

July 1, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

DOCKETED
USNAC

Before the Atomic Safety and Licensing Board

'85 JUL -8 P12:45

In the Matter of)
)
THE CLEVELAND ELECTRIC)
ILLUMINATING COMPANY, ET AL.)
)
(Perry Nuclear Power Plant,)
Units 1 and 2))

Docket Nos. 50-4400
50-441

OFFICE OF SECRETARY
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BRANCH

APPLICANTS' PROPOSED TRANSCRIPT CORRECTIONS

Applicants hereby propose that the attached changes be made to the transcript of the evidentiary hearings held in the above-captioned proceeding on April 30 - May 3, 1985 concerning Issues No. 8 (hydrogen control), in order to correct material errors made in the transcription. Applicants request that the Licensing Board issue an order directing that the evidentiary record be amended to incorporate said changes.

Respectfully submitted,

Harry H. Glasspiegel

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8507090336 850701
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T PDR

Counsel for Applicants

Dated: July 1, 1985

DS03

TRANSCRIPT CORRECTIONS

PAGE	LINE	NOW READS	SHOULD READ
3212	4, <u>passim</u>	RICHARD	JOHN
3213	17	Mr. Frank Sted	Mr. Frank Stead
3218	10	resading	reading
3218	16	the rest of minor	the rest are of a minor
3229	18	in material	and material
3230	25	process to applicants	process which applicants
3234	12	of the rule	of the testimony
3234	20	the set out	they set out
3235	12, <u>passim</u>	Classics III	CLASIX 3
3235	20	Hitatt	Hiatt
3236	5	service level B	service level D
3236	20	level C limit	level C limits
3237	8	stentence	sentence
3237	23	corss	cross
3238	20-21	5044 C.3, Roman Numeral VI, B3	50.44(c)(3)(vi)(B)(3)
3242	7	ASMI	ASME
3242	10	thpes	types
3242	21	Fiar	Fair
3244	4	qualifiactions	qualifications
3246	9	referringf	referring
3246	15	Manger	Manager
3246	22	One is area	One area

PAGE	LINE	NOW READS	SHOULD READ
3246	25	also involves	also involved
3247	25	Licesning	Licensing
3248	21	anlayses	analyses
3249	6	concentartions	concentrate
3249	21	blow plug	glow plug
3249	23	as you said	as I said
3250	6	pressures that results	pressure that result
3250	9	evlauation	evaluation
3250	13	safety accomodate	safely accomodate
3250	15	Riochardson.	Richardson
3251	17-18	It would ignite before it goes up	It did ignite
3253	4	Manger	Manager
3253	9	the ultimate capacity report	the Ultimate Capacity Report
3253	11	That report, in mid-1981	In mid 1981
3254	4	penetration 144	penetration 414
3255	5	1060	1960
3255	20	also familair	also familiar
3255	21, <u>passim</u>	Hector	HECTR
3256	14-16	Our group developed a fundamental understanding and properties, what propagation values increase turbulence can give,	Our group developed a fundamental understand- ing of properties, what propagation values increased turbulence can give,
3256	15	values increase	values increased
3256	21	since time time	since that time

PAGE	LINE	NOW READS	SHOULD READ
3256	22	exposive	explosive
3258	3	and the	we were involved in
3258	4	possible	and possible
3258	7	obligation	application
3261	19	March 15, 1985 Order	March 14, 1985 Order
3262	6	ol	to
3265	13	zero point two percent	0.2%
3265	15-16	to six point seven two percent	6.72%
3266	5	Mr. Hiatt	Ms. Hiatt
3266	14	eleven point seven two	11.72
3266	20	Do you -ant	Do you want
3267	4	FOI	FOIA
3271	3	to pose	to propose
3271	10-11	pressure capacity containment	pressure capacity of the containment
3271	14	direction and inspection	erection and inspection
3271	14	providions	provisions
3271	25	establish which	establish the
3272	2	release of radioactive release of material	release of radioactive material
3272	11	and as a design limit for -- as established	and at a design limit as established
3272	16	through -- leakage	to prevent leakage
3273	1	rate pressure	rated pressure
3273	5	enclosure bolts	closure bolts.

