

RELATED CORRESPONDENCE
UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
PACIFIC GAS AND ELECTRIC COMPANY) Docket No. 50-275
) Docket No. 50-323
Diablo Canyon Nuclear Power Plant,)
Units 1 and 2) (Full Power Proceeding)

APPLICANT PACIFIC GAS AND ELECTRIC COMPANY'S
RESPONSE TO THE THIRD REQUEST FOR PRODUCTION
OF DOCUMENTS FROM GOVERNOR BROWN
DATED OCTOBER 14, 1981

The documents listed are available for inspection and/or
copying at Pacific Gas and Electric Company headquarters during normal
business hours. PGandE requests one day's notice for staffing purposes
whenever counsel desire to review the documents.

Respectfully submitted,

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Dated: November 18, 1981

PREVIOUSLY SUBMITTED DOCUMENTS
RESPONSIVE TO GOVERNOR BROWN'S
3rd REQUEST FOR PRODUCTION OF
DOCUMENTS:

Paragraph #1: All documents requested, described and/or
referred to in Interrogatories or Responses

Interrog. #1:	EPNG	0009446 0009449
	EPNP	0084754
Interrog. #8:	EPNP	0087913
Interrog. #10:	EPPI	0090010 0090644 0093187 0094236A
	EPED	0073591 0073592
	EPNP	0085786
Interrog. #11:	EPNP	0064445 0064462 0064478 0083270
Interrog. #29:	EPNP	0084412 - 0084418 0084422 0084425 0084431 0084439 0084447 0084464 0085606 0085622 0085626 0085634 0085640 0085654 0085661 0085685 0085691 0085755
	EPPI	0090583 0090587 0090597 0090641

DOCUMENTS RESPONSIVE TO GOVERNOR BROWN'S
THIRD REQUEST FOR DOCUMENTS DATED 10/14/81

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
EPNG 0009416 1 pg. GS-1	5/13/81	RHRogers/Rogers Helicopter JTorrens/PG&E	Letter	Confirmation of 5/11/81 phone conversation re: Helicopter svc, w/1 attach.
EPNG 0009417 1 pg. GS-1	11/20/80	JAMarino/PG&E Gentlemen/Rogers Helicopters	Letter	Attach #1: Transmits contractors' copy of of contract #B-22-206-80 w/i attach.
EPNG 0009418 3 pgs. GS-1	9/8/80	JAMarino/PG&E HWKlocke/PG&E WRogers/Rogers Helicopters	Contract	Attach #1: Contract B-22-206-80

Doc # Para. #	Date	From/To Entity	Doc. Type	Doc. Description
EPTC-0040420 GB-4 199 pgs.	9/2/81	No Name/TERA Corp. SMSkidmore/PG&E	Study	Earthquake Emerg. Planning at DC Volume I
EPTC-0049421 GB-4 174 pgs.	9/2/81	No Name/TERA Corp. SMSkidmore/PG&E	Study	Earthquake Emerg. Planning at DC Volume II
EPTC-0040422 GB-4 320 pgs.	9/2/81	No Name/TERA Corp. SMSkidmore/PG&E	Study	Earthquake Emerg. Planning at DC Volume III

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. DESCRIPTION
MNED 0097094 369 pgs. GS-1	4/21/80	No Name/PG&E	Report	PG&E response to NUREG 0578 Short-term lessons learned requirement
MNED 0097464 20 pgs. GS-1	4/9/75	JRSchulties/Westinghouse	Report	Valve Reference Guide for Class I,II,& III
MNED 0097488 4 pgs. GS-4	10/18/74	No Name/Westinghouse	Specification sheet	Auxiliary relief valves system SIS
MNED 0097492 1 pg. GS-1	2/4/75 deduced	No Name/Westinghouse	Specification Sheet	Auxiliary Relief Valves
MNED 0097493 2 pgs. GS-1	2/26/73	No Name/Westinghouse	Valve Index	Westinghouse NES valve index by location
MNED 0097496 69 pgs. GS-1	3/4/81	No Name/US NRC	Report	Safety Evaluation Rpt NUREG 0675 #12
MNED 0097555 227 pgs. GS-1	7/77	No Name/Westinghouse	Report	Pressure Mitigating Systems Transient Analysis Results

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0097785 6 pgs. GS-1	11/16/79	KRhodes/PG&E RLaverty/PG&E	Photos	Photos of pressurizer heater cable connections to heaters
MNED 0097791 1 pg. GS-1	12/26/79	No Name/PG&E	Handwritten Notes	Info that was confirmed in the field re pressurizer PROV's.
MNED 0097794 1 pg. GS-1	6/29/79	No Name/PG&E	Memo	Info re DCPD nondestructive exam of pressurizer heater weld
MNED 0097795 1 pg. GS-1	7/2/79	RAYoung/PG&E BPatterson/PG&E	Memo	Transmits draft procedure to switch vital PWR to non-vital for pressurizer heaters
MNED 0097796 2 pgs. GS-1	6/29/79	RAYoung/PG&E EHerbst/PG&E	Procedure	Method to energize 4kv bus sect. D&E from any diesel generators.
MNED 0097798 1 pg. GS-1	3/28/78	JRaggio/PG&E RAYoung/PG&E	Memo	Re: Modification to the pressurizer heater power supply cable tray
MNED 0097799 1 pg. GS-1	2/26/78	JRaggio/PG&E Mr. Tresler/PG&E DARockwell/PG&E	Memo	Re: Relocation of pressurizer heater pwr supply cable try
MNED 097800 1 pg. GS-1	4/1/76	No Name/PG&E RLaverty/PG&E	Memo	Unit 2 pressurizer relief valve piping should be same as unit 1 piping

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0097825 1 pg. GS-1	1/15/72	TJDaly/PG&E IFHall/PG&E JMcMillan	Memo	Request to update drawings-safety valve lines
MNED 0097826 1 pg. GS-1	4/5/72	Al Schmidt/PG&E MTresler/PG&E	Memo	Request for pressurizer relief valves dimensions
MNED 0097827 1 pg. GS-1	11/6/69	DNielsen JOSchuyler/PG&E	Memo	Pressurizer heater pwr supply
MNED 0097828 1 pg. GS-1	11/16/67	DVKelly/PG&E PFMautz/PG&E	Memo	Optional equipment offered by Westinghouse-Pressurizer heater pwr supply
MNED 0097829 1 pg. GS-1	11/13/67	DNielsen/PG&E DVKelly/PG&E	Memo	Nielsen recommends that Westinghouse offer be accepted. Pwr supply for pressurizer heater
MNED 0097836 2 pgs. GS-1	8/31/79	WCGangloff/Westinghouse DVKelly/PG&E	Letter	Westinghouse review of environ. qualifications of equipments
MNED 0097838 1 pg. GS-1	6/1/78	WCGangloff/Westinghouse DVKelly/PG&E	Memo	Status of 2 documents

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0097891 2 pgs. GS-1	3/19/74	FCDiAgostino/Westinghouse DVKelly/PG&E	Letter	Pressurizer safety relief valve testing
MNED 0097933 1 pg. GS-1	5/1/73	RStiteler/Westinghouse JWDorriycott/Westinghouse DVKelly/PG&E	Letter	Change in Westinghouse Wiring diagram for pressurizer heaters
MNED 0097934 3 pgs. GS-1	10/17/72	JWDorriycott/Westinghouse	Report	Analysis of pressurized safety & relief valves
MNED 0097937 3 pgs. GS-1	10/17/72 deduced	JWDorriycott/Westinghouse deduced	Report	Westinghouse scope of supply
MNED 0097940 2 pgs. GS-1	10/13/72	AJSpurgin/Westinghouse DVKelly/PG&E	Letter	Acceptable loads on pressurizer nozzle
MNED 0097945 1 pg. GS-1	3/7/79	AJSpurgin/Westinghouse DVKelly/PG&E	Letter	Westinghouse does not recommend any insulation for the wiring to the pressurizer heaters
MNED 0097965 2 pgs. GS-1	8/4/69	HNSkow/Westinghouse RCHichols/Westinghouse DVKelly/PG&E	Letter	Info re pressurizer heater supply system & connections
MNED 0097967 1 pg. GS-1	1/30/68	JFFinn/Westinghouse deduced	Diagram	Pressurizer typical heater pattern

