



GPU Nuclear Corporation

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Writer's Direct Dial Number:

February 18, 1986

Mr. John A. Zwolinski, Chief
Operating Reactors Branch No. 5
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Disposal of Contaminated Concrete

The purpose of this letter is to submit for your approval the isotopic analysis of recent core borings taken from concrete block during the decontamination of our Old Radwaste Building. As you are aware, your approval will allow GPUN to dispose of a significant amount of concrete in a local landfill rather than a Radwaste Disposal Facility. GPUN has committed to follow the requirements of NRC Reg. Guide 1.86 which has met with your approval. We are of the opinion that the attached isotopic analysis which was performed by Science Applications International Corporation is within the limits of Table 1 of that Reg. Guide. However, prior to the expenditure of significant outlays in both manhours and resources in performing additional decontamination, we are seeking your approval of these first survey results, at your earliest convenience.

Should you have any questions, please contact Brenda Hohman, Oyster Creek Licensing Engineer at (609)971-4642.

Very truly yours,

Peter B. Fiedler
Vice President and Director
Oyster Creek

PBF/BH/dam(0490A)
Attachment

cc: Dr. Thomas E. Murley, Administrator
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

8602240241 860218
PDR ADOCK 05000219
PDR

NRC Resident Inspector
Oyster Creek Nuclear Generating Station
Forked River, NJ 08731

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CORRECTED COPY

This report replaces REPORT DATED 10-09-85 which
should be marked VOID or DESTROYED !

RADIOACTIVE SAMPLE ANALYSIS

Plant Name : OYSTER CREEK Unit 1
Sample Type : CONCRETE CORE SAMPLE
Reference Date (mm-dd-yy) : 05-30-85
Plant Sample ID : B5-B509 RWST
SAIC Sample # : 11B35
Analysis Reporting Date : 24-JAN-86
Sample weight (gms) : 72.8958

Measured Concentration (uCi/gm)			Measured Concentration (uCi/gm)		
<u>Nuclide</u>	<u>Value</u>	<u>% Uncer.</u>	<u>Nuclide</u>	<u>Value</u>	<u>% Uncer.</u>
Gross Alpha	<1.5E-06		140-Ba/La	<5.3E-07	
Gross Beta	1.77E-05	7	141-Ce	<4.5E-04	
3-H	<2.9E-05		144-Ce/Pr	<7.3E-05	
14-C	9.7E-07	45	237-Np+242Pu	<2.6E-08	
51-Cr	<1.9E-06		238-Pu	7.5E-08	62
54-Mn	<2.2E-07		239, 240-Pu	<2.0E-08	
55-Fe	1.6E-05	18	241-Pu	1.3E-05	37
57-Co	<1.0E-07		241-Am	<2.9E-08	
58-Co	<2.4E-07		242-Cm	4.7E-08	60
59-Fe	<6.7E-07		243, 244-Cm	<3.2E-08	
59-Ni	<1.1E-04				
60-Co	1.7E-05	12			
63-Ni	<1.8E-05				
65-Zn	<6.7E-07				
89-Sr	<1.9E-06				
90-Sr	6.3E-06	12			
95-Nb	<3.0E-07				
95-Zr	<4.2E-07				
99-Tc	<7.2E-07				
106-Ru/Rh	<1.5E-06				
110m-Ag	<3.3E-07				
124-Sb	<2.5E-07				
125-Sb	<1.4E-06				
129-I	<3.3E-06				
131-I	<9.0E-07				
134-Cs	<1.6E-07				
137-Cs	6.5E-06	14			