UNITED STATES OF AMERICA NUCLEAR REGULATORY COMMISSION

In the Matter of	Docket No. 50-70
GENERAL ELECTRIC COMPANY	Operating License
(Vallecitos Nuclear Center -)	No. TR-1
General Electric Test Reactor)	(Show Cause)

SHOW CAUSE HEARING TRANSCRIPT CORRECTIONS

Page	Line	Correction
227	2	Change "laboratory" to "vibratory"
227	13	Change "techtonics" to "tectonics"
		Add "I" after "end,"
227	22	Delete "that"
227	25	Change 'to which West' to "west of
		which"
228	5	Following "with the" add "far plate"
228	8	Delete "of"
228	17	Change "maximum magnitude" to
		"ma dimum credible magnitude"
228	19	Change "features as" to "features
		regarded as"

Page	Line	Correction
228	20	Change "maximum event" to "maximum
		credible event"
229	4	Change "Santa Susanna" to "Santa
		Susana"
229	17	Change "order and rela-" to "order.
		Rela-"
229	18	Change "that is a much" to "that it
		is a much"
229	22	Change "techntonic" to "tectonic"
234	18	Change "views" to "view"
235	24	Change "Terra" to "TERA"
237	24	Change "life" to "light"
238	13	Change "The part" to "Part"
239	21	Change "at" to "that"
244	11	Change "techtonic" to "tectonic"
245	4	Delete comma
245	5	Change "confidence" to "competence"
245	15	Delete "to"
245	16	Add period after "area". Delete "so
		that".
245	19	Change "phenomena problems" to
		"phenomena and problems"
255	10	Change "Van Mark" to "Vanmarcke"
267	1.5	Change "projects" to "project"

Page	Line	Correction
291	12	Change "movement" to "moment"
291	13	Change "movement" to "moment"
292	1	Change "mott ment" to "moment"
292	25	Change "probably" to "probably not"
295	4	Cange "our" to "are"
296	15	Delete "of the"
296	18	Insert "the absence of" between "with"
		and "any"
298	24	Change "means" to "needs"
299	10	Change "techtonic" to "tectonic"
304	16	Change "is" to "as" and delete "of"
305	4	Delete "we"
305	17	Change "on" to "of"
309	3	Change "empiracle" to "empirical"
309	9	Change "spread, plotted" to "spread
		of plotted"
316	14	Change "Schlieman" to "Schlemon" and
		on several following pages
316	15	Change "stratographic" to "stratigraphic"
323	2	Change "and" to "in"
334	13	Should read: "That was why it was
		not included."
351.	6	Should read: "wedge of clay"
351	9	Change "escarp" to "a scarp"
351	23	Change "on more than" to "on no more than"
352	19	Change "approximately" to "approximate"

Page	<u>Line</u>	Correction
358	8	Change "or" to "of"
358	22	Should read: "It was a movement
		which occurred previously."
359	18	Should read "I believe the other
		explanation was no offset at all."
370	1	Change "strategraphy" to
		"stratigraphy"
389	23	Change "trench" to "trend"
391	16	Change "feature" to "future"
391	17	Change "no" to "two"
395	11	Change "you" to "the"
396	5	Change "ones" to "once"
396	6	Delete first "random"
398	10	Change "and" to "to"
407	7	Add "any loss of lateral"
408	7	Change "equation" to "shear"
409	5	Change "the" to "in"
415	5	Change "Lakewood" to "Lakeview"
421	4	Change "in echelon" to "en echelon"
431	21	Change "techtonic" to "tectonic"
431	24	Change "techtonic" to "tectonic"
432	6	Change "techtonic" to "tectonic"
432	15	Change "techtonic" to "tectonic"
435	20	Change "Harding" to "Meehan"
435	24	Change "whether" to "where"

