

March 7, 2007

Kirksey E. Whatley, Director  
Office of Radiation Control Alabama Department of Public Health  
P.O. Box 303017-3017  
Montgomery, AL 36130-3017

Dear Mr. Whatley:  
(See attached identical letters list)

The purpose of this letter is threefold: (1) to announce the availability of an additional dosage form of liquid potassium iodide (KI) to protect the thyroid gland from uptake of radioactive iodine; (2) to transmit correspondence from the Food and Drug Administration (FDA) regarding shelf-life extension of existing KI stockpiles; and (3) to provide updated NRC Commission guidance to staff on replenishment of KI stockpiles (SRM ML070590742).

On January 12, 2005, the FDA approved ThyroShield™ (KI Oral Solution, USP) 65 mg/mL oral solution. The oral solution is the first to be developed specifically for children, although it is suitable for adult use. One milliliter (mL) of the solution contains 65 mg of KI in a palatable black raspberry-flavored solution providing easy, emergency-ready dosing for individuals ranging from infants to adults. ThyroShield™ is designed for easy administration of the liquid KI utilizing a graduated eyedropper. ThyroShield™ is provided in one ounce (30 mL) bottles that provide up to 30 pediatric doses of KI per bottle or 15 adult doses. Specific dosing instructions for children, based on the child's age and weight, are included in the consumer product information sheet that accompanies the bottles. All ThyroShield™ bottles are packaged in such a way as to provide "child proof" access to the product.

The Nuclear Regulatory Commission (NRC) in cooperation with the Department of Health and Human Services (HHS), Office of Public Health Emergency, offered a supply of liquid KI to States in 2005 for use by the pediatric population. The NRC and HHS are again making available ThyroShield™ to all eligible States and Federally-recognized Tribal Governments. This offer is expanded in scope from the previous offer. States may request sufficient supply of ThyroShield™ for each household, hospital(s), school(s), daycare center(s), and other pertinent facilities in the 10-mile Emergency Planning Zone(s).

If you are interested in this offer and would like to either add to your current KI stockpiles or to request KI for the first time, please provide your request in writing to Nader Mamish, Deputy Director, Division of Preparedness and Response, Mail Stop O6H2, U.S. NRC, Washington, D.C. 20555. Your letter must include the following information: The nuclear power plant (NPP) site(s); the number of 30 mL (30 cc) bottles of ThyroShield™ requested; the contact person authorized to receive the KI; and the 'Ship to' address for KI delivery. Upon receipt of this information, the NRC will make arrangements for HHS's contractor to ship KI directly to your designated contact/address. You may also fax your request to 301-415-2968.

We request that a single submittal for KI be provided by each State and Federally-recognized Tribal Government. If decisions about emergency planning and the use of KI are the responsibility of local, rather than State authorities, we request that the State consolidate the local requests and forward the consolidated request covering all NPPs within the State to the NRC.

NRC has recently received inquiries from States regarding shelf-life extension of existing stockpiles. Some States have contacted FDA directly to extend the shelf-life of existing stockpiles. To assist States in their decision process, NRC contacted FDA for guidance on shelf-life extension. As a result, FDA forwarded a letter to NRC for dissemination to States regarding extension of KI stockpiles. The FDA letter provides the basis upon which the State may extend the shelf-life of its stockpiles and the information that must be maintained to support the extension decision. However, the final decision to apply shelf-life extension to KI stockpiles remains a State decision. This letter is enclosed for your consideration and use. Additional information about NRC's KI policy can be found on NRC's web site at: <http://www.nrc.gov/what-we-do/emerg-preparedness/protect-public/potassium-iodide-use.html>.

In a Staff Requirements Memorandum (SRM - COMSECY-07-0002 - POTASSIUM IODIDE REPLENISHMENT) the Commissioners directed the staff to continue its efforts to replenish KI for those States that have expressed a need for either complete or partial replenishment. This memorandum is enclosed for your information.

If you have any questions about shelf-life extension or the liquid KI offer, please contact Patricia Milligan, Office of Nuclear Security and Incident Response, Division of Preparedness and Response, by telephone at 301-415-2223 or by e-mail at [pxm@nrc.gov](mailto:pxm@nrc.gov).

Thank you for your consideration of this important issue.

Sincerely,

*/RA/*

Roy P. Zimmerman, Director  
Office of Nuclear Security and Incident Response

Enclosures:  
As stated

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Sincerely,

*/RA/*

Roy P. Zimmerman, Director  
Office of Nuclear Security and Incident Response

Enclosures:  
As stated

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NAME	PMilligan*	NMamish*	MLeach*	RZimmerman
DATE	2/26/07	2/27/07	2/28/07	3/07/07

**OFFICIAL RECORD COPY**

Identical Letters Sent to:

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