



UNION CARBIDE CORPORATION

SPECIALTY CHEMICALS DIVISION

P.O. BOX 670, BOUND BROOK, NJ 08805

TELEPHONE (201) 356-0000

U. S. N.R.C.
Region 1
631 Park Ave.
King of Prussia, Pa. 19406

June 14, 1985

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p8

ATT: Dr. John E. Glenn Mail Cntrl # 103695

Dr. Glenn:

The attached is information you requested for processing the application for amendment to license # 29-01348-10. If any further information or clarification is necessary, I can be reached at the above address or by calling (201) 356-8000, extension 2037.

Sincerely,

Jay D. Keough
Radiation Protection Officer

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REG1 LIC30
29-01348-10 PDR

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"OFFICIAL RECORD COPY"

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- 1) Americium 241 source: NDC SYSTEMS Model 103RHL Thickness monitoring gage.

Cesium 137 source : Texas Nuclear Model 5192 holder

- 2) R.G Angell, who is responsible for the source, was trained by Mr. Charles Gatt of NDC Corp. Said training was given at the time of installation and consisted of instructions covering operation and safety aspects of the gage as detailed in NDC Systems Model 100 series manual.
- 3) The repairs and other service of the gage will be performed by Mr. Charles Gatt of NDC Corp.
- 4) The location of the source in the process does not allow an individual to be exposed by radiation from the gage. However, a shield is closed whenever the source is not in use.
- 5) The facility we are adding to conduct tracer studies is located in the same building as the majority of R&D activities; the RPO's office is located in the same building.
- 6) All effluent water released to the sewer system will be passed through activated carbon filters to partially remove residual C-14. Liquid scintillation counting will be used to determine the amount of C-14 remaining in the wastewater. It will not be discharged if the level is above 30% over background. Lab background levels in the past have been in the area of 25 counts per minute. We plan to discharge about 25 gallons of water approximately three times per year. Thorough records of wastewater testing and disposal will be kept by the operating dept. and by the R.P.O.