



June 26, 2006

Jim Schmidt, CHP  
Nuclear Materials Safety Branch  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Region 1  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1475

J-8

2006 JUN 28 AM 11:10  
RECEIVED  
REGION 1

Re: License 37-20826-02, Waste Blending

Dear Mr. Schmidt: 03030666

In view of the approaching cut-off date for out-of-compact use of Barnwell in 2008 and subsequent loss of disposal access for Class B and Class C wastes, Alaron would like to be able to offer waste mixing services that would blend Class B or C waste with Class A waste with the resulting mixture being Class A.

The NRC's Branch Technical Position on Concentration Averaging and Encapsulation (BTP) issued January 17, 1995, paragraph 3.1 states in part that "Under the guidance in this position, the classification of a mixture, using the sum of the fractions rule specified in 10 CFR 61.55, should be based on ... the volumetric- or weight-averaged nuclide concentrations of the mixture, provided that the concentrations of the individual waste type contributors to the mixture are within a factor of 10 of the average concentration of the resulting mixture."

1. Please confirm that it is within the intent of the BTP that such mixing could be used to blend Class B or C wastes with Class A to produce a Class A waste.
2. Please confirm that mixing to dilute from Class B or C down to A (even when the concentrations of the individual waste type contributors to the mixture are greater than a factor ten of the average concentration of the resulting mixture) is within the intent of the BTP (or authorized per paragraph 3.9, Alternative Provisions) as long as the resulting mixture is homogenous with respect to waste type and activity concentration.

Should you have any questions or need further information, please contact me (email [harversonj@alaron-nuclear.com](mailto:harversonj@alaron-nuclear.com), telephone 724-535-5777 extension 234), or our health physicist, Jonathan Wallace ([wallacej@alaron-nuclear.com](mailto:wallacej@alaron-nuclear.com), 724-535-5777, ext 214).

Sincerely,  
  
Joseph Harverson  
President

139125  
NMCC/RONI MATERIALS-002

REC'D IN LAT

This is to acknowledge the receipt of your letter/application dated

6/26/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Notification 37-20826-02  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139125.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.