Page	Line	Correction
435	25	Add: "exists after scientists"
436	7	Change "Harding" to "Meehan"
437	15	Add: comma after "matter,"
437	20	Change "regard" to "regarding"
437	21	Delete "that"
438	1	Add comma after "view,"
439	8	Add comma after "are,"
439	10	Change "incline" to "inclined"
440	12	Change "and" to "that"
442	9	Change "accumulated" to "cumulative"
442	10	Change "accumulating" to cumulative"
445	18	Change "mottled" to "modeled"
445	21	Change "mottled" to "modeled"
446	6	Change "ailures" to "failures"
452	2	Change "obstruct" to "disrupt"
457	9	Change "due" to "do"
459	16	Change "neat" to "new"
460	20	Change "L" to "1"
462	10	Insert "of" between "independent"
464	2.5	Change "they" to "we"
478	15	Change "expresses" to "expressions"
479	10	Change "most" to "almost"
493	4	Change "might" to "maybe"
496	4	Change "again" to "now"
496	5	Change "soild" to "soil"
496	8	Insert "upon" between "graph" and "which"

Page	Line	Correction
507	18	Change "how" to "where"
507	24&25	Should read: "westernmost fault
		shown on the map which is the
		Hayward fault and several other
		areas on the map."
508	2	Delete "a so-called" Replace with
		"the"
508	6	Insert "all earthquakes of magnitude
		less than 4" after "map"
509	3	Change "waive" to "wave"
509	8	Change to "type of first motion
,		determined from seismological
		measurements"
509	23	Add: "either strike-slip or thrust
		mechanisms."
510	20	Change "is" to "as"
510	23&24	Change to "over 80 different
		earthquakes from worldwide locations
		which correlate"
511	1	Delete "the thing is"
511	2	Change "a" to "the"
311	10	Change "5 - 6 meters" to "0.5 - 0.6
		meters"
527	13	Change "grading" to "gradient"
529	15	Change "Brun" to "Brune"
	16	Change "forthcome yet" to "been
		received yet"

Page	Line	Correction
537	12	Change "McEvely" to "McEvilly"
544	23	Change "fice" to "far"
550		Change "Richard Kovach" to "Robert Kovach"
553	3	Change "chart" to "Sharp"
553	8	Delete "California Division"
553	9	Change "of Mines and Geology" to
		"U.S. Department of Commerce"
553	24	Delete "many times"
554	19	Change "" to "the data after"
555	1	Delete "and"
555	2	Delete "using"
576	. 15	Change "Kovachs" to "Kovach"
584	2	Change "situations which" to
		"situations in which"
588	16	Change "and" to "but"
590	14	Change "Mara" to "Mare"
593	3	Delete "Southern"
621	23	Insert "Imperial Valley earthquake data"
		between "the" and "require"
635	10	Change "Milindi" to "Melendy"
642	8	Change "waive" to "wave"
643	24	Change "of very" to "very"
646	5	Change "albeing" to "albeit"

Page	Line	Correction
648	3	Delete apostrophe
648	4	Delete apostrophe
648	22	Change "Big Ben" to "Big Bend"
649	4	Change "off" to "away from"
650	7	Delece "and"
651	11	Change "pleato" to "pleito"
662	13	Change "S-T" to "S-P"
684	21	Change "mind mind" to "my mind"
691	12	Change "E wave" to "P wave"
701	22	Change "waive" to "wave"
1906	5	Insert "and" between "criterion" and
		"design" .
1906	6	Change "panel" to "panels"
1907	1	Change "scarmmed" to "scrammed"
1910	11	Delete "all of"
1910	19	Delete "themselves"
1910	23	Delete "themselves"
1911	14	Insert a comma after "capacity"
1912	8	Delete "sizes"
1912	9	Delete "of the"
1912	14	Change "structure" to "foundation
		soil"
1914	1	Change "stationery" to "stationary"

Page	Line	Correction
1915	2	Change "New modifications" to "Modifications
1917	3	Delete "each edge at"
1917	9	Change "Well, so we" to "We"
1918	3	Change "control rod," to "and control
		rod"
1919	17	Change "train" to "crane"
1920	4	Insert a period following the last
		word on the line ("boundary.")
1920	5	Delete "nearby and near in". Delete
		the semicolon after the word "in".
1920	5	Capitalize the word "There" to begin
		a new sentence.
1921	2	Delete the word "the" at the
		beginning of line 2.
1921	2	Insert "loading" after "inertia."
1926	2	Delete "and"
1926	3	Delete all after "structure"
1929	7	Change the word "filter" to "fuel"
1931	5	Change "loads" to "loads in
		compression,"
1931	5	Change "concrete" to "concrete is
		quite high"
1931	6	Delete
1931	15	Change "UVC" to "UBC"

