6

ENGINEERING CHANGE NOTICE

	1. ECN 1000220
Page 1 of	Proj. ECN

2. ECN Category (mark one)					
The (mark units)		e, Organization, MSIN,	4. USQ Requ	ired?	5. Date
Supplemental [] Direct Revision [x]	and Telephone No. TA Nuxall, CVD		M Yes 4	X No 2/25/2	2/25/00
Change ECN []	6. Project Title/No.	/Work Order No.	7. Bldg./Sv	s./Fac. No.	8. Approval Designator
Temporary [] Standby []	i	-441		2-K	120
Supersédure []	1	-441 Iclear Fuel	14.	Z-K	وعهد المهرالات
Cancel/Void []		cuum Drying			S Na
	9. Document Numbers (includes sheet n	Changed by this ECN o. and rev.)	10. Related	ECN No(s).	11. Related PO No.
	SNF-392	29, Rev. 3	N,	/A	N/A
12a. Modification Work	12b. Work Package No.	12c. Modification Work (Complete		ed to Original Condi- or Standby ECN only)
[] Yes (fill out Blk.	N/A	N/A		rion (remp.	N/A
[X] No (NA Blks. 12b, 12c, 12d)		Design Authority/Cog. Signature & Da			uthority/Cog. Engineer gnature & Date
13a. Description of Change)	13b. Design Baseline	Document? [] No
The Alsign venif in accordance wi The independent r	lication metho th EN-6-027 evilule appro	ed for SS/SC con- ol. Docament val signature f	nponents ation of covided	is by ind this is ac	lependent review ecomplished by 2 of this BCN
<u> </u>		100			
14a. Justification (mark o	one)				
14a. Justification (mark of Criteria Change [X]	one) Design Improvement	[] Environmental	[]		y Deactivation []
14a. Justification (mark o	one) Design Improvement Facilitate Const				y Deactivation [] Error/Omission []
14a. Justification (mark of Criteria Change [X] As-Found [] 14b. Justification Details Modified due to cha	one) Design Improvement Facilitate Const ange in pressure	[] Environmental [] Const. Error/O			F 7
14a. Justification (mark of Criteria Change [X] As-Found []	ne) Design Improvement Facilitate Const ange in pressure name, MSIN, and no. of	[] Environmental [] Const. Error/O		Design	F 7

EN	IGINEERING C	HANGE NO	TICE				1. ECN (use no.	from pg. 1)
		· · · · · · · · · · · · · · · · · · ·			Page 2 of 2		658221	
16. Design Verification Required	17. Cost Impact ENGIN	₩ IEERING	CO	NSTRUCT	LON	18	. Schedule Impact いん	(days)
X Yes	Additional	Γ1 \$	Additional	Г	1 \$	Im	provement [1
TXT HO LAL	Savings	[] \$	Savings	í	, , 1 \$	1 '	lay [J 1
19. Change Impact R	eview: Indicate	the related do	cuments (other th	an the	engineering d	ocume	nts identified on	Side 1)
	fected by the cha	ange described	in Block 13. Ent	er the	affected docum	ment	number in Block 2	.o.
SDD/DD Functional Design Criteria	[]		c/Stress Analysis		[]		k Calibration Manual	[]
Operating Specification	LJ		/Design Report ce Control Drawing		[]		ith Physics Procedure	[]
Criticality Specification	[]		ce Control Drawing				res Multiple Unit Listin	, I1
Conceptual Design Repor	[]		ition Procedure		[]		: Procedures/Specificat ponent Index	LJ
Equipment Spec.	, []		nance Procedure				IE Coded Item	[]
Const. Spec.	[]		ering Procedure		[]		ne Coged item nan Factor Consideratio	[]
Procurement Spec.	[] []	•	ing Instruction				ian ractor consideration	[]
Vendor Information			ing Procedure		[]		tric Circuit Schedule	[]
OM Manual	į J	•	ional Safety Requireme	ent	[]		6 Procedure	[]
FSAR/SAR	l J r i		rawing	,,,,	[]		ess Control Manual/Pl	[]
Safety Equipment List	l j []		rangement Drawing		[]		ess Flow Chart	an []
Radistion Work Permit	L J		ial Material Specification	วท	[]		hase Requisition	. lj
Environmental Impact Sta	L] itement []		oc. Samp. Schedule	•••	[]		ler File	[]
Environmental Report	LJ		tion Plan		[] []	• • • • •		L J T 1
Environmental Permit	[]	•	ory Adjustment Reques	ıt	[]			[] []
Document Num		zation has bee	isted below will menotified of othe ocument Number/Rev	er affe		s lis		
21. Approvals	-							
	Signature (۱ الم	Date		Sign	ature	•	Date
Design Authority	C. Miska 🗸	10 pm	2/25/00	_	n Agent			
Designated Cog. Eng.		i jk <i>fupu frit</i> a	3/2/00	PE				
Authorized Rep. Mgr		The C	3/3/00	QA				
QA M	R. Ramsgate		3/2/00	Safet				
Safety **	J. Brehm	blignKoum	m <u>3/7/90</u>	Design				
Independent Re	wr. J.J.	frun	3/8/2000	Envir	on.			
i	00	V		Other				
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					<u>TMENT OF ENERG</u> ture or a Conti		lumban that	
					s the Approval			
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RECORD OF REVISION

