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# Reotemp Pressure Indicator – Local Pressure Indication to Monitor the SCHe Purge Line Pressure After the PRV

Carl Van Katwijk Numatec Hanford Co, Richland, WA 99352 U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 626274 Org Code: 2G300 B&R Code: 39EW40400 UC: 620 Charge Code: 105559/A000 Total Pages: 3

Key Words: Pressure Indicators - Purge Lines

Abstract: Reotemp Pressure Indicator – Local Pressure Indication to Monitor the SCHe Purge Line Pressure After the PRV CGI-SNF-D-13-P5-028

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#### **Approved for Public Release**

	Section 1 Par	tInformation		
Item No.: NA	Manufacturer:		Supplier	
Mfg. Part/Model No.:		Supplier's P/N:		
Part Description:		J		
End Use Description:		<u>, , , , , , , , , , , , , , , , , , , </u>		
	Section 2a Comp	ment information		
Equipment No.: SCHe-PI- 5*09, 5*28, 5*48, 5*68	Specification No.: W-441- P5, Rev. 2	Manufacturer: Reo Instruments	temp	Past P.O. No.: NA
	Equipment Supplier (if differen	nt from manufacturer):	TBD	Equip. Supplier's Par
Manufacturer's Part/ Model No.: PR-25-S-1-A-4- P15-D Component Description: The downstream of the PRV 5*48 and 5*68 monitor 1. Is the Item available from	se 0-15 psig range pressu s. PI 5*09 and PI 5*28 i the 2 psig pressure purg Section 2b Qualified V a catalog from a qualified NQA1	re indicators are la nonitor the 7 psig e lines. (endor/Sappler Survey e <del>r ISO 9000 suppli</del> er (	pressur	n the SCHe purge e purge lines and e with project CGI inter
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Title: REOTEMP PRESSURE INDICATOR - LOCAL PRESSURE	
INDICATION TO MONITOR THE SCHE PURGE LINE PRESSU	<u>RE</u>
AFTER THE PRV	
3. Question #3: Is the Item ordered from manufacturer/supplier on the basis or spec	ifications set forth in the manufac
catalog?	
[ ] NO (the Item is not commercial grade)	
X YES (continue)	
[X] All three criteria have been satisfied. The Item meets the definition of comm	nercial grade.
Section 2d Reason for Decication	
The above described item is being Dedicated for use in the application of a	d for the following reason(s)
<ul> <li>Item is being purchased from a non ESL manufacturer supplier as commercial application.</li> </ul>	al grade to be used in a Safety C
<ol> <li>Item is being purchased from a non ESL manufacturer supplier as commercial Significant application.</li> </ol>	al grade to be used in a Safety
<ol> <li>Item was purchased from a non ESL manufacturer supplier as commercial g application.</li> </ol>	rade to be used in a Safety Class
<ol> <li>Item was purchased from a non ESL manufacturer supplier as commercial g application.</li> </ol>	rade to be used in a Safety Signi
[ ] Other ('like-for-like', similar, substitution, replacement evaluation)	
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation	
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:	
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the	SCHe system.
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.	SCHe system.
Other (like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Parl/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     3.	SCHe system.
Other (like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     B. Part/Component Functional Mode     Sector Emails #1:	SCHe system.
Other (like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     B. Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function	SCHe system.
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [ ] Pasive – Change of state is not required for the component to perform	SCHe system.
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     B. Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [X] Passive – Change of state is not required for the component to perfore     Safety Function #2:	SCHe system.
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     B. Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [X] Passive – Change of state is not required for the component to perform     Safety Function #2:     [ ] Active – Mechanical or Electrical change of state is required to occur f	SCHe system. or the component to perform its s m its safety function or the component to perform its s
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     J     Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [X] Passive – Change of state is not required for the component to perfon     Safety Function #2:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function	SCHe system.
Other ('like-for-like', similar, substitution, replacement evaluation)     Section 3 Failure Effects Evaluation     A. Part/Component Safety Function:     Pressure boundary integrity – prevents helium leakage from the     Maintain pressure boundary after seismic event.     B. Part/Component Functional Mode     Safety Function #1:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [X] Passive – Change of state is not required for the component to perfor     Safety Function #2:     [ ] Active – Mechanical or Electrical change of state is required to occur f     function     [X] Passive – Change of state is not required for the component to perfor     Safety Function     [X] Passive – Change of state is not required for the component to perfor	SCHe system. or the component to perform its s m its safety function or the component to perform its s m its safety function
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<ul> <li>Other ('like-for-like', similar, substitution, replacement evaluation)</li> <li>Section 3 Failure Effects Evaluation</li> <li>A. Part/Component Safety Function: <ol> <li>Pressure boundary integrity – prevents helium leakage from the</li> <li>Maintain pressure boundary after seismic event.</li> </ol> </li> <li>B. Part/Component Functional Mode Safety Function #1:  <ol> <li>Active – Mechanical or Electrical change of state is required to occur f function</li> <li>Y Passive – Change of state is not required for the component to perforn Safety Function #2: </li> <li>Active – Mechanical or Electrical change of state is required to occur f function.</li> <li>Active – Mechanical or Electrical change of state is required to occur f function.</li> <li>Active – Mechanical or Electrical change of state is required to occur f function.</li> </ol> </li> </ul>	SCHe system. or the component to perform its s m its safety function or the component to perform its s m its safety function or the component to perform its s

