

RAS 5067

December 6, 2002

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USNRC

**UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION**
Before the Atomic Safety and Licensing Board

December 12, 2002 (2:28PM)

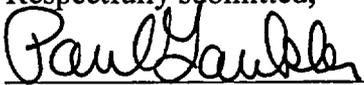
OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

In the Matter of)
)
PRIVATE FUEL STORAGE L.L.C.)
)
(Private Fuel Storage Facility))

Docket No. 72-22-ISFSI

**PROPOSED JOINT CORRECTIONS TO THE TRANSCRIPT FOR
THE EVIDENTIARY HEARING ON UNIFIED CONTENTION UTAH L/QQ**

Applicant Private Fuel Storage, L.L.C. ("Applicant" or "PFS"), the State of Utah and the Staff of the Nuclear Regulatory Commission jointly propose that the corrections in the attached table be made to the transcript of the evidentiary hearings on Unified Contention Utah L/QQ. The attached table lists the corrections that the parties have identified to date in their review of the transcript but, given the size of the transcript, the parties have not attempted to undertake a comprehensive identification and listing of every potential correction to the transcript.¹ In particular, the parties have not sought to identify and correct obvious typographical or spelling errors. The parties are aware of no contested issue of fact whose resolution turns on a proposed correction to the transcript.

Respectfully submitted,


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December 6, 2002

¹ The parties may be filing some additional proposed transcript corrections for Utah L/QQ next week.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of)
)
PRIVATE FUEL STORAGE L.L.C.) Docket No. 72-22
)
(Private Fuel Storage Facility)) ASLBP No. 97-732-02-ISFSI

CERTIFICATE OF SERVICE

I hereby certify that copies of the "Proposed Joint Corrections to the Transcript for the Evidentiary Hearing on Unified Contention Utah L/QQ" were served on the persons listed below (unless otherwise noted) by e-mail with conforming copies by U.S. mail, first class, postage prepaid, this 6th day of December, 2002.

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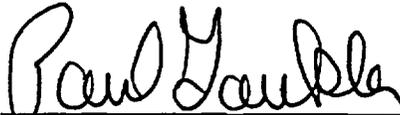
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**Proposed Corrections to Utah L/QQ Hearing Transcript
PFS Evidentiary Hearing, April-June 2002
Docket No. 72-22-ISFSI**

Page/Line	Delete	Replace deleted text with:
5539/3	be, and	see, and
5540/18	enter design	under a design
5540/22	the statement referring	what the statement is referring
5541/9	all accompanying	our company
5542/15	have been accepted as	have accepted its
5544/9	of	or
5544/12	without	without being
5545/4	a function complex variant	a function that is a complex variable
5545/8-9	imaginary of that represent	the imaginary part represents
5545/16	variant	variable
5546/3	be	give
5546/11	earlier	mentioned earlier
5547/4	matter	magnitude
5547/12	mathematical like	mathematically
5547/23	Just	As
5548/15-16	structural vibrate	structure vibrates
5548/23	of	
5552/6	an anchor	unanchored
5563/14	Freestanding for	Freestanding
5563/15	containment structure support	a containment structure supported
5563/16	rock slide. It's bass	rock site. Its base
5563/18	containing	containment

Page/Line	Delete	Replace deleted text with:
5564/2	bass	base
5564/22	elevation	foundation
5579/4	problematic	probabilistic
5579/9	the median	a median
5580/10-11	annual – the	actual
5591/6	core	company
5593/6	only pad that	on the pad, that's
5593/7	pad	pad is
5593/10	strongly	essentially
5594/22	a straightforward for	straightforward for a
5596/20	conceded	considered
5596/21	history	eccentricity
5615/8	the cracked	a cracked
5621/1	that	that are
5627/5	strictly	strictly for
5627/24	testimony	settlement
5627/25	just entered	is just under
5629/9	ran	can say
5631/15	ICEC Sup	CECSAP
5631/17	severity	flexibility
5631/21	ICEC sup	CECSAP
5632/22	would be, then resist	would be then resisted
5633/16	soil. That	soil, that
5633/25	resists	resistance
5634/21	one	when
5641/17	time and variant	time invariant

