

AUG 16 1990

Syncor Corporation
ATTN: Nick Campolongo, R.P.H.
Radiation Protection Officer
5225 Creek Road
Blue Ash, OH 45242

License No. 34-18309-01MD
Docket No. 030-14827

Gentlemen:

This refers to the routine safety inspection conducted by Messrs J. R. Mullauer, G. M. McCann and C. Y. Sun of this office on July 18, 1990, of activities authorized by NRC Byproduct Material License No. 34-18309-01MD and to the discussion of our findings with you at the conclusion of the inspection and our telephone conversation with Frank Comer on July 24, 1990.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of a selective examination of procedures and representative records, observations, independent measurements, and interviews with personnel.

During this inspection, certain of your activities appeared to be in violation of NRC requirements, as specified in the enclosed Notice. A written response is required.

In addition, our inspectors expressed concern over the following items:

(1) Your bioassay records do not contain consistent information. Specifically, assay of the same calibration source used to determine the efficiency of your counting system prior to performing bioassays varied significantly on June 6, 1990, a capsule was counted three times and the results were 74136 cpm, 45477 cpm and 74224 cpm. (2) Air concentrations appear to exceed MPC in unrestricted areas on days when I-131 capsules are compounded. For example, in January 1990, air concentration was $1.28\text{E-}10$ $\mu\text{Ci/ml}$ and $2.0\text{E-}10$ $\mu\text{Ci/ml}$. In February 1990, air concentration was $1.56\text{E-}10$ $\mu\text{Ci/ml}$. Although these are not violations when averaged over a period of one year, we are concerned that there are no controls at the point of release to prevent personnel who may be in the vicinity from receiving a significant uptake of I-131. (3) The personnel radiation monitor used by drivers prior to exiting the restricted area was on the x100 scale rather than a more sensitive scale. (4) The key to the waste storage room was found in the door of the storage room and the inspectors were informed that the key is typically left in the door throughout the day. In your response to the Notice of Violation, please address each concern to preclude any misunderstanding our inspectors may have had regarding these matters.

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In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, the enclosures, and your response to this letter will be placed in the NRC Public Document Room.

The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

George M. McCann, Chief
Nuclear Materials Safety
Section 1

Enclosure: Notice of Violation

cc w/enclosure:
Richard Keesee,
Syncor Corp.
Frank Comer
Syncor Corp.
DCD/DCB (RIDS)

RIII

Mullauer/sd

RIII

McCann