

PUBLIC SUBMISSION

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| As of: 11/29/17 8:36 AM |
| Received: November 26, 2017 |
| Status: Pending_Post |
| Tracking No. 1k1-900g-4vvy |
| Comments Due: December 18, 2017 |
| Submission Type: Web |

Docket: NRC-2011-0012
Low-Level Radioactive Waste Disposal

Comment On: NRC-2011-0012-0190
Low-Level Radioactive Waste Disposal; Reopening of Comment Period for Draft Regulatory Analysis

Document: NRC-2011-0012-DRAFT-0202
Comment on FR Doc # 2017-25341

Submitter Information

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General Comment

Regulatory reform should be on importing from china where Dirty and Environmentally Dangers of Electric car and Windfarm Magnets material are mined and made: China controls 98% of current supply production Neodymium magnets which are used as important component in large equipment that requires powerful magnetic fields, such as wind farm turbines and electric cars. Neodymium is mostly dangerous in the working environment, This can cause lung embolisms during exposure. Neodymium can be threat to the liver .. Issues include monopolistic supply conditions, environmentally unsustainable mining practices, Neodymium is found in monazite and bastnaesite and is difficult to isolate neodymium. Process involves extracting the lanthanides and metals out of the ores in their salt form using Sulphur acid, hydrochloric acid, and sodium hydroxide. Then to get neodymium from other metals the procedures use solvent extraction and ion exchange. Once neodymium reduced to its fluoride form , it can be reacted with pure calcium metal to form pure neodymium and calcium fluoride..It is an expensive and potentially environmentally harmful process. The process used to extract neodymium: it has an appalling environmental impact that raises serious questions over the credibility of so-called green technology. we should recognize the environmental destruction in using Electric Cars. Baotou, China's rare earth

capital, where one lake is saturated with chemical toxins, and air is filled with Greenhouse Gas. What should be tell our child , as we go done the path of Dirty Electric Cars ??