(1) Document Number

SNF-3929

Page 1

(2) Title

SNF-3929, CONCOA SCHe PRESSURE REGULATOR (SCHe TANK OUTLET)

	Change Control Record		
(2) Pavisian	evision (4) Description of Change - Replace, Add, and Delete Pages		zed for Release
(3) Revision		(5) Cog. Engr.	(6) Cog. Mgr. Date
0	EDT 626278, INITIALLY RELEASED		
1	ECN 653776 REVISION TO MEET SEL REV. 6		
2	ECN 647508, REVISION TO MEET SEL REV. 6a		
3	ECN 654031, PART MODEL NUMBER CHANGE		
RS ⁴	ECN 658221, DELETED MATHISON REGULATOR, ADDED CONCOA REGULATOR, ADDED NEW FORMS	CR Nh 2/25/6	23k/o
		:	

	INFORMATION C	LEARANCE FORM
A. Information Category	B. Document Number SNF-	-3929, Rev. 4
☐ Abstract ☐ Journal Article	C. Title	
Summary Internet	Concoa SCHe Pressu	re Regulators (SCHe Tank Outlet)
☐ Visual Aid ☐ Software		
Full Paper Report		Total Dage 14
☐ Other	D. Internet Address	121 at page 17
E. Required Information	<u></u>	
Is document potentially Classified?	No Yes (MANDATORY)	Does Information Contain the Following: (MANDATORY) a. New or Novel (Patentable) Subject Matter? No Yes
Manager's Signature Require	ed 43-4	If "Yes", Disclosure No.:
7/12/11	ADC	b. Information Received in Confidence, Such as Proprietary and/or Inventions?
ADC Signature Required	── No Yes Classified	No Yes If "Yes", Affix Appropriate Legends/Notices.
2. Internal Review Required?	No	c. Copyrights? No Yes If "Yes", Attach Permission.
If Yes, Document Signatures Below	9 0	d. Trademarks? No Yes If "Yes", Identify in Document.
Counsel		5. Is Information requiring submission to OSTI? ONo OYes
Program		If Yes UC and B&R
3. References in the Information are Appli	ied Technology No OYes	6. Release Level? Public Limited
Export Controlled Information		7. Charge Code 105559
	F. Complete for	r a Journal Article
1. Title of Journal		
	G. Complete for	or a Presentation
Title for Conference or Meeting	. <u> </u>	·
2. Group Sponsoring		
3. Date of Conference		4. City/State
5. Will Information be Published in Proceeding	gs? ONo OYes	6. Will Material be Handed Out?
H. Author/Requestor	n 11	Responsible Manager
Treah A. Nuxall / Mak /	wall 3/8/00	Tarik Choho
(Print and Sign)		(Print and Sign)
I. Reviewers Yes Print		Signature Public Y/N (If N, complete J)
General Counsel		Y/N
Office of External Affairs		Y/N
DOE-RL		Y / N
Other		Y / N
Other		Y / N
J. If Information Includes Sensitive Information	n and is not to be released to th	e Public indicate category below.
Applied Technology Protected CF	RADA	ALO POR A
Personal/Private Export Control		0.0410
Proprietary Procurement	-Sensitive	\$. \\ \(\tau \) &
Business-Sensitive Patentable		
☐ Predecisional ☐ Other (Specit	(y)	
L JOHN		3/10
K. If Additional Comments, Please Attach Sep	erate Sheet	