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C. Host Component Safety Function (if applicable):
1. NA
2.
3.

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5.				
Section 4	Environmental & Natural Phenomena I	lazard Design		
Environmental Qualification Required:	If yes: Environ	If yes: Environmental Qualification Requirements		
Yes [ ]	Limiting Enviro	nmental Conditions:		
No [X]	Required Safet	y Functions:		
Environmental Condition B	Qualification Pe	eriod:		
Natural Phenomena Hazard (NPH) Desigi	al Phenomena Hazard (NPH) Design Required: If yes: NPH Design Requirements			
Yes [X]	Performance C	ategory: PC-3		
No [ ]	NPH Design Re	eqits.: Seismic Condition B		
HNF-PRO-97, Rev. 0	Required Safet	y Functions: Pressure Boundary		
W-441-P5, Rev. 2	Integrity			
	Section 5 Component Functional CL			
		assinganun		
[X] Safety Class (SC)	[ ]General Service	[ ] Safety Significant (SS)		
[X] Safety Class (SC) f part/component classification is different	[ ]General Service t from host component/system, docume	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) f part/component classification is different	[ ]General Service t from host component/system, docume	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) f part/component classification is different	[ ]General Service from host component/system, docume	[ ] Safety Significant (SS) nt basis.		
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[X] Safety Class (SC) f part/component classification is different	[ ]General Service t from host component/system, docume	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) f part/component classification is different	[ ]General Service t from host component/system, docume	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) If part/component classification is different	[ ]General Service t from host component/system, docume Section 6 [roserved]	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) If part/component classification is different	[ ]General Service t from host component/system, docume Section 6 [reserved] Section 7 [reserved]	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) f part/component classification is different	[ ]General Service from host component/system, docume Section 8 [reserved] Section 7 [reserved] lion 8 References (for Functional Class	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) If part/component classification is different second statement of the second sta	[ ]General Service from host component/system, docume Section 6 [reserved] Section 7 [reserved] Ion 8 References (for Functional Class Safety Analysis Report (SAR): June 50, Safe 54, 002	[ ] Safety Significant (SS) nt basis.		
[X] Safety Class (SC) f part/component classification is different second second secon	[ ]General Service from host component/system, docume Section 6 [reserved] Section 7 [reserved] Gen 8 References (for Functional Class Safety Analysis Report (SAR): HNF-SD-SNF-SAR-002, Rev. 40	Isanceuon [ ] Safety Significant (SS) nt basis. Iteation) Drawings: H-1-82165, Rev. 2 HNF-SD-SNF-SEL-002, Rev. 4 CVDE-SSD-003		
[X] Safety Class (SC) f part/component classification is different second component classification is different Second component classification is different Second component classification is different (onder Manuals/Manufacturar/Curpaires in	[ ]General Service from host component/system, docume Section 6 [reserved] Section 7 [reserved] tion 8 References (for Functional Class Safety Analysis Report (SAR): HNF-SD-SNF-SAR-002, Rev. 4A Formation: Restauro Instrument (	Isanoruon [] Safety Significant (SS) nt basis.  Itation Drawings: H-1-82165, Rev. 2 HNF-SD-SNF-SEL-002, Rev. 4 CVDF-SSD-003 Comparation Series PR Stainloop		
[X] Safety Class (SC) If part/component classification is different sec Sec Vational Codes/Standards: IEEE 344 /endor Manuals/Manufacturer/Supplier In Steel Pressure Gauges	[ ]General Service from host component/system, docume Section 6 [reserved] Section 7 [reserved] Ion 8 References (for Functional Class Safety Analysis Report (SAR): HNF-SD-SNF-SAR-002, Rev. 4A formation: Reotemp Instrument (	[ ] Safety Significant (SS) nt basis. [Ication] Drawings: H-1-82165, Rev. 2 HNF-SD-SNF-SEL-002, Rev. 4 CVDF-SSD-003 Corporation, Series PR, Stainless		

