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USNRC

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'82 MAY 11 P2:21

ATOMIC SAFETY AND LICENSING BOARD

Before Administrative Judges
Gary L. Milhollin, Chairman
Dr. David R. Schink
Dr. Peter A. Morris

In the Matter of)
THE DETROIT EDISON COMPANY)
(Enrico Fermi Atomic Power Plant,)
Unit 2))

Docket No. 50-341
(Operating License)
May 11, 1982

ORDER CORRECTING TRANSCRIPT

The transcript of the evidentiary hearing in this proceeding is hereby corrected as follows:

<u>Page</u>	<u>Line</u>	<u>Correction</u>
214	12	Delete "l-C"
"	18	Change "in" to "on"
236	1	Change "Wilhollin" to "Milhollin"
"	2	Change "othe" to "other"
248	3	Delete "entire"
"	21	Change "Contingent" to "Contention"
255	2	Change "sholds" to "should"
"	3	Change "evident-" to "evidenti-"
"	9	Change "Bloom" to "Bluhm"
381	5	Change "alternate" to "ultimate"
"	5	Change "operation to" to "operation of"
"	6	Change "has" to "is"

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50/1

<u>Page</u>	<u>Line</u>	<u>Correction</u>
448	3	Change "Ms. Woodhead" to "Chairman Milhollin"
"	4	Change "Chairman Milhollin" to "Ms. Woodhead"
462	11	Change "now" to "that"
471	25	Change "greated" to "greater"
"	25	Change "number of" to "numbers for"
476	17	Delete "get"
"	25	Change the second "have" to "have you"
478	14	Change "you're back to" to "your back of"
"	14	Change "at" to "of"
478	24	Change "the evacuation" to "evacuation,"
479	21	Change "Lagoona" to "Pointe Aux Peaux"
481	15	Change "Chairman Milhollin" to "Judge Schink"
487	15	Delete "By Judge Schink"
489	16	Delete "by Judge Schink"
491	16	" " " "
492	13	" "A (WITNESS HUNGERFORD)"
493	7	Delete the first "the"
495	1	Change "be postulated for" to "could be postulated for a"
504	7	Change "liberated" to "at liberty"
506	8	Change "Just a moment" to "Chairman Milhollin: Just a moment"
519	25	Change "differ" to "defer"
522	9	Change "and" to "on"
"	10	Delete ",,"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
522	21	Change "is" to "is it"
524	2	Change "applicants" to "applicant"
"	7	Change "lean" to "glean"
"	10	Delete "it"
"	16	Change "whether" to "what are"
525	16	Change "of" to "to"
"	25	change "in" to "on"
"	25	Change "and" to "and an"
526	3	Change "rather" to "rather than"
527	4	Change "It's" to "It's a"
549	9	Change "in route" to "and routes"
"	22	Change "on" to ","
"	23	Change " to get" to "with a given"
550	4	Change "a" to "the"
"	6	Change "it's" to "a"
"	23	Change "reduce" to "redo"
551	1	Change "7" to "70"
"	3	Change "." to ","
"	4	Change "You" to "you"
552	2	Change "site" to "site?"
"	2	Change "you've" to "You've"
"	2	Delete "and"
556	3	Insert "for" after "then"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
561	20	Delete "from"
"	21	Change "for" to "from"
570	11	Change "Calvin" to "Kelvin"
571	10	Change "meeting" to "hearing"

Attached hereto are transcript corrections proposed by the Licensee, Detroit Edison Company, et al., and by the NRC Staff. Parties may object to the transcript corrections proposed by the Licensee and the NRC Staff within 20 days of the date of this order. Absent such objections, the transcript is deemed to be corrected as the Licensee and the NRC Staff have proposed.

IT IS SO ORDERED.

