



DLD Copy
Licensing has
original

Our Lady of Mercy Hospital

U.S. Highway 30 Dyer, Indiana 46311-1799 (219) 865-2141

October 4, 1989

U.S. Nuclear Regulatory Commission
Region III - Material Licensing
799 Roosevelt Road
Glen Ellyn, IL 60137

63001 6/16

Subject: 13-12914-01 License

Dear Sir:

This letter is in reference to the routine safety inspection of our facility on August 30, 1989. During this inspection you found two Level IV violations. These included: 1. "ventilation rates in areas where radioactive gas is used has not been measured since January, 1989." and 2. Our license states we are limited to 2 (two) sources of 14 millicuries of Americium - 241, contrary to this we possess three sources.

Violation 1 - Ventilation rates were performed on September 11, 1989, a copy of which is attached. The Ventilation rate determination shall be added to our monthly Quality Control program to ensure further compliance. As of September 11, 1989 we are under full compliance in this area.

Violation 2 - The additional Americium - 241 source needs to be added to our license. Attached please find the \$120.00 necessary for the amendment change. Our possession limit for Americium should be 3 (three) sources not to exceed 14 millicuries each.

Thank you for your consideration in this matter and should you have any questions regarding this please contact me.

Sincerely,

Kathy Curiel
Assistant Manager
Nuclear Medicine Department

Enc: Ventilation Rates
Amendment Fee

cc: Dr. Hirsch
R. Buchler
N. Lembares
Radiation Safety Committee File

RECEIVED

OCT 17 1989

REGION III

CONTROL NO. 88074

OCT 17 1989

8911030082 891027
REG3 LIC30
13-12914-01 PDC

NUCLEAR MEDICINE VENTILATION TEST REPORT

Camera Room Number ? Tested by (Sig.) Low Sutton

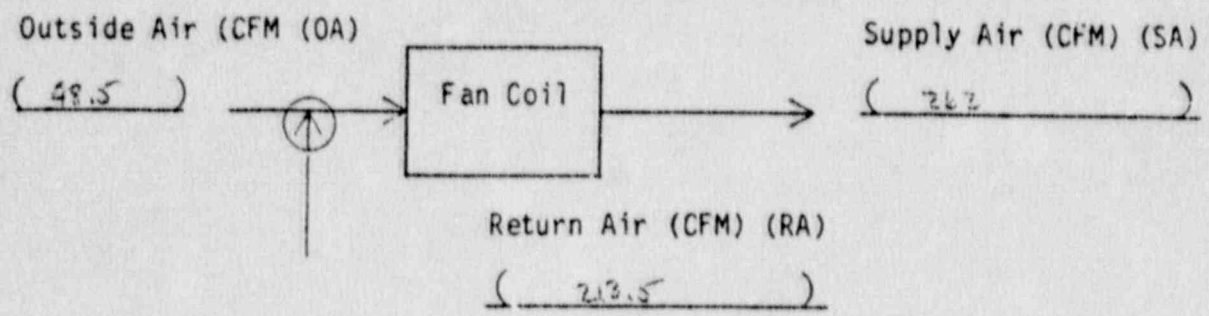
Time 2:30 Date 9-11-59

GENERAL DATA

FAN
Make <u>CARRIER</u>
Size <u>42CE-2</u>
Type <u>FAN COIL</u>

SOURCE	REQUIRED CFM	ACTUAL CFM	PERCENT OF DESIGN
OA	<u>50</u>	<u>48.5</u>	<u>97%</u>
SA	<u>262</u>	<u>262</u>	<u>98%</u>
RA	<u>217</u>	<u>213.5</u>	<u>98%</u>
EA	<u>100</u>	<u>98.5</u>	<u>98%</u>

Exhaust Air (CFM) (EA) Exhaust Grille



SA - RA = OA

262 - 213.5 = 48.5

EA - OA = CFM POS/NEG Relationship

98.5 - 48.5 = 50 NEG (Note relationship POS or NEG)

Instrument Used 110-5000 80 ALNOK

Comments NO ADJUSTMENTS MADE

- Legend: OA - Outside Air
 SA - Supply Air
 RA - Return Air
 EA - Exhaust Air

NOTE: All camera rooms must be maintained negative in relation to the surrounding spaces. Perform test with room door shut. Minimum negative relationship should be 25 CFM.

