

MARCH 31, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
3656, Line 22	Change "constructural" to "structural"
3663, Line 14	Change "SCR's" to "SER's"
3667, Line 14	Change "bulletin" to "document"
3670, Line 4	Delete, "the prehearing conference"
3675, Line 20	Change "after" to "as to"
3680, Line 17	Change "Morgan" to "Oregon"
3681, Line 13	Change "and" to "in"
3681, Line 18	Following "questions?" add "A. No."
3683, Line 3	Change "Morgan" to "Oregon"
3683, Line 12	Change "procedure" to "proceeding"
3683, Line 25	Change "questions to answers" to "answers to questions"
3684, Line 18	Change "Veal" to "Beale"
3684, Line 19	Change "engineering" to "Engineering Manager"
3686, Line 3	Change "were placed" to "for Plates"
3686, Line 7	Change "why" to "part of"
3687, Line 9	Change "see from fine" to "find"
3689, Line 24	Change "Bess" to "Bettis"
3694, Line 3	Change "pretrial" to "prefiled"
3694, Line 12	Change "that a" to "for the"
3694, Line 13	Change "has revised to" to "as revised through"

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<u>Tr. Reference</u>	<u>Correction</u>
3695, Line 4	Change "as been supplemented" to "submitted"
3696, Line 20	Change "through" to "to"
3696, Line 23	Change "revolution" to "evolution"
3698, Line 10	Change "bill" to "submittal"
3699, Line 13	Add "responding to" before "matters"; change "in identifying" to "identified"
3699, Line 14	Change "to" to "at the"; put a period after "conference" and then begin a new sentence with "As I understand it,"
3699, Line 16	Place a comma after "condition"; delete "As I understand it"
3699, Line 25	Place a period after "that"; capitalize the letter "f" in "from"
3701, Line 5	Change "License's condition" to "License conditions"
3701, Line 8	Change "License's" to "License"
3702, Line 19	Change "and" to "then"; insert "have" before "N"
3702, Line 20	Change "it" to "the wall"
3705, Line 2	Change "end" to "ends"
3705, Line 3	Change "end" to "N"
3705, Line 9	Insert "part" after "upper"
3705, Line 19	Change "46. The" to "46, the"
3707, Line 5	Change "these the steel" to "the steel plate which"
3707, Line 17	Change "bit of" to "better"
3708, Lines 23 and 24	Change "in" to "N"
3709, Lines 13 and 22	Change "in" to "N"
3709, Line 23	Change "typing" to "tying"

MARCH 31, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
3710, Lines 3 and 14	Change "in" to "N"
3710, Line 5	Delete "followed with the construction"
3711, Line 22	Insert "when" before "we"
3712, Line 4	Change "in" to "N"
3712, Line 5	Change "plates" to "placed"
3712, Line 22	Insert "of the" before "Chairman"; remove the period; add the word "that" before "it"
3713, Line 19	Change "eight" to "78"
3713, Line 23	Change "and the question" to "in the answer"
3716, Line 4	Change "chasted" to "chased"
3716, Line 6	Change "by" to "for"
3717, Line 3	Change "destruct" to "be struck"
3717, Line 17	Change "that with the" to "have other"
3721, Line 8	Change "work" to "wood"
3721, Line 15	Change "SCR" to "SER"
3721, Line 16	Change "Ewing" to "Viewing"
3724, Line 4	Change "obtained" to "contained"
3724, Line 25	Add "equipment" after "safety-related"
3725, Line 23	Change "--" to "spectra"
3726, Line 4	Change "remove" to "move"
3726, Line 5	Change "spectres" to "spectra"
3726, Lines 6, 7, 10 and 18	Change "spectre" to "spectra"
3726, Line 8	Change "--" to "and components."
3726, Line 10	Change "forward" to "floor"

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<u>Tr. Reference</u>	<u>Correction</u>
3726, Line 11	Change "in" to "on"
3726, After Line 18	Insert "A. Yes"
3726, Line 19	Insert "Q." before "Mr."
3726, Line 20	Insert "be" before "modified"
3727, Lines 1 and 13	Change "trace" to "trays"
3727, Line 18	Change "whole" to "floor"
3728, Line 1	Change "trace" to "tray"
3728, Line 3	After "imposed?" insert "A. Yes. Q."
3730, Line 1	Change "20" to "21" in both instances
3731, Line 18	Change "5" to "6"
3732, Lines 20 and 21	Delete "the modification of"
3733, Line 15	Insert "acceptable" after "finds"
3734, Line 6	Change "ub iyr orioised" to "in our proposed"
3736, Line 3	Insert "be" after "conceivably"; change "generate it" to "generated"
3737, Line 20	Change "graph" to "grout"
3738, Line 8	Change "contract" to "content"
3741, Line 10	Change "Broehl" to "Anderson"
3741, Line 13	Change "Q." to "Mr. Axelrad"
3742, Line 4	Change "is still" to "has"; change "into (earth's pristine)" to "the instrumentation"
3743, Line 3	Insert "the River and" following "parallel"
3743, Line 4	Change "with" to "will follow"; after "River's" add "direction"
3743, Line 18	Change "a-typical" to "is typical"

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<u>Tr. Reference</u>	<u>Correction</u>
3744, Line 3	Change "coast" to "Trojan"
3745, Line 6	Insert "annunciator" after "shock"
3745, Line 8	Delete "in size"
3747, Line 22	Change "rught" to "proof"
3757, Line 4	Change "pipes" to "plates"
3760, Line 12	Change "four" to "for"
3760, Line 15	Change "gravit" to "grouted"
3760, Lines 17 and 21	Change "gravit" to "grout"
3760, Line 20	Change "gravit-in" to "grouted in"
3760, Line 24	Change "ground" to "grouted"
3760, Line 25	Remove parentheses
3761, Line 1	Change "even raises the" to "8 is raised into"
3761, Line 3	Change "in" to "and"
3762, Line 22	Change "C of our" to "CFR"
3762, Line 23	Change "that it" to "what"
3762, Line 24	Change "not" to "no"
3764, Line 15	Change "inaccessible" to "accessible"
3764, Line 17	Change "a" to "adding"
3767	Nonexistent page
3769, Line 7	Insert "room" after "document"
3769, Lines 9 and 10	Change "for your" to "after the prehearing"; change "a" to "as to the"; insert "in an area" after "people"
3769, Line 19	Change "projecting" to "protection"
3770, Line 19	Change "base" to "bay"

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<u>Tr. Reference</u>	<u>Correction</u>
3772, Lines 7 through 9	Change "common tip" to "diamond-tipped"
3774, Line 3	Change "Somebody illustrated" to "this is illustrated in"
3774, Line 18	Change "surface" to "service"
3775, Lines 15 and 20	Change "surface" to "service"
3775, Line 18	Change "deal of case backup" to "yellow case backhoe"
3775, Line 25	Change "8" to "A"
3776, Line 16	Change "drawing" to "drilling"
3777, Line 2	Change "surveyor's" to "survey"
3778, Line 1	Change "miss the" to "may hit"
3778, Line 9	Change "situated" to "safety"
3780, Line 4	Change "... " to "drilled hole"
3780, Line 12	Change "hole" to "whole"
3780, Line 19	Change "45.(d)" to "45 feet"; change "Anderson" to "White"
3782, Line 1	Delete "frequent"; delete "to"
3782, Line 2	Change "thick" to "diameter"
3783, Line 4	Change "NSAR" to "FSAR"
3783, Line 15	Change "Excess" to "Access"
3785, Line 18	Change "married to insulated wire" to "American Insulated Wire"
3788, Line 9	Change "complete" to "plate"
3788, Line 21	Delete "bent"
3789, Line 5	Change "vacant" to "wide flange"
3789, Line 9	Change "counter" to "column"
3789, Line 23	Change "tubing" to "moving"