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Page	Line	Correction
1962	1	Change "bend" to "bent"
1962	9	Change "crushed" to "crush"
1963	5	Insert "Q. Where is the location of the
		drain connection for reservoirs?"
1966	3	Delete "that wall would"
1966	4	Delete "be"
1966	4	Delete "ard"
1966	16	Change "surface" to "surface the wall
		could be damaged."
1968	3	Change "think" to "think it is
		worthwhile"
1968	. 3	Change the comma to a period
1968	4	Delete "that we use"
1968	24	Delete "physically"
1970	7	Change "no" to "only moderate"
1970	8	Delete "at the"
1970	9	Delete "essentially the same number
		with"
1970	10	Change "only slight" to "only
		moderate"
1970	10	Delete ", a few percent,"
1971	16	Change "would" to "could"
1972	14	Change "that" to "the"

Page	Lin 9	Correction
1976	9	Change the word "smapling" to
		"sampling"
1976	18	Change "instrumented, as" to
		"instrumented used tri-axial
		triggers. As"
1977	3	Change the word "canted" to "wanted"
1990	5	Change "Wilkes" to "Welch"
1994	16	Change "it" to "there".
1994	19	Change "hallo," to "hailer,"
1994	20	Change "hallo," to "hailer,"
1994	24	Change "circumstance" to
		"circumstances"
1995	1	Change "Curran" to "Kern"
1995	4	Change "direction" to
		"directionality"
1995	4	Delete the word "fix"
1997	11	Insert "in" after "finds". Delete
		"" at end of line
1998	13	Change "sufficial" to "surficial"
1998	17	Delete "subsoil" and insert in its
		place two words "soft soil"
1998	18	Change the word "sufficial" to
		"surficial"
1999	5	Change "Golden Gate the rupture" to
		"Golden Gate. The rupture"

Page	Line	Correction
2002	5	Change "Broley" to "Brawley"
2002	11	Change "Broley" to "Brawley"
2002	16	Change "Broley" to "Brawley"
2002	21	Change "Broley" to "Brawley"
2005	5	Change "technique" to "techniques"
2005	18	Change "Gosley" to "Gazli"
2006	5	Change "Shebolyn" to "Shebalyn"
2006	9	Change "Gosley" to "Gazli"
2006	16	Change first word "and" to "are"
2007	15	Change "strikeingly" - to "strikingly"
2007	19	Change "fources," to "forces,"
2007	23	Delete the fourth word "that"
2008	3	Delete the word "as" following the
		word "question"
2008	18	Add "and" between "electrical" and
		"small"
2020	5	Change "of" to "or"
2020	6&7	Insert "is" after the first word
		"now". In Line 7 change comma after
		word "lot" to a period. Capitalize
		word "In"
2021	6	Change "Heyward" to "Hayward"
2021	13	Change "Heyward" to "Hayward"
2021	18	Change "Heyward" to "Hayward"
2022	1	Delete "or" following "for"

Page	Line	Correction
2024	20	Insert "was" following "actually,"
2027	14	Change "Heyward" to "Hayward"
2027	15	Change "Heyward" to "Hayward"
2027	21	Change "Heyward" to "Hayward"
2031	22	Change "seismologic" to
		"seismological"
2036	8	Change "Nicuaragua" to "Nicaragua"
2036	16	Change the last word from "strike" to
		"site"
2044	8	Change "alludes" to "eludes"
2045	2	Change "big earthquakes? But there"
		to "big earthquakes but there"
2045	3	Change punctuation after the word
		"say" from a period to a question
		mark "say?"
2046	17	Change "Bank of America" to "Banc
		Centrale"
2049	2	Delete "that" preceding "is"
2050	19	Insert "them" following word
		"increase"
2051	11	Delete "to" following the word
		"prefer".
2052	5	Change "gith" to right"
2057	7	First figure on line 7. Change from
		".12g" to "1.12g"