PAGE	LINE	NOW READS	SHOULD READ
3273	12	pre-torque	pre-torque
3273	19	stating	citing
3274	15	could not be increased. It was	could not be increased, it was
3274	18	in this session	in this section
3275	7,12	Smith	Gleason
3275	12	Richardson	Alley
3275	16	plant	flanges
3276	16	Certain	Certainly
3277	12	prolemeric	polymeric
3277	12	etholene propolene	ethylene, propylene
3277	14	polomer elastimeric	polymer elastomeric
3277	14	on the degrees of of the highness	highness
3278	3	during the legnth	during the life
3278	8	requirment	requirement
3278	13	thermo	thermal
3278	16	requirments	requirements
3278	23	cosidered	considered
3280	13	whether those	where those
3280	21	event, they exceed the two	event are expected in the two
3284	1	yeild	yield
3284	9	give	given
3286	6	material will	material which will
3286	9	and allowable	in allowables

PAGE	LINE	NOW READS	SHOULD READ
3286	18	to	at
3288	9	presumptions	assumptions
3289	23	I do not all the top	I do not off the top
3291	11	on page 12	on page 212
3292	25	welds to being them	welds to bring them
3295	9	effect attest	affect attempts
3301	8	NNICRT	NWICo RT
3306	5	wetwall	wetwell
3306	5	depredations	deflagrations
3306	19, <u>passim</u>	Case of A	K sub A
3307	2	K of I	K sub I
3309	12	perogative	prerogative
3312	19	Case	K
3313	13	annulous	annulus
3313	13	concrete for	concrete or
3314	6	annulous	annulus
3314	6	cylindrical	cylindrical
3314	7	maridianal	meridional
3314	16,20	stiffners	stiffeners
3315	17	Rich Mayo	Rich Schmehl
3316	9	alone is the cause	is low because
3316	10	stiffness	stiffeners
3316	19	OCRA's	OCRE's
3316	24	having burns	hydrogen burns
3317	24-25	already going to	afraid you would

PAGE	LINE	NOW READS	SHOULD READ
3319	3	by doing	about doing
3321	12	in excess	below
3323	5	estimate	estimated
3323	15	law	flair
3323	15	law	flaw
3324	15	At times are	At times there are
3325	5, <u>passim</u>	hydrogen deprodatations	hydrogen deflagrations
3325	19	poor	short
3326	11	supplied	applied
3332	12	He is going	He is doing
3332	14	line questions	line of questions
3334	12	50.44 C-3/4-B	50.44(c)(3)(iv)(B)
3334	23	50.44 C-3/5-3	50.44(c)(3)(v)(A)
3336	9	aren't	are
3337	1	deflagration	detonation
3337	3	sort	short
3338	6	evluated	evaluated
3339	18	much higher level	much lower level
3339	20	lower	higher
3340	8	that Mr. Alley's	of Mr. Alley's
3340	8	is incompetent	as incompetent
3341	11	industry in	industry as
3341	13	evaluations	evaluation
3342	1	undermine	determine
3346	3	lithium	little

PAGE	LINE	NOW READS	SHOULD READ
3346	6	of the more penetration	of the controlling penetration
3346	17	psi increase	ksi increase
3350	10	Mosar	Bosar
3351	5	troubling region	controlling region
3353	19	there code	there is code
3355	1	document that is	document is
3357	4	conducts	contours
3357	10	siad	said
3358	10	of the plastic range	of the elastic range
3358	22	taken for	taken to
3361	9, <u>passim</u>	Von Myes	Von Mises
3362	7, <u>passim</u>	inflatable shields	inflatable seals
3362	18	design case	design basis
3362	25	NUREG CR 2855	NUREG/CR 3855
3364	22	to the example	to the
3364	23	with a touch of	touch of
3364	23	asked Ms.	asks Ms.
3367	20	wehther	whether
3368	1	inflatted	inflated
3368	4, <u>passim</u>	inflattable	inflatable
3369	7	I cann't	I can't
3370	21	sequences that	event sequences or scenarios that
3370	22	about	about event
3371	19	energy	energy