MARCH 31, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
3790, Line 9	Delete "vault"
3790, Line 18	Change "grafting" to "grouting"
3790, Lines 18, 19 and 21	Change "spaces" to "spacers"
3790, Line 22	Insert "Q." before "But"; change "graft..." to "grout dams"
3790, Line 24	Change "grafted down washers" to "grout dams"
3791, Lines 2 and 4	Change "Graftings" to "Grout dams"
3792, Lines 4, 5 and 6	Change "guard" to "guide"
3794, Line 22	Change "sites nuclear" to "seismically"
3796, Lines 5 and 7	Delete "hidden"
3796, Line 22	Change "boring" to "lowering"
3797, Lines 11 and 14	Change "three" to "through"
3797, Line 13	Change "cord" to "core"
3797, Line 22	Change "(a)" to "B"; change "X-L" to "HEXCEL" (all references in the transcript to "HL" or "XL", although not listed here, should be considered to refer to "HEXCEL")
3799, Line 11	Change "imply" to "simply"
3800, Line 9	Change "curbing" to "cribbing"
3800, Line 13	Change "floor" to "piece" in both instances
3801-3880	Nonexistent pages
3881, Line 6	At the end of this line insert "for an"
3881, Line 17	Delete "heretical"
3883, Line 20	Change "addition" to "condition"
3884, Line 9	After "Axelrad:" insert "There was no proposed license condition."

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<u>Tr. Reference</u>	<u>Correction</u>
3886, Line 17	Change "crosses discussion" to "has been discussed"
3886, Line 22	Change "three in five" to "one, three and five"
3887, Line 22	Insert a period after "percent"; capitalize "in"
3887, Line 23	Insert a comma after "this"
3887, Line 24	Lower case the "T" in "There"
3888, Line 1	Change "depression" to "compression"
3888, Line 2	Change "that is less than" to "much less"
3888, Line 3	Change "pressure" to "compression"
3888, Line 19	Change "to" to "as has"
3889, Line 1	Change "in" to "N"
3889, Line 25	Change "You" to "I"
3890, Line 9	Change "for" to "or"
3891, Line 21	Change "plan" to "plant"
3891, Line 22	Delete "of the plan"
3893, Line 5	Change "98" to "9A"
3894, Line 9	Change "blanch" to "flange"
3894, Line 15	Change "count" to "column"
3895, Line 19	Delete "both"
3895, Line 20	Delete "and the"
3896, Line 7	Change "swanded (?)" to "slotted"
3896, Line 19	Change "white flanch" to "wide flange"
3897, Line 15	Change "on up" to "up to"
3897, Line 22	Change "The" to "Then"
3898, Line 12	Insert "keep" between "to" and "the plates"
3898, Line 19	Change "formed" to "swung"

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<u>Tr. Reference</u>	<u>Correction</u>
3899, Line 8	Change "great" to "grade"
3899, Line 17	Change "Ashial (?)" to "AASHTO"
3900, Line 8	Change "H" to "A"
3900, Line 24	Change "burden" to "vertical"
3900, Line 25	Change "concrete" to "complete"; change "weeping" to "rigging"
3901, Line 2	Insert "inch" after "half"
3901, Line 4	Change "H" to "A"
3902, Line 2	Change "PTE" to "PGE"
3902, Lines 5 and 6	Change "effective rule" to "factor"
3902, Line 18	Change "Anderson" to "McCullom"
3902, Line 19	Change "45" to "25"; change "reading" to "rating"
3902, Line 25	Change "evaluating" to "evaluated"
3903, Lines 3 and 4	Change "filler" to "failure"
3903, Line 5	Insert a comma after "sliding"; change "die (?) potential" to "diagonal tension"
3903, Line 10	Delete "basis"; change "construction" to "capacity"
3903, Line 11	Change "sure" to "shear"
3903, Line 15	Insert "percent" after "3.5"; change "Walka (?)" to "wall"
3903, Lines 16, 21 and 23	Change "rebarb" to "rebar"
3903, Line 17	Delete the period and "It"
3903, Line 23	Change "in" to "by"
3903, Line 24	Delete "considering because that consumes"
3903, Line 25	Change "assuming severance" to "because it assumes damage"

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<u>Tr. Reference</u>	<u>Correction</u>
3904, Line 1	Change "rebarb" to "rebar"
3904, Line 7	Change "sheer" to "shear" (all references in the transcript to "sheer" should be so changed)
3904, Line 21	Change "'two 10" to ".2"
3905, Line 2	Change "sylinders" to "cylinders"
3905, Line 7	Change "case" to "cast"
3905, Line 10	Change "D" to "day"
3905, Line 11	Change "gased" to "cast"
3906, Line 4	Change "existing" to "resisting"
3906, Line 17	Change "existence" to "resistance"
3906, Line 23	Change "it" to "at"
3907, Lines 15 through 17	Change "duck down" to "duct bank"
3907, Line 17	Delete second "would"
3907, Line 22	Change "duck" to "duct"
3908, Line 24	Change "showing" to "shown"
3909, Lines 4 and 6	Change "duck" to "duct"
3909, Line 4	Change "entity" to "energy"
3909, Line 5	Change "lobes" to "loads"
3909, Line 9	Change "endulous" to "annulus"
3911, Line 7	Change "high" to "pipe"; delete "been"
3911, Line 8	Insert "would" after "we"; change "the like of" to "pleased to do so for"
3911, Line 11	Change "cutting into" to "expanding the"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
3918, Line 4	Change "Government" to "Licensee"
3920, Line 12	Change "gravity" to "grouted"
3921, Line 1	Change "Beanston" to "when installed in"
3921, Line 3	Change "inca" to "anchor"
3923, Line 11	Change "HL" to "HEXCEL"
3926, Line 20	Change "as" to "that"
3926, Line 22	Change "boring" to "lowering"
3928, Lines 3, 5, 10, 11 and 13	Change "deframation" to "deformation"
3923, Line 23	Change "shoe" to "shear"
3931, Line 19	Change "otehr" to "other"
3933, Line 3	Change "CAT" to "CAD"
3935, Line 19	Change "casing" to "placing"
3935, Lines 24 and 25	Change "sliding" to "seismic"
3936, Line 7	Change "sliding" to "seismic"
3938, Line 6	Change "surface" to "service"
3940, Line 13	Change "width" to "wythe"
3943, Line 13	Change "loopers" to "loops" in both cases
3949, Line 23	Change "Fletcher" to "flexure" (all future references to "Fletcher" should likewise be changed)
3950, Line 1	Change "double-barge" to "damage the bars"
3950, Line 12	Change "copule" to "couple"
3950, Line 21	Change "cline" to "plane"
3951, between Lines 1 and 2	Add the following response: "A (White) Yes."