Doc. No.	DATE	From/To/Entity	Doc. Type	DOC. DESCRIPTION
MNED 0098001 1 pg. GS-1	8/29/79	DVKelly/PG&E WCGangloff/Westinghouse	Letter	Review of electrical requirements for pressurizer heaters
MNED 0098003 1 pg. GS-1	8/29/79	DVKelly/PG&E WCGangloff/Westinghouse	Letter	Review of electrical requirements for pressurizer heaters
MNED 0098009 1 pg. GS-1	1/18/74	DVKelly/PG&E JWDorrcott/Westinghouse	Letter	Can we use safety valve nozzles for relief valves?
MNED 0098026 2 pgs. GS-1	12/29/72	DVKelly/PG&E JWDorrcott/Westinghouse	Letter	Alternate analyses in designing the piping associated w/pressurizer safety & relief valves
MNED 0098932 2 pgs. GS-1	4/25/72	DVKelly/PG&E JWDorrcott/Westinghouse	Letter	Refer to drawing 50/B/80-pressurizer heater controls
MNED 0098096 1 pg. GS-1	6/10/77	CERalston/PG&E	Memo	Status of Pressurizer relief valve order from Crosby Valve Co.
MNED 0098107 4 pgs. GS-1	8/28/79	GCLaguens/PG&E	Memo	Design criteria memo on pressurizer heater emerg. pwr supply requirements
MNED 0098118 3 pgs. GS-1	1/19/73	TJDaly/PG&E	Memo	Comments of Westinghouse's data on pressurizer relief valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0098146 1 pg. GS-5	1/19/73 deduced	No Name/PG&E deduced	Memo	Flow from PORV's
MNED 0098162 1 pg. GS-1	4/6/72	MLeppke/PG&E	Memo	Numeric figures re pressurizer relief valves
MNED 0098173 6 pgs. GS-1	4/6/72 deduced	MLeppke/PG&E	Memo	Info re clearing pressure prog. on pressure relief line
MNED 0098182 2 pgs. GS-1	4/6/72 deduced	No Name/PG&E	List	Numeric list re 3 relief valves
MNED 0098185 3 pgs. GS-1	11/27/74	RMLaverty/	Eng. Change Order	Order to revise insulation of safety relief valve loops
MNED 0098197 1 pg. GS-1	2/24/76	No Name/PG&E	Memo	Release to startup pressurizer heaters
MNED 0098098 1 pg. GS-1	2/24/76	MRTresler/PG&E	Memo	Release to start up pressurizer heaters
MNED 0098227 1 pg. GS-1	2/1/79	VLeppke/PG&E deduced	Memo	Construction problem sheet re pressurizer relief valve loop drains

Doc. No.	DATE	FROM/TO/ENTITY	Doc. Type	Doc. Description
MNED 0098245 1 pg. GS-1	4/27/77 deduced	JDTownsend/PG&E	Memo	Pressurizer safety valve problem is resolved
MNED 0098246 1 pg. GS-1	10/11/77	RMNanninga/PG&E	Report	Discrepancy rpt for pressurizer safety valves
MNED 0098257 1 pg. GS-1	7/18/77	BYoung/PG&E	Memo	Phone message re pressurizer heaters terminations
MNED 0098265 18 pgs. GS-1	6/20/77 deduced	WEColey/PG&E	Test Procedure	Test rpoc. No. 37.14, Units 1&2- pressurizer heaters initial energizing
MNED 0098286 1 pg. GS-1	5/3/77	WEColey/PG&E	Report	Rpt on startup problem of pressurizer heaters
MNED 0098287 1 pg. GS-1	5/3/77	WEColey/PG&E	Report	Rpt on startup problem of pressurizer heaters

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0098311 7 pgs. GS-1	6/14/76 deduced	JDTownsend/PG&E	Test Procedure	Test Proc. #37.13., Units 1&2 - Hot functional test pressurizer control & pressurizer pwr operated relief valves
MNED 0098318 1 pg. GS-1	1/13/76	JDTownsend/PG&E	Report	Rpt on startup problem of pressurizer relief valve, 8010B leaking excessively
MNED 0098319 1 pg. GS-1	12/24/75	JDTownsend/PG&E	Report	Rpt on startup problem of pressurizer heaters
MNED 0098322 7 pgs. GS-1	5/13/75 deduced	JDTownsend/PG&E	Test Proc.	Test. Proc. 37.13 - Hot functional test pressurizer pressure control & pressurizer pwr operated relief valves
MNED 0098336 1 pg. GS-1	5/21/75	JRappa/PG&E	Report	Equipment modification rpt contractor HPFoley to change pressurizer pwr relief stop valves #8000A, 8000B & 8000C - install interval jumpers.
MNED 0098339 11 pgs. GS-1	3/7/74 deduced	BHPatton/PG&E	Test Proc.	Startup test proced. 7.10 - pressurizer spray & heater capacity & continuous flow setting.
MNED 0098374 4 pgs. GS-1	11/10/74	No Name/PG&E	Test Proc.	Megger Test & current transformer check for Westinghouse 480v pressurizer heaters
MNED 0098378 4 pgs. GS-1	2/10/71	No Name/PG&E	Test Proced.	Megger test & current trans. check for Westinghouse 480v pressurizer heaters 1 attach.
MNED 0098382 1 pg. GS-1	2/10/71 deduced	No Name/PG&E	Diagram	Diagram showing Westinghouse 480v pressurizer heater orientation

Doc. No.	DATE	From/To/Entity	Doc Type	Doc. Description
MNED 0098465 4 pgs. GS-1	1/19/70	No Name/PG&E	Test	Electrical performance test-CCPP
MNED 0098819 2 pgs. GS-5	10/29/73	MNHandler/ DVKelly/	Memo	nitial setcing test of press. R/SV be made
MNED 0098928 6 pgs. GS-1	12/15/80	RCYoungdahl/EPRI DGEisenhut/NRC	Ltr rpt	Pwr Utilities position on NUREG 0737
MNED 0098934 1 pg. GS-1	10/80 deduced	No Name/PG&E Chief exec. off. of Utilities w/pressurized wtr reactors	Memo Rpt	Suggested response to NUREG 0737, Item II.D.1
MNED 0098936 1 pg.	12/10/80	JJCarey/EPRI Tech. & Licensing contracts EPRI/PWR S/RV test prog.	Memo	Attached responses prepared by EPRI valve proj. staff

DOC. NO.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0098937 23 pgs. GS-1	10/80 deduced	Valve Proj. Staff/EPRI	Rpt/List	Responses prepared by EPRI valve proj. staff & tables

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099197 1 pg. GS-1	7/30/80	TEAuble/EPRI Jim McCracken/	Report	PWR S/RV test prog.
			Letter	EPRI contacted PG&E & Westinghouse elect. Corp. proj. dept. re: Masoneilan pwr operated relief valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099482 1 pg. GS-1	5/14/81	DVKelly/PG&E RMLavery/PG&E TAuble/EPRI	Letter	Corrections on ltr dated 4/1/81 "SGPORV" corrected to "pressurizer PORV" & both model numbers pertain to same valve computer error.
MNED 0099484 1 pg. GS-1	4/1/81	DVKelly/PG&E RMLavery/PG&E TAuble/EPRI	Letter	Information concerning SGPORV block valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099518A 1 pg. GS-1	4/22/81	No Name/EPRI	List	Attach. #5 PORV Screening Criteria
MNED 0099519 1 pg. GS-1	5/13/81	RLaverty/PG&E GWu/PG&E	Memo	Transmits copy of data on PORV & block valves. Also corrects record of phone call to G.Cherny on 5/11/81 w/1 attach.
MNED 0099520 2 pgs. GS-1	3/2/81	ANovak/PG&E	Data Sheet	Data on PORV & block valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099529 1 pg. GS-1	5/5/81	RMLaverty/PG&E JEMurphy/Westinghouse	Letter	Re: review & update prior analysis done by Westinghouse entitled "Dynamic Thrust Analysis of Pressurizer Safety Valve Discharge Piping System".
MNED 0099531 1 pg. GS-1	4/10/81	JJCarey/EPRI Tech & Licensing Contacts	Memo	EPRI requesting block valve info to develop block valve action plan for NRC w/attachs.
MNED 0099532 1 pg. GS-1	4/8/81	No Name/EPRI	List	List of Attendees
MNED 0099533 10 pgs. GS-1	4/8/81	TEAuble/EPRI	Mtg. Mins.	Re: NUREG 0737 re: Block Valve

