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SEP 20 1979

SGML:JB
70-687

NOTE TO: J. G. Partlow
FROM: J. Blaylock
THRU: R. A. Brightsen
SUBJECT: LICENSING STATUS OF UNION CARBIDE LICENSE NO. SNM-639

The Union Carbide, Tuxedo, New York facility is dedicated to the production of radio-pharmaceuticals. All operations are housed in one building; processing areas have been divided into four MBAs. This facility is running at full capacity. Throughput of SNM amounts to about two kilograms of SNM per month.

The reactor used for producing the radio-pharmaceuticals is the bottleneck in the present operation. NASA has an inactive 50MW reactor at Plumbrook, Ohio; unofficially UC approached NASA about purchasing this reactor.

UC has been sending the irradiated SNM to burial. It has become economically beneficial to recover this material; UC is now in the process of designing and constructing equipment in Hot Cell #5 to remove most of the fission products. The material will then be sent to Savannah River for recovery. The initial runs of irradiated material should begin in October; UC is aware that a description of this operation must be submitted prior to use.

Plans

UC has not yet consolidated current 10 CFR 70.51 requirements into the FNMC Plan. There are no amendments on hand to be incorporated into the Plan.

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Anticipated Amendments

- . UC must submit a description of the fission product stripping operation prior to use.
- . UC should be encouraged to consolidate current 10 CFR 70.51 plans into the FNMC Plan.

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J. Blaylock
Commercial Fuel Facilities Section

9/19/79

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