PAGE	LINE	NOW READS	SHOULD READ
3373	8	oint	point
3374	15	testing with subjected	testing when subjected
3375	1	qualifiaction	qualification
3375	9	hearing	nearing
3375	17	Tables 561 and 562	Tables 5.6-1 and 5.6-2
3378	8	precluded	concluded
3379-80	12	in excess of a limiting	in excess of the limiting
3379-80	13	expectred to be	expected to be
3383	16	NUREG CR 2529	NUREG/CR 2549
3395	1	James F. Bastello	James F. Costello
3396	23	FOI	FOIA
3397	6	for Ms. Buzzelli	for Ms. Hiatt
3402	6	Thomas Blayliss	Thomas Blejwas
3404	19	direction	correction
3405	18	HAITT	HIATT
3405	19	walk	airlock
3405	20	capapcity	capacity
3409	6	would you	would your
3413	12	sincce	since
3416	20	on welds	on walls
3420	9	ingegrity	integrity
3421	19	it needs	there needs
3422	13	though you	thought you
3423	13	50.44(c)(3)(5)(a)	50.44(c)(3)(v) (A)

PAGE	LINE	NOW READS	SHOULD READ
3424	13	evaluted	evaluated
3424	24	to them to	to them and to
3425	11	basis is	basis accidents is
3427	4	Does the	Has the
3427	8	proceures	procedures
3428	15	blackout is	blackout as
3428	17	power, correct onsite and offsite	power, both onsite and offsite
3428	23	up the showing the showing	up the showing
3428	24	preliminary analyses	preliminary analysis
3428	24	final analyses	final analysis
3429	15	plans	plants
3430	8	contest of the text	context of the test
3430	12	I may agree	I made agreeing
3430	24	dealth	death
3437	14	camble	cable
3438	3	insolation	isolation
3440	7, <u>passim</u>	frame	flame
3440	12	Montrael	Montreal
3440	25	loss	lowest
3443	23	be fore	be for
3449	6, <u>passim</u>	seal end	seal in
3452	20	tests	steps
3453	12, <u>passim</u>	exchange even	exchanger
3454	7	may	would

PAGE	LINE	NOW READS	SHOULD READ
3455	4	you have	you don't have
3455	15	dropped	trapped
3455	18	bzck	back
3455	24	AC	RCIC
3456	21	nps	npsh
3457	4	condenser	condensate
3457	5	HPSI	HPCS
3457	18	report	reports
3457	18	limit	limits
3458	23	codes	curves
3459	2	hearing	heading
3459	12	gravitate	cavitate
3460	5	gravitate	cavitate
3460	16	245 pre-cool	245° pool
3460	20	mpsh	npsh
3460	22	suctional	suction of the
3461	10	possitive	positive
3461	15	by-pressure	high pressure
3462	4	emply	employ
3462	10	SYGNA	CYGNA
3462	11	sunction	suction
3462	22	designer	design or
3468	24	aggitation	agitation
3469	9	heighter	height
3470	24	analysis	analyses

PAGE	LINE	NOW READS	SHOULD READ
3471	1	where the	, where it is acceptable for the
3471	2	as demonstrated	bounded
3471	10	Management	Methodology
3471	5, <u>passim</u>	RSMAP	RSSMP
3472	11	purpose	purpose
3477	7	in containment	and containment
3478	3	but Event I	but in the event it
3478	20	cooling	core cooling
3479	1	speciality	specialty
3480	1	that is	that his
3482	22	through	to
3484	1	loccalized	localized
3489	16	(Continauing)	(Continuing)
3490	7	falling pool flow	forward pool swell
3493	3	Perry plant	program plan
3493	11	the	the HCOG
3493	14	does does	does
3493	15, <u>passim</u>	drywall	drywell
3493	15	introductions	interactions
3494	2	task	tasks
3494	5	mainly	mainly combining the
3495	3	owners groups	owners in the owners' group
3495	17	brake case	break case
3497	1	release	relief

PAGE	LINE	NOW READS	SHOULD READ
3497	3	purged	purge
3497	11	graded	rated
3497	21	of	or
3502	4	Case	Page
3502	16	code	cone
3502	21	type	pipe
3502	22	code	cone
3504	24	evaluations	evaluation
3506	19	asmuth	azmuth
3510	14	hard	hand
3514	19	Barry Shot	Gary Shott
3515	23	assembly	experiment
3517-3518	4	adiobatic	adiabatic
3520	4	comparable	competent
3520	16	ignitable	ignitible
3523	21	all	old
3523	25	detonation range	detonation
3523	25	propogate	propagate
3524	1	the way	by the way
3524	12-13	Petrol. Petrol or TNT are that strength of explosives	Tetryl. Tetryl or TNT are high strength explosives
3524	15	detonation into a--	detonation
3526	3	Gene	Guenther
3527	2	into	from