RELEASE AUTHORIZATION

Document Number:

SNF-3929. REV 4

Document Title:

Concoa SCHe Pressure Regulators (SCHe Tank Outlets)

This document, reviewed in accordance with DOE Order 241.1, "Scientific and Technical Information Management," and 241.1-1, "Guide to the Management of Scientific and Technical Information," does not contain classified or sensitive unclassified information and is:

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Concoa SCHe Pressure Regulators (SCHe Tank Outlet)

Prepared for the U.S. Department of Energy Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford

P.O. Box 1000 Richland, Washington

SNF-3929 Revision 2

Concoa SCHe Pressure Regulators (SCHe Tank Outlet)

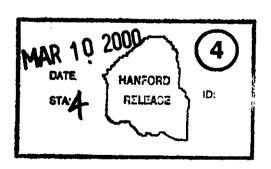
Carl Van Katwijk Fluor Hanford, Inc.

Date Published March 2000

Prepared for the U.S. Department of Energy Assistant Secretary for Environmental Management

Fluor Hanford P.O. Box 1000

Richland, Washington



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Printed in the United States of America

Commercial Grade Item Upgrade Dedication Form			s	NF-3929, Rev. 4	
ECN No. NA CGI No. CGI-SNF-D-13-P5-032 P			age 1 of 8		
Title: Concoa SCHe Pressure R	egulators (SCHe Tank Outlet)			
	er, id iliy ay	幸福的 发展 的第三人称单数			
Man Man NVA				0 "	
Item No.: N/A		Manufacturer: N/A		Supplier	: N/A
Mfg. Part/Model No.: N/A	<u></u>		Supplier's P/N: N/A	l	
		····			
Part Description: N/A					
End Use Description: N/A	•				
				75.5 to 11	
Equipment No.:	Specificat	ion No.:	Manufacturer:		Past P.O. No.;
SCHe-PCV-5*04, 5*23,5*43,	W-441-P		Concoa		N/A
5*63					
Procurement and/or	Equipment Supplier (if different from manufacturer):			Equip. Supplier's Part No.:	
Model No.:	TBD				N/A
Concoa: 412-2000-01-0XA			Control of the Control		
Component Description: Dual S Tank Pressure.	tage Press	ure Regulator to Ma	untain Steady Delive	ry Pressu	re Over wide Kange of He
Is the Item available from a content interface Engineer or BTR)					coordinate with project CGI .3.2, proceed to dedicate Item)
If not available from a qualitation interface Engineer or B		A1 supplier, is it avail	able from an ISO 900	0 supplier?	? (coordinate w/ project CGI
[] YES (go to #2 b	elow, proce	edure step 6.3.2, ded	icate Item) [X] NO	(procedure	e step 6.3.2, dedicate Item)
2. List of Candidate qualified su	ippliers or I	SO 9000 suppliers: N	<i>i</i> A		
3. Recommended Procureme	nt Strategy	coordinate with proje	ct CGI interface Engir	neer or BT	R): N/A
					· · · · · · · · · · · · · · · · · · ·
				magan a ta Nasara	that the second second
CGI Determination Questions:					
#1: Is the Item subject to design	•	•	•		s or activities?
[] YES (the Item is not		• ,	[X] NO (contin	iue)	
#2: Is the Item used in application					
[] NO (the item is not of #3: Is the Item ordered from ma [] NO (the item is not of	nufacturer/	supplier on the basis	[X] YES (contin of specifications set for [X] YES (contin	orth in the	manufacturer's catalog?
[X] All three criteria have be	en satisfie	d. The Item meets t	he definition of com	mercial gr	rade.

