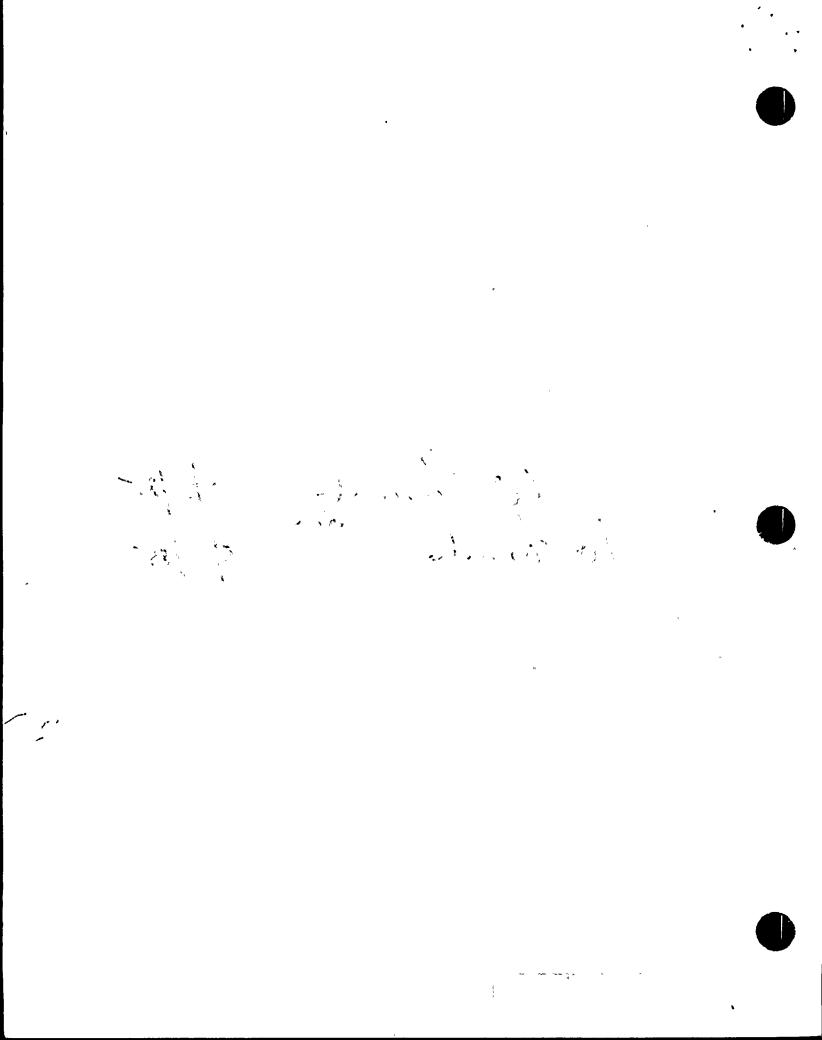
## U.S. NUCLEAR REGULATORY COMMISSION REGION I

Report No. 50-220/85-08
Docket No50-220
License No. <u>DPR-63</u> Priority <u>-</u> Category <u>C</u>
Licensee: Niagara Mohawk Power Corporation
300 Erie Boulevard West
Syracuse, New York 13202
Facility Name: Nine Mile Point Nuclear Power Plant, Unit 1
Inspection At: Barnwell, South Carolina
Inspection Conducted: May 6 and 7, 1985
Report Prepared by: (9 ) (3 ) (5) (5) (5) (5) (5) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6
Approved by:  W. Pasciak, Chief, BWR Radiological Protection Section, Emergency Preparedness and Radiological Protection Branch
Inspection Summary:

Inspection on May 6, 1985, by a Representative of the State of South Carolina Department of Health and Environmental Control

Areas Inspected: Niagara Mohawk Power Corporation was the originator of a waste shipment which was inspected at the Chem-Nuclear Systems, Inc., burial site in Barnwell, South Carolina.

Results: One violation was identified (external non-fixed radioactive contamination was in excess of regulatory limits).



## DETAILS

On May 4, 1985, Niagara Mohawk Power Corporation shipped 2.6 curies of byproduct material, designated as Radioactive Material, LSA, n.o.s., in the form of solidified waste. The shipment was made by an Exclusive Use Carrier on a tractor-trailer containing Cask Model No. 14-215-H5. On May 6, 1985, a representative of the South Carolina Department of Health and Environmental Control (SCDHEC) inspected the shipment. The inspection consisted of a review of shipping papers, placarding, marking and labeling, radiation measurements, selective contamination surveys and examination of the packages and the vehicle. On May 7, a representative from the SCDHEC performed additional contamination surveys.

A copy of the report prepared by the representative is enclosed. The report indicates that the shipment had external contamination levels in excess of the allowable limits specified by 10 CFR 71.87(i)(2).