FOR THE ATOMIC SAFETY AND
LICENSING BOARD

Peter A. Morris, for
Gary L. Milhollin
ADMINISTRATIVE JUDGE

Dated at Bethesda, Maryland
this 11th day of May, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
THE DETROIT EDISON COMPANY,) Docket No. 50-341
 et al. (Enrico Fermi Atomic) (Operating License)
 Power Plant, Unit No. 2))

APPLICANTS' PROPOSED TRANSCRIPT CORRECTIONS

The Detroit Edison Company, Northern Michigan Electric Cooperative, Inc., and Wolverine Electric Cooperative, Inc. ("Applicants") request that this Atomic Safety and Licensing Board, pursuant to §2.750(b) of the Commission's Rule of Practice, adopt the following proposed corrections to the transcript of the prehearing conferences held December 18, 1978, and July 22, 1981 and the hearing sessions held March 31 - April 2, 1982 in the above-captioned matter:

<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
15	25	the	a
16	1	.	with Detroit Edison.
39	8	names	named
98	11	be overly	be not overly
98	16	leisurly	leisurely
147	4	remediate	remedy
190	14	tht	that

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<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
194	15	beliee	believe
221	19	Masset	Madsen
245	23	4A	4
263	15	Walter M. Street	Wayne H. Jens
264	20	William	Wayne
291	16	A (WITNESS ALESSI)	[nothing]
295	23- 24	dimension	diameter
297	3	under	onto
302	4	scope	probe
303	15	clippings	clip angles
309	23	to	through
323	2	Floorings	Borings
325	15	concrete. They	concrete, they
325	16	placed with noneffective	replaced with non-defective
325	16	clip angles where	clip angles. Where
325	17	accessible by a	accessible, a
331	23	raise the level	[nothing]
332	12	--	weep holes
333	1	falsifications	false indications
339	3	common	time and
344	5	They conceded	He went beyond
352	15	sec. in snap	inspection

<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
353	17	paces	places
403	25	not	now
406	9	testimony on page 211,	testimony beginning on page 11,
407	13	Eckhardt	Eckert
408	5	Eckhardt	Eckert
408	13	Eckhardt	Eckert
408	18	national disaster	natural disasters
409	25	and next	annex
411	25	Mr.	Mrs.
412	22	towns	counts
415	6	draw up	send
419	4	Maybe the system	The emergency broadcast system
428	12	phone	foam
432	3	designed	designated
436	19	--	pass
437	18	regime area	regime in the area
437	19	document.	documented.
447	9	Eckhardt	Eckert
449	12	--	the population
450	23	--	thirty minutes,
452	4	Sustained by a	standby
456	2	Let's	A (WITNESS MADSEN) Let's

<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
463	11	react. Immediately, he	react immediately. He
464	23	ethylene	effluent
465	15	ethylene	effluent
465	17	protective	protected
465	18	projectory	trajectory
468	3	State	state of
468	4	State	state of
468	21	KANEN	HUNGERFORD
469	1	KANEN	HUNGERFORD
469	10	KANEN	HUNGERFORD
469	16	KANEN	HUNGERFORD
469	21	place	plate
470	3	KANEN	HUNGERFORD
471	6	plan were really	plan really
473	2	to	50
473	8	70	7
475	19	plant	plan
478	3	pass	path
478	9	pass	path
479	15	HUNGERFORD	KANEN
479	22	HUNGERFORD	KANEN
480	3	HUNGERFORD	KANEN
481	16	Eckhardt	Eckert

<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
482	5	are determined	are not determined
483	10	have	halve
486	13	latteral	lateral
487	1	--	decrease,
487	8	by underworks	under works
491	14	in	and
491	15	particular.	particulates.
492	4	energy are	inventory is
492	13	A (WITNESS HUNGERFORD)	[nothing]
498	13	shouldering	sheltering
498	25	cryptography	cartography
499	1	7.5	7.5 minute
500	4	datum meant	datum. The average
502	12	do all	two stall
504	7	liberated	at liberty
508	9	weld	weight
508	16	INE	I and E
508	17	INE	I and E
508	17	7902	79-02
508	17	extension	expansion
509	8	7902	79-02
509	14	eighth	base

<u>PAGE</u>	<u>LINE</u>	<u>DELETE</u>	<u>INSERT</u>
509	18	7902	79-02
547	15	licensing any	licensing.
547	16	particular	Particular
547	16	or	are
547	16	and understand	and I understand
554	13	accuracy	adequacy
554	21	truck's position to	juxtaposition of
569	13	an	and
571	13	the	two
574	4	route. You	route, then