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<u>Tr. Reference</u>	<u>Correction</u>
3955, Line 3	Change "plain" to "flange"
3957, Line 19	Change "prosprective" to "perspective"
3959, Line 1	Change "sitter" to "center"
3960, Line 13	Change "solumns" to "columns"
3960, Line 22	Change "plage" to "plate"
3964, Line 10	Change "guile" to "guide"
3969, Line 20	Change "96.7" to "96'7"
3974, Line 4	Change "Bat" to "slot"
3974, Line 20	Change "white" to "wider"
3975, Line 8	Change "criving" to "cribbing"
3977, Line 7	Change "auziliary" to "auxiliary"
3982, Line 18	Change "orange" to "four inch"
3984, Line 9	Change "ovserved" to "observed"
3984, Line 21	Change "there were" to "these"
3984, following Line 25	Add the following: "describe that process."
3985, Line 3	Change "performance" to "conformance"
3985, Line 6	Change "or" to "are"
3985, Line 14	Change "And we" to "And would"
3985, Line 18	Change "just" to "what"
3986, Line 17	Change "where is" to "where in"
3989, Line 4	Change "bable" to "cable"
3989, Line 24	Change "whole" to "hole"
3990, Line 24	Change "that will templet for that" to "we will make a template for that,"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
3991, Lines 15 and 17	Change "coded with a neo cream" to "coated with a neoprene"
3991, Line 22	Change "pentented" to "patented"
3992, Lines 6 and 12	Change "micubula" to "cupula"
3992, Lines 9, 14, and 20	Change "thermoide" to "thermite"
3992, Line 11	Change "glass" to "blast"
3995, Lines 10 and 12	Change "Mr. Axelrad" to "Dr. Paxton"
3995, Line 22	Change "Mr. Bell" to "Dr. Paxton"
4001, Line 5	Change "claried" to "clarifying"
4002, Line 6	Change "(white flanch)" to "wide flange"
4004, Line 10	Change "commission" to "conditions"
4005, Line 24	Change "Duke" to "Drew"
4006, Line 16	Change "Duke" to "Drew"
4012, Line 5	Change "'turbine building' and 'the'" to "turbine building and the"
4012, Lines 6 and 15	Change "cabin" to "cab"
4012, Line 13	Change "delete 'all after purposes'" to "delete all words after purposes"
4012, Line 21	Change "next to" to "after"
4013, Line 2	Insert "the words" after "all"
4013, Line 21	Change "sheer..." to "shear stresses"
4014, Line 14	Change "ratios of" to "ratios for"
4015, Line 4	Change "and" to "add"
4015, Line 13	Change "on to" to "onto"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4015, Line 13	Change "below," to "below occur,"
4015, Line 15	Change "and damage" to "and a damage"
4019, Line 1	Delete "put"; insert "be allowed to" before "extend"
4020, Line 7	Change "invited" to "provided"
4020, Line 8	Insert "there is" after "So"
4020, Line 15	Change "grounded" to "grouted"
4021, Line 15	Change "two" to "through"
4023, Line 9	Change "graviting of" to "grouting for"
4023, Line 14	Change "gravit" to "grout"
4023, Line 22	Change "crate" to "tray"
4024, Line 11	Change "Mr. Trammell" to "Mr. Ostrander"
4025, Line 1	Add "I am" at end of line
4025, Line 8	Change "controlled" to "proposed"
4029, Line 4	Change "sed" to "you"
4030, Line 8	Change "PDE" to "PGE"
4033, Line 3	Change "of bedding" to "Building"
4033, Line 13	Change "Axelrad" to "Gray"
4036, Line 23	Change "as" to "from"
4037, Line 3	Change "10-C-04-2.760A" to "10 CFR 2.760a"
4037, Line 6	Change "608" to "2.760a"
4037, Line 7	Change "760A" to "2.760a"
4037, Line 15	Change "760A" to "2.760a"
4038, Line 20	Change "a..." to "an amendment"
4041, Line 7	Change "Ostrander" to "Axelrad"
4042, Line 19	Change "as" to "be"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4052, Line 7	Change "ICC" to "Licensee"
4056, Line 16	Change "someone putting" to "some input from"
4056, Line 18	Change "he" to "we"
4063, Line 12	Change "shouldn't" to "should"
4063, Line 12	Change "...bolts fixed" to "all bolts installed"
4063, Line 13	Change "mixed" to "snug"
4064, Lines 19 through 20	Change "black drought" to "plate drop"
4067, Line 9	Change "auxillary" to "auxiliary"
4070, Line 5	Insert "A. (Clemenson) Yes."
4070, Line 8	Insert "A. (Clemenson) Yes."
4070, Line 25	Change "the and work" to "'the" and "work"
4072, Line 3	Insert "A. (Clemenson) Yes."
4072, Line 11	Delete "is"
4072, Line 12	Change "was to the" to "was in the"
4073, Line 14	Change "McGurren" to "Gray"
4075, Line 7	Change "a" to "the"
4075, Line 17	Delete "AND THE N"
4075, Line 18	Insert "what" after "and"
4075, Line 19	Change "add" to "have"
4075, Line 21	Change "access ofr" to "access for"
4075, Line 22	Change "fihthing" to "fighting"
4075, Line 25	Change "reivew" to "review"
4077, Line 5	Delete "is"
4077, Line 7	Change "detail of" to "detailed"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4079, Lines 2 through 3	Change "Welwis alloyed" to "weldless alloy"
4079, Line 5	Add the word "more" before the word "than"
4079, Line 6	Change "shackle" to "master link"
4080, Lines 23 through 24	Change "load would cause the plate to" to "force would come from to"
4081, Line 12	Change "your" to "the"
4081, Line 13	Change "rewire" to "rebar"
4084, Line 5	Change "theory" to "area"
4084, Line 18	Change "-- of the drop of washer" to "was of the drop of a washer"
4084, Lines 23 through 24	Change "on the -- let's see --" to "over the cable trays"; change "--" to "damage"
4084, Line 25	Delete one "by dropping"
4085, Line 1	Change "here" to "the planking"
4086, Line 3	Change "(Knithgt)" to "(Knight)"
4086, Line 13	Change "Before" to "Therefore"
4086, Line 15	Change "dropouts" to "drop heights"
4087, Line 23	Change "conduants" to "conduits"
4088, Lines 4, 10 and 11	Change "conduants" to "conduits"
4088, Lines 7 and 12	Change "(Kinght)" to "(Knight)"
4088, Line 18	Change "extinction" to "extinguishing"
4089, Line 21	Change "my" to "the"
4089, Line 22	Change "to" to "my"
4089, Line 24	Delete "(?)"; change "ethelene (?) propane" to "ethylene propylene"; delete "--"; change "hypon (?)" to "hypalon"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4090, Line 1	Change "hydrgleed (?) test, when" to "IEEE-383 cable test is concerned, it was not"
4090, Line 7	Change "were" to "was"
4090, Line 8	Delete "And that the --"; delete "." after "reluctantly"
4090, Lines 9 through 10	Change "test, the Staff, as far as the Staff" to "test. The Staff did not consider that as"
4090, Line 11	Change "you, was" to "you. It was"
4090, Line 12	Insert "same" before "configurations"
4090, Line 14	Change "I tripple" to "IEEE"
4091, Line 11	Change "foreign" to "form"
4091, Line 12	Change "divide" to "provide"
4091, Line 15	Change "coding" to "coating"
4091, Line 16	Change "a" to "the"
4092, Line 14	Change "and" to "on"
4092, Line 24	Change "Antenetti" to "Antonetti"
4092, Line 25	Change "engaged with" to "employed by Gage"
4093, Line 8	Insert "concerned." after "is"
4096, Line 8	Change "they will not be where" to ", when"
4096, Line 9	Change "going that" to "going on, that"
4096, Line 10	Change "certain" to "safety"
4096, Line 11	Change "way" to "area"
4096, Line 18	Change "am" to "an"
4096, Line 20	Change "he cannot take in" to "they will take in"
4096, Line 22	Change "we" to "they"; change "the" to "to"
4098, Line 10	Change "personnel" to "person"
4098, Line 11	Insert "on" after "accepted"