Page/Line	Delete	Replace deleted text with:
5642/12	because the	because of the
5643/18	ICEC Sup	CECSAP
5643/20	expressive	an express
5643/20	validation. But the	validation, the
5644/5	Sup	SAP
5644/11	interdynamic condition	results under dynamic conditions
5650/5	pattern	pad
5662/7	there's more	the amount of
5662/8	motion. I	motion, I
5662/9	very	it is
5671/11-12	they resistant to	they resist the
5677/9	waves?	layers?
5679/1	and	
5684/8	rectangular	rectangle
5684/8	convert square	square
5684/15	Guchi	Iguchi
5688/7	Guchi	Iguchi
5692/5	Guchi	Iguchi
5694/21	patent	pad
5694/23	floating	loading
5694/24	patent	pad
5696/1	patent	pad
5696/4	irrespect	irrespective
5698/13	a lot depend	that a lot depends
5711/11	waves	layers
5713/1	though	

Page/Line	Delete	Replace deleted text with:
5713/14	DeLong	Wong
5724/7	instance	incidence
5728/25	support	supported
5773/8	does not	it does not
5815/14	those	those,
5816/3	this	
5817/3	JUDGE FARRAR	DR. STAMATAKOS
5817/4	MR. STAMATAKOS	JUDGE FARRAR
5817/7-8	decision at	decision. At
5822/21	for	
5823/24	then	are
5827/23	further	farther
5830/13	combines probabilistically	combines, probabilistically,
5839/7-8	incorporate probabilistically	incorporate, probabilistically,
5843/14	has explicit	has an explicit
5850/22	been moved to	removed the
5874/19	back	impact
5881/4	it derives	is derived
5887/21	consistent	inconsistent
5904/10	So	To
5922/12	fix	racks
5923/14	voracity	veracity
5951/6	tasks	casks
5968/4	external	externally
6003/7	references	is
6006/16	thought	not
6020/5	loads	
6054/5	natural	actual

Page/Line	Delete	Replace deleted text with:
6054/6	summary	shake
6078/21	tilt	tip
6082/6	as	has
6121/16	degree	agree
6126/21	would	wouldn't
6147/4	map	mat
6155/17	consumed	conservative
6200/14	Numark	Newmark
6200/15	Rosenblue	Rosenblueth
6205/4	fee	friction
6209/13	Silted clay, clay silt	Silty clay, clayey silt
6213/10	litter	layer
6224/22	Stoeten	Stoughton
6291/12	Wickers	Wissa
6322/9	slide	sliding
6360/25	ductal	ductile
6363/6, 7, 9, 12, 14, 18	Plasson's	Poisson's
6363/23	proof	roof
6365/6	raptor	reactor
6366/24	pie	pi
6369/23	listed	lifted
6371/25	peak	key
6391/10	proved	approved
6437/20	entrance	interest
6437/23	be, with	be of
6452/4	closely	close to
6497/14	for no vertical	of non-vertically
6497/24	number of	non-vertically

Page/Line	Delete	Replace deleted text with:
6501/1	citation	excitation
6501/23	the sine	the design
6502/6-7	the formation	deformation
6503/17	.125	0.125
6504/5	.0125	0.125
6506/9	markings	margins
6508/8	that history	time histories
6510/15	no more or revised	normal or reverse
6512/8	there were	then we
6512/9	wrong	run
6512/9	good	the
6520/4	southwest	Southwest
6520/10	intersection	interaction
6520/11	mobility	modeling
6520/20	pad, cask	pad-cask
6522/1	Section 2164 of the Safety Violation	Section 2.1.6.4 of the Safety Evaluation
6533/8	Mox River	MOX
6556/17, 22	CNWRI	CNWRA
6556/22-23	in analysis,	the NRC's,
6557/8	CNWRI	CNWRA
6557/14	CNWRW	CNWRA
6559/20	sine	site
6564/3	essentially	eventually
6565/13	business	bases
6569/2	on-site	on site
6578/12	2164	2.1.6.4
6580/19	Seismic	Stability
6593/21	overtonging	overturning

