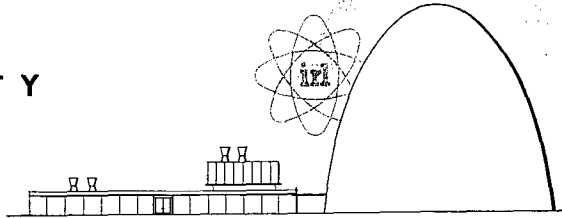


COLUMBIA UNIVERSITY
c/o Industrial Reactor Laboratories, Inc.
Plainsboro, New Jersey



DOCKET NO. 50-17
File g.

SWinburne 9-1800

8 May, 1961

United States Atomic Energy Commission,
Washington, 25, D. C.

Attention: Mr. R. Lowenstein, Acting Director
Division of Licensing and Regulation

Subject: Information Relative to Amendment Application for
Stack Dilution Factor

Reference: Amendment Application, dated 1 December, 1960 from
Industrial Reactor Laboratories, Inc. and Columbia
University.

Gentlemen:

Submitted herewith is information correcting certain computational errors appearing in Attachment I of the above reference. The revised computations indicate a larger dilution, by a factor of about 6, than had been presented so that the requested dilution factor is that much more conservative. No change in the requested dilution factor is being made at this time.

Referring to page 1 of the above referenced attachment, the symbol Q in Equation (2) should have the units of curies/sec., while X remains a concentration. On page 2 of the attachment, line 5 from the top should contain " $X_{max} = 4.0 \times 10^{-5}$ ", and line 6 should contain " $X_{max} = 0.88 \times 10^{-5}$ ", rather than 3.73×10^{-4} and 7.50×10^{-5} , respectively. Line 8 should contain the number 3.0×10^{-5} , rather than 1.74×10^{-4} .

Very truly yours,

R. W. Houston,
Laboratory Director

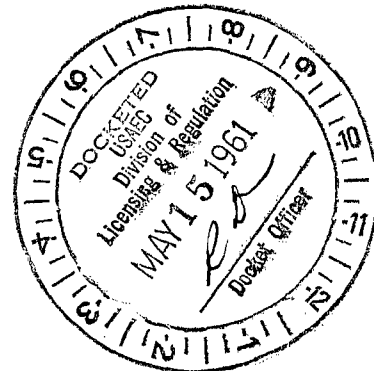
RWH:DH

APPROVED:

INDUSTRIAL REACTOR LABORATORIES, Inc.

Treasurer

COLUMBIA UNIVERSITY

Professor and Chairman of the Advisory
Committee on IRL

See...

B-15

STATE OF NEW JERSEY)
) SS:
COUNTY OF MIDDLESEX)

On this *9th* day of *May*, 1961, before me personally appeared Jerald S. Hanks, to me known and who, being by me duly sworn, did depose and say: that he is the Treasurer of Industrial Reactor Laboratories, Inc.; that he is duly authorized to execute the foregoing instrument on behalf of said corporation; and that the statements made therein on behalf of said corporation are true, complete and correct to the best of his knowledge and belief and are made in good faith.

Maud R. Spencer

Notary Public

NOTARY PUBLIC OF N. J.
My Commission Expires April 5, 1966

SEAL

CITY OF NEW YORK)
) SS:
COUNTY OF NEW YORK)

On this *10th* day of *May*, 1961, before me personally appeared Professor Jewell M. Garrelts, to me known and who, being by me duly sworn, did depose and say: that he is Chairman of the Columbia University Advisory Committee on IRL; that he is duly authorized to execute the foregoing instrument on behalf of Columbia University, and that the statements therein made on behalf of the said University are true, complete and correct to the best of his knowledge and belief and are made in good faith.

Margaret K. Jennings
Notary Public

MARGARET K. JENNINGS
Notary Public, State of New York
No. 31-7682775
Qualified in New York County
Commission Expires March 30, 1962

SEAL