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

Tr. Reference	Correction
4098, Line 25	Change "the things" to "things are"
4099, Line 1	Change "that that" to "that this"
4099, Line 18	Change "giving" to "given"
4100, Lines 5 through 6	Change "there certainly would not be capable" to "it would certainly show up"
4100, Line 6	Insert "and" before "would"
4100, Line 7	Change "do" to "can"
4101, Line 1	Change "simply" to "simple"
4101, Lines 13 through 14	Delete "a function of a"
4101, Line 14	Insert "in nature" between "structural" and "which"
4103, Line 8	Insert "proof cranes as described in" between "failure" and "NUREG-0554"
4103, Line 17	Change "teh" to "the"
4103, Line 18	Insert "Regulatory Guide 1.104" between "in" and "has"
4104, Lines 3 and 4	Alter sentence to read "I can't answer the question."
4104, Line 22	Change "won't" to "will"
4105, Line 8	Change "north" to "west"
4106, Lines 13 through 19	Replace "The work is...answer." with "For example, concrete removal from the grooves to be cut in the floor, at periodic intervals, between Columns 41 and 46 along Column Line N prime will utilize an electrically powered diamond saw. I think it will be provided with a guard to prevent the applied water from being thrown by the saw and spraying the electrical cabinets as one might visualize from my previous answer."
4109, Lines 5 through 7	Replace "The noise level...control room." with "Aside from the control room the noise level I don't think is a big deal such as for example the electrical auxiliary room."

APRIL 1, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4109, Line 8 and 19	Change "INE" to "I&E"
4112, Line 24	Change "left" to "lift"
4118, Line 17	Delete "d" between "adequately" and "dealt"
4119, Line 20	Change "who is" to "whose"
4120, Line 5	Insert "point" at end of sentence.
4120, Line 15	Change "wellees" to "weldless"
4120, Lines 17 through 18	Change "reagard to the welless, alloyd (?)" to "regard to the weldless alloy"
4120, Line 19	Change "alloyd" to "alloy"
4120, Line 25	Change "raided" to "rated"
4121, Line 6	Change "alloyd" to "alloy"
4121, Lines 22 and 24	Change "raided" to "rated"
4122, Line 3	Change "raided" to "rated"
4122, Line 11	Change "slane" to "sling"
4122, Line 12	Change "hhe" to "the"
4124-4299	Nonexistent pages