10 CFR 71.87(i)(2) requires that the non-fixed radioactive contamination on packages transported as exclusive use shipments by rail or highway only must not exceed ten times the levels prescribed in paragraph (i)(1). Specifically, the maximum permissible contamination limit is ten times 22 dpm/cm $^2$  or 22,000 dpm/100 cm $^2$  for beta-gamma emitting radionuclides.

According to a SCDHEC representative, radioactive contamination levels up to approximately 150,000 dpm/100  $\rm cm^2$  were detected. This is in excess of regulatory limits and represents a violation of the regulations.

The Niagara Mohawk Power Corporation Station Superintendents was informed of this apparent violation of NRC requirements in a telephone conversation with Dr. Walter J. Pasciak of the Region I Office on May 20, 1985.

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Bureau of Radiological Health
Division of Radioactive Material Licensing and Compliance

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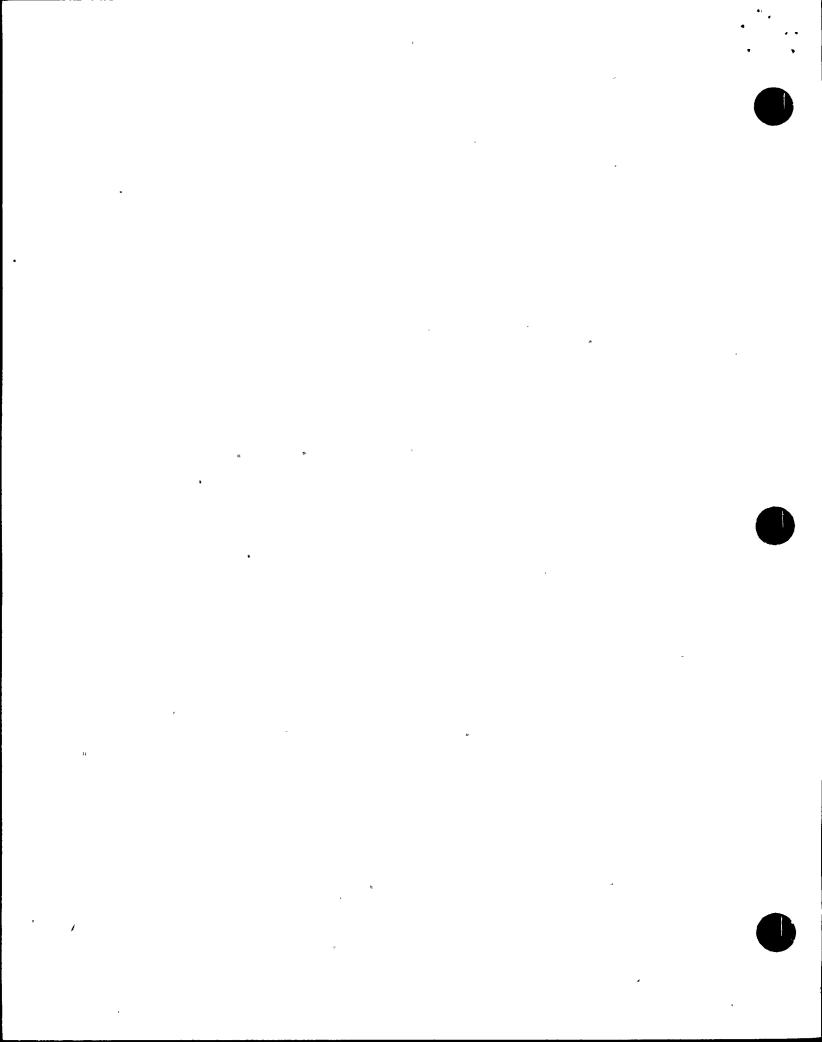
' May 6, 1985 s/Richard S. Sappington Inspector's Signature

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## SMEAR RESULTS

CNSI R	esults (DPM)/100 cm2	DEI	#Ç	Results (DP	M)/100 ca	2
#1	11.34	•	<b>#</b> 1	2827.02	-	
#2	244,68	,	2	3541.63		
<b>♦</b> 3	13,493.62		13	320.06	2	
#4	23.36	•	<b>‡</b> 4	386.59		
<b>#5</b>	18.47	,	15	14,745		
<b>\$</b> 6	39.85		<b>1</b> 6	157,473.48		,
<b>#7</b>	32,32	•	<b>‡</b> 7	<b>222</b> Ó		
<b>∳</b> 8	42.50	•	₽8	65,556.63		
<b>‡9</b>	59.20					
#10	22.34	•				
#11	3177.53					
#12	7059.20	3				
<b>‡13</b>	13,914.6	•			-	
<b>‡14</b>	49.02	4			•	
<b>#15</b>	2.99	-		••		
<b>#16</b>	36,647				•	

Additional Smear Results in excess of limits obtained by CNSI are not available for confirmation. CNSI reports high results of 40, 149 dpm/100 cm.