Respectfully submitted,

LeBOEUF, LAMB, LEIBY & MacRAE

By Harry H. Vorp

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Attorneys for Applicants

April 19, 1982

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
THE DETROIT EDISION COMPANY,) Docket No. 50-341
 et al.) (Operating License)
(Enrico Fermi Atomic Power)
 Plant, Unit No. 2))

CERTIFICATE OF SERVICE

I hereby certify that I have this 19th day of April, 1982, served the foregoing document, entitled "Applicants' Proposed Transcript Corrections" by mailing copies thereof, first class mail, postage prepaid, and properly addressed, or by personal delivery as indicated, to the following persons:

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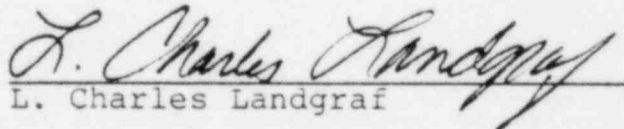
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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
DETROIT EDISON COMPANY) Docket Nos. 50-341
(Enrico Fermi Atomic Power Plant,)
Unit 2))

NRC STAFF TRANSCRIPT CORRECTIONS

The NRC Staff hereby submits the following corrections to be made to the transcript of the hearing held in this docket in Monroe, Michigan March 31 through April 2, 1982.

On the second introductory page of the March 31, April 1 and April 2, 1982 transcripts, "Office of Executive Legal Director, United States Nuclear Regulatory Commission, Washington, D.C." should appear immediately below the names of Ms. Woodhead and Mr. Swanson.

<u>Page</u>	<u>Line</u>	<u>Correction</u>
216	4	Insert "the" after "is"
	4-5	Change "for the Division" to "from the Division"
	6	Change "Regulatory Commission" to "Regulation of the Commission"
	9	Delete "t.ie"
	10	Change "pre-trial" to "pre-filed"
218	18	Insert "Fermi-2" after "the"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
218	24	Insert "at" before "the"
219	11	Insert "Reactor" after "Nuclear"
220	3	Insert "the" after "considers"
	5	Change "have" to "has"
	8	Add "s" to "impact"
	9	Delete "s" from "Plants"
	11	Change "addenda" to "addendum"
	11	Change "This" to "These"
251	4	Change "presentation, the" to "presentation. The"
	8	Change "now" to "putting"
	12	Change "there is" to "it"
	13	Change "throw out" to "throw it out"
	17	Change "4, we" to "4. We"
	18	Delete "we"
	19	Change "convention" to "contention"
253	16	Change "put into" to "put testimony into"
	17	Change "if" to "and"
269	2	Change "showed" to "show"
	8	Change "50-341/7904" to "50-341/79-04"
270	2	Change "a" to "as"

Staff testimony following 270 omits the last two pages (27 & 28) of Appendix A, Report No. 50-341/79-04 by the U.S.N.R.C. Office of Inspection and Enforcement, Region III. These missing two pages are attached to these transcript corrections.

<u>Page</u>	<u>Line</u>	<u>Correction</u>
271	10	Change "testimony. The" to "testimony, the"
387	4	Delete "in"
388	11	Change answer to "I was not"
394	4	insert "Judge" before "Morris"
438	14	Change "and" to "before"
	18	Delete "in the path"
440	21	Insert "in" after "And"
	23	Delete "of"; insert "on" after "both"
441	8	Change "time; that" to "time. That"
442	1	Change "per" to "by"; "to" to "do"; "worse" to "worst"
443	5	Add commas after "duties" and "briefly"
448	7	Change "--does" to "dose"
450	15	Change "accident, at" to "accident. At"
	16	Change "plant; is" to "plant? Is"
453	6	Change "postulates" to "postulate"
454	5	Change "can" to "have" and "consider" to "considered"
456	2	Insert "A." before "Let's"
520	23	Insert "who" after "of course,"
	24	Insert a comma after "plans"
	25	Add "answers" after "provide."
521	22	Delete "just"
	24	Change "and those" to "on doses"
522	1	Change "voiced" to "versed"
	7	Change "for" to "more"
	8	change "would" to "could"