NUCLEAR MEDICINE VENTILATION TEST REPORT

Camera Room Number 2 Tested by (Sig.) Low Sutter

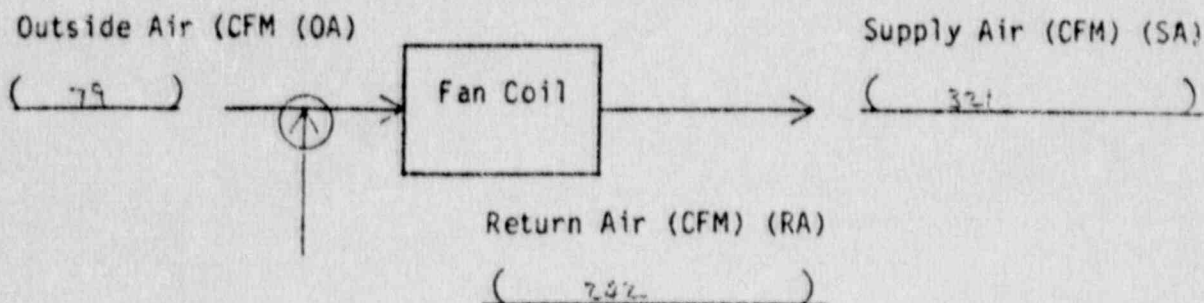
Time 2:5 Date 9-11-89

GENERAL DATA

<u>FAN</u>
Make <u>CARRILL</u>
Size <u>020E-4</u>
Type <u>FAN COIL</u>

SOURCE	REQUIRED CFM	ACTUAL CFM	PERCENT OF DESIGN
OA	80	79	99%
SA	322	321	100%
RA	242	242	100%
EA	120	118	98%

Exhaust Air (CFM) (EA) Exhaust Grille



SA - RA = OA

321 - 242 = 79

EA - OA = CFM POS/NEG Relationship

118 - 79 = 39 NEG (Note relationship POS or NEG)

Instrument Used Flow Hood ALVAC

Comments NO ADJUSTMENTS MADE

Legend: OA - Outside Air
 SA - Supply Air
 RA - Return Air
 EA - Exhaust Air

NOTE: All camera rooms must be maintained negative in relation to the surrounding spaces. Perform test with room door shut. Minimum negative relationship should be 25 CFM.

CONTROL NO. 88074

NUCLEAR MEDICINE VENTILATION TEST REPORT

Camera Room Number 4 Tested by (Sig.) Low Sattin

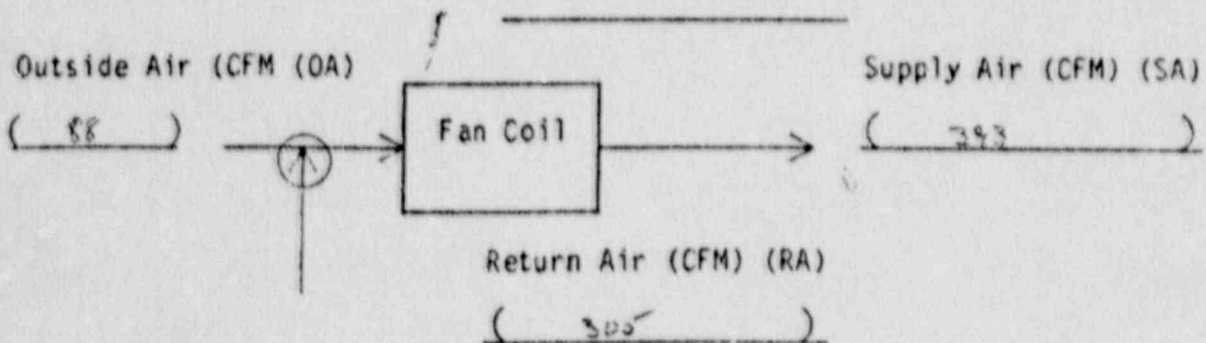
Time 3:5 Date 9-11-89

GENERAL DATA

FAN
Make <u>PACKER</u>
Size <u>42CF-5</u>
Type <u>FAN COIL</u>

SOURCE	REQUIRED CFM	ACTUAL CFM	PERCENT OF DESIGN
OA	90	88	95%
SA	396	393	99%
RA	306	305	100%
EA	180	138	99%

Exhaust Air (CFM) (EA) Exhaust Grille



SA - RA = OA

393 - 305 = 88

EA - OA = CFM POS/NEG Relationship

138 - 88 = 50 NEG (Note relationship POS or NEG)

Instrument Used Flow Hood BLUER

Comments NO ADJUSTMENTS MADE

Legend: OA - Outside Air
 SA - Supply Air
 RA - Return Air
 EA - Exhaust Air

NOTE: All camera rooms must be maintained negative in relation to the surrounding spaces. Perform test with room door shut. Minimum negative relationship should be 25 CFM.

CONTROL NO. 88074