Page/Line	Delete	Replace deleted text with:
6595/13	regulation	regulatory
6595/24	statistical	pseudostatic
6596/20	acumen	argument
6597/1, 3	of order	of an order
6597/7	analyses	NRC
6597/10	divided	provided
6597/10	wet	earthquake
6597/15	light	large
6597/15-16	and not extend	are not sustained
6597/19	more	small
6599/3	raising	racing
6601/13	There	They
6623/17	horizontal	
6642/2	MR. POMERENING	DR. OFOEGBU
6643/12	leads	needs
6643/22	I expected it	the materials are expected
6645/12	the	a
6650/3	their	there are
6670/11	issue in	issuing of
6675/19	soft grade	subgrade
6675/19	not	
6678/1	difference of	differential
6679/24	as true	through
6721/7	or	on
6727/8	fiscal	physical
6735/4	analyses	NRC
6737/21	or	on
6742/20	where	were

Page/Line	Delete	Replace deleted text with:
6783/14	move	remove
6784/13	of	or
6786/23	U2	Mu 2
6787/4	U2	Mu 2
6790/3	ways	waves
6807/12	indicated	indicate
6966/20	Dr. Hardland's	in Dr. Bartlett's
7063/22-23	people are going to – not going to be – again,	
7094/12	term	return
7109/13	established	failed
7169/2, 4	Humble	Humbolt
7175/3, 5, 20	end	N
7182/16	end	N
7219/4	Tseng	Singh
7225/13	mute	Mu
7229/25	.2	Point 2
7230/16	.2	Point 2
7231/11, 12	sine	side
7321/21	MS. CHANCELLOR:	MR. TRAVIESO-DIAZ:
7325/15	aren't connected	are interconnected
7352/20, 23	traction	interaction
7353/2	traction	interaction
7377/24	years	g's
7383/23	Osgood	Hosgri
7383/24	Salt Lake	Diablo Canyon
7451/1, 2	casks	cases
7460/1; 7463/13	defamation	deformation
7466/8, 20, 25	ICC	ICEC

Page/Line	Delete	Replace deleted text with:
7466/20-21	calibrations wrong	calibration runs
7467/3	ICC	ICEC
7469/9	information	deformation
7511/9	dose panel	design basis
7515/14	modes or	modes of
7520/23	best-case	base case
7535/9, 11	respond	correspond
7543/16	dumping	damping
7568/13	use	user manual
7583/11, 12	wrong	run
7583/13	problem	program
7587/22	drawings	runs
7609/7	barometric	parametric
7633/22	RCC	ICEC
7638/14	represented in the rapid	representation of the pad
7737/21	Housby	Hosgri
7741/8	Housby	Hosgri
7742/18	Housby	Hosgri
7743/7	Housby	Hosgri
7867/2	202	2002
7869/18	curves	occurs
7882/10	exceeding	not exceeding
7890/4	elsewhere,	
7893/17	us	using
7905/14	1.5 g	1.5
7914/15	if.	is.
7926/4	R sub R	if R sub R
7926/24	an anchor	unanchored