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4301, Line 11	Insert "Yes" after "witness:"
4304, Line 5	Change "plant brigade" to "planking"
4304, Line 10	Change "Board" to "planking"
4304, Line 11	Change "a" to "those carrying the board could lay it down out of the way and allow the"
4304, Line 12	Change "in" to "through"
4304, Line 14	Delete first "have"
4305, Line 21	Delete "table"
4305, Line 23	Delete "there is"; insert "are" before "with"
4306, Line 1	Change "realize" to "relies"
4306, Line 9	Change "as if Liscensee's" to "that the license"
4307, Line 6	Delete "in charge"
4307, Line 7	Change "purchased " to "spur"
4307, Line 25	Change "descending" to "dissenting"
4308, Line 7	Change "inline" to "N-line"
4309, Line 24	Change "," to "."; change "which" to "It"
4310, Line 12	Change "this is a matter" to "these matters"
4311, Line 11	Change "tore" to "to be"
4311, Line 24	Change "Is it" to "It"
4313, Line 19	Change "or" to "on"
4314, Line 9	Change "are" to "cr"
4314, Line 22	Change "plate R 567" to "plates 5, 6 and 7"
4315, Line 2	Change "beam" to "weld bead"
4315, Line 7	Change "then the timber area supports the cripts for the wood can be" to "then the timber and supports, and the cribbing or wood can be"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4315, Line 9	Change "mount" to "amount"
4315, Line 12	Change "in quarter inches of" to "inches of one-quarter inch"
4315, Line 14	Change "SEE" to "SSE"
4315, Line 16	Change "bring you to your attention" to "bring to your attention"
4316, Line 1	After "plate" insert "8"
4316, Line 14	Change "welds in the bolts" to "welds and the bolts"
4316, Line 18 through 19	Change "is having 5 bolts that he has mentioned replaced" to "and the 5 bolts that he mentioned are in place"
4317, Line 11	Change "grading" to "scaffolding"
4320, Line 14	Change "from with wall R" to "from wall R"
4320, Line 21	Change "molds" to "modes"
4322, Line 1	Change "plate 7 to plate 6" to "plate 8 to plate 6"
4324, Line 1	Change "passing" to "loading"
4324, Line 10	Change "so" to "in"
4324, Line 21	Change "would be" to "would need"
4325, Line 4	Change "defined of" to "of 5 to"
4325, Line 10 and 13	Change "element" to "ultimate"
4325, Line 14	Change "in mind" to "increased"
4328, Line 6	Change "place" to "plate"; change "spaces" to "spacers"
4330, Line 9	Change "dose" to "does"
4330, Line 10	Change "under" to "on the"
4334, Line 14	Change "in" to "on"
4334, Line 16	Change "proposal" to "proposed"
4338, Line 4	Change "himself" to "itself"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4340, Line 3	Change "it may be refer to" to "we may be referring to"
4340, Line 4	Change "understand" to "understands"
4340, Line 14	Change "for instance" to "sequence"
4341, Line 8	Change "in-prime" to "N-prime"
4341, Line 18	Change "conflicts" to "Complex"
4342, Line 8	Change "new with all" to "new wall"
4342, Lines 17 and 18	Change "storage" to "story"
4342, Line 22	Change "move" to "much"
4343, Line 2	Change "with all" to "wall"
4343, Line 9	Change "capacity" to "capacity of the"
4344, Line 7	Change "being" to "beam"
4344, Line 8	Change "better" to "rebar"
4344, Line 13	Change "bear" to "by"
4351, Line 9	Change "night" to "nice"
4352, Line 24	Change "answer l An and E" to "answer 1A and E"
4355, Line 11	Change "W of B" to "V"
4356, Line 5	Change "B" to "V"
4358, Line 17	Change "vertical that is orthogonal" to "vertical. This is orthogonal"
4359, Lines 2 through 3	Change "force lapse" to "floor slabs"
4359, Lines 4, 16 and 25	Change "force" to "floor"
4359, Line 13	Change "sheer" to "shear"
4360, Line 3	Change "force slabs" to "floor slabs"
4360, Line 4	Change "comply" to "apply"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4360, Line 17	Change "in our section" to "in the other section"
4361, Line 1	Change "say a complex wall in one" to "say in a complex wall, one"
4361, Line 2	Change "mechanisms is the beam-column connection wa " to "mechanisms is the beam-column connection. Was"
4361, Line 8	Change "force slabs" to "floor slabs"
4361, Line 25	Change "brought" to "thought"
4363, Line 9	Change "enable" to "able"
4363, Lines 9 and 14	Change "abductal" to "ductile"
4363, Lines 19 and 21	Change "sheer" to "shear"
4364, Line 5	Change "sheer" to "shear"
4364, Line 16	Change "page 47 to" to "page 47, the"
4364, Lines 20 through 21	Change "can you a test the adequacy" to "can you attest to the adequacy"
4365, Line 12	Change "a safety factor to" to "a safety factor of 2"
4365, Lines 17 through 18	Change "object taped" to "obtained"
4367, Line 4	Change "I will have the same" to "it will have the same"
4368, Lines 2 and 16	Change "sheer" to "shear"
4368, Line 17	Change "70 one" to "7 one"
4368, Line 19	Change "develop of a factored" to "factored"
4368, Line 25	Change "do you know what did for that on an" to "do you know what the slip for that is on an"
4369, Line 1	Change "unfactored -- I'm sorry-- for the factored OBE loading" to "factored - I'm sorry - for the unfactored OBE loading"
4369, Line 12	Change "sheer" to "shear"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4369, Line 23	Change "so : Control Building is higher elevations of the Auxiliary" to "so, in the Control Building, in higher elevations of the Auxiliary"
4370, Line 6	Change "this would be for factored, it would be a" to "this would be for the unfactored OBE"
4370, Line 14	Change "sheer" to "shear"
4370, Line 16	Change "15" to "13"
4371, Line 25	Change "some curvatures" to "single curvature"
4372, Line 18	Change "inneroperations" to "interim operation"
4372, Line 18	Change "what" to "what do"
4373, Line 17	Change "By the changeable response." to "By the change in response?"
4374, Line 10	Change "models" to "modulus"
4374, Line 16	Change "there was at one time" to "was that at one time"
4374, Line 24	Change "fine" to "finite"
4376, Line 2	Change "accounted" to "counted"
4377, Line 3	Change "sheer" to "shear"
4377, Line 13	Change "inducement" to "induced net"
4380, Line 6	Change "when" to "what"
4380, Line 20	Change "week" to "we can"
4381, Line 3	Change "or" to "our"
4383, Line 3	Change "hm" to "him"
4384, Line 5	Change "they" to "the"
4384, Line 19	Change "elements" to "level"
4385, Line 19	Change "module us" to "modulus"
4385, Line 23	Change "fine" to "finite"
4386, Line 1	Change "sheer" to "shear"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4386, Line 4	Change "fine" to "finite"
4386, Line 7	Insert "For" before "which"; change "testimony" to "test"
4386, Lines 11, 12 and 16	Change "dampening" to "damping"
4386, Line 24	Change "decided" to "seismic"
4387, Line 5	Change "noles" to "values"
4388, Line 16	Change "at the, the controlling," to "tension is not the"
4388, Line 21	Change "applicable" to "opposed"
4389, Line 7	Change "passages" to "capacities"
4389, Line 25	Change "sheer" to "shear"
4390, Line 13	Change "300" to "150"
4390, Line 14	Change "calculate" to "calculated"
4390, Line 20	Change "SSA" to "FSAR"
4391, Line 7	Insert "is" before "satisfied"
4391, Line 15	Change "to order" to "with regard to"
4392, Lines 2 through 3	Change "that have been" to "of the"
4392, Line 12	Change "sheer" to "shear"
4392, Line 13	Change "sheer" (two places) to "shear" (two places)
4392, Line 17	Insert "a" after "there"
4393, Line 12	Change "of the" to "and the"; change "loads" to "modes"
4393, Line 25	Insert the word "and" between "sliding" and "diagonal"
4394, Line 1	Insert ", " after "tension"
4394, Lines 5, 10 and 11	Insert the word "and" between "sliding" and "diagonal"
4396, Line 15	Change "top of" to "response to"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4396, Line 24	Change "capacity" to "paths"
4397, Line 16	Change "stiff he's" to "stiffest"
4398, Line 13	Change "figure" to "exhibit"
4398, Line 14	Change "63, 64, 65" to "6-3, 6-4, 6-5"
4398, Line 22	Insert the word "not" between "is" and "a"
4399, Line 3	Insert the word "not" between "is" and "a"
4399, Lines 10 through 11	Change "if, the probability of the beams and" to "on the reliability of the bond of"
4399, Line 20	Change "UBC. And" to "UBC and"
4399, Line 21	Change "that" to "dynamic"
4402, Line 15	Change "Staff" to "panel"
4402, Lines 19 and 20	Change "the storing" to "of restoring"
4402, Line 20	Change "my" to "by"
4402, Line 22	Change "3678" to "3.6, .7 and .8"
4403, Line 9	Change "sheer" to "shear"
4407, Line 4	Change "fact of" to "factored"
4408, Lines 3 and 4	Change "sheer" to "shear"
4410, Line 19	Change "Miller" to "McCollom"
4412, Line 23	Change "DR." to "MR." (all further references to Dr. Holley should likewise be changed)
4413, Line 25	Change "sum vice" to "summarize"
4415, Line 25	Change "DR." to "MR." (all further references to Dr. Bresler should likewise be changed)
4418, Line 7	Change "DR. BRESLER" to "MR. AXELRAD"; change "That is" to "Is that"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4419, Line 2	Insert the words "not try" after "did"
4419, Line 2	Change "did at this time" to "did take this time"
4419, Line 11	Change "but" to "by"
4419, Line 12	Change "developed" to "followed"
4420, Line 8	Change "factor" to "factored"
4421, Line 4	Change "SSE" to "testing"
4422, Line 6	Insert "on" before "stiffness"
4422, Line 8	Change "utility" to "ductility"
4424, Line 5	Change "sheer" to "shear"
4424, Line 25	Change "forced" to "fortunate"
4425, Line 21	Change "important one of the most" to "important, it was one"
4425, Line 24	Change "based on the need for" to "they provided evidence of"
4428, Line 9	Change "adequacy problems relate to the equipment and the special" to "problems related to equipment and the"
4430, Line 13	Change "contest" to "context"
4431, Line 22	Change "that we were doing a research program" to "if we were not doing a research program"
4432, Line 17	Change "narrowly" to "thoroughly"
4432, Line 21	Change "would conservatively apply" to "were conservatively applied"
4432, Line 22	Change "code" to "ductility"
4433, Line 13	Change "terminations" to "determinations"
4434, Line 22	Change "horrendous to" to "horrendous compared to"
4434, Line 23	Change "but the rest" to "buttressed"
4436, Line 25	Change "had" to "that"

APRIL 2, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4438, Line 6	Change "fine" to "finite"
4439, Lines 12 and 20	Change "storage sheers" to "story shears"
4442, Line 6	Change "they" to "then"
4442, Line 21	Insert the word "not" after "did", and insert after "program" the words "of panels and framing."
4442, Line 24	Change "force" to "floor"
4443, Line 10	Change "they are" to "that are"
4449, Lines 4 through 5	Change "we are I necessary at the end if" to "weariness at the end of"
4450, Line 20	Change "in" to "if"
4452, Line 10	Change "recommended" to "corrected"
4453, Line 16	Change "can" to "are"

APRIL 3, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4457, Line 18	Insert "you state" after "would"
4461, Line 20	Insert "be" after "possibly"
4466, Line 1	Insert "be" after "will"
4466, Line 9	Change "we" to "we're"
4466, Line 19	Change "now" to "not"
4466, Line 25	Change "Fletcher" to "flexure"
4467, Line 2	Insert "believe" after "not"
4470, Line 6	Change "performance" to "perform"
4471, Line 6	Change "in" to "N"
4471, Line 19	Change "would" to "weld"
4473, Line 1	Change "sheer" to "shear"
4473, Line 18	Change "wall line" to "R line"
4473, Line 19	Change "end" to "N"
4477, Line 21	Change "(specier)" to "SER"
4479, Line 8	Change "bore" to "for"
4479, Line 9	Change "operated for" to "operating floor -"
4479, Line 15	End sentence after "be"; start new sentence with "The"
4479, Lines 21 through 22	Change "be much" to "need"
4479, Line 23	Change "inadequacy" to "adequacy"
4479, Line 25	Change "side" to "outside"
4480, Line 3	Change "structure" to "structural witness"
4480, Line 10	Change "..." to "power"
4480, Line 13	Change "(attitude) called for" to "adequacy of"; change "attitude" to "adequacy"
4481, Line 17	Change "(attendant)" to "intended"