PAGE	LINE	NOW READS	SHOULD READ
3527	3	and	to
3527	6	has	have
3528	16-17	he also used, not hydrogen but, propane and air as a form of a mixture	he also used, not hydrogen, but propane and air mixture
3535	15	that	that is
3535	25	condensate	condense
3540	17	forgotten	forgot
3540	19	percent orders	percent, order
3541	12	combustion	combustion
3541	23	Fels	Fuls
3542	7	light	right
3542	11	"T"	"p"
3542	23, <u>passim</u>	Marsh	MARCH
3545	5, <u>passim</u>	IMPEL	CONTEMPT-LT
3545	25	import	input
3547	24, <u>passim</u>	Penwall	Fenwal
3548	18, <u>passim</u>	Hector	HECTR
3549	1	temperaturs	temperatures
3549	11	increasing	decreasing
3549	16	welwall	wetwall
3549	20	6-89	689
3551	20	Feel	We feel
3552	1, <u>passim</u>	fusion	diffusion
3552	6	cnoducting	conducting

PAGE	LINE	NOW READS	SHOULD READ
3552	19	standing diffusion standing diffusion	standing diffusion
3555	8	simply	simple
3557	15	one in ten	one tenth
3559	16	fluses and estrapolate	fluxes and extrapolate
3559	19	methodlogies	methodologies
3560	3	what	in the 1/4 scale facility what
3560	12	did you Mr. Karlovitz	did you or Mr. Karlovitz
3561	2	level out come	level outcome
3561	7	entering	entraining
3561	14	of particularly	particularly
3562	8	angular	annular
3563	14	put a 747 into a 747	put a 747
3563	17	turbine	turbulence
3563	25	Froud	Froude
3564	9	order	or
3574	4	loop	liquid
3578	2	Not	It is not
3578	3	possibility	survivability
3578	14-15	drywell containment	drywell and containment
3579	5	Whay?	What?
3579	2, 19	sheaths	seats
3579	24	high	high of
3580	8	sheet	seat
3581	7	Diffusion	Flames

PAGE	LINE	NOW READS	SHOULD READ
3582	2-3	etholene, propalene dyamene	ethylene, propylene diamene
3582	4	Pethra	Presray Corporation
3582	7	an erraneous equation	an Arrhenius equation
3583	5	We really manufacture	We reviewed manufactures'
3583	6	mating surfaces because	mating surfaces. Because
3583	11	mean lower	mean and lower
3584	1	finally report	final report
3584	6	necessary that we	necessary to show that we
3586	1	35 psig	45 psig
3586	25	penetration four one four.	penetration 414.
3588	9, 22	C-3-4-B	(c)(3)(iv)(B)
3588	25	C-3-4	(c)(3)(iv)
3590	18	15 psi	50 psi
3591	6	touchness	toughness
3592	24	you knowledge	your knowledge
3593	1,7	annulous	annulus
3594	2	one is was	one was
3594	12	inforamtion	information
3596	3	NCR 17-426	NR 17-426
3596	12	79 KSI	79 psi
3596	20	region is limited	region is limiting
3598	4	non linear	non-linear
3601	3	a less	at least
3605	25	recoverable 4	recoverable full

PAGE	LINE	NOW READS	SHOULD READ
3606	16	L-P-C-I, LPSC, L-D-S-C	L-P-C-I, LPCS, L-P-S-C
3609	23	containing	containment
3610	13	restore power even	even restore power
3612	11	anumber	a number
3612	20	pressure	suppression
3613	17	exchanges	exchangers
3615	10	not -- it	not -- if
3616	6	peak varies	peak temperature occurs
3616	21	He had all of his openings -- he has all of his	He had
3616	23	propogation	propagation
3616	24	calulatiaons	calculations
3617	5	baffels	baffles
3617	6	propogated	propagated
3617	14	as the hatch stobs and the glow plug	as the glow plug
3619	11	CA	DBA
3620	12	volume --	volume extinguishing compound
3620	23	program has	program have
3623	24	ceiling	sealing
3624	13	scale	scaled
3625	15	With respect	Q. With respect
3627	2	tests, first	tests are not the same. First
3627	11	would expect	would not expect