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
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MNED 0099590 1 pg. GS-1	4/1/81	DVKelly/PG&E RMLaverty/PG&E TAuble/EPRI	Letter	Information re: SGPORV block valves
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Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099591 1 pg. GS-1	4/31/81	JJCarey/EPRI Tech. & Licensing Contacts	Memo	Transmits status rpt on valve selection & justification effort, w/attach.
MNED 0099592 2 pgs. GS-1	3/16/81 deduced	TEAuble/EPRI	Project Descrip.	Attach. #1 re: Safety Valve Selection & Justification Task, w/3 attaches.
MNED 0099594 12 pgs. GS-1	3/16/81	TEAuble/EPRI	Report	Attach. #1 Pressurizer Safety Valve Selection & Justification Task
MNED 0099606 6 pgs. GS-1	3/16/81	TEAuble/EPRI	Report	Attach. #2 Power Operated Relief Valve Selection & Justification Task
MNED 0099612 13 pgs. GS-1	3/16/81	TEAuble/EPRI	Report	Attach. #3 List of PWR Utilities, Plants & Pressurizer Safety Valves, Power Operated Relief Valves

Doc. No.	DATE	From To/Entity	Doc. Type	Doc. Description
MNED 0099691 3 pgs. GS-1	2/13/81	GAnderson/MPR Assoc.	Summary	EPRI Safety Relief Valve Test Program QA Program Survey Status

MNED 0099707 1 pg. GS-1	2/16/81	JJCarey/EPRI	Letter	2/81 Description & Status Rpt
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Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099722 65 pgs. GS-1	2/81	No Name/EPRI	Report	EPRP/CE Safety/Relief Valve Test Facility Description & Status
MNED 0099788 2 pgs. GS-1	1/26/81	DABrand/PG&E RAClarke/PG&E	Memo	Research Contributions
MNED 0099790 1 pg. GS-1	1/26/81	J.J.Carey/EPRI	Letter	Attach for info interim rpt "Assessment of analysis Methods for PWR Safety/ Relief Valve Discharge Piping"
MNED 0099791 132 pgs. GS-1	12/80	No Name/EPRI	Report	Assessment of Analysis Methods for PWR Safety/Relief Valve Discharge Piping

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0099930 1 pg. GS-1	1/20/81	DVKelly/PG&E JJCarey/EPRI	Letter	Request for info concerning relief & Safety valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0100302 1 pg. GS-1	7/6/81	DABrand/PG&E GAManeatis/PG&E	Memo	EPRI Valve Test Prog.
MNED 0100303 1 pg. GS-1	7/7/81	DABrand/PG&E DSaxe/EPRI	Letter	PG&E Participation in a joint block valve test prog.
MNED 0100305 1 pg. GS-1	6/16/81	FLCulle./EPRI Chief Exec. Off. owning pressurized water reactors	Letter	Present status of the safety & relief valve prog.
MNED 0100316 2 pgs. CS-1	6/15/81	FLCuller/EPRI Chief Exec. Off. owning pressurized water reactors	Letter	PWR block valve test program

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0100335 2 pgs. GS-8	7/1/81	JJCarey/EPRI Tech. & Licensing Contacts	Letter	Ref. 1 ltr, F.Culler to Chief Exec. Officers owning pressurized water reactors, 6/16/81
MNED 0100398 1 pg. GS-1	7/1/81	KPBaskins/SCE FMiraglia/NPC	Letter	San Onofre Nuc. Generation Station Units 2&3

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 101692 1 pg. GS-1	8/4/81	BSnas/EPRI	Letter	Masoneilan Pwr operated relief valve w/2 attaches.
MNED 101693A 1 pg. GS-1	8/4/81	BSans/EPRI	List	Attach 2 List of plants w/Masoneilan PORV's
MNED 101694 1 pg. GS-1	8/4/81	CWSullivan/EPRI	Letter	PWR block valve data verification w/2 attaches.
MNED 101695 1 pg. GS-1	3/25/81	JJCarey/EPRI	Letter	Attach 1 PWR block valve test prog.
MNED 101696 5 pgs. GS-1	3/81 deduced	CWSulilvan/EPRI	Survey	Attach 2 Catalogued table of responses

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 101707 1 pg. GS-1	6/29/81	TEAuble/EPRI	Letter	Valve test of CCI PORV prelim. data w/attach.
MNED 101721 2 pgs. GS-1	2/26/81	No Name/PG&E FJMiraglia/NRC	Letter	PG&E supplement responses re Docket 50-275 & 50-323 w/attach. #7 (Inc. doc.)
MNED 101745 1 pg. GS-1	6/26/81	JJCarey/EPRI	Letter	Contingency analysis w/attach. Ltr w/list & ltr w/3 rpts
MNED 101908 73 pgs. GS-1	6/81	RTBrandt/Babcock & Wilcox LRCartin/" DADoss/" JWMerchant/" PWong/" WLBloomfield/"	Rpt	Attach. 2 Definition of level 2 acceptance criteria for pressurizer safety valve PORV "Fall Back" Positions
MNED 102041 2 pgs. GS-1	6/25/81	Dr. SHChien/Anco Eng. Inc. RLaverty/PG&E	Letter	Cover ltr w/attach offering of Anco svc to PG&E
MNED 102042 1 pg. GS-1	6/81	No Name/Anco Eng. Inc.	Summary	Attach 1 Description of Anco Engineers capability to analyze PORV/SRV to meet NUREG 0737
MNED 102043 7 pgs. GS-1	6/81	No Name/Anco Eng., Inc.	Brochure	Attach. 2 Anco Eng. Inc. Brochures

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 102067 2 pgs. GS-1	6/15/81	FLCuller/EPRI	Letter	2nd Attachd ltr transmits NURE 0737 new requirement for qualification of PWR block valves w/2 attachs.
MNED 102100 2 pgs. GS-1	6/15/81	TEAuble/EPRI	Summary	Attach 1 summary of principal observations "As Tested" Whyte Phase test Matrix for the dresser relief valve
MNED 102424 1 pg. GS-1	6/3/81	Dr. SHChien/Anco Eng. Inc.	Letter	Transmits Anco's desire to help Co. respond to NUREG 0737 w/attach.
MNED 102425 1 pg. GS-1	6/3/81	Dr. SACHien/Anco	Analysis	Attach PWR valve qualification analysis to NRC Nureg 0578 & 0737 requirements

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 102435 19 pgs. GS-1	5/28/81	DPHoffman/Consumer Pwr Co.	Report	Attach 3 Prog. output/Submittal to utilities/submittal to NRC
MNED 102531 1 pg. GS-1	9/11/81	AJWheeler/EPRI	Letter	Transmits 2 docs backpressure calculations & piping data w/2 attach.
MNED 102532 9 pgs. GS-1	9/11/81	AJWheeler/EPRI	Report	Attach 1 EPRI/PWR valve prog. back-pressure calculations
MNED 102542 53 pgs. GS-1	9/11/81	AJWheeler/EPRI	Report	Attach. 2 Piping data run 526 Crosby 3x6 valve w/long inlet pipe

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 102611 19 pgs. GS-1	8/81	JJCarey/EPRI	Summary	Attach 3 Sum. Rev. of safety valve results
MNED 102630 14 pgs. GS-1	8/81	JJCarey/EPRI	Summary	Attach 4 frannatome safety valve efforts
MNED 102644 32 pgs. GS-1	8/81	JJCarey/EPRI	Analysis	Attach 5 upstream piping/safety valve analysis
MNED 102691 5 pgs. GS-1	8/81	JJCarey/EPRI	Analysis	Attach 9 Downstream Piping analysis
MNED 0103040 6 pgs. GS-1	8/26/81 deduced	No Name/EPRI	List	Attach 2 compilation of the list of block valves used in PWR's
MNED 0103355 1 pg. GS-1		JJCarey/EPRI Utility tech. contacts	Memo	Attached draft copy of the valve selection/justification rpt from EPRI w/1 attach.