Page/Line	Delete	Replace deleted text with:
7927/1	diamond	diameter
7933/7	other	the
7941/1	conflict	comfort
7943/12, 18, 19	Osifies	ISFSIs
7955/22	act,	at
7956/14	MS. NAKAHARA	DR. CORNELL
7986/23	seep	seen
8001/3, 24	problemistic	probabilistic
8001/11	Reg Guide 1165	Reg Guide 1.165
8004/14-15	Reg Guide 1174	Reg Guide 1.174
8007/20	statute	state
8017/19	Doe	DOE
8027/2	struck	strut
8028/5	is meant	mean
8037/15-16	the principal scientist	a Principal Scientist
8038/4	been	
8042/15	scales	skills
8045/7, 16, 21	KHAN	STAMATAKOS
8052/14	in the of	of the
8055/11	.8.	9.8.
8068/25	layers	graded
8072/6	research	Research
8089/23	stated	states
8090/4	initiate stress	initiate slip
8090/5	stress	slip
8090/12	where	with
8090/24	proposal.	propose.
8094/23	pervasions	perturbations

Page/Line	Delete	Replace deleted text with:
8097/1	end	
8097/23	in	or
8098/13, 25	problemistic	probabilistic
8106/25	PSHA?	PSHA.
8107/2	methodology	methodology,
8108/22	A	8
8112/18	in	at
8113/7	is	was
8115/13	problemistic	probabilistic
8115/14	by I believe	by, I believe,
8121/5	three distress	3-D stress
8132/11	for	before
8135/3	facility for	facility, or
8180/2	document	document,
8188/25	labialized	rubblized
8194/15	distance, the	distance, how far the
8194/18	are,	and
8196/16	east	East
8200/2	lake quaternary	late Quaternary
82003/13	quaternary	Quaternary
8203/5	believe	believe,
8208/10	on earthquake spectra	in Earthquake Spectra
8214/22	Earthquake spectra	Earthquake Spectra
8220/14	Magnitude	Magnitude and
8224/15	is that	that
8225/13	sides of	sides, to
8235/21	DR. STAMATAKOS:	
8237/24	proponent	component

Page/Line	Delete	Replace deleted text with:
8244/8-9	ground, what under line that is meant to go and	ground motion. What underlies that is important. And
8244/10	part of the expression smell test	pardon the expression, smell test
8244/16	whereas	where
8245/8	nap	map
8250/11-12	hazards result only	hazard results all the way
8253/16	society	philosophy
8261/10	my	
8261/11	modeling that	modeling,
8261/12	using a member,	using,
8261/13	in mass	en-masse
8261/19	quaternary	Quaternary
8262/8	cold structure	structured
8262/13	number	number,
8264/7	volume per se	volume, per se,
8276/7	consideration in	risk consideration if
8276/18	for	or
8294/1	1.165	1.165,
8304/12	problems and approaches	probabilistic assessments
8328/22	feet	years
8342/17, 22	ISFSI	Besse
8973/20	distance	difference
8979/8	Nuttall	steel
8991/23	high storms	HI-STORMs
9002/18	complements	components
9060/19	ships	shifts
9115/17	PFSF	PFS
9118/10	probability	probabilistic

Page/Line	Delete	Replace deleted text with:
9120/12-13	inherence or	inherent
9162/11	exception	exemption
9176/2	thought	through
9178/1	plan	plant
9208/7	codery	coterie
9208/8	cognoscente	cognoscenti
9250/9	19	'99
9381/11	Bumps	Pumps
9423/12	100	1.100
9745/12	anyplace	any place
9750/23	could	could not
9756/22	belied	belie
9780/24	Judge Farrar	Mr. Soper
9799/4	you	he
9802/22	matter	model
9887/2	it	
9895/5-6	or fine idea	
9896/19	exception	exemption
9904/25	explain	explained
9906/11	exceeded this	exhibited
9906/14	lacked	had large
9907/13	more recent rates	of more recent dates
9920/21	had	has
9921/9	changes	changed
10003/8	Robert	Robin
10071/5	mock-up	markup
10108/16, 21	INEL	INEEL
10114/3, 5	default	fault