Commercial Grade Item Upgrade Dedication Form		SNF-3929, Rev. 4
ECN Np. NA	CGI No. CGI-SNF-D-13-P5-032	Page 2 of 8
Title: Concoa SCHe Pressur	e Regulators (SCHe Tank Outlet)	·

X Item is being purchased from a non-ESL manufacturer su	pplier as CG to be used in a Safety Class application.			
Item is being purchased from a non-ESL manufacturer su	pplier as CG to be used in a Safety Significant application.			
Item was purchased from a non-ESL manufacturer suppli	er as CG to be used in a Safety Class application.			
Item was purchased from a non-ESL manufacturer suppli-				
Other ('like-for-like', similar, substitution, replacement eva				
A. Part/Component Safety Function:				
1. Pressure boundary.				
2. Prevent Thermal Runaway and H2 explosion .				
3. Maintain critical function before and after seismic event.				
B. Part/Component Functional Mode:				
Safety Function #1: [] Active [X] Passive	Active - Mechanical or Electrical change of state is required to occur for the component to perform its safety function			
Safety Function #2: [] Active [X] Passive	Passive – Change of state is not required for the component to perform			
Safety Function #3: [] Active [X] Passive	its safety function			
C. Host Component Safety Function (if applicable): N/A				
1.				
D. Failure Mode(s) and the effects on component or system sa				
1. Valve Body/Process Connection break - loss of boundary	r, air in-leakage.			
2. Diaphragm/Body Failure - loss of regulating function.	ACTIVATE OF THE CONTROL OF THE CONTR			
Environmental Qualification Required:	If yes: Environmental Qualification Requirements			
Yes []	Limiting Environmental Conditions:			
No [X] Environmental Condition B	Required Safety Functions:			
Al-Luck Dhannana Llanard (AIDLI) Design Descriped	Qualification Period:			
Natural Phenomena Hazard (NPH) Design Required:	If yes: NPH Design Requirements Performance Category: PC-3			
Yes [X]	NPH Design Reg'ts.: Seismic Condition A			
No []	Required Safety Functions: Maintain Pressure Boundary, Prevent			
HNF-PRO-97, Rev. 0	Thermal Runaway and H2 Explosion, Maintain Critical Function			
W-441-P5, Rev. 3	Before and After Seismic Event			
The state of the s	co (CS) Safaty Significant (SS)			
X Safety Class (SC) General Servi				
If part/component classification is different from host component	vsystem, accument dasis. N/A			

National Codes/Standards: ASME B31.3

Safety Analysis Report (SAR): HNF- 3553, Rev. 0, Annex B Drawings: H-1-82165, Rev. 2, HNF-SD-SNF-SEL-002, Rev. 7

Vendor Manual/Manufacturer/Supplier Information: Catalog Cut Sheets: Concoa 412 Series Regulator

Commercial Grade Item Upgrade Dedication Form	SNF-3929, Rev. 4
ECN No. NA CGI No. CGI-SNF-D-13-P5-032	Page 3 of 8
Title: Concoa SCHe Pressure Regulators (SCHe Tank Outlet)	

Critical Characteristics	Acceptance Criteria/Tolerances	1	ptance thod	ID	Function
1. Item Identification Critical Characteristic	cs (necessary for reasonable assurance that the Item de	livered i	s the Ite	em spe	ecified)
Nameplate - Manufacturer	Concoa	1,	IN	X	
Regulator Component Number- Procurement and/or Model Number	412-2000-01-0XA , (Per Procurement Package W-441-P5, Rev. 3, Design Data Sheet)	1,	IN	X	_
Relief Valve Manufacturer/Model No. (furnished with regulator)	Concoa / 534-922-50, (ditto above)	1,	IN	X	
Pigtall Manufacturer/Model No. / Connection Size / Length (furnished with regulator)	Concoa / 529-0070-680 / 1/4" MNPT / 2', (ditto above)	1,	IN	X	
Panel Mount Kit Manufacturer/Model No. (furnished with regulator)	Concoa / 550-0002, (ditto above)	1,	IN	X	
Helium Leak Certification (supplied with regulator)	Documentation of leakage < 1 X 10 ⁻⁸ scc/sec, (ditto above)	1, IN		X	
2. Physical Critical Characteristics (for rea	sonable assurance that the Item delivered is the Item sp	ecified)			
Regulator Body Material	Brass (Note 4)	1, IN	, 1, T	Х	Х
Regulator Outlet Connection	1/4" NPT Male	1,	IN	X	
3. Performance Critical Characteristics (fo	r reasonable assurance that the Item will perform its inte	nded s	afety fu	nction((s))
Pressure Boundary	Pressure Test at 4400 psig (No Leakage-No Bubbles) Note 3	1, T			X
Setpoint	Maintain delivery pressure of 25 psig over input pressure range of 100 to 3000 psig	1, T			Х
Concoa Relief Valve Setpoint (adjust to 50 psig as necessary)	50 plus 5 psig minus 5 psig	1	Т		X
Environmental	Note 1				
Seismic Condition A	Note 2	1	, T		X
 40oF and 60% RH or 115oF and 22 Maintain critical function before and provides a seismic testing plan for the has been shaker-table tested should 	aphragms These materials are not subject to degradation % RH and are suitable for condition B Application. after seismic event. W-441-P5, Rev. 2, Appendix I, paga nese components at a seismic spectra TBD. Equipment of not be installed in a plant (Ref. IEEE Standard 344-198 nic test constitutes a destructive test.	e I-2, that	1. Spe Inspect 1 1 2. Con	I, IN for I, T for T I, A for A nmercia	t and Inspection est Analysis
 Pressure test at 110% component in 		ļ	Survey 3. Sou		fication
·	thod may be by either inspection or test.				History
•	sembly of catalog nos. i.e. no gauges, with pigtail, 5-0 ps	si			·
	lator, added new forms and revised note 1 and added	d			