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0103738 1 pg. GS-1	10/8/81	WBilanin/EPRI T&L contacts	Memo	Attached draft plant conditions justification rpt for Westinghouse plants w/1 attach.
MNED 0103739 50 pgs. GS-1	10/8/81 deduced	No Name/Westinghouse	Report	Attach 1 rpt re S/RV inlet fluid condition during valve actuation in Westinghouse-designed plants

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 103947 56 pgs. GS-1	4/1/70	EHFrye/Westinghouse-deduced	Report	General pressurizer vessel assembly w/2 attachs.
MNED 0104003 1 pg. GS-1	5/67 deduced	No Name/Westinghouse	Drawing	Attach 1 title-shipping assembly (Oversize)
MNED 0104004 1 pg. GS-1	3/69	No Name/Westinghouse	Drawings	Attach 2 title - Outline (Oversize)
MNED 0104093 13 pgs. GS-1	8/18/71	WGMcKeown/Westinghouse	Report	Title Pressurizer spray & heater capability & settling continous spray w/5 attached drawings
MNED 0104106 1 pg. GS-1	3/69 deduced	JWDorriycott/Westinghouse	Drawing	Attach 1 general assy & final pressurizer
MNED 0104106A 1 pg. GS-1	3/69 deduced	JWDorriycott/Westinghouse	Drawing	Attach 2 general assy & final Mach (After hydro test) pressurizer

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0104107 1 pg. GS-1	2/70	JWDorrrycott/Westinghouse	Drawing	Attach 3 Girth & long weld seam orientation pressurizer
MNED 0104108 1 pg. GS-1	2/70	No Name/Westinghouse	Drawing	Attach 4 Girth & long weld seam orientation pressurizer
MNED 0104109 1 pg. GS-1	11/69	JWDorrrycott/Westinghosue	Drawing	Attach 5 as built comparison dimensions pressurizer (6" relief & safety)

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
MNED 0104324 6 pgs. GS-1	9/9/81	HCGarg/NRC ZRRosztoczy/NRC	Memo	Trip Rpt audit of PG&E documentation concerning environmental qualification of electrical equipment per NUREG 0588 for DC units 1&2

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0104373 1 pg. GS-1	10/22/81	JVRocca/PG&E JBHoch/PG&E	Memo	PORV block valves designated as instrument class II. DC Units 1&2
MNED 0104398 2 pgs. GS-1	8/5/81	ACLeutbecher/IT&T corp. GMJoore/PG&E	Letter	Response to PG&E's inquiries re: IEEE qualification of ITT NH90 actuators
MNED 0104426 1 pg. GS-1	10/22/80	Paul Provence/PG&E	Memo	New correspondence file numbers in mechanical & nuclear file room
MNED 0104460 3 pgs. GS-1	4/28/81	LRBenson/Westinghouse DVKelly/PG&E	Letter	Limiterque SMB-00 operators failure of 2 valve operators meet requirements established by Westinghouse
MNED 0104891 1 pg. GS-1	10/22/81	LRBenson/Westinghouse JVRocca/PG&E	Letter	Facsimile use request PORV & PORV block valve seismic qualification

Doc. No.	DATE	FROM/TO/ENTITY	Doc. Type	Doc. Description
MNED 0105140 161 pgs. GS-1	7/79	No Name/NRC	Report	NUREG 0578 TMI-2 lessons learned task force status rpt & short-term recommendations
MNED 0105685 1 pg. GS-1	2/80	No Name/Tech. for Energy Corp.	Report	Draft 2.1.3.a direct indication of PORV & S/V position calibration of the acoustic monitors are described
MNED 0105686 1 pg. GS-1	2/80	No Name/Tech. for Energy Corp.	Report	Draft 2.1.3.a direct indication of PORC & S/V position calibration of the acoustic monitors are described
MNED 0105692 16 pgs. GS-1	2/80	No Name/Tech. for Energy Corp.	Report	General description acoustic valve position indication systems for nuc. plants
MNED 0105715 21 pgs. GS-1	2/80	No Name/Tech. for Energy Corp.	Report	Tec 914 S/RV flow indicator eng. analysis & design support services
MNED 0105736 21 pgs. GS-1	9/14/79	No Name/Tech for Energy Corp.	Rpt & Diagrams	Tec 1414 valve flow monitor system purpose, measurement theory, hardware description; general

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0105786 6 pgs. GS-1	1/31/80	JBHoch/PG&E	Report	Design changes DC Units 1&2 Design documents list. documents affected by design change notice
MNED 0105776 1 pg. GS-1	1/18/80	JWRizzi/Tech. for Energy Corp. RJStreich/PG&E	Letter	Enc. copy of technology for energy corp's quality assurance manual. If manual in controlled, acknowledge receipt.
MNED 0105777 3 pgs. GS-1	1/18/80	RJStreich/PG&E GHMoore/PG&E	Rpt & Diag.	Design change DC Units 1&2, pressurizer safety valves
MNED 0105803 2 pgs. GS-1	10/79	No Name/PG&E	Report	Direct indication of pwr operated R/SV position for PWR's & BWRS (2.1.3a)
MNED 0105805 3 pgs. GS-1	10/9/79	PGJencek/Tech. for Energy Corp. GHMoore/PG&E	Letter	Quotation for 2 3-channel valve flow indication systems for DC Units 1&2
MNED 0105808 1 pg. GS-1	8/10/79	JEMott/Tech. for Energy Corp.	Letter	TEC offers a commercially available valve flow indicator which provides unambiguous detection of flow through S/RV
MNED 0105816 2 pgs. GS-1	11/7/79	RWBeck/Westinghouse RPBenton/PG&E	Letter	DC 1&2 critical systems leak monitoring system our SF12-0075
MNED 0105818 7 pgs. GS-1	11/79	RWBeck/Westinghouse	Report	Critical systems leak monitoring system

DOC. NO.	DATE	FROM/TO/ENTITY	DOC. Type	DOC. DESCRIPTION
MNED 0105825 2 pgs. GS-1	11/6/79	KMKozak/Rockwell Int'l RLaverty/PG&E	Letter	Result of TMI incident NRC issued new regulation NUREG 0578 TMI-2 "lessons learned task force status rpt & short-term recommendations" dated 7/79.
MNED 0105827 2 pgs. GS-1	11/6/79	KMKozak/Rockwell Int'l Thomas Crawford/PG&E	Letter	Result of TMI incident NRC issued new regulation NUREG 0578 TMI-2 "lessons learned task force status rpt & short-term recommendations" dated 7/79.
MNED 0105829 6 pgs. GS-1	5/19/78	No Name/PG&E	Report	Main steam S/RV position acoustic monitoring system
MNED 0105839 3 pgs. GS-1	11/79	No Name/PG&E	Report	NUREG 0578-2.1.3 info to aid operators in accident diagnosis & control. NRC lessons learned task force short-term recommendations
MNED 0105842 12 pgs. GS-1	11/79	No Name/Westinghouse	Report	Westinghouse Acoustic leak monitor features, operation
MNED 0105855 7 pgs. GS-1	8/79	No Name/PG&E	Report	Critical systems leak monitoring system; technical description
MNED 0105862 2 pgs. GS-1	8/79	No Name/Westinghouse	Diagrams	Westinghouse proprietary figures 1- system block diagram Fig. 2- typical system layout w/22 channels (5 base, 17 optional)
MNED 0105864 2 pgs. GS-1	8/2/79	Gordon Shugars/EPRI TMI Coordinators	Letter	RV acoustic monitoring workshop invitation