PAGE	LINE	NOW READS	SHOULD READ
3628	13	controlled system	control system
3628	15	are hugh	are huge
3629	6	bypass I guess	bypass
3629	14	occurred of	occurred to
3630	19	MARCH	MARC
3631	2	My Hiatt	Ms. Hiatt
3633	12	loop	LOOP
3634	21	some	sound
3634	23	turbulent, involved.	turbulent.
3635	1	rate	wave
3637	17	is the low	is of low
3639	19, <u>passim</u>	Fenwall	Fenwal
3639	24	room	bomb
3640	1	respected --	respected company
3640	2	room	bomb
3642	8	loccations	locations
3642	20	reevaluating	re-evaluating
3643	18	might	might change
3649	11	igiter	igniter
3660	19	initially -- however,	initially -- however
3661	3	else	since
3663	9	specified	specifies
3663	9	is	as
3663	10, <u>passim</u>	iodide	iodine
3663	10	sesium	cesium

PAGE	LINE	NOW READS	SHOULD READ
3663	23	scenareo	scenario
3663	25	them	from
3664	7	Reference	Referring to
3664	9	procechure	procedure
3664	13	A Yes.	A (Buzzelli) yes.
3673	20	VonElby	von Elbe
3674	6	Mr. Notagrancesco's	Mr. Notafrancesco's
3678	3	them to shortly	them to me shortly
3681	3,7	(OCRE Exhibit No. 8,	(OCRE Exhibit No. 18
3682	4	from Mr. Dalwyn	to Mr. Dalwyn
3686	9,17	The DVA	The DBA
3690	20	was to duplicate	were to duplicate
3698	17	industry the industry	the industry
3698	17	heat core	IDCOR
3698	17	map code	Maap code
3711	18	youy have	you have
3713	15	depends no	depends on
3715	11	OCRE Exhibit No. 8	OCRE Exhibit No. 24
3721	24	reservatrions	reservations
3727	8	one six area	one six eight area
3727	18	and whether in your	and in your
3727	19	opinion these results	opinion do these results
3730	7	Mr. Young	Mr. Juang
3730	22	Reference 4	Reference 14
3730	23	a program 2 unit	Pilgrim Unit 2

PAGE	LINE	NOW READS	SHOULD READ
3733	1	defect weld	defective welds
3733	4	Defect	Defective
3733	13	that the way	that by the way
3734	16, <u>passim</u>	Fenwall	Fenwal
3734	16, 20	Teflon	teflon
3741	16	we could feel	we could see
3746	20	Various tests done	various tests are done
3747	9	combusting	combustion
3749	14	LOCA	occur
3752	9	Support Group.	Support Group at Perry.
3755	21	jsut	just
3756	12	detemrined	determined
3759	11	inforamtion	information
3760	1	contruing	construing
Qualifications of Bernard Lewis (following Tr. 3241) at 2.		Author of five books	Editor of five books

July 1, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

DOCKETED
USNRC

*85 JUL -8 P12:45

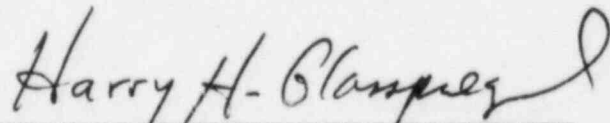
Before the Atomic Safety and Licensing Board

OFFICE OF SECRETARY
DOCKETING & SERVICE
BRANCH

In the Matter of)	
)	
THE CLEVELAND ELECTRIC)	Docket Nos. 50-440
ILLUMINATING COMPANY, <u>ET AL.</u>)	50-441
)	
(Perry Nuclear Power Plant,)	
Units 1 and 2))	

CERTIFICATE OF SERVICE

This is to certify that copies of the foregoing "Applicants' Proposed Transcript Corrections" were served by deposit in the United States Mail, First Class, postage prepaid, this 1st day of July, 1985, to all those on the attached Service List.



Harry H. Glasspiegel

July 1, 1985

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

THE CLEVELAND ELECTRIC
ILLUMINATING COMPANY

(Perry Nuclear Power Plant,
Units 1 and 2)

)
)
) Docket Nos. 50-440
) 50-441
)
)
)

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