Commercial Grade Item Upgrade Dedication Form		SNF-3929, Rev. 4
ECN No. NA	CGI No. CGI-SNF-D-13-P5-032	Page 4 of 8
Title: Concoa SCHe Pressur	e Regulators (SCHe Tank Outlet)	

Approvals:	
------------	--

Approvals:

Designated Engineer: Com Man 2/25/00

Design Authority: Chun 2/25/00

QA Engineer: 3/2/00

+ 81				
Typical Failure Definition		X = Applicable to Component under Evaluation		
Mechanisms		X?	Indicate Failure Mode	
Fracture	Separation of a solid accompanied by little or no macroscopic plastic deformation.			
Corrosion	The gradual deterioration of a material due to chemical or electrochemical reactions, such as oxidation, between the material and its environment.			
Erosion	Destruction of materials by the abrasive action of moving fluids, usually accelerated by the presence of solid particles carried with the fluid.			
Open Circuit	An electrical circuit that is unintentionally broken so that there is no complete path for current flow.			
Short Circuit	An abnormal connection by which an electrical current is connected to ground, or to some conducting body, resulting in excessive current flow.			
Blockage	Clogging of a filtering medium resulting in the inability to perform its purification function or blockage of flow.			
Seizure	Binding of a normally moving item through excessive pressure, temperature, friction, jamming.			
Unacceptable Vibration	Mechanical oscillations produced are beyond the defined permissible limits due to unbalancing, poor support, or rotation at critical speeds.			
Loss of Properties	A loss of mechanical and physical properties of a material due to exposure to high temperatures, radiation exposure.			
Excess Strain	Under the action of excessive external forces the material of the part has been deformed or distorted.			
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 characteristics.			
Ductile Fracture	Fracture characterized by tearing of metal accompanied by appreciable gross plastic deformation.			

- 1. Regulator Body Break
- 2. Diaphragm Break/Failure

Commercial Grade Item Upgrade Dedication Form	SNF-3929, Rev. 4
ECN No. NA CGI No. CGI-SNF-D-13-P5-032	Page 5 of 8
Title: Concoa SCHe Pressure Regulators (SCHe Tank Outlet)	<u>-</u>

Checklist 1 - Acceptance Method 1 - Special Test/Inspection Verification

Item Description associated ed System #: 13	on: SCHe Tank Pressure Regulator and quipment	Equip #: SCHe-PCV-5*05, 5*23, 5*43, 5*63 Procurement and/or Model #:
	Manufacturer (Address/Phone):	Concoa: 412-2000-01-OXA Supplier (Address/Phone):
Concoa 1502 Harpers Virginta Beac 23454 800-225-0473 Fx: 757-422-3 e-mail@conc	Road h, VA	

Inap	Test	Post- Test	
Х			1. Nameplate - Manufacturer
Х			2. Component Number-Procurement and/or Model Number
Х			3. Body Material (Verification may be by either inspection or test)
Х			4. Outlet Connection
Х			5. Relief Valve Manufacturer/Model No.
Х			6. Pigtail Manufacturer/Model No. / Connection Size / Length
Х			7. Panel Mount Kit Manufacturer/Model No.
Х			8. Helium Leak Certification
	Х		9. Pressure Boundary
	Х		10. Setpoint
	Х		11. Relief Valve Setpoint
	Х		12. Seismic Condition A