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0105866 1 pg. GS-1	8/22/79	No Name/EPRC	Agenda	RV acoustic monitoring workshop
MNED 0105869 1 pg. GS-1	8/1/79	No Name/NUS Corp.	Report	Comments re: RV & SV position for PWRs & BWR's NUREG 0578 & peach bottom acoustic monitoring system

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0107420 12 pgs. GS-1	8/29/81	GHMoore/PG&E	Report	DC Units 1&2 component evaluation rpt, re: solenoid valve
MNED 0107432 1 pg. GS-1	8/21/71	JHC/Unknown Frank Mori/PG&E	Table	Elevations & S/N's of solenoid valves in containment
MNED 0107433 6 pgs. GS-1	8/81	No Name/PG&E	Report	Elevations & S/N's of solenoid valves in containment

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0109138 2 pgs. GS-1	11/7/79	RWBeckwith/Westinghouse RPBenton/PG&E	Letter	PG&E DC 1&2 critical systems leak monitoring system w/attach.
MNED 0109140 7 pgs. GS-1	11/7/79	No Name/Westinghouse	Study	Attach critical systems leak monitoring system
MNED 0109148 3 pgs. GS-1	9/17/81	RMLaverty/PG&E File/PG&E	Memo	EPRI mtg to discuss status of the S/RV testing prog. w/2 attaches

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0112021 1 pg. GS-1	2/3/81	RWDeutsch/General Physics Corp. GMOore/PG&E	Letter	Unsolicited proposals for eng. svcs w/attach.
MNED 0112022 57 pgs. GS-1	2/81 deduced	No Name/General Physics Corp.	Rpt	Attach. proposal to evaluate S/RV & discharge piping for pressurized water reactors
MNED 0112080 8 pgs. GS-1	4/22/81	GACarpenter/Teledyne AWaltner/PG&E	Letter	TES unsolicited proposal #5646 evaluation of pressurizer S/RV w/attach
MNED 0112088 4 pgs. GS-1	4/22/81	GACarpenter/Teledyne	Resume	Resume Donald F. Landers
MNED 0112208 7 pgs. GS-1	4/22/81	GACarpenter/Teledyne AWaltner/PG&E	Letter	TES unsolicited proposal #5646 evaluation of pressurizer S/RV w/attach

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0112216 5 pgs. GS-1	4/22 deduced	GA Carpenter/Teledyne	Resume	Resume of Donald F. Landers

DOC. NO.	DATE	FROM/ TO/ ENTITY	DOC. TYPE	DOC. DESCRIPTION
MNED 0112928 9 pgs. GS-1	4/21/81	GCMInor/No Affil No Name/PG&E	Affidavit	Affidavit re Issues re to PORV's & block valves
MNED 0112940 70 pgs. GS-1	8/10/74	No Name/Westinghouse No Name/PG&E	Report	Dynamic thrust analysis of pressurizer SV discharge piping system
MNED 0113013 1 pg. GS-1	8/5/18	No Name/PG&E No Name/PG&E	Handwritten Notes	Re: Pressurizer code safety valve
MNED J113014 1 pg. GS-1	5/19/81	No Name/PG&E No Name/PG&E	Handwritten Notes	Model #38-20771 all PORV Unit 1

			Doc. Type	Doc. Description
MNED 0113015 2 pgs. GS-1	3/2/81	No Name/PG&E	Handwritten Notes	PORV's
MNED 0113017 1 pg. GS-1	4/1/81	DVKelly/PG&E RMLaverty/PG&E TEAuble/EPRI	Letter	PWR block valve test PG&E file #161.52 Units 1&2 Diablo
MNED 0113018 2 pgs. GS-1	4/1/81 deduced	TEAuble/EPRI	Letter	Velan block valve
MNED 0113020 1 pg. GS-1		No Name/PG&E	Handwritten notes	Block valve drawing
MNED 0113030 1 pg. GS-1	1/20/81	DVKelly/PG&E JJCarey/EPRI	Letter	EPRI S/RV test prog.
MNED 0113032 1 pg. GS-1		No Name/PG&E	Diagram	Velan pressurizer relief block valve
MNED 0113033 2 pgs. GS-1	12/26/79	No Name/PG&E	Handwritten Notes	PORV valves
MNED 0113036 1 pg. GS-1	10/10/80	PACrane/PG&E Albert Schwencer/NRC	Letter	Overpressure transient protection for the long-term DC 1&2

DOC. NO.	DATE	FROM/TO/ENTITY	DOC. TYPE	DOC. DESCRIPTION
MNED 0113037 7 pgs. GS-1		No Name/PG&E	Outline	To startup & shutdown overpressure Protection
MNED 0113046 4 pgs. GS-1	7/21/78	DHStitt/No Affil No Name/PG&E	Outline	Calibration testing for pressurizer Relief valves
MNED 0113051 1 pg. GS-1		No Name/PG&E	Summary Outline	Summary of pressurizer safeties set-point testing
MNED 0113052 1 pg. GS-1	1/16/80	SETraisman/Westinghouse HRDenton/NRC	Letter	A TWS conditions valve testing
MNED 0113056 5 pgs. GS-1	3/79	No Name/PG&E	Table	Valve qualifications Hosgri evaluation
MNED 0113068 4 pgs. GS-1	11/80	No Name/NRC No Name/PG&E	Plan	Clarification of TMI action plan requirements
MNED 0113072 5 pgs. GS-1	5/80	No Name/NRC No Name/PG&E	Plan	NRC action plan developed as a result of the TMI-2 accident

DOC. NO.	DATE	FROM / TO / BY	DOC. TYPE	DOC. DESCRIPTION
MNED 0113077 2 pgs. GS-1	80	No Name/NRC No Name/PG&E	Report	TM7-2 Lessons learned Task Force Status Report and Short-Term Recommendations
MNED 0113082 1 pg. GS-1	4-9-81	RHEngelken/NRC PACrane/PG&E	Cov. Letter	Encl. NRC Bulletin R: Valve Failure
MNED 0113083 8 pgs. GS-1	4-9-81	RHEngelken/NRC PACrane/PG&E	Report	Failure of Gate Valves to close against Differential pressure
MNED 0113081 1 pg. GS-1	12-5-80	No Name No Name	Par-Report	Re, 150 PSI Opavt from PORV (For limit, condition for operation)
MNED 0113102 GS-1	12-5-80	No Name/? No Name/?	Partial Report	Part concerns, Action to be taken in case press Ltrs are inoperable.
MNED 0113111 6 pgs. GS-1	1958	No Name/NRC	Regulations	(Section III Nuclear Vessels-Class A) Article 9 Protection Against Overpressure

DOC. NO.	DATE	FROM/ TO/ ORIGIN	DOC. TYPE	DOC. DESCRIPTION
MNED 0113117 9 pgs. GS-1	1971	No Name/NRC	Regulations	Section III Article NB-7000 Protection against overpressure
MNED 0113126 1 pg. GS-1	9/75	No Name/PG&E	Table	Section III Piping systems
MNED 0113127 3 pgs. GS-1	7/80	No Name/PG&E	Partial Rpt	Classification of structures, components, & systems
MNED 0113153 1 pg. GS-1	10/71	No Name/NRC PACrane/PG&E	Cover Page	Transmitted herewith
MNED 0113154 15 pgs. GS-1	10/71	JMGeets/Westinghouse PACrane/PG&E	Report	Topical rpt overpressure protection for Westinghouse pressurized water reactors
MNED 0113185 2 pgs. GS-1	3/13/81	POSL/PG&E CHirst/Westinghouse	Phone Record	Discussing design codes for PORV's & SRV's
MNED 0113187 2 pgs. GS-1	5/5/81	BBuckley/NRC BSlew/PG&E	Phone Record	Valve specifics for DCPD

