

Gallagher, Carol

From: Mark Muhich <markmuhich0@gmail.com>
Sent: Monday, January 04, 2016 9:25 PM
To: Danna, James; Keegan, Elaine; Gallagher, Carol
Subject: [External_Sender] FERMI 2 @ License Renewal D=NRC-2014-0109

RE Thyroid Cancer

The Emergency Planning Zone surrounding FERMI 2 should be expanded to a radius of 50 miles with regard to the free distribution of Potassium Iodide (KI) in the event of a radiological accident at FERMI 2.

The American Thyroid Association "strongly recommends" that people living within 50 miles of any nuclear power plant be provided free and pre-distribution of Potassium Iodide as a prophylactic against absorption of radio-active iodine by the Thyroid gland immediately after a nuclear accident.

The current Emergency Planning Zone of 10 miles designated by the Nuclear Regulatory Commission is, according to the American Thyroid Association, woefully inadequate.

http://www.thyroid.org/wp-content/uploads/patients/brochures/NuclearRadiation_brochure.pdf

There are now 4.8 million people living within 50 miles of FERMI 2, according to the US Census 2010 report. Many of these people are children who are most vulnerable to exposure to radioactive iodine should a nuclear accident occur a FERMI 2.

Given the huge medical and society costs associated with the thyroid cancers resulting from the 1986 Chernobyl catastrophe, and given the high degree of effectiveness of Potassium Iodide in blocking absorption of radio active iodide by the Thyroid Gland, and given the very low cost of KI pills (about \$0.10 per dose) it makes only common sense to pre-distribute for free KI pills to anyone residing within 50 miles of FERMI 2.

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