Page/Line	Delete	Replace deleted text with:
10131/17	PSH	PSHA
10169/18	licensing	relicensing
10401/23	anchor casks as being storage?	unanchored casks for fuel storage?
10519/3	interaction	excitation
10535/15	4.61 g	.461 g
10549/4	86 B	86C
10567/2	increase	
10571/2	Holtec's	Holtec
10578/6	27	2.7
10578/7	29	2.9
10579/20	to	of
10678/21	remediation	radiation
10679/10	remediation	radiation
10684/7	pad	path
10688/5	Many	Maybe
10701/13	DR. SOLER	Dr. Ostadan
10713/13, 14	wave	weight
10721/23	match	maximize
10723/2	you	he
10732/7	1,2	0.2
10733/21	they	the
10734/9-10	zero compression in the wave	precession in the base
10745/9	DR. SOLER	Dr. Tseng
10749/9	transferred to	transformed due to
10751/9	Singh	Tseng
10753/21	DR. SOLER	Dr. Tseng
10755/5	one and one eighths	one eighth
10764/17	Singh's	Tseng's

Page/Line	Delete	Replace deleted text with:
10766/8	one	free
10793/10	there is	if there is
10796/17	bases	cases
10834/14	Dr.	Mr.
10834/14-15	[Remove from the bound hearing transcript the deposition transcripts of Mr. Trudeau and Dr. Wissa]	[Insert into the bound hearing transcript the <i>Joint Testimony of Paul J. Trudeau and Anwar E.Z. Wissa on Section C of Unified Contention Utah/QQ</i>]
10837/2, 7	III	GGG
10870/9	compressor	compressive
10876/22	pattern placement	pad emplacement
10881/3	Well, now	We'll know
10885/11-25	<p>But that assumption is based on the assumption that there would be quality assurance people on-site, that there'd be sufficient lab testing. That's based on your – on the quality of work that you would expect from yourself. Right? If some other contractor – if some other person did this, such as AGECE, you don't know what they would require.</p> <p>DR. WISSA: They're not the design engineers. They're a testing lab, so that isn't it up to them to make a decision on this.</p> <p>MS. CHANCELLOR: You're correct.</p> <p>DR. WISSA: The person who makes the decision is the owner. And usually, I don't know about with NRC, but in other fields where we have to</p>	[Duplicative: see 10886, lines 23-25; 10887, lines 1-9]
10886/1-22	get permitting, it becomes a requirement of the permit	[Duplicative: see 10887, lines 9-25; 10888, lines 1-6]

Page/Line	Delete	Replace deleted text with:
	<p>condition, is to have this quality assurance program, and quality control program as part of the conditions of a permit, so I would assume that in this case you would have conditions requiring these – this type of testing program.</p> <p>MS. CHANCELLOR: You've used the term "owner". Who are you referring to?</p> <p>DR. WISSA: Well, the owner, I suppose, is the applicant in this case.</p> <p>MS. CHANCELLOR: Private Fuel Storage.</p> <p>DR. WISSA: Right.</p> <p>MS. CHANCELLOR: And are you aware of any NRC requirements with respect to PFS' proposed Soil Cement Program, not just testing, testing through construction. Are you aware of any NRC requirements?</p> <p>DR. WISSA: I'm not familiar with any of the requirements of NRC.</p> <p>MS. CHANCELLOR: Now in terms of how you would actually prepare the site, would the first thing you'd do would be to excavate the surficial layer. Is that correct?</p>	
10887/3	don't what	don't know what
10887/6	testing that	a testing lab
10887/7		<p>[Missing text: After "... decision on this." Insert as follows (see 10885, line 22):</p> <p>"Ms. CHANCELLOR: You're</p>