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	Section 9 Critical Characteristics			
Critical Characteristics	Acceptance Criteria/Tolerances	Acceptance	ID	Function
Verification Document:: Vendor		Method		
Specifications,				
HNF-SD-SNF-SEL-002, Rev. 4				
1. Item Identification Critical Characteristics (r	ecessary for reasonable assurance that the	Item delivered is	the Item	n specified)
Nameplate Data	Per Vendor Manual	1,IN	X	
Model Number	PR-25-S-1-A-4-P15-D	1,IN	х	
Manufacturer	Reotemp Instruments	1,IN	х	
Process Connection	1/4 Inch NPT with 1/4 Inch by 1/2 Inch Bushing; Bottom Mounted	1,IN	x	
Indicator Range	0-15 Psig	1,IN	х	
Indicator Dial Diameter	Nominal 2.5 Inches	1,iN	x	
2. Physical Critical Characteristics (necessary	for reasonable assurance that the Item deliv	vered is the Item	specifie	d)
Material, Body	Stainless Steel	1,T	x	
Material, Process Connection	Stainless Steel	1,T	X	
3. Performance Critical Characteristics (nece safety function(s))	ssary & sufficient for reasonable assurance	that the Item will	perform	its intended
Pressure Boundary Integrity	165 Psig. Note 3.	1,1		^
Operating Range/Accuracy	0-15 Psig / +/- 1.6% of Full Scale.	1,T		x
Environmental	Note 1			
Seismic Condition B	Note 2	1,T		х
4. Notes and Legend:		Accept	ance Me	thod:
1. The pressure indicator is not su conditions of 40°F and 60% RH suitable for Environmental Cond	bject to degradation at ambient or 115°F and 22% RH and is lition B application.	1. Special Te 1,IN for Ir	st and In spection	spection
2. Maintain pressure boundary dur	ing and after seismic event.W-	1,1 TOF 16SL		
441-P5, Rev. 2, Appendix I, pag	ge I-2, provides a seismic testing	2. Commercial Grade Survey     3. Source Verification     4. Vonder/Item History		ourvey
plan for these components at a	seismic spectra TBD.			,
3. Pressure test at 110% of system Exposure to test pressure may a function. This test is considered	m design pressure of 150 psig. seriously degrade the readout d to be a destructive test.			

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Section 10 Initial Reviews and Approvals
Approvals: D 1/15 A w/ /2
Designated Engineer: Um Klunuff 12/21/98
Design Authority. Culumber 12/21198
QA Engineer: TD Hand 12/21/28

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WORKSHEET 1 DETERMINATION OF FAILURE MECHANISMS/MODES			
	SECTION 1		
Typical Failure Mechanisms	Definition	Applicable to Component under Evaluation	
Fracture	Separation of a solid accompanied by little or no macroscopic plastic deformation.	Yes [X] No [ ]; If Yes, indicate failure Mode. <u>Failure of Transmitter</u> Body or the Process Connection	
Corrosion	The gradual deterioration of a material due to chemical or electrochemical reactions, such as oxidation between the material and its environment.	Yes [] No [X]; If Yes, indicate failure Mode.	
Erosion	Destruction of materials by the abrasive action of moving fluids, usually accelerated by the presence of solid particles carried with the fluid	Yes [] No [X]; If Yes, indicate failure Mode.	
Open Circuit	An electrical circuit that is unintentionally broken so that there is no complete path for current flow.	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Short Circuit	An abnormal connection by which an electrical current is connected to ground, or to some conducting body, resulting in excessive current flow	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Blockage	Clogging of a filtering medium resulting in the inability to perform its purification function or blockare of flow	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Seizure	Binding of a normally moving item through excessive pressure, temperature, friction, jamming.	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Unacceptable Vibration	Mechanical oscillations produced are beyond the defined permissible limits due to unbalancing, poor surport or rotation at critical speeds.	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Loss of Properties	A loss of mechanical and physical properties of a material due to exposure to high temperatures, radiation exposure.	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Excess Strain	Under the action of excessive external forces the material of the part has been deformed or distorted.	Yes [ ] No [X ]; If Yes, indicate failure Mode.	
Mechanical Creep	From prolonged exposure to high temperature and stress, the object will show a slow change in its physical (shape and dimension) and mechanical	Yes [] No [X]; If Yes, indicate failure Mode.	