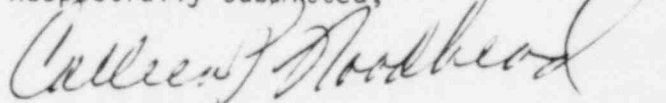
<u>Page</u>	<u>Line</u>	<u>Correction</u>
525	3	Change "caucus" to "focus"
526	8	Add "regulations" after "plans" and add a period
	9	Delete "and"; capitalize "the"
	9	Change "that further" to "further that"
527	7	Change "kind of" to "like to"
530	5	Change "woulr" to "work"
	16	Change "a" to "the"
	17	Change "whicn" to "which"
531	1	Change "doucment" to "document"
	5	Delete "page five"
	6	Change "Anthony, are" to "Anthony. Are"
	25	Change "IWTNESS" to "WITNESS"
532	16	Change ""1125," that" to ""1125." That"
534	1	Change "Courts" to "Boards"
	2	Change "?" to "."
	5	change "and" to "an"
	11	Insert "not" after "was"
534	16	Insert "from" after "be"
	16	Change "is" to "if"
538	8	Insert "in" before "testimony"
	8	Add a comma after "testimony",
	9	Change "read" to "ready"
539	6	Change "concern.--is" to "concern. That is,"
540	22	Delete "--are"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
541	3	Change "emeregency" to "emergency"
	5	Change "in-" to "re-"
542	7	Change "questions--" to "questions."
	14	Change "ments, in" to "ments. In"
	15	Change "evaluation" to "evaluating"
	23	Change "NRC--" to "NRC."
544	2	Insert "as" after "early"
	5	Change "--" to "they"
	9	Delete "is"
	16	Change "--than" to "and then"
545	7	Delete the comma between "source" and "term"
546	3	Change "didn't" to "don't"
	8	Change "out" to "our"
	14	Change "to" to "on"
	15	Change "supplement of" to "supplement reference to"
547	1	Delete "plant" add";" after "system", add "-" after "temperature"
	2	Add ";" after "tion"
	2	Add ";" after "equipment"
	2	Change "equal" to "fluid"
	6	Add "it" after "but"
	7	Change "we had made" to "had been made"
	8	Delete "them"
	15	Change "licensing any" to "licensing. Any"
	16	Change "or" to "are" and insert "I" before "understand"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
548	16	Add "is" after "plume"
	17	Add "are" before "told"
	19	Add "rather" after "plant"
	21	Change "limited" to "limiting"
549	4	Change "develops, the" to "develops. The"
	5	Add a comma after "determine"
551	7	Change "right, there" to "right. That"
	9	Delete "on"
	20	Change "from" to "of"
554	13	Change "accuracy" to "adequacy"
	21	Change "the truck's position to" to "the proximate position of"
555	5	Add "is" after "planning"
557	9	change "nearest" to "distance"
	10	Change "point, do" to "point. Do"
	13	Add "at" after "down"
	14	Add a comma after "question"
	15	Change "plant are" to "plant? Are"
	15	Change "it is" to "it? Is"
558	9	Change the comma to a period after "point"
	10	Capitalize "is"; add a question mark after "distance"; capitalize "are"
	22	Change "1.9" to "1 or .9"
559	5	Insert a period after closer. Capitalize "is"
	12	Insert a question mark after "Dixie Highway" and insert "It" before "is"

<u>Page</u>	<u>Line</u>	<u>Correction</u>
559	15	Change "travel, a" to "travel? A"
	16	Change "difference" to "distance"
	24	Change "based, is" to "based? Is"
560	1	Change "analysis, risk analysis" to "analysis, and risk analysis"
	2	Add "a" after "of"
	2	Add "of" after "spectrum"
	2	Change "Wash 14 hundred" to "WASH 1400"
	4	Add "a" after "was"
	22	Delete "I thought"
	25	Change "beknownst" to "applied"
561	1	Delete "and"
564	1	Change "Pinte" to "Pointe"
566	2	Insert "to a" after "six hundred"
574	10	Change "it believes--" to "include"
	11	Change "routs" to "routes"
	12	change "also there" to "also."
	19	Change "dosage" to "doses"
	23	Change "occasion" to "occurrence"
575	1	Change "that" to "when"
	5	Change "radialogical" to "radiological"
	12	Change "at" to "in"