Page/Line	Delete	Replace deleted text with:
		correct. DR. WISSA: "]
10887/10	firmitiy	permitting
10887/10	firmitie	permit
10900/8	source	soil
10901/6	essay	ESSOW
10911/18	less	lifts
10911/25	in vision	envisioned
10920/15	enforced	reinforced
10927/22	cast	cask
10828/19	lead	meet
10930/11	Ostadon	Ostadan
10946/13	impressive	compressive
10980/13	is ASF E	
10989/6	silk	silt
11002/5	submit	cement
11002/6	submit	cement
11004/1	confined	unconfined
11004/23	the similar	dissimilar
11005/5	the similar	dissimilar
11006/18	glass	class
11006/23	discovery	the PFS
11007/17-18	post-related (phonetic)	postulated
11009/11	earlier	aeolian
11010/17	mandatory (phonetic) distribution	minor redistribution
11012/7	relative wall (phonetic)	water table
11016/20	we	
11018/4	people have	people that have

Page/Line	Delete	Replace deleted text with:
11018/5	analysis	NRC
11018/7	testing	applications
11019/6	made	would have made
11019/13	analysis	NRC
11024/4, 5, 7	parts	pads
11024/15	status	static
11024/18	study parts	storage pads
11025/20	Lambridge (phonetic)	Lambrechts
11025/22	panel	channel
11027/9	part	pad
11027/25	clay in	clayey
11030/18	the point	a point
11088/4	very fast	verify
11088/22	prode (PH) and	procedure that
11088/23	(Telephone ringing.)	was appropriate
11093/16	problem	program
11125/12	sediment	settlement
11134/11	where	whether
11134/12	from	formed in
11134/13	through the	treated
11154/5	, it's concern	is concerned
11158/11-12	some of the	thermal
11159/17	consistent	inconsistent
11161/4	Ostedon	Ostadan
11162/24	remodeling	remolding
11163/4	remodeling of the place	remolding of the clay
11167/1	whole	soil
11182/20	cost	cause

Page/Line	Delete	Replace deleted text with:
11220/8	pigment	placement
11232/18-19	(Insert prefiled testimony of Dr. Wissa and Mr. Trudeau.)	(Insert <i>Rebuttal Testimony of Paul J. Trudeau and Anwar E.Z. Wissa to Direct Testimony of State of Utah Witnesses Dr. Steven F. Bartlett and James K. Mitchell on Section C of Unified Contention Utah L/QQ.</i>)
11244/5	cells	soils
11275/22-23	(Insert prefiled testimony of Peter Trudeau here.)	(Insert <i>Rebuttal Testimony of Paul J. Trudeau on Section D of Unified Contention Utah L/QQ here.</i>)
11306/1-2	(Insert prefiled testimony of Dr. Bartlett)	(Insert <i>State of Utah Partial Surrubuttal [sic] Testimony of Dr. Steven F. Bartlett to Rebutal [sic] Testimony of Paul J. Trudeau on Unified Contention Utah L/QQ (Dynamic Analyses.)</i>)
11323/19	egress	ingress
11327/23	A Correct. Let's	A Correct. Q Let's
11342/12	MR. TRAVIESO-DIAZ	MR. TURK
11504/15	no adequately protect	not adequately predict
11574/10	Abuqus	Abaqus
11575/21	the outdated PFS design's attempt	tested PFS's design intent
11576/7	displacement shocks	displacements
11618/5	caskability	cask stability

Page/Line	Delete	Replace deleted text with:
11724/5-6	(Insert pre-filed testimony of Mr. Peter Trudeau and Dr. Anwar Wissa.) ¹ [Also remove from the bound hearing transcript the <i>Rebuttal Testimony of Paul J. Trudeau to Testimony of State of Utah Witness Dr. Stephen [sic] F. Bartlett on Section C of Unified Contention Utah L/QQ (Soils Characterization).</i>]	
11782/24	EPRI	ISFSI
11783/8	EPRI	ISFSI
11783/10	ESPC	ISFSI
11787/4	test	take
11787/6	variation, or	variation of
11789/3	is in	is not in
11792/19-20	analysis proved the static	analysis, through pseudostatic
11805/16	analysis (UDTA)	NRC staff calls "reasonable assurance"
11810/18	rock. The penetrometer is a rock	rod. The penetrometer is a rod
11812/12	(UDTA)	stratigraphic
11813/12	computation	cone penetration
11815/21	lies	that lies
11817/23	explicitly (UDTA)	by explicit correlation
11831/5	unusual	useful
11831/7	lacostering	lacustrine
11857/22, 23	not	naught