Ductile Fracture

deformation. SECTION 2 Additional Failure Modes Applicable to the Component Under Evaluation

Fracture characterized by tearing of metal accompanied by appreciable gross plastic

#### 1. Process Connection/Body Break

characteristics.

2.

Yes [] No [X]; If Yes, indicate failure Mode.

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#### CHECKLIST 1 ACCEPTANCE METHOD 1 SDECIAL TEST/INSPECTION VERIFICATION

			STECHE TESTIN	ECTION 1	
Item De	escripti	on: Rec	temp Pressure Indicator	Equip #: SCHe-PI-5*09, 5*28, 5*48, 5*68	
– Moni	itor Th	18 SCH	le Purge Line Pressure	Model #: PR-25-S-1-A-4-P15-D	
System	#:13				
	Man	ufacture	er (Address/Phone):	Supplier (Address/Phone):	
Reoten	np ins	trumer	nts		
P.O. #					
SECTION 2 CRITICAL CHARACTERISTICS TO BE VERIFIED BY METHOD 1.					
Imp	Test	Post- Test			
[X]	[]	[]	1. Nameplate Data		
[X]	[]	[]	2. Model Number		
[X]	[]	[]	3. Manufacturer		
[X]	[]	[]	4. Process Connection	4. Process Connection	
[X]	[]	[]	5. Indicator Range		
[X]	[]	.[_]	6. Indicator Dial Diameter		
[1]	[X]	[]	7. Material, Body		
[1]	[X]	[-]	8. Material, Process Con	nnection	
[]]	[X]	[]	9. Pressure Boundary In	tegrity	
[[]]	[X]	[]	10. Operating Range/Acc	euracy	
[ ] [X] [ ] 11. Seismic Condition B					
SECTION 3 BY INSPECTION					
* See Attachment G of Desk Instruction for Sampling Size					
Characteristic: Nameplate Data					
Sample	Size*:	Ali ite	ems		
Acceptance Criteria: Per Vendor Manual					
Receipt Inspection Plan / Report #:					
Referen Gauge	nces (se s	e Sectio	on 7): Reotemp Instrument	Corporation, Series PR, Stainless Steel Pressure	

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SNF-3925

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Characteristic: Model Number	

Sample Size\*: All Items Acceptance Criteria: PR-25-S-1-A-4-P15-D

Receipt Inspection Plan / Report #:

References (see Section 7):

Characteristic: Manufacturer

Sample Size\*: All Items

Acceptance Criteria: Reotemp Instruments

Receipt Inspection Plan / Report #: \_\_\_\_\_

References (see Section 7):

Characteristic: Process Connection

Sample Size\*: All Items

Acceptance Criteria: 1/4 Inch NPT with 1/4 Inch by 1/2 Inch Bushing; Bottom Mounted

Receipt Inspection Plan / Report #: \_\_\_\_\_

References (see Section 7):

Characteristic: Indicator Range

Sample Size\*: All Items

Acceptance Criteria: 0-15 Psig

Receipt Inspection Plan / Report #:

References (see Section 7):

Characteristic: Indicator Dial Diameter

Sample Size\*: All Items

Acceptance Criteria: Nominal 2.5 Inches

Receipt Inspection Plan / Report #:

References (see Section 7):

