2. To: (Receiving Organization) Distribution		3. From: (Originating Organization) SNF Project W-441		4. Related EDT No.: N/A				
5. Proj./Prog./Dept./Div.: SNF Project W-441		6. Design Authority/ Design Agent/Cog. Engr.: C. Van Katwijk		7. Purchase Order No.: N/A				
8. Originator Remarks: N/A				9. Equip./Component No.: N/A				
				10. System/Bldg./Facility: SNF CVDF				
11. Receiver Remarks: N/A 11A. Design Baseline Document? ☐ Yes ☒ No				12. Major Assm. Dwg. No.: N/A				
				13. Permit/Permit Application No.: N/A				
				14. Required Response Date: N/A				
15. DATA TRANSMITTED								
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	SNF-4886		0	SCHe Helium Supply	SQ	2	1	N/A
16. KEY								
Approval Designator (F)		Reason for Transmittal (G)			Disposition (H) & (I)			
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)		1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)			1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged			
17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)								
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN
2	1	Designated Engineer	C. Van Katwijk	7/26/99				See Distribution
2	1	Design Authority	C. Miska	7/26/99				
2	1	Safety	J. Brehm	7/28/99				
2	1	QA	T. Hays	7/27/99				
18.		19.		20.		21. DOE APPROVAL (if required)		
T. Nuxall Signature of EDT Originator		T. Choho Authorized Representative for Receiving Organization		C. Van Katwijk Design Authority/ Cognizant Manager		Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments		

SCHe HELIUM SUPPLY

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

EDT/ECN: 626323	UC: 620
Org Code: 2G300	Charge Code: 105559/A000
B&R Code: 39EW40400	Total Pages: 4

Key Words: SCHe Helium Supply

Abstract: SCHe Helium Supply

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Release Approval

Chris Braden

7/30/99

JUL 30 1999	
DATE:	HANFORD RELEASE
STA:	
# 4	ID: (15)
Date	Release Stamp

Approved for Public Release

Commercial Grade Item Upgrade Dedication Form

SNF-4886, Rev. 0

ECN No. **NA** CGI No. **CGI-SNF-D-13-2-P5-051**

Page 1 of 3

Title: **SCHe HELIUM SUPPLY**

Section 1 Part Information

Item No.: NA	Manufacturer:	Supplier:
Mfg. Part/Model No.:	Supplier's P/N:	
Part Description:		
End Use Description:		

Section 2a Component Information

Equipment No.: This CGI addresses the helium gas to be charged into the SCHe bottles, SCHe TK-5*01, 5*02, 5*03 and 5*04. Equipment number is not applicable for the gas.	Specification No.: W-441-P5, Rev. 2	Manufacturer: NA	Past P.O. No.:
Manufacturer's Part/Model No.: NA	Gas Supplier (if different from manufacturer): LATER		Equip. Supplier's Part No.: NA

Component Description: **The SCHe bottles are dedicated for safety use by CGI-SNF-D-13-2-P5-050. That CGI does not include the gas. The gas is important to the emergency MCO purge. The gas purity and pressure must be controlled items to satisfy the assumptions made in the safety analyses.**

Section 2b Commercial Availability of the Item

- Is the Item available from a catalogue of a qualified NQA1 supplier? (coordinate with project CGI interface Engineer or BTR)
 - ☒ YES (go to #2 below)
 - ☐ NO (go to procedure step 6.3.2, proceed to dedicate Item.)

If not available from a qualified NQA1 supplier, is it available from an ISO 9000 supplier? (coordinate with project CGI interface Engineer or BTR)

 - ☐ YES (go to #2 below, then go to procedure step 6.3.2, proceed to dedicate Item)
 - ☐ NO (go to procedure step 6.3.2, proceed to dedicate Item.)
- List of Candidate qualified suppliers or ISO 9000 suppliers

company name & type	contact name	phone
LATER		

Commercial Grade Item Upgrade Dedication Form

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ECN No. **NA**CGI No. **CGI-SNF-D-13-2-P5-051**

Page 2 of 3

Title: **SCHe HELIUM SUPPLY**

3. Recommended Procurement Strategy (coordinate with project CGI interface Engineer or BTR):

The SCHe helium bottles dedicated for CVDF use, will be charged with helium gas by a Qualified Supplier. The Qualified Supplier will be provided with the bottles procured and dedicated for CVDF exclusive use. The bottle documentation will include individual bottle serial numbers. The Qualified Supplier will maintain bottle inventory control and tracking when shipping charged bottles and receiving bottles to be charged. This control will ensure that only the bottles dedicated for CVDF use will be charged and shipped to CVDF and likewise the dedicated bottles will not be used at other Hanford locations.

The critical characteristics for the SCHe helium supply is purity (99.997%), pressure (nominal 2490 psig) and bottle serial number. Documentation provided by the Qualified Supplier with the bottle shipments will include those characteristics; serial number, pressure, and helium purity. This documentation will provide reasonable assurance that the bottle is from the controlled lot and contains the specified contents.

Section 2c CGI Determination

1. Question #1: Is the Item subject to design or specification requirements that are unique to nuclear facilities or activities?
☒ YES (the Item is not commercial grade) **The requirements for bottle inventory control and for critical characteristics with exclusive application to CVDF make this item unique to this nuclear facility.**
☐ NO (continue)
2. Question #2: Is the Item used in applications other than nuclear facilities or activities?
☐ NO (the item is not commercial grade)
☒ YES (continue)
3. Question #3: Is the Item ordered from manufacturer/supplier on the basis or specifications set forth in the published product information (e.g., manufacturer's catalog)?
☐ NO (the Item is not commercial grade)
☒ YES (continue)
- ☐ All three criteria have been satisfied. The Item meets the definition of commercial grade.
- ☒ It is determined that the item is not commercial grade. The item is currently specified to be procured from a Qualified Supplier and commercial grade dedication is not required.

Section 2d Reason for Dedication

The above described Item is being Dedicated for use in the application cited for the following reason(s):

Section 3 Failure Effects Evaluation

Section 4 Environmental & Natural Phenomena Hazard Design

Section 5 Component Functional Classification

Section 6 [reserved]

Section 7 [reserved]

Section 8 References (for Functional Classification)

Commercial Grade Item Upgrade Dedication Form

SNF-4886, Rev. D

ECN No. **NA**

CGI No. **CGI-SNF-D-13-2-P5-051**

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Title: **SCHe HELIUM SUPPLY**

Section 9 Critical Characteristics

Notes and Legend: **The helium gas is procured from a Qualified Supplier and does not require CGI procurement dedication.**

Acceptance Method:

1. Special Test and Inspection
1, IN for Inspection
1, T for Test
2. Commercial Grade Survey
3. Source Verification
4. Vendor/Item History

Section 10 Initial Review and Approval

Approvals:

Designated Engineer: *[Signature]* 7/26/99

Design Authority: *[Signature]* 7/26/99

QA Engineer: *[Signature]* 7/27/99

[illegible]