Characteristic: Manufacturer	Sample Size*: 100%
Acceptance Criteria: Concoa	
Receipt Inspection Plan / Report #:	
Characteristic: Component Number-Procurement and/or Model Number	Sample Size*: 100%
Acceptance Criteria: 412-2000-01-OXA (Per Procurement Package W-441-P5, Rev. 3, I	Design Data Sheet
Receipt Inspection Plan / Report #:	
Characteristic: Body Material	Sample Size*: 100%
Acceptance Criteria: Brass	
Receipt Inspection Plan / Report #:	
Characteristic: Outlet Connection	Sample Size*: 100%
Acceptance Criteria: 1/4" NPT Male	
Receipt Inspection Plan / Report #:	

Commercial G	rade Item Upgrade Dedication Form	SNF-3929, Rev. 4
ECN No. NA	CGI No. CGI-SNF-D-13-P5-032	Page 6 of 8
Title: Concoa SCHe I	Pressure Regulators (SCHe Tank Outlet)	

Characteristic: Relief Valve Manufacturer/Model No (supplied with regulator)

Acceptance Criteria: Concoa / 534-922-50

Receipt Inspection Plan / Report #:

Characteristic: Pigtail Manufacturer/Model No. / Connection Size / Length (supplied with regulator) Sample Size*: 100%

Acceptance Criteria: Concoa / 529-0070-680 / 1/4" MNPT / 2'

Receipt Inspection Plan / Report #:

Characteristic: Panel Mount Kit Manufacturer/Model No. (supplied with regulator) Sample Size*: 100%

Acceptance Criteria: Concoa / 550-0002

Receipt Inspection Plan / Report #:

Characteristic: Helium Leak Certification (supplied with regulator) Sample Size*: 100%

Acceptance Criteria: < 1 X 10-8 scc/sec Receipt Inspection Plan / Report #:

Characteristic for Test: Pressure Boundary

Samp Size*: [X]Normal[]Reduced[]Tightened

Acceptance Criteria: Pressure Test at 4400 psig (No Leakage-No Bubbles)

Actual Test Value:

Test Plan and Report #:

Characteristic for Test: Setpoint

Samp Size*: [X]Normal(]Reduced(]Tightened

Acceptance Criteria: Maintain delivery pressure of 25 psig over input pressure range of 100 to 3600 psig. No Pressure increase above setpoint (with zero flow) for 96 hours.

Actual Test Value:

Test Plan and Report #:

Characteristic for Test: Relief Valve Setpoint

Samp Size*: [X]Normal[]Reduced[]Tightened

Acceptance Criteria: 50 psig plus (+) 5 psig minus (-) 5 psig

Actual Test Value:

Test Plan and Report #:

Characteristic for Test: Seismic Condition A

Samp Size*: []Normal[]Reduced[]Tightened

Acceptance Criteria: Maintain critical function before and after seismic event

Sample Size*: W-441-P5, Rev. 2, Appendix I, page I-2, provides the seismic testing plan for these components. The seismic testing is conducted for one complete panel with the components assembled on the panel and tested as a complete assembly. The test seismically qualifies the entire assembly, including mountings, piping, and components. The number of components tested is dictated by the panel assembly design.

Actual Test Value:

Test Plan and Report #:

^{**}If Supplier/Manufacturer or Other, Refer to CGI Checklist-2 for Support Information

Commercial Grade Item Upgrade Dedication Form	SNF-3929, Rev. 4
ECN No. NA CGI No. CGI-SNF-D-13-P5-032	Page 7 of 8
Title: Concoa SCHe Pressure Regulators (SCHe Tank Outlet)	