DOC. NO.	DATE	FROM/TO/ENTITY	DOC. TYPE	DOC. DESCRIPTION
MNED 0113189 1 pg. GS-1	5/6/81	GCWu/PG&E FCherny/NRC	Phone Record	Valve specifics for DCPD
MNED 0113191 1 pgs. GS-1	5/14/81	BBuckley/NRC FCWu/PG&E	Phone Record	Request for info on valve positions of PORV's Block, & Safety valves
MNED 0113198A 1 pg. GS-1	5/11/81	RS Huffman/ SHChin/EPRI	Memo Rpt	Certification w/refurbishment of electromatic relief valve
MNED 0113233 1 pg. GS-1	5/13/81	TEAuble/EPRI RLaverty/PG&E	Letter	Transmitted herewith
MNED 0113261 1 pg. GS-1	1/13/81	JJ Carey/EPRI	Cover Ltr	Transmitted herewith
MNED 0113304 1 pg. GS-1	3/24/81	JJ Carey/EPRI	Cover Ltr	Attached valve status rpt
MNED 0113336 1 pg. GS-1	3/21/75	No Name/PG&	Drawing	of Pressurizer relief line
MNED 0113337 1 pg. GS-1	8/80	No Name/PG&E	Drawing	Of PORV
MNED 0113338 1 pg. GS-1	8/6/80	No Name/PG&E	Drawing	Data outline

DOC. NO.	DATE	FROM/TO/ENTITY	DOC. TYPE	DOC. DESCRIPTION
MNED 0113339 1 pg. GS-1	3/21/75	No Name/PG&E	Drawing	Of pressurizer RV system
MNED 0113354 1 pg. GS-1	10/20/76	AGWalther/PG&E File/PG&E	Memo	Response to DP-p.1116-M Pre- operational piping dynamics effects test prog.
MNED 0113484 4 pgs. GS-1	7/7/78	DHStitt	Report	Calibration testing for pressurizer relief valves
MNED 0113522 4 pgs. GS-1	7/21/78	DHStitt	Report	Calibration testing for pressurizer relief valves

DOC. NO.	DATE	FROM/TO/ENTITY	DOC. TYPE	DOC. DESCRIPTION
MNED 0114441 4 pgs. GS-1	8/24/70	No Name/PG&E	Sketches	Air operated valve installation sketches
MNED 0114455 2 pgs. GS-1	12/6/77	DVKelly/PG&E JJAnderson/WYLE Lab	Letter	Re Report 58228 titled "Seismic Testing-4 SRV
MNED 0114479 12 pgs. GS-1		No Name/Westinghouse No Name/PG&E	Report	Westinghouse improved charging pump miniflow system modification
MNED 0114499 3 pgs. GS-1	7/1/81	RCYoungdahl/EPRI Harold R. Denton/NPC	Letter	Status of EPRI/PWR S/RV NUREG-0737

DOC. NO. DATE FROM/TO/WHILE DOC. TYPE DOC. NUMBER/REASON

MNED 0114634 8/27/81 SHChin/EPRI Outline Valve disassembly inspection
1 pg.
GS-1

MNED 0114635 8/27/81 SHChin/EPRI List Assembly procedure
1 pg.
GS-4

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0114636 1 pg. GS-1	8/27/81 deduced	No Name/PG&E	Diagram	Diagram
MNED 0114637 1 pg. GS-1	8/27/81	Garrett Pneumatic Sys. Div.	List	3x6 straight thru PORV Wyle test configuration
MNED 0114645 2 pgs. GS-1	9/22/81 deduced	No Name/PG&E	Outline	Proposal for eng. follow & evaluation of NRC mandated S/RV
MNED 0114652 1 pg. GS-1	8/31/81	No Name/PG&E BSlew/PG&E	Handwritten	"No strategy on block valves-Have agreed to EPRI Prog."

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0114694 3 pgs. GS-1	6/15/81	FLCulle-/EPRI Chief Exec. Off. owning PWR's	Letter	New requirement for NUREG 0737, qualification of PWR block valves w/1 attach
MNED 0114697 16 pgs. GS-1	6/10/81	No Name/EPRI	Draft Study	Attach 1 EPRI Task action plan for varification of PWR block valve functionability
MNED 0114724 1 pg. GS-1	5/5/81	DVKelly/PG&E JEMurphy/Westinghouse	Letter	Analysis of R/SV to meet the requirements of NUREG 0737
MNED 0114724 1 pg. GS-1	5/5/81	DVKelly/PG&E JEMurphy/Westinghouse	Letter	Analysis fo R/SV to meet the require- ments of NUREG 0737
MNED 0114839 1 pg. GS-1	2/3/81	BSmith/Velan Eng. Cos. RLaverty/PG&E	Letter	Re block valve
MNED 0114840 12 pgs. GS-1	12/79	No Name/Velan Eng. Corp.	Report	The 2½" ERV block valve RC-V2 & performance importance in TMI acc.
MNED 0114853 68 pgs. GS-1		No Name/Velan Eng. Corp.	Catalogue	Block valves & Other types of valves (2 ½" block valve etc)

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0115017 1 pg. GS-1	9/16/80	BKing/Westinghouse SMSkidmore/PG&E	Letter	"PORV sensitivity study"
MNED 0115018 1 pg. GS-1	8/20/81	JJCarey/EPRI BJorgenson/Westinghouse	Letter	PWR S/RV prog. contingency analysis efforts
MNED 0115045 2 pgs. Gs-1	12/21/79	FFMautz/PG&E JJCarey/EPRI	Cover Ltr	Enc. isometric drawings of piping
MNED 0115047 6 pgs. GS-1	12/79	FFMautz/PG&E JJCarey/EPRI	Tables	Tables & Drawings on DC overpressure Protection Sys.
MNED 0115059 1 pg. GS-1	11/79	No Name/EPRI	Mtg Notes	Discussed adding issues raised by NUREG 078
MNED 0115057 2 pgs. GS-1	12/21/79	FFMautz/PG&E JJCarey/EPRI	Letter	Discussing EPRI's relief valve system
MNED 0115143 1 pg. GS-1	12/11/79	JRStevenson/PG&E RML/	Memo	Valve tests startings test data
MNED 0115146 2 pgs. GS-1	4/1/80	WTracy/Dresser Industries FFMautz/PG&E	Letter	TMI Incident - Relief & safety valves (ASME Code)

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0115151 1 pg. GS-1	2/26/80	CLGotshall/Westinghouse JDEJeffries/	Letter	Response to request 1/11/80 mtg re PORV's & block valves w/enc.
MNED 0115152 3 pgs. GS-1	2/26/80	CLGottshall/Westinghouse JDEJeffries/	List	Attach. Identification of Westinghouse supplied valves
MNED 0115186 9 pgs. GS-1	11/29/79	BKing/Westinghouse	Report	Attach. General description & tech. parameters
MNED 0115227 3 pgs. GS-1	1/28/80	DPHoffman/Consumers Pwr Co.	Minutes	Attach. Minutes of 1/21/80 mtg w/attach A,B,C,D

Doc. No.	DATE	From/To/Entity	Doc. Type	DOC. DESCRIPTION
9116529 1 pg. GS-1	11/5/75 deduced	No Name/PG&E	Procedure	Solution 3 design considerations

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
MNED 0116667 14 pgs. GS-1		No Name/PG&E	Report	Description & analysis of Protective relief system for containment purge valves DC 1&2
MNED 0116796 1. pg. GS-1	3/27/79	DVKelly/PG&E RDEtzler/PG&E	Memo	Solenoid valves, DCPD DCO-E-M-216