APRIL 3, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4482, Line 6	Change "adequacies" to "adequacy of the"
4485, Line 1	Change "Staff for" to "rest of"
4486, Line 12	Change "include" to "conclude"
4490, Line 8	Change "SSAR" to "FSAR"
4490, Line 14	Change "SFAR" to "FSAR"
4490, Line 22	Change "fell" to "tell"
4494, Line 4	Change "end result. Items" to "unresolved items"
4494, Line 20	Change "imparting" to "reviewing"

APRIL 16, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4502, Line 5	Change "extra" to "expert"
4503, Line 2	Change "request" to "present"
4503, Line 3	Change "structuring" to "structural"
4508, Line 2	Change "cord" to "core"
4509, Line 3	Change "Shang-Lo" to "Chang-Lo" (all future references to "Shang-Lo" should likewise be changed)
4521, Line 1	Change "wheelbrater" to "wheelgrater"
4522, Line 2	Change "filter" to "buildings"
4523, Line 7	Change "service" to "in-service"
4525, Line 7	Change "Wide" to "Wythe"
4527, Line 5	Change "Pat" to "Kenneth"
4528, Line 4	Change "Electrical" to "S. Webster"
4528, Line 14	Change "section" to "inspection"
4528, Line 15	Change "as the" to "ASME"
4530, Line 15	Change "Procleva" to "Brookhaven"
4530, Line 22	Change "translated BD" to "Appendix A of PGE"
4531, Line 3	Change "27" to "22"
4533, Line 9	Change "N/N" to "in./in."
4533, Line 11	Change "new" to "nu"
4533, Line 12	Change "dd" to "Vd"
4533, Line 14	Change "sub d" to "sub B"
4533, Line 15	Change "A sub d equals A sub d" to "A sub W equals A sub B"
4534, Line 10	Change "row" to "rho"
4538, Line 10	Change "trident" to "rather than"
4540, Lines 9, 10 and 12	Change "in-plant" to "in-plane"

APRIL 16, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4540, Line 25	Change "out-of-plant" to "out-of-plane"
4541, Line 1	Change "responsive" to "response of"
4541, Line 4	Change "power" to "collar"
4541, Line 8	Change "life motored" to "wythe mortared"
4544, Lines 9 through 10	Delete "(Staff Exhibit 21 was admitted into evidence)"
4545, Line 12	Delete "(Staff Exhibit 21 was admitted into evidence)" Change p. 4549 to 4548
New 4548, Line 19	Change "to exhibit" to "expeditiously to" Change p. 4550 to 4549 Change p. 4551 to 4550
New 4550, Line 4	Change "Mr. Ostrander" to "Ms. Bell"
New 4550, Line 14	Delete "Mr. Rosolie"
New 4550, Line 15	Change "Q" to "Chairman Miller" Change p. 4548 to 4551
New 4551, Lines 5 and 23	Change "fall" to "fail"
4551, Lines 5, 6 and 23	Change "plain" to "plane"
4555, Line 17	Change "22" to "21"
4557, Line 17	Change "white" to "wythe"
4558, Lines 7 and 9	Change "white" to "wythe"
4559, Line 13	Change "white" to "wythe"
4560, Line 8	Change "preventive" to "compressive"

APRIL 16, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4560, Lines 9, 16 and 20	Change "compressor" to "compressive"
4560, Lines 22 and 23	Change "seals" to "cells"
4561, Line 12	Change "seal" to "cell"
4562, Lines 7 through 8	Change "M prime and then R" to "fm"
4562, Line 18	Change "gravity" to "grout"
4565, Line 8	Change "M prime" to "F sub m prime"
4566, Line 21	Insert "10" before "psi"; change "--" to "and"
4570, Line 16	Change "flow" to "program"
4572, Line 13	Change "Mr. Paxton" to "Dr. McCollom"
4574, Line 9	Delete "double"; change "kind" to "conduits"
4574, Line 22	Delete "18"
4576, Lines 9 and 20	Change "true" to "through"
4576, Lines 8 and 16	Change "Dr. Colville" to "Mr. Herring"
4584, Line 3	Change "tunnel" to "column"
4586, Line 16	Change "tunnel" to "column"
4609, Line 2	Change "three by two" to "three feet by two hundred pound"
4611, Line 25	Delete "site"
4615, Line 5	Change "deposit" to "composite"
4618, Line 3	Change "first" to "a per"
4618, Line 4	Change "of" to "to"; change "to" to "of the"
4618, Line 9	Change "of" to "times"
4618, Lines 10 and 14	Change "N factor" to "unfactored"