¹ There is no need to insert the testimony of Mr. Trudeau and Dr. Wissa into the hearing transcript at this point, since it should be bound into the record when first discussed. See Tr. 10834. As noted, the rebuttal testimony of Mr. Trudeau bound into the transcript at this point should be removed.

Page/Line	Delete	Replace deleted text with:
11868/23	institute	in situ
11879/15	competent term (phonetic) at the	cone penetration tip
11891/15	myself	yourself
11891/16	by	in the
11892/8	some	from
11931/5	Peter	Paul
11934/5	pore	bore
11948/25	And	An
11954/20	(Insert pre-filed testimony of Mr. Peter Trudeau.)	<i>(Insert Rebuttal Testimony of Paul J. Trudeau to Testimony of State of Utah Witness Dr. Stephen [sic] F. Bartlett on Section of Unified Contention Utah L/QQ (soils characterization))</i>
11982/23	(Insert prefiled testimony of Dr. Steven Bartlett.)	<i>(Insert Surrebuttal of Dr. Steven Bartlett to PFS Witness Paul Trudeau's Rebuttal Testimony on Section C of Unified Contention Utah L/QQ)</i>
11983/17	it's	its
11993/12	change	chance
12016/7	for	
12016/9, 10	ten	thin
12019/20	axial test	axial extension test
12023/1	ten	thin
12028/1	PSE compression	PSE is not tri-axial compression
12028/1-2	that approximately that is – that can be	that, approximately, tri-axial compression is similar to
12029/7	K not	K_0
12031/19	analysis	NRC
12063/18, 24	40,000 MDW over MTU	40,000 MWD/MTU

Page/Line	Delete	Replace deleted text with:
12066/25	10 CRF	10 CFR
12071/5	a 2000 hour.	a 2000 hour year.
12075/2, 8, 9, 10	in tact	intact
12076/3	in tact	intact
12084/7	resident	residence
12096/19	is a site-specific	is site-specific
12098/12	be some affect, but not	be some effect, but
12102/24	ICEC	casks
12111/5	your basis	the basis
12124/25	light	like
12125/9	done	
12126/20	gets	get
12137/16	she	he
12138/3	to	
12138/4	an	a
12138/22	assemblage	assemblies
12139/1	cask	casks
12139/1	face	phase
12139/17	That	The
12141/21	that	
12145/12	larger than	
12146/13	and	in
12146/18	the same.	stay the same.
12148/18	perimeter that	perimeter of that
12149/1	you really	you are really
12149/18	of those	dose
12149/20	Eventually	Essentially
12152/22	that	

Page/Line	Delete	Replace deleted text with:
12152/23	aerobatic(PH)	adiabatic
12155/22	region	reason
12185/15	1	11
12187/11	intermittable	indeterminate
12192/8	And	An
12195/12	RC (PH) writes	COC works
12195/16	both	
12198/19	gaskets	cask
12203/1	phase now to the	phase but to the
12203/8	upride	upright
12203/12	off-side	offsite
12214/13	Sizemic	Seismic
12215/24	sizemic	seismic
12218/8	Stenfield (PH) Product	Spent Fuel Project
12222/12	accents	accident review
12222/13	which could	which shielding could
12222/14	or	for
12224/19	phenomenon	phenomena
12236/1	general	shielding
12244/7	to be the same, they are	not to be the same, they have
12260/23	of	with
12261/4, 5	MCMP	MCNP
12261/6	for	with
12261/23	and cleaned	including
12269/3, 7, 8	masks	mass
12270/4	SCR	SER
12281/1	reduced	produced
12281/10	lack	activation