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
MNED 0116824 1 pg. GS-1		No Name/PG&E	Procedure	Solution 3 design considerations

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0117078 13 pgs. GS-1	1/8/81	No Name/Lonegran Co.	Record Index	Lonegran Co supplier document record index for relief valves
MNED 0117094 2 pgs. GS-1	5/11/79	DESmith/PG&E RSBain/PG&E RDEtzler/PG&E	Reviewal	Eng. Quality control dept. perform. of PG&E QC Requirements
MNED 0117096 2 pgs. GS-1	5/11/79	DESmith/PG&E RSBain/PG&E	Reviewal	Eng. quality control dept. perform. QC requirements
MNED 0117114 2 pgs. GS-1	5/19/79	No Name/Steam Specialities Co. RDEtzler/PG&E	Purchase Order	Please refer to above order dated 3/6/79 for safety valves

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
MNED 0117327 1 pg. GS-1	10/19/73	JWSale/PG&E TMCrawford/PG&E	Memo	Volume chambers relief valves
MNED 0117370 209 pgs. GS-1		No Name/Westinghouse	Info Package	Material extracted from Westinghouse introduction to pwr plant operation prog.

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0117578 2 pgs. GS-1		No Name/PG&E	Data sheet	S/RV data sheet
MNED 0117612 42 pgs. GS-1	5/7/81	SOChilk/NRC	Summary	License requirements for pending operating license applications
MNED 0117861 34 pgs. GS-1		No Name/Bechtel	Report	Control valves application & material

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0118727 2 pgs. GS-1	3/13/81	BSLew/PG&E Carl Hirst/Westinghouse (deduced)	Phone Memo	S/RV & PORV design codes
MNED 0118729 1 pgs. GS-1	3/3/81	BSLew/PG&E JDShiffer/PG&E	Memo	Comments on EPRI valve testing prog.
MNED -118733 2 pgs. GS-1	3/2/81	BSLew/PG&E RMLaverty/PG&E	Phone Memo	EPRI Valve testing prog.
MNED 0118731 1 pg. GS-1	2/20/81	NHSechan/PG&E RHowe/PG&E	Phone Memo	PORV's
MNED 0118870 1 pg. GS-1	10/22/81	JVRocca/PG&E JBHloch/PG&E	Memo	PORV block valves

Doc. No. DATE From/To/Entity Doc. Type Doc. Description

MVED 0118795
6 PGS
GS-1

NO NAME/EPRI

8/81

Data

Attach 2 compilation of the list of
block valves used in PWR's.

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
EEDD 0119079 1 pg. GS-1	12/80	No Name/PG&E	Handwritten Notes	Pressurizer heater connecting cables
EEDD 0119085 1 pg. GS-1	8/79	No Name/PG&E	Handwritten Notes	Press. heaters emerg. pwr supply was class IE item
EEDD 0119086 2 pgs. GS-1	8/16/79	JBHoch/PG&E No Name/PG&E	Memo	Engineer's material memo, showing press. heaters emerg. pwr supply as class IE item

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
MNED 0120439 1 pgs. GS-1	2/13/71	No Name/PG&E	Diagram	Schematic Diagram reactor coolant motor operated valves
MNED 0120440 1 pg. GS-1	5/31/71	No Name/PG&E	Diagram	Schematic diagram containment purge system

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
TCED 0121590 60 pgs. GS-1	5/4/80	TERA	Reference	Near source attenuation of peak horizontal acceleration by KWCampbell
TCED 0121650 134 pgs. GS-1	12/80	TERA	Reference	Attenuation of peak horizontal acceleration w/in the near source region of moderate to large earthquakes. TERA tech. rpt 80-1 by KWCampbell
TCED 0121754 608 pgs. GS-1	11/79	Applied Tech. Council	Report	Proceedings of a workshop on earthquake resistance of Hwy bridges held on 1/29-31/79

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>Doc. Description</u>
CEDD 0122363 3 pgs. GS-1		No Name/PG&E	Computation Sheet	260 meteorological test at DC w/11 attaches.
CEDD 0122366 1 pg. GS-1	12/8/66	No Name/PG&E	Diagram	Attach 1 meteorological facilities
CEDD 0122367 1 pg. GS-1	5/23/69	No Name/PG&E	Diagram	Attach 2 meteorological tower foundation modification
CEDD 0122368 1 pg. GS-1	7/26/62	No Name/PG&E	Diagram	Attach 3 concrete guy anchors
CEDD 0122369 1 pg. GS-1	7/21/62 deduced	No Name/PG&E	Diagram	Attach 4 erection diagram 260' meteorological mast 1st used at Bodega Bay
CEDD 0122370 1 pg. GS-1	7/62 deduced	No Name/PG&E	Diagram	Attach 5 details 260' meteorological mast 1st used at Bodega Bay
CEDD 0122371 1 pg. GS-1	7/62 deduced	No Name/PG&E	Diagram	Attach 6 ladders 260' meteorological mast 1st used at Bodega Bay
CEDD 0122372 1 pg. GS-1	7/20/62	No Name/PG&E	Diagram	Attach 7 gratings 260' meteorological mast
CEDD 0122373 1 pg. GS-1	6/5/62	No Name/PG&E	Diagram	Attach 8 Guy mast footing
CEDD 0122374 1 pg. GS-1	8/3/62	No Name/PG&E	Diagram	Attach 9 260' meteorological mast

<u>Doc. No.</u>	<u>DATE</u>	<u>From/To/Entity</u>	<u>Doc. Type</u>	<u>DOC. DESCRIPTION</u>
CEDD 0122375 1 pg. GS-1	8/3/62	No Name/PG&E	Diagram	Attach 10 260' meteorological mast
CEDD 0122376 1 pg. GS-1	7/20/62	No Name/PG&E	Diagram	Attach 11 Platform 260' meteorological mast

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
NPOD 0122378 3 pgs. GS-1	7/13/81	WKeyworth/PG&E	Memo	Emerg. plan drill rpt 7/31/81 w/1 attach
NPOD 0122381 7 pgs. GS-1	7/3/81	WJKeyworth/PG&E	Report	Attach 1 DCPD Unit 1 emerg. plan drill scenario
NPOD 0122388 2 pgs. GS-1	7/23/81	WJKeyworth/PG&E	Memo	Emerg. plan drill rpt 7/22/81
NPOD 0122390 21 pgs. GS-1	5/2/79	JDShiffer/PG&E	Memo	Discussion of emerg. exercise of 5/2/79
NPOD 0122411 1 pg. GS-2	10/19/81	JOSchuyler/PG&E GAManeatis/PG&E	Transmittal Ltr	Additional request for VP&GM authorization for a study of earthquake effects on DC emerg. plans/ w/2 attaches
NPOD 0122412 1 pg. GS-2	10/12/81	Bob Cudlin/TEFA SMSkidmore/PG&E	Transmittal Ltr	Attach 1 earthquake emerg. planning follow-on tasks proposal #TR-81-1401 w/encs.
NPOD 0122413 8 pgs. GS-2	10/12/81 deduced	Bob Cudlin/TERA SMSkidmore/PG&E	Report	Enc. 1 Proj. summary estimated budget
NPOD 0122421 1 pg. GS-2	10/12/81 deduced	Bob Cudlin/TERA SMSkidmore/PG&E	Summary	Enc. 2 TERA Corp. fees for svcs
NPOD 0122422 1 pg. GS-2	10/12/81	Bob Cudlin/TERA SMSkidmore/PG&E	Change Form	Enc. 3 Job change form

