battle of Washita" from the official Seventh Cavalry history given to the perpetrators of the No Gun Ri massacre is revealing. Denial about Washita and Sand Creek (and so on) encouraged US savagery at Wounded Knee, the denial of which encouraged US savagery in the Philippines, the denial of which encouraged US savagery in Korea, the denial of which encouraged US savagery in Vietnam, the denial of which (and all before) has recently encouraged US savagery in Afghanistan and Iraq. It's a vicious circle of recurrent violence, well known to mental health practitioners who deal with countless victims of domestic violence living in the dark shadows of the imperial homeland's crippling, stunted, and indeed itself occupied social and political order. Power-mad US forces deploying the latest genocidal war tools, some suggestively named after native tribes that white North American "pioneers" tried to wipe off the face of the earth (ie, "Apache," "Blackhawk," and "Comanche" helicopters) are walking in bloody footsteps that trace back across centuries, oceans, forests and plains to the leveled villages, shattered corpses, and stolen resources of those who Roosevelt acknowledged as America's "original inhabitants." Racist imperial carnage and its denial, like charity, begin at home. Those who deny the crimes of the past are likely to repeat their offenses in the future as long as they retain the means and motive to do so.

#### The K is just a clever slogan that backfires because it REFUSES to challenge the state or the corporations that are stripping away democracy.

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(Wendy Brown is Emanuel Heller Professor of Political Science at the University of California, “We Are All Democrats Now ...”, Theory & Event, Volume 13, Issue 2, 2010 (Article))

Does the poor fit of popular rule with the contemporary age add up to a brief for abandoning left struggles for democracy and soliciting left creativity in developing new political forms? Does it, instead, demand sober appreciation of democracy as an important but always unreachable ideal? Ought we to affirm that democracy, like freedom, equality, peace and contentment, has never been realizable yet served and could still serve as a crucial counter to an otherwise wholly dark view of collective human possibility? Or perhaps democracy, like liberation, could only ever materialize as protest and especially today ought to be frankly and formally demoted from a form of governance to a politics of resistance. I am genuinely uncertain here. What I am sure of, however, is that this is not a time for sloganeering that averts our glance from a nearly overwhelming concert of de-democratizing powers. Encomiums from left philosophers and activists to "deepen democracy" "democratize democracy," "take back democracy" "pluralize democracy" or invest ourselves § Marked 17:54 § in a "democracy to come..." can only be helpful to the extent that they reckon directly with these powers. A continued concern with democracy amidst the many contemporary forces de-democratizing both the state and the soul demands confrontation with these powers as well as deep consideration of what constitutes minimal thresholds of democratic power sharing, whether and why we still believe in democracy, whether it is a viable form for the twenty-first century, and whether there are any non-chilling alternatives that might be more effective in holding back the dark. Is there some way to access the powers the people must control together for us to become even modestly self-legislating? Is the freedom promised by democracy something humans want or could be incited to want again? Is this freedom likely to yield the good for the world? What kind of territorial containment or boundaries does democracy require and, if these are not available, is democracy still possible? Are such boundaries at odds with appreciation of increasingly globalized problems and with visions of global justice or global citizenship? If we were to arrive at answers to these questions, there still remains the most difficult one: how the demos itself could identify and reach for the powers to be handled in common if democracy is to become anything more than a gloss of legitimacy for its inversion.