Page/Line	Delete	Replace deleted text with:
12283/18	O	zero
12284/18	cobalt	Cobra
12297/13	WATERS	TURK
12314/21	boundary	bounding
12315/13	what	with
12321/25	dos	dose
12322/23-24	some at	Number
12334/15	increase	decrease
12335/17	non-magnic selic	non-mechanistically
12336/17	field	fuel
12344/11	ISG	SRP
12371/21	water in	water under
12374/13	as	out of
12375/22	Y	
12395/23	conclusionary	conclusory
12400/23	ANCIS	ANSYS
12411/11	Do you what	Do you know what
12558/14	of	if
12558/22	of	from
12564/23	do they	they do
12566/22	Yes, please.	Yes, please admit PFS Exhibit Nos. 241, 242, and 243.
12583/5	wee	were
12593/24	MPC's wall is	the MPC is welded shut
12616/12	construction	construct
12647/23	they	that
12648/8	DR. RESNIKOFF: Yes.	
12648/24	(Insert pre-filed testimony of Dr. Stamatakos.)	(Insert NRC Staff Rebuttal Testimony of Dr. John A. Stamatakos concerning Unified

Page/Line	Delete	Replace deleted text with:
		<i>Contention Utah L/QQ, Part E (Seismic Exemption)</i>
12649/25	in	at
12650/5	center	Center
12650/7	in	at
12659/22	inside	inset
12659/23	was	
12660/13	boundary. Namely	boundary, namely
12664/13	symbol	symbols that
12664/15	did	used
12665/15	plated (PH)	planar
12665/17	listric (PH) as those	listric. Those
12667/12	rate one way of looking at is the	rate is one way of looking at the
12667/14	as	
12686/1	has	was
12691/10	provided, this	provided. This
12694/4	stand at	have Standard
12695/13	which Commission	which the Commission's
12695/17	can't come	and came
12702/11	topical Corps (PH) 2	Topical Report 2
12702/14	overall	over all
12704/22-23	the INEEE	IEEE
12705/2	designed then	designed for, then
12705/23	a	
12710/15	fox	Box
12712/23	cites	sites
12713/3	separately	separating
12714/8, 10, 13	economic	Yucca Mountain
12714/12	to modeled	to be modeled

Page/Line	Delete	Replace deleted text with:
12714/21	source that side	source side
12714/25	separately	separating
12715/13	eolian (PH) tor	aleatory
12721/2	Short in	Short. In
12721/2	paper that	paper,
12721/4	the	
12721/22	at that	at. That
12746/7	occurrence	recurrence
12748/1	mainly I'm	mainly -- I'm
12761/7	ESHA	PSHA
12806/1	used	is used.
12810/11	has	had
12825/21	on the	other than
12839/20	.1	1.1
12843/13	admission	omission
12849/5	past	pads
12914/11	passed	past
12951/17	(Insert prefiled testimony of Dr. Allin Cornell.)	(Insert <i>Rebuttal Testimony of C. Allin Cornell to the Testimony of State Witness Dr. Walter J. Arabasz on Section E of Unified Contention Utah L/QQ</i>)
12952/17	of	
12952/18-19	factor. Such as I inferred from the 6728	factor, such as I inferred from NUREG 6728,
12952/19	PRA is	those PRAs
12953/10	would	it would
12953/24	I guess	against
12954/10	particular one	person
12955/9	conservatism	conservative side

Page/Line	Delete	Replace deleted text with:
12956/1	danthing (PH)	damping
12956/22	less	less than
12961/25	is	it is
12963/9	isolatham (PH)	isolation
12965/5	simply	simplify
12966/13	design	designed
12966/21	10,000	of 10,000
12973/12	would	he would

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