Respectfully submitted,



Colleen P. Woodhead
Counsel for NRC Staff

Dated at Bethesda, Maryland
this

The investigation associated with this allegation did not reveal any evidence that would lead to the conclusion that reinforcing steel was omitted from the RHR Building. No items of noncompliance or deviations were identified.

Allegation No. 20: Cracks in the concrete base mat of the Reactor Building.

Mr. Kuron expressed his concern of the concrete cracks which developed in the reactor building base mat at elevation 540'. He felt that the cracking might "allow radiation to leak out of the reactor building" and that the structural integrity of the base mat may have been impaired.

Finding: DECo had previously identified the cracks in the reactor building base slab in accordance with 10 CFR 50, Paragraph 50.55(e)(3). The final technical report from DECo was dated November 8, 1974, No. EFZ-29,537.

DECo summarized the reactor building base mat cracking problem as being one of ground water, which was seeping through the radial and circumferential cracks present in the base slab. Evaluation and disposition of the cracking problem by the licensee included the following actions:

- Building Outleakage - In the case of a pipe rupture in the Reactor Building, there would be no outward leakage of radioactive water through the cracks in the floor of the building unless the basement areas became flooded to such a depth that the head of water inside was equal to or higher than that of the ground water outside. Under normal plant operation conditions, this would require flooding in the basement to a depth of approximately 30 feet before reaching the same head at the normal external ground water. If this flooding began to occur, the reactor would be brought to a safe shutdown and the water contained within the building would be processed through the radwaste system. It should be noted that this case is only valid if the cracks were not repaired.
- Sargent and Lundy, the structural designers for the reactor building, performed a thorough analysis and concluded that the observed cracks did not impair the structural strength of the base slab.
- A program was initiated to monitor the width and length of selected cracks for an increase in length or width and to identify any new cracks which might develop.
- Crack width and the penetration into the base slab was determined by taking random concrete cores at various specified locations.

- Developed, approved and execute procedures for the drilling, pressure testing and grouting of all cracks present in the base mat.

As of the date of this investigation, DECo personnel indicated that they felt the grouting program had effectively sealed the cracks in the base slab due to the lack of infiltrating ground water. The NRC team toured the elevation 540 base slab on February 22, 1979, and found no evidence of continued water seepage. No items of noncompliance or deviations were noted.

6. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. Unresolved items disclosed during the investigation are discussed on pages 12 and 13 (Allegations 2 and 3), and on page 22 (Allegation No. 15) of this report.

7. Exit Interview

The investigators met with site staff representatives (denoted in the Persons Contacted paragraph) at the conclusion of the investigation on March 2, 1979. The investigators summarized the scope and findings of the investigation, including the apparent items of noncompliance identified in the Results section of this report. The licensee acknowledged the findings.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
DETROIT EDISON COMPANY) Docket No. 50-341
)
(Enrico Fermi Atomic Power Plant,)
Unit 2))

CERTIFICATE OF SERVICE

I hereby certify that copies of "NRC STAFF TRANSCRIPT CORRECTIONS" in the above captioned proceeding have been served on the following by deposit in the United States mail, first class or, as indicated by an asterisk, through deposit in the Nuclear Regulatory Commission's internal mail system, this 28th day of April, 1982.

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Atomic Safety and Licensing Board
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Dr. Peter A. Morris, Administrative
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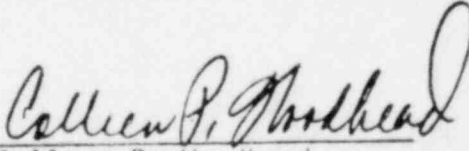
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Colleen P. Woodhead
Counsel for NRC Staff