APRIL 16, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4618, Line 12	Change ".14" to ".41"
4619, Line 1	Change "4.068" to "1.068"
4619, Line 4	Change "complex" to "contact"
4620, Line 12	Change "air" to "area"
4622, Line 6	Change "isn't really" to "is a regional"
4626, Line 13	Change "N" to "10"
4632, Line 23	Change "Gray" to "Ostrander"
4638, Line 18	Change "specs" to "spectra"
4638, Line 22	Change "Ray" to "Reg"
4639, Lines 4, 8 and 16	Change "Ray" to "Reg"
4639, Line 6	Delete "B"
4642, Line 17	Change "PD" to "PGE"
4642, Line 18	Change "day" to "D"
4643, Line 25	Change "tinsel" to "tensile"
4644, Lines 6, 14 and 18	Change "poll" to "pull"
4645, Line 25	Change "unlined" to "N line"
4647, Line 2	Change "flow" to "floor"
4648, Lines 9 and 22	Change "backfilling" to "backfitting"
4650, Lines 5 and 11	Change "red" to "Reg"
4650, Line 16	Change "low" to "load"
4657, Line 19	change "accomplish" to "encompass"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4662, Line 16	Change "2.7" to ".27"
4663, Line 2	Change "half" to "path"
4665, Line 20	Change "metals" to "transmittals and"; change "in the form" to "in, the form"
4665, Line 21	Change "that steel plate," to "that, the steel plate, and"
4666, Line 6	Change "loaded" to "lowered"
4667, Line 10	Change "dropover would occur were" to "drop were to occur, were"
4667, Line 17	Change "drops on seismic" to "drops and seismic"
4668, Lines 10 and 11	Change "compresser" to "compressive"
4669, Line 3	Change "pressure" to "compressive"
4669, Line 7	Change "compressor" to "compressive"
4669, Lines 8 through 9	Change "compress-or" to "compress-ive"
4669, Line 20	Change "approved NRC QIQC" to "NRC approved QA/QC"
4673, Line 22	Change "eseentially" to "essentially"
4674, Line 25	Change "25U and B" to "25U and V"
4675, Line 15	Change "B of Exhibit 25" to "V of Exhibit 25"
4676, Line 17	Change "return" to "turn"
4682, Line 22	Change "Torjan" to "Trojan"
4684, Line 19	Change "everyong" to "everyone"
4685, Line 4	Change "closing" to "enclosing"
4685, Line 18	Change "Shang-lo" to "Chang-Lo" (all future references to "Shang-lo" should likewise be changed)
4685, Line 19	Change "Nile" to "Myle"
4687, Line 16	Change "bolt" to "loads"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4687, Line 17	Change "the wall" to "a wall"
4688, Line 14	Change "Trojan plants" to "the Trojan Plant"
4688, Lines 21 through 22	Change "have the reinforced masonry wall" to "have reinforced masonry walls"
4689, Line 4	Change "didn't" to "did"
4695, Line 6	Change "region five" to "Region V"
4696, Line 2	Change "Region 5" to "Region V"
4697, Line 25	Change "in" to "and get"
4698, Line 24	Change "or it would become under" to "should it become over-"
4698, Line 25	Change "stress" to "stressed"
4699, Line 6	Change "column" to "complex"
4700, Line 11	Change "inner" to "inter-"
4700, Line 21	Change "plant" to "plan" (two places)
4701, Line 6	Change "efficiency" to "deficiency"
4701, Line 11	Change "But, Mr. Broehl" to "Mr. Broehl"
4702, Line 4	Change "of 79-15, December" to "of LER 79-15 in December"
4702, Line 5	Change "have" to "had"
4702, Line 6	Change "at which time" to "during which time"
4702, Line 9	Change "is" to "was"
4702, Line 10	Change "been not" to "not been"
4703, Line 2	Change "0.25g, say, seismic" to "0.25g safe"
4704, Line 16	Change "and which" to "and on which"
4712, Line 22	Change "existing" to "resisting"
4712, Line 24	Change "flexual" to "flexural"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4719, Line 3	Change "their" to "they're"
4726, Line 5	Change "thousandths" to "thousands"
4729, Line 18	Change "wall," to "wall of"
4733, Lines 9 and 10	Change "sensitive" to "insensitive"
4734, Line 4	Change "1/2" to "1-1/2"
4737, Line 9	Change "this even" to "this"
4738, Line 12	Change "nation. It's" to "construction"
4740, Line 8	Change "take actually" to "take place actually"
4740, Line 17	Change "is" to "has"
4745, Line 23	Change "out-plane" to "out-of-plane"
4758, Line 9	Change "quantifications" to "modifications"
4758, Line 10	Change "vector" to "spectra"
4759, Line 8	Change "phrase" to "phase"
4760, Line 23	Change "PGE 10-20, as revised with" to "PGE-1020, as revised through"
4761, Line 19	Change "Trainor" to "Trammell"
4762, Line 4	Change "warning that" to "morning"
4763, Line 2	Change "it's about to destroy" to "I was about to describe"
4763, Line 3	Change "dirrectory which do destroy to" to "record which do describe"
4763, Line 6	Change "for" to "during"
4763, Line 9	Change "PG 10-20" to "PGE-1020"
4763, Line 24	Change "Document" to "Seismic"
4763, Line 25	Change "--" to "Piping"
4764, Line 4	Change "to deciphering qualification" to "to qualification"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4764, Line 5	Change "to deciphering qualifica-" to "to qualifica-"
4764, Line 6	Change "oiping" to "piping"
4764, Lines 6 through 7	Change "to deciphering qualifications" to "to qualification"
4764, Line 7	Change "electrical systems" to "electrical cable tray systems"
4764, Line 8	Change "to deciphering qualification" to "to qualification"
4764, Line 21	Change "as --" to "spectra."
4764, Line 22	Change "spectrum I" to "spectra are"
4764, Line 24	Change "25" to "25U"; change "March 9th" to "March 17th"
4765, Line 1	Change "-- on the one" to "spectra are the ones"
4765, Line 4	Change "specter" to "spectra"
4765, Line 7	Change "trace" to "tray"
4765, Line 9	Change "piling support" to "piping supports"
4765, Line 11	Change "--" to "spectra"
4765, Line 12	Change "I" to "the"
4765, Line 21	Change "--" to "hearing"
4765, Line 22	Change "sop" to "so"; change "--" to "and"
4765, Line 23	Change "--" to "since"
4765, Line 25	Change "nofficial" to "official"
4766, Line 2	Change "so there are matters there that occurred" to "so if there are matters there that occur"
4766, Line 3	Change "evidentialry record here --" to "the evidentiary record here,"
4766, Line 4	Change "unto" to "to"
4766, Line 15	Change "permse" to "per se"; change "phas e 2" to "phase 2"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4767, Line 10	Change "--" to "Board"; change "were" to "here"
4767, Line 16	Change "spray" to "base"
4768, Line 15	Change "or" to "so"
4769, Line 7	Change "Speaker" to "MR. OSTRANDER"
4769, Line 9	Change "but" to "as we"
4769, Line 10	Delete "of this section"
4770, Line 4	Change "stipulating to" to "stipulating - to"
4770, Line 8	Change "There was," to "There it was,"
4770, Line 14	Change "you" to "your"
4770, Line 17	Delete "and."
4770, Line 21	Change "your're" to "you're"
4773, Line 6	Change "is really" to "there is really"
4773, Line 9	Change "license coerce kind" to "license or coerce a kind"
4774, Line 4	Change "MR. OSTRANDER" to "MR. JOHNSON"
4776, Line 24	Change "Dr. Coldwell" to "Dr. Colville"
4777, Line 1	Change "Our" to "Whose"
4777, Line 3	Change "Mr. Brandt" to "Mr. Broehl"
4777, Line 6	Delete "not"
4777, Line 20	Change "MR. AXELRAD: Part" to "MR. AXELRAD: We can make it part"
4778, Line 3	Change "that" to "what"
4778, Line 5	Change "Grell" to "Broehl"
4778, Line 8	Change "The" to "In the"
4778, Line 9	Change "--" to "concerning"
4778, Lines 9 and 12	Change "Dr. Coldwell's" to "Dr. Colville's"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4778, Line 16	Change "the survey" to "been served a"
4779, Line 3	Change "--" to "document,"
4779, Line 17 through 18	Change "of the type of the State" to "up-to-date"
4779, Line 21	Change "--" to "after"
4780, Line 1	Change "--" to "panel"
4780, Line 5	Change "--" to "questions"
4781, Line 9	Change "reported" to "departed"
4782, Line 7	Change "Ingleton" to "Engelken"; change "region 5" to "Region V"
4782, Line 14	Change "double-life" to "double-wythe"
4783, Line 12	Change "sheer" to "shear"
4783, Line 14	Change "has" to "have"
4783, Line 20	Change "of the small but two-test" to "of the lowest two test"
4784, Line 7	Change "--" to "the plant"
4785, Line 1	Change "thicknesses" to "stiffnesses"
4785, Line 11	Change "--" to "know"
4785, Line 14	Change "would not attend, adequately attend, for the analyses" to "would not be accounted, adequately accounted, for in the analyses"
4785, Lines 15 through 16	Change "specially supported reactions to the increase." to "seismically supported reactions to increase."
4785, Line 18	Change "plant" to "plants"
4788, Line 1	Change "-- the value to stress," to "First, the value of stress,"
4788, Line 2	Change "great, by Dr. Fogel" to "created, by Dr. Colville"
4788, Line 10	Change "regarding all problems" to "submittals regarding the wall problem"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4788, Line 11	Change "there 50 p.s.i. minimum open it," to "their 50 psi minimum ultimate,"
4788, Line 13	Change "water" to "mortar"
4788, Line 14	Change "open it." to "ultimate."
4788, Line 26	Change "feed the 18 p.s.i., but" to "exceed the 18 psi, by"
4789, Line 1	Change "p.s.i.," to "as high"
4789, Line 10	Change "that would wipe off" to "double wythe block"
4789, Line 12	Change "expressed" to "and stress"
4789, Line 14	Change "platform of two days" to "block walls"
4789, Line 21	Change "license each panel" to "licensee's panel"
4789, Line 22	Change "in" to "on"
4789, Line 24	Change "white fall?" to "wythe walls?"
4790, Line 2	Change "freak impression" to "degree of compression"
4790, Line 5	Change "18" to "seam"
4790, Line 6	Change "agus" to "agous"; change "pollard" to "collar joint"
4790, Line 7	Change "Hadenmeyer" to "Hagemeyer"
4790, Line 9	Change "of" to "on"
4790, Line 13	Change "sheer" to "shear"
4790, Line 15	Change "--" to "data"
4790, Line 16	Change "lock of --" to "block material"
4790, Line 18	Change "a fact of" to "effective"
4790, Line 20	Change "y's apart, and the y," to "wythes apart, and the wythes,"
4790, Line 21	Change "to compression" to "into compression"
4790, Line 22	Change "a sheer curcheon" to "shear friction"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4790, Line 23	Change "-- even though" to "know"
4790, Line 26	Change "border" to "mortar"
4791, Line 1	Change "sheer pressure" to "shear friction"
4791, Line 2	Change "in the factory in" to "and the fact"
4791, Line 4	Change "23 base length" to "23 based on"
4791, Line 12	Change "S. E." to "SER"
4791, Line 13	Change "or on the wall problem" to "on the wall problem"
4791, Line 19	Change "lacked" to "acted"
4791, Line 24	Change "flow" to "block"
4791, Line 26	Change "verocity" to "porocity"
4792, Line 4	Change "Dr. Cogle's" to "Dr. Colville's"
4792, Line 7	Change "bulk" to "block"
4792, Line 11	Change "where" to "for"
4792, Line 14	Change "that are ore velicians --" to "that are different -"
4793, Line 5	Change "poles" to "bolts"
4794, Line 19	Change "porportional" to "proportional"
4794, Line 25	Change "track sizes, a track size" to "crack sizes, a crack size"
4795, Line 3	Change "factor safety" to "safety factor"
4795, Line 12	Change "LOCA" to "licensee"
4795, Line 25	Change "I and" to "IE"
4796, Line 1	Change "E Bolt in 7902" to "Bulletin 79-02"
4796, Lines 3, 6 and 8	Change "7902" to "79-02"
4796, Line 9	Change "frozen" to "Trojan"
4796, Line 13	Change "account" to "accounting"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4796, Line 17	Change "pole" to "bolt"
4796, Line 21	Change "strengent" to "stringent"
4797, Line 9	Change "deposit" to "composite"
4797, Line 11	Change "so forth. Where" to "so forth, where"
4797, Line 18	Ad "if it were" before "to crack"
4797, Line 19	Change "make" to "take"
4797, Line 20	Change "pore by" to "bolt to"
4797, Line 23	Change "comfort" to "complex"
4797, Line 25	Change "and" to "an"
4798, Line 22	Change "you put in there, you" to "you put walls in there, and you"
4799, Line 9	Change "VOICE:" to "MR. GRAY:"
4799, Line 12	Change "VOICE:" to "MR. GRAY:"
4800, Line 14	Change "porposing" to "proposing"
4800, Line 17	Change "into safety related wall" to "into the category of safety related wall"
4800, Line 19	Change "stardine" to "STARDYNE"
4801, Line 5	Change "none" to "one"
4801, Line 7	Change "trojan" to "Trojan"
4801, Line 8	Change "SFAI" to "FSAR"
4801, Line 19	Change "cheer" to "shear"
4802, Lines 3, 7 and 8	Change "stardine" to "STARDYNE"
4802, Line 19	Change "in turpine" to "in the turbine"
4803, Line 6	Change "that" to "those"
4803, Line 8	Change "So I think all --" to "Also I think a"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr. Reference</u>	<u>Correction</u>
4803, Line 16	Change "bubble block with the morton collar communities with the" to "double block with the mortared collar cavities with the"
4805, Lines 1 through 2	Change "tempt you" to "resolve this"
4805, Line 3	Add "CHAIRMAN MILLER:" before "According"
4805, Line 6	Delete "scrantive"
4805, Line 12	Change "under the control buggy. The --" to "in the Control Building. The panel"
4806, Line 2	Change "we -- we are" to "the criteria are"
4806, Line 5	Change "exemptary" to "extemporary"
4806, Line 8	Change "significant" to "significance"
4806, Line 9	Change "reviewed and once" to "reviewed once"
4807, Line 6 through 7	Change "pin points" to "10 psi"
4808, Line 25	Change "fuels -- spent fuels were allowed" to "fuel were in the Spent Fuels Pool"
4810, Line 1	Change "concerning" to "concern"
4810, Line 7	Change "judicatory" to "adjudicatory"
4810, Line 10	Change "with" to "which"; change "stage" to "safe"
4810, Line 15	Change "in" to "and"
4810, Line 16	Change "the vessel" to "operation"
4810, Line 20	Change "plan" to "plant"
4811, Line 5	Change "--" to "done"
4812, Line 6	Change "our" to "the"; change "our" to "how"
4812, Line 18	Change "Board" to "word"
4812, Line 23	Change "sheer" to "shear"
4812, Line 24	Change "double-y mastry wall" to "double-wythe masonry wall"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