		.]									
HELL PLOODING D	1. Summary of	of Verific	d Critical	Verified Critical Characteristics, Their Verification Methods, and Results	stics, Their	Verificat	ion Metho	ds, and Ro	sults		
HEM DESCRIPTION: Regulator											
	Critical Characteristics							Veri	Verification Results		
Unical characteristics	Acceptance Criteria/Tolerances	٥	Function	Method	Procedur e or RR#	Check	Number	Number	Verifying Organization	Printed Name Signature	Date
Nameplate - Manufacturer	Concoa	×		- II		CITISI		-			
Component Number- Procurement and/or Model Number	412-2000-01-0XA, (Per Procurement Package W-441-P5, Rev. 3. Desion Data Sheet)	×		., N							
Body Material	Brass	×		2							
Outlet Connection	1/4" NPT Male	×		J.							
Relief Valve Mfr / Model No.	Concoa / 534-922-50	×		-, -							
Pigtail Mfr/Modei No. / Connection Size / Length	Concoa / 529-0070-680 / 1/4" MNPT / 2', (ditto above)	×		≥							
Panel Mount Kit Man./Model No.	Concoa / 550-0002, (ditto above)										
Pressure Boundary	Pressure Test at 4400 psig (No Leakage-No Bubbles)		×	1,T							
Setpoint	Maintain delivery pressure of 25 psig over input pressure range of 100 to 3600 psig		×	F.,							
Concoa Relief Valve Setpoint (adjust to 50 psig as necessary)	50 plus 5 psig minus 5 psig	_	×	1,T	_		-				
Seismic Condition A	Maintain Critical Function Before and After Seismic Event.		×	1, T							
	2.		ition of U	Disposition of Unverified or Failed Critical Characteristics	Failed Cri	tical Char	acteristics				
	Critical Characteristic								Disposition		
3. Signature Inc	3. Signature Indicates All Critical Characteristics Verified Satisfactory or Acceptably Dispositioned and Commercial Grade Dedication is Satisfactory and Complete.	fied Sati	sfactory	or Accepta	oly Disposit	boned an	d Commer	cial Grade	Dedication is Satisfa	ctory and Complete.	
									BUYER VERIFICATION		
esting Agency Approval:	Date	<u>g</u>			Design Authority:	thority:				Date	
Testing Agency QA Engineer:	Date	<u>a</u>			OA Engineer:	Ā				Date	
					VI-ANT-TIME						-

Commercial Grade Item Upgrade Dedication Form	SNF-3929, Rev. 4
ECN No. NA CGI No. CGI-SNF-D-13-P5-032	Page 8 of 8
Title: Concoa SCHe Pressure Regulators (SCHe Tank Outlet)	-

1100	: Concoa SCHe Pressure Regula	tors (Some Falls Outle	<u>y</u>	<u></u>	
1.08					
	Title	Na	me		Phone
De	sign Authority				
QA					
QC					
Co	g - Engineer		· · · · · · · · · · · · · · · · · · ·		
CG	Engineer	Larry	Price		372-8770
Pro	ocurement Engineer				
Oth	1919			in a mende Merki er ullen i i e d'	
	Initial Processors A.P.	LL 2.7CLISTOCAPHONIPHON 24 D. S.	វាល ញុំស្មែនភ	7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Ohannia latina
_	Initial Procurement Do	ocuments	-	For Critical	Characteristics
	Drawings:				
	Manuals (specify type & number)	:			
	Design Calculations				· .
	Installation Instructions				
	Operation Instructions				
	Calibration Instructions Manufacturer's Recommended Spare Parts List				
		·			
X	Other: : Catalog Cut Sheets: Co Regulator	oncoa 412 Series	All		
	Procurement Docu	ments			
	Certificate of Conformance/Comp	liance			
	Seismic Qualification Certificate				
	Environmental Qualification Certif	ficate			
	Test Report (s):				
	Inspection Report (s):				
	CMTRs for ASME Pressure Retain	ining Materials		,	
	Valve Seat Leakage Report				
	Weld Records				
	Material Traceability Record				
	Other:				

DISTRIBUTION SHEET To From Page 1 of 1 Distribution T. Nuxall, SNF-CVD Date 2/25/00 Project Title/Work Order EDT No. N/A W-441, SNF-3929, Rev. 4 ECN No. 658221 Attach./ Text **EDT/ECN** MSIN With All Appendix Name Text Only Only Attach. Only D. Whitehurst R3-86 G. Signh R3-86 х A. Artzer (CVD Library) R3~86 x R. Ramsgate R3-86 J. Brehm R3-26 Х P. Beaudet S8~07 х P. Morrell (AVS) G1-50 Х M. Evarts (AI) N1-29 Х L. Price R3-26 х SNF Startup B2-64 x R3-11 SNF Project Files х SNF Satelite Library X3~25 x C. Van Katwijk R3-47 х D. Whitworth R3-11 Х T. Nuxall R3-86 х c. mislca 23-86 X