



**INTERSTATE NUCLEAR SERVICES**  
A DIVISION OF UNIFIRST CORPORATION

May 29, 1992

Mr. Ronald R. Bellamy, Chief  
Nuclear Materials Safety Branch  
Division of Radiation Safety and Safeguards  
US NRC Region I  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1415

Docket No. 030-20934

License No. 37-23341-01

Dear Mr. Bellamy,

As requested in your May 13, 1992 letter, enclosed is a copy of a pathway analysis performed for our facility in Morris, Illinois. The document, "Radiological Impacts of Effluent Releases to the Atmosphere and Sanitary Sewer from Interstate Nuclear Services", was prepared in May, 1991 using generally accepted models. We do not require the document be withheld from public disclosure. The analysis examined twelve possible pathways to the maximally exposed human receptor and incorporated site-specific data wherever possible. For conservatism, all doses were calculated using the most limiting dose conversion factor for each nuclide studied.

As agreed at the meeting held on February 25, 1992, your staff will review the analysis and provide comments to us so that we may apply the model to future pathway analyses. We are especially anxious to receive those comments as we will likely perform a pathway analysis in conjunction with a direct discharge NPDES permit that we are currently seeking for the Royersford location.

We appreciate your cooperation in this matter. If there are any questions concerning the pathway analysis, please contact either Ira Turner of my staff or myself at the number below.

Sincerely,

Michael J. Bovino, CHP  
Manager, Health Physics and Engineering

cc: G. Bakevich  
file

170115

9204140064 1P.

NOV 1992 REGION I COPY

RETURN ORIGINAL TO  
REGION I

11  
IE:07