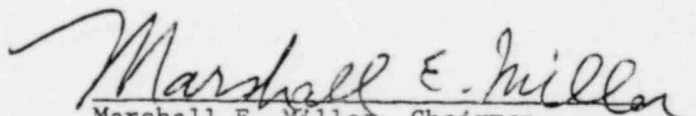
<u>Tr. Reference</u>	<u>Correction</u>
4813, Line 1	Change "sheer" to "shear"
4813, Line 12	Change "-- in with" to "within"
4813, Line 13	Change "was still there" to "that was still there"
4813, Line 23	Change "radiations" to "radiation"
4814, Line 18	Change "and pin," to "and pin ends"
4814, Line 19	Change "enertia" to "inertia"
4814, Line 20	Change "and the response spectre" to "of the response spectra"
4814, Line 22	Change "run out in" to "have any"; change "where" to "or"
4814, Line 23	Change "stress is" to "stresses"; change "10 pin" to "pin-pin"
4815, Line 19	Change "Dr. Cobel" to "Dr. Coville"
4817, Line 8	Change "--" to "walls fixed"
4817, Line 9	Change "is resolved" to "as resolved"
4818, Line 24	Change "we're" to "they're"; change "performed" to "performed,"
4820, Line 3	Change "than" to "then"
4820, Line 9	Change "Mr. CXELRAD" to "MR. AXELRAD"
4820, Line 24	Change "we'll provide" to "we've provided"
4821, Line 6	Change "exhibits" to "exhibit"
4821, Line 22	Change "incoorporate" to "incorporate"
4822, Line 14	Change "36 A licensees" to "36A, licensee's"
4822, Line 15	Change "LDR 79 15" to "LER 79-15"
4822, Line 20	Change "January 18, 1980 provided" to "January 18, 1980 which provided"
4822, Line 21	Change "thermo" to "thermal"
4822, Line 22	Change "from a licensee" to "from licensee"

APRIL 17, 1980 TRANSCRIPT CORRECTIONS

<u>Tr Reference</u>	<u>Correction</u>
4823, Lines 3 and 6	Change "from a licensee" to "from Licensee"
4823, Line 11	Change "water" to "mortar"; change "masonry" to "masonry"
4823, Line 23	Change "employees of" to "of the parties or"
4824, Line 9	Change "a expedite" to "an expedited"
4824, Line 23	Change "expedite" to "expedited"
4824, Line 25	Change "department" to "development"; change "lengthly" to "lengthy"
4827, Line 1	Change "MR. OSTRANDER" to "MR. AXELRAD"
4827, Line 7	Change "the ICB" to "PGE"
4828, Lines 2, 6 and 12	Change "MR. OSTRANDER:" to "MR. AXELRAD:"
4828, Line 16	Change "evidencary" to "evidentiary"
4828, Line 23	Change "April 16th" to "April 17"

It is so ordered.

FOR THE ATOMIC SAFETY AND
LICENSING BOARD


Marshall E. Miller, Chairman

Dated at Bethesda, Maryland

this 22nd day of May 1980.