Page	Line	Correction
2060	21	Change "personally" to "closely"
2072	12	Change "Leek" to "Lick"
2073	14	Delete "that" preceding "Figure"
		(Should only be one "that")
2073	20	Change "Kovatch" to "Kovach"
2073	24	Insert "" between "fixed" and
		"because"
2073	25	Insert "" between "stations" and
		"within"
2074	2	Insert "" between "graphs" and
		"the". Delete the comma following
		the word "graphs"
2074	2	Insert "" between "changing." and
		"But"
2074	12	Change "focil" to "foci"
2075	17	Change "Th-t" to "That"
2083	4	Delete "that question"
2083	8	Change "it is" to "the response is"
2083	10	Delete 'to me'
2083	15	Change "and" to "the motion of"
2083	16	Change "amplified" to "highly
		amplified"

Page	Line	Correction
2083	18	Change "in" to "and"
2086	13	Change "Th-t" to "That"
2094	24	Change "spectra" to "spectral"
2095	25	Change "hull" to "shell"
2108	8	Insert "of" after "frequency"
2113	20	Delete "are"
2113	20	Change "seeing" to "see"
2117	17	Change "has" to "have"
2119	2	Change "from" to "for"
2119	4	Change the word "taks" to "takes"
2123	9	Insert the word "I" between the words
		"as" and "am"
2124	15	Delete "basically"
2126	7	Delete "of the reactor,"
2127	23	Delete "the failure,"
2128	13	Change "wall" to "wall perpendicular
		to the wall"
2129	11	Change "are" to "is"
2137	16	Change the word "operated" to
		"irradiated"
2139	14	Insert the word "and" between the
		words "canal" and "pool"
,2141	10	Insert the word "of" between the
		words "failure" and "parts"

Page	Line	Correction
2141	16	Change the fourth word "in" to "and"
2143	4	Following the word "reactor," insert
		the word "and" (i.e., "reactor, and
		in the reactor")
2143	24	Change the word "issuance" to
		"exposure"
2159	14	Change "motions, in" to "motions,
		design criteria are developed. In"
2159	25	Change "criteria, but" to
		"criteria. But"
2160	8	Change "near" to "at"
2160	. 8	Change "at" to "below"
2160	13	Change "of" to "at"
2161	4	Change "or arrive" to "as
		appropriate"
2161	6	Change "frequency" to "frequencies"
2161	7	Change "frequency" to "frequencies"
2161	8	Change "is" to "are"
2161	16	Change "put" to "output"
2162	25	Change "P" to 'peak"
2163	5	Change "those" to "these criteria"
2163	6	Change "acceleration, and I" to
		"acceleration. I"
2163	9	Change "that" to "these far field
		criteria motions"
2164	14	Delete "by"

Page	Line	Correction
2164	17	Delete "of space"
2165	19	Change "to form" to "of the form"
2165	23	Change "off" to "of"
2165	23	Change "wall. That is" to "wall,
		that is,"
2165	24	Change "Certainly" to "Certainly, it
		would be"
2166	1.	Change "both" to "two "
2167	15	Change "those" to "these"
2166	2 3	Change "use" to "use as a criterion"
2168	1	Change "high," to "higher,"
2168	2	Change entire line to 'number'
2168	3	Delete entire line
2168	15	Change "lower" to "lower load"
2171	2	Change "That is, the" to "The"
2171	3	Delete "the center of gravity"
2171	7	Change "that" to "as"
2171	8	Change "part" to "path"
2171	8	Change "in" to "and"
2171	23	Change "and" to "in"
2175	3	Change "February 2tth" to "February
		25 th"
2179	1	At the beginning of the line, insert
		"was" before "lost"
2179	2	Change "what" to "that"
2218	9	Change "cooland" to "coolant"
2218	10	Change "conctainment" to "containment"

Page	Line	Correction
2218	21	Change "C" to "seized"
2258	22	Change "findings" to "buildings"
2278	12	Change "vice" to "vise"
2281	10	Change "of" to "to"
2285	9	Change "The entire" to "Part of the"

Respectfully submitted,

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DATED: June 26, 1981

UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

In the Matter of) Docket No. 50-70
GENERAL ELECTRIC COMPANY) Operating License
(Vallecitos Nuclear Center - General Electric Test Reactor)) No. TR-1) (Show Cause)

CERTIFICATE OF SERVICE

I hereby certify that the foregoing has been served as of this date by personal delivery or first class mail, postage prepaid, to the following:

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Dated: June 26, 1981