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SECTION 4 BY SPECIAL TEST		
* See Attachment G of Desk Instruction for Samplin	g Size	
Test To Be Performed by:	Number of Items to be Tested:	
[ ] Purchaser	Test/Inspection Location:	
[ ] Supplier/Manufacturer**	rest inspection recation.	
[ ] Other		
Characteristic for Test: Material, Body		
Acceptance Criteria: Stainless Steel		
Sample Size*: Normal Sampling Size		
Actual Test Value:		
Test Plan and Report #:	References (see Section 7):	
Characteristic for Test: Material, Process Connec	ation	
Acceptance Criteria: Stainless Steel		
Sample Size*: Normal Sampling Size		
Actual Test Value:		
Test Plan and Report #:	References (see Section 7):	
Characteristic for Test: Pressure Boundary Integr	ity	
Acceptance Criteria: No Leakage at Test Pressu	re of 165 Psig.	
Sample Size*: Destructively Test Only One Ite	m	
Actual Test Value:		
Test Plan and Report #:	References (see Section 7):	
Characteristic for Test: Operating Range/Accurate	су	
Acceptance Criteria: 0-15 Psig / +/- 1.6% of Full Scale.		
Sample Size*: Normal Sampling Size		
Actual Test Value:		
Test Plan and Report #:	References (see Section 7):	
Characteristic for Test: Seismic Condition B		
Acceptance Criteria: Maintain Pressure Boundary After Seismic Event. W-441-P5, Rev. 2, Appendix I, page I-2, provides a seismic Testing plan for these components at a seismic spectra TBD. Sample Size*: Normal Sampling Size		
Actual Test Value:		
Test Plan and Report #:	References (see Section 7):	
**If Supplier/Manufacturer or Other, Refer to CGI Checklist-2 fo	r Support Information	

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INDICATION TO MONITOR THE SCHEPURGE LINE PRESSURE	
AFTER THE PRV	

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	o o	ection	5 Test / H	uotpeds	Summary	Acceptan	ce Methoc	11)			
1. SUM	MARY OF VERIFIED CRIT	ICAI	, CHAR	ACTER	ISTICS,	THEIR	VERIFI	CATION	METHODS, AN	<b>(D RESULTS</b>	
ITEM DESCRIPTION:											
Criti	ical Characteristics							Verifi	cation Results		
Critical Characteristics	Acceptance Criteria/Tolerances	Ð	Function	Method T/IN	Procedure or RR#	Check- list ID	Number Tested	Number Failed	Verifying Organization	Printed Name Signature	Date
Nameplate Data	Per Vendor Manual	X									
Model Number	PR-25-S-1-A-4-P15-D	X									
Manufacturer	Reotemp Instruments	X									
Process Connection	1/4 Inch NPT with 1/4 Inch by 1/2 Inch Bushing: Bottom Mounted	x									
Indicator Range	0-15 Psig	X									
Indicator Dial Diameter	Nominal 2.5 Inches	X									
Material, Body	Stainless Steel	X									
Material, Process Connection	Stainless Steel	х									
Pressure Boundary Integrity	No Leakage At Test Pressure Of 165 Psig.		x								
Operating Range/Accuracy	0-15 Psig / 1.6% of Full Scale		×								
Environmental	NA										
Seismic Condition B	Maintain Pressure Boundary		x								

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AFTER THE PR	RV	

2. DI	SPOSITION OF UNVERIFIED OR F	AILED CRITICAL CHARACTERISTICS	
Critical Char	acteristic	Disposition	
3. SIGNATURE INDICATES ALL COL	CRITICAL CHARACTERISTICS VI MMERCIAL GRADE DEDICATION	ERIFIED SATISFACTORY OR ACCEPTABLY DISPC IS SATISFACTORY AND COMPLETE.	SITIONED AND
		BUYER VERIFICATION	
Testing Agency Approval:	Date	Design Authority:	Date
Testing Agency OA Engineer:	Date	QA Engineer:	Date

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## Title: REOTEMP PRESSURE INDICATOR - LOCAL PRESSURE

## INDICATION TO MONITOR THE SCHe PURGE LINE PRESSURE

#### AFTER THE PRV

Section 6 Contact	s/Phone:Numbers
Name	Phone
Design Authority	( )
QA	( )
QC	( )
Cog - Engineer	( )
CGI Engineer	( )
Procurement Engineer	( )
Other	( )
Section 7 Supporting Docu	mentation for this Checklist
Initial Procurement Documents	For Critical Characteristics
[ ] Drawings:	
[ ] Manuals (specify type & number):	
[ ] Design Calculations	
[ ] Installation Instructions	
[ ] Operation Instructions	
[ ] Calibration Instructions	
[ ] Manufacturer's Recommended Spare Parts List	·
[ ] Other:	
Procurement Documents	
[ ] Certificate of Conformance/Compliance	
[ ] Seismic Qualification Certificate	
[ ] Environmental Qualification Certificate	
[ ] Test Report (s):	
[ ] Inspection Report (s):	
[ ] CMTRs for ASME Pressure Retaining Materials	
[ ] Valve Seat Leakage Report	
[ ] Weld Records	
[ ] Material Traceability Record	
[ ] Other:	