Doc. No.	DATE	From/To/Entity	Doc. Type	DOC. DESCRIPTION
NPOD 0122423 2 pgs. GS-2	6/19/81	JOSchuyler/PG&E GAMancatis/PG&E	Letter	Attach 2 request for VP&GM authorization for earthquake effects on DC emerg. planning & full-pwr hearing support
NPOD 0122425 11 pgs. GS-2	10/12/81	Bob Cudlin/TERA SMSkidmore/PG&E		Duplicate of documents numbered
NPOD 0122436 1 pg. GS-2	9/28/81	Bob Cudlin/TERA SMSkidmore/PG&E	Transmittal Ltr	Consultant control rpt for 8/1/81 through 9/8/81
NPOD 0122437 5 pgs. GS-2	9/28/81 deduced	Bob Cudlin/TERA SMSkidmore/PG&E	Report	Consultant control rpt for 8/1/81 through 9/8/81
NPOD 0122442 1 pg. GS-2	9/25/81	JJMcCann/PG&E EDCogswell/PG&E JFTaylor/PG&E	Transmittal Ltr	Subject change order to contract w/TERA, w/1 attach
NPOD 0122443 1 pg. GS-2	9/14/81	PSchleifer/TERA JOSchuyler/PG&E	Change Order	Contract change order Attach 1
NPOD 0122444 1 pg. GS-2	6/8/81	DKDavis/TERA SMSkidmore/PG&E	Transmittal Ltr	TERA proposal TR-81-1247 emerg. planning assistance w/2 attach.
NPOD 0122445 1 pg. GS-2	6/8/81	RLCudlin/TERA DKDavis/TERA SMSkidmore/PG&E JWSchiffer/PG&E	Change Form	Attach 1 Job scope change form DC emerg. plan assistance TERA job #7709
NPOD 0122446 3 pgs. GS-2	6/8/81 deduced	RLCudlin/TERA SMSkidmore/PG&E	Proposal	Attach 2 proposal TR-81-1247; emerg. planning activities required for full-pwr license

Doc. No.	DATE	From/To/Entity	Doc. type	DOC. DESCRIPTION
NPOD 0122449 1 pg. GS-2	6/15/81	DKDavis/TERA SMSkidmore/PG&E	Transmittal Ltr	TERA proposal TR-81-1274 rev. 1 w/1 attach.
NPOD 0122450 7 pgs. GS-2	6/15/81 deduced	DKDavis/TERA SMSkidmore/PG&E	Proj. Summary	Attach 1 estimated labor & other direct cost; TERA proposal TR-18-1174
NPOD 0122457 1 pg. GS-2	6/29/81	RLCudlin/TERA SKlein/PG&E	Letter	Clarification of the scope of work applicable to job scope change #7709-2

Doc. No.	DATE	From/To/Entity	Doc. Type	DOC. DESCRIPTION
QADD 0122459 3 pgs. GS-1	4/8/81	GCLaguens/PG&E	Verification	Design verification for press. RV
QADD 0122462 1 pg. GS-1	12/4/80	No Name/PG&E	Review	Loss of coolant accident (LOCA) from a single electrical failure
QADD 0122463 1 pg. GS-1	6/23/80	No Name/PG&E	Analysis rpt	NSAC/INPO significant event-event description
QADD 0122464 4 pgs. GS-1	9/26/79	BLKing/Westinghouse JHGormly/PG&E	Letter	DC transmittal of results of study pressurizer heaters
QADD 0122468 2 pgs. GS-1	4/8/80	No Name/PG&E	Procedure	PG&E Eng. Quality Control Dept. inspection section inspection plan
QADD 0122470 10 pgs. GS-1	1980	No Name/PG&E	Report	PG&E Nuc. Plant problem reports
QADD 0122480 6 pgs. GS-1	6/6/75	EMatis/PG&E JRobinson/PG&E	Report	PG&E Eng. Dept weekly inspection rpts
QADD 0122486 1 pg. GS-1	5/27/81	No Name/PG&E	Analysis	PG&E Design calculations-valves

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
NPOD 0122493 2 pgs. GS-1	5/12/78	LFGoad/Wyle Labs. KGrachan/Fed. Signal Corp.	Transmittal Ltr	Fed. Signal Corp. purchase order #B122556; Wyle Laboratories job #ND58306 w/2 attach.
NPOD 122494A 3 pgs. GS-1	5/12/78 deduced	KGrachan/Fed. Signal Corp.	Comments	Attach. #1; comments on seismic test of siren
NPOD 122497 96 pgs. GS-1	5/23/78	JJAnderson/Wyle Labs LFGoad/Wyle Labs No Name/PG&E	Report	Attach #2; seismic testing of 1 thunderbolt siren, 1003A w/A.F. control 2 300GC selectone units, 1 RCM1A, & 1 RCM3 for Fed. Signal Corp Signal Div. including appendices A-E.
NPOD 122594 1 pg. GS-1	3/14/80	RDEtzler/PG&E Fed. Pacific Electric Co.	Purchase Order	Pressurizer heaters w/2 attach.
NPOD 122595 1 pg. GS-1	3/80 deduced	No Name/PG&E	Description	Attach 1 detailed description of material
NPOD 122596 2 pgs. GS-1	2/26/80	No Name/PG&E	Purchase Order	Attach 2 pressurizer heaters
NPOD 122598 1 pg. GS-1	4/6/77	Okonite Co. MRTresler/PG&E	Purchase Order	Insulated Electrical Conductor w/3 attach.
NPOD 122599 2 pgs. GS-1	4/77 deduced	No Name/PG&E	Description	Attach 1 description of insulated electrical conductor

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
NPOD 122601 1 pg. GS-1	4/27/77	MRTresler/PG&E Okonite Co.	Purchase Order	Attach 2 insulated electrical conductor
NPOD 122602 1 pg. GS-1	4/77 deduced	No Name/PG&E	Description	Attach 3 description of insulated electrical conductor
NPOD 122603 1 pg. GS-1	9/9/79	RDEtzler/PG&E Fed. Pacific Electric Co.	Purchase Order	Circuit breaker w/3 attach.
NPOD 122604 1 pg. GS-1	9/79 deduced	No Name/PG&E DABrand/PG&E RSBain/PG&E	Description	Attach 1 circuit breaker
NPOD 122605 2 pgs. GS-1	8/16/79	No Name/PG&E DABrand/PG&E	Memo	Material memo re: pressurizer heaters/ attach 2
NPOD 122607 1 pg. GS-1	9/11/79	No Name/PG&E	Instructions	Instructions for preparing safety related purchase orders/3 attach
NPOD 122608 1 pg. GS-1	9/79 deduced	No Name/PG&E	Diagram	Typical mounting detail of 480V air circuit breaker

Doc. No.	DATE	From/To/Entity	Doc. Type	Doc. Description
NPOD 122610 5 pgs. GS-1	5/8/69	EHFrye/Westinghouse	Equipment specification sheet	Re: pressurizer
NPOD 122615 55 pgs. GS-1	12/23/66	EHFrye/Westinghouse	Equipment specification sheet	General pressurizer vessel assembly
NPOD 122672 88 pgs. GS-1	2/81	DCWood/Westinghouse GLGottshall/Westinghouse	Report	Probabilistic analysis & operational data in response to NUREG 0737

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
PACIFIC GAS AND ELECTRIC COMPANY)
)
Diablo Canyon Nuclear Power Plant,)
Units 1 and 2)
_____)

DOCKETED
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Docket No. 50-275
Docket No. 50-323
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(Full Power Proceeding)

CERTIFICATE OF SERVICE

The foregoing document(s) of Pacific Gas and Electric Company has (~~have~~) been served today on the following by deposit in the United States mail, properly stamped and addressed:

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U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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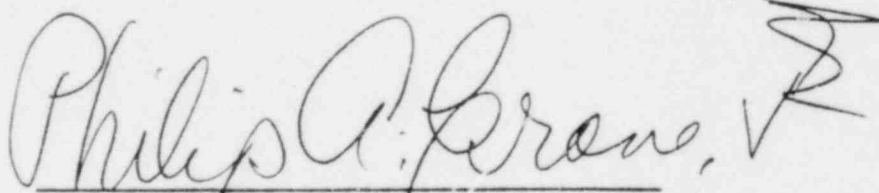
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