

50-315

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TO: MR B RUSCHE

FROM: INDIANA & MICHIGAN POWER CO
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DESCRIPTION

LTR NOTORIZED 10-1-76.....TRANS THE
FOLLOWING.....

ENCLOSURE

LONG TERM EVALUATION OF THE ICE CONDENSER
SYSTEM RESULTS OF THE JULY 1976 AND SEPT
1976 ICE WEIGHING PROGRAMS.....DTD 10-1-76...

(40 CYS OF ENCL REC)

PLANT NAME: D.C. Cook

DO NOT REMOVE
ACKNOWLEDGED

SAFETY

FOR ACTION/INFORMATION

ENVIRO

10-06-76 RIB

ASSIGNED AD:

BRANCH CHIEF:

PROJECT MANAGER:

LIC. ASST.:

(6) ZIEMANN

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ASSIGNED AD:

BRANCH CHIEF:

PROJECT MANAGER:

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INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	<input type="checkbox"/> SYSTEMS SAFETY	<input type="checkbox"/> PLANT SYSTEMS	<input type="checkbox"/> SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	<input type="checkbox"/> HEINEMAN	<input type="checkbox"/> TEDESCO	<input type="checkbox"/> ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	<input type="checkbox"/> SCHROEDER	<input type="checkbox"/> BENAROYA	<input type="checkbox"/> DENTON & MULLER
<input checked="" type="checkbox"/> OELD	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> LAINAS	<input type="checkbox"/> ENVIRO TECH
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<input type="checkbox"/> MIPC	<input type="checkbox"/> KNIGHT	<input type="checkbox"/> KIRKWOOD	<input type="checkbox"/> BALLARD
<input type="checkbox"/> CASE	<input type="checkbox"/> SIHWEIL	<input type="checkbox"/> OPERATING REACTORS	<input type="checkbox"/> SPANGLER
<input type="checkbox"/> HANAUER	<input type="checkbox"/> PAWLICKI	<input type="checkbox"/> STELLO	<input type="checkbox"/> SITE TECH.
<input type="checkbox"/> HARLESS	<input type="checkbox"/> REACTOR SAFETY	<input type="checkbox"/> OPERATING TECH.	<input type="checkbox"/> GAMMILL
<input type="checkbox"/> PROJECT MANAGEMENT	<input type="checkbox"/> ROSS	<input checked="" type="checkbox"/> EISENHUT	<input type="checkbox"/> STEPP
<input type="checkbox"/> BOYD	<input type="checkbox"/> NOVAK	<input checked="" type="checkbox"/> SHAO	<input type="checkbox"/> HULMAN
<input type="checkbox"/> P. COLLINS	<input type="checkbox"/> ROSZTOCZY	<input checked="" type="checkbox"/> BAER	<input type="checkbox"/> SITE ANALYSIS
<input type="checkbox"/> HOUSTON	<input type="checkbox"/> CHECK	<input checked="" type="checkbox"/> BUTLER	<input type="checkbox"/> VOLLMER
<input type="checkbox"/> PETERSON	<input type="checkbox"/> AT & I	<input checked="" type="checkbox"/> GRIMES	<input type="checkbox"/> BUNCH
<input type="checkbox"/> MELTZ	<input type="checkbox"/> SALTZMAN	<input type="checkbox"/>	<input checked="" type="checkbox"/> J. COLLINS
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<input type="checkbox"/> ASLB:	<input type="checkbox"/> CONSULTANTS	
<input type="checkbox"/> ACRS 16 CYS	<input type="checkbox"/>	
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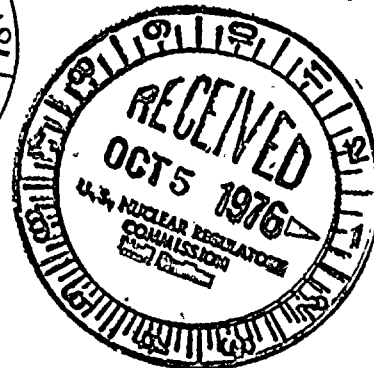
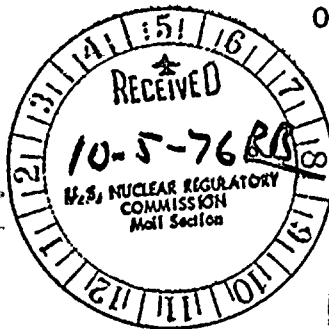
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INDIANA & MICHIGAN POWER COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

October 1, 1976

Donald C. Cook Nuclear Plant
Docket No. 50-315
DPR No. 58



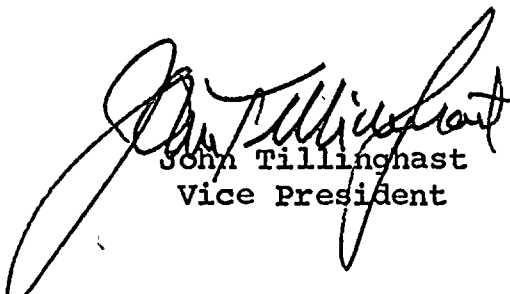
Mr. Benard Rusche, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Rusche:

Attached, please find 40 copies of the report for Donald C. Cook Nuclear Plant Unit No. 1 entitled "Long Term Evaluation of the Ice Condenser System - Results of the July 1976 and September 1976 Ice Weighing Programs" dated October 1, 1976.

This information is being transmitted to you in accordance with our July 20, 1976 letter to you in which we stated that we would submit this information by October 4, 1976.

Very truly yours,


John Tillinghast
Vice President

JT:mam
Attachment
cc: See next page

Sworn and subscribed to before me
this 1st day of October 1976 in
New York County, New York

10107


Notary Public

KATHLEEN BARRY
NOTARY PUBLIC, State of New York
No. 41-4606792
Qualified in Queens County
Certificate filed in New York County
Commission expires March 30, 1977

[illegible]

1980

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The number of transformed cells was determined by the number of colonies obtained on the selective medium. The results are the mean of three independent experiments. Error bars represent the standard deviation.

[illegible]

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$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

Detailed description of Figure 1: The graph plots the percentage of total energy expenditure (TEE) for six activities over a 24-hour period. The Y-axis represents 'Percentage of TEE' from 0 to 100 in increments of 20. The X-axis represents 'Time of Day' from 0 to 24. The activities and their approximate values are: Sleeping (blue line, ~80% at night, ~10% during day), Resting (green line, ~20% at night, ~10% during day), Sitting (red line, ~10% at night, ~10% during day), Standing (orange line, ~10% at night, ~10% during day), Walking (yellow line, ~10% at night, ~10% during day), and Running (purple line, ~10% at night, ~10% during day). The total TEE is represented by a black line at 100%.

Time of Day	Sleeping	Resting	Sitting	Standing	Walking	Running
0	80	20	10	10	10	10
4	80	20	10	10	10	10
8	80	20	10	10	10	10
12	10	10	10	10	10	10
16	10	10	10	10	10	10
20	10	10	10	10	10	10
24	80	20	10	10	10	10

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

Mr. Benard Rusche

- 2 -

October 1, 1976

cc: G. Charnoff
R. J. Vollen
R. C. Callen
P. W. Steketee
R. Walsh
R. S. Hunter
R. W. Jurgensen - Bridgman

