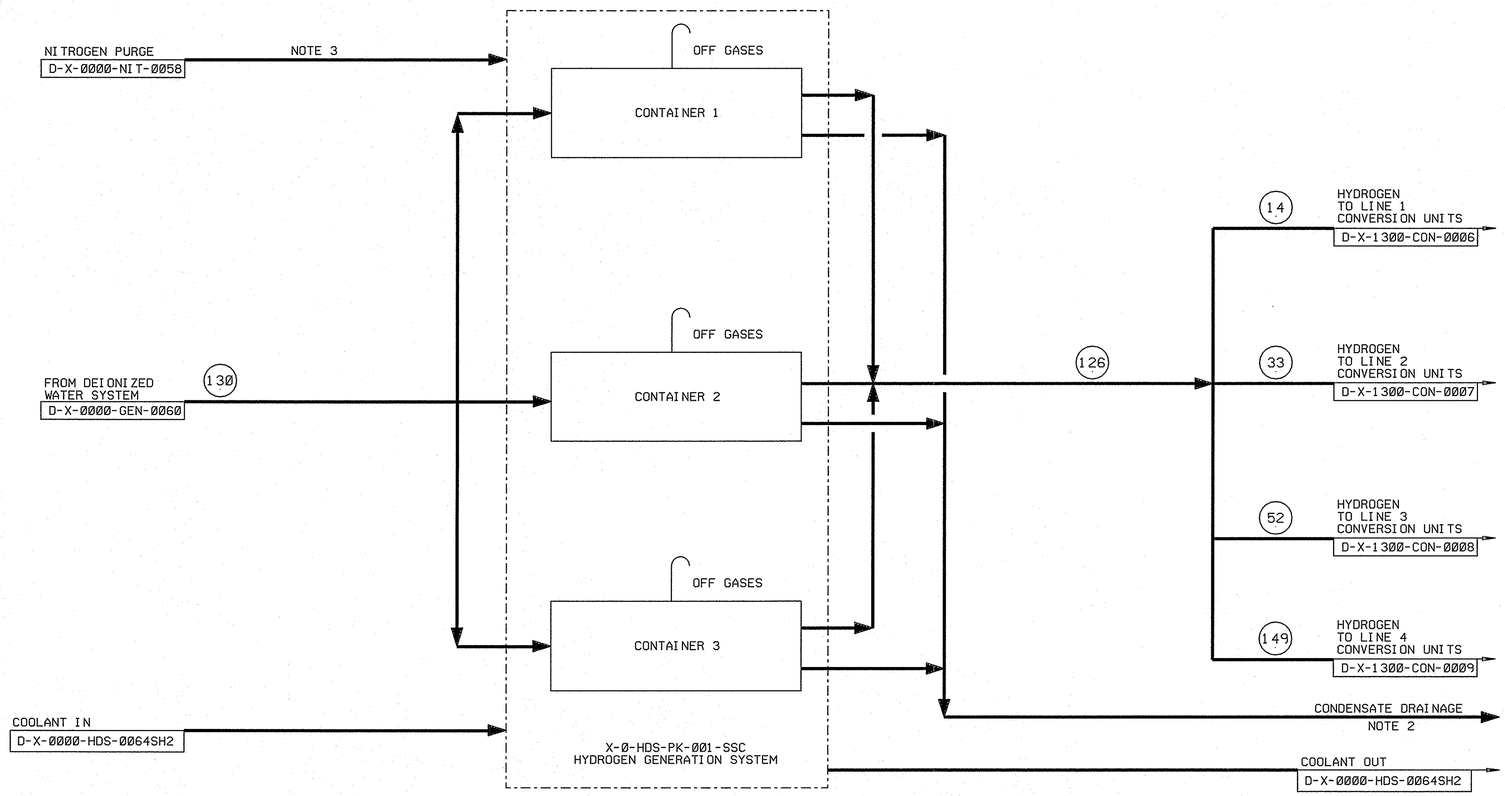
NOTES

1. FOR MECHANICAL SYMBOLS AND GENERAL NOTES SEE DRAWINGS GEN-0002-M, GEN-0003-M AND GEN-0004-M.
2. APPROX. 21-45 LITERS/DAY.
3. NOT REQUIRED FOR NORMAL OPERATION, ONLY BEFORE START-UP OR WHEN PRESSURE DROPS BELOW 0.15 BARG.



STREAM (VALUES IN THIS TABLE HAVE BEEN ROUNDED TO A MAXIMUM OF FOUR SIGNIFICANT DIGITS.)	HYDROGEN SUPPLY					DI WATER
	LINE 1	LINE 2	LINE 3	LINE 4 (FUTURE)	TOTAL	SUPPLY
NUMBER	14	33	52	149	126	130
PHYSICAL STATE	GAS	GAS	GAS		GAS	LIQ
DENSITY (g/cc)	0.0003	0.0003	0.0003		0.0003	1.0
TEMPERATURE (°C)	20	20	20		20	20
PRESSURE (bar, abs)	2.75	2.75	2.75		2.75	6.9
GAS FLOW (NCMH)	37.9	37.9	37.9		151.4	-
LIQUID FLOW (L/HR)						10.2
(kg/hr)	3.4	3.4	3.4		10.2	112.5

Rev No	Revision	Date	Dwn	Chkd	Approved Chief Engr	Rev No	Revision	Date	Dwn	Chkd	Approved Chief Engr	Rev No	Revision	Date	Dwn	Chkd	Approved Chief Engr

Drawing Control				
Purpose	Approved By	Date	Released By	Date
For Information				
For Comment				
For Bid				
For Fabrication				
For Construction			for VRZA	7/31/06

STATE OF OHIO
RAYMOND A. PODESTA JR.
E-46285
REGISTERED
PROFESSIONAL ENGINEER

Engineering Review		
Disc	Engr	Date
Mech	JLP	7/31/06
Elec	-	-
Civil	-	-
Arch	-	-
Instr	-	-
Nuc	-	-
Process	-	-
Mat'ld	-	-

Drawn	Designed	Checked
GK	GK	JLP

Lead Engineer: Date 7/31/06
Approved by: for VRZA
Engineering/Design Mgr.
Approved for Construction by:
Chief Mechanical Engineer

U. S. DEPARTMENT OF ENERGY
PORTSMOUTH PADUCAH PROJECT OFFICE

UDS URANIUM DISPOSITION SERVICES, LLC

BURNS AND ROE ENTERPRISES, INC.
Engineers and Constructors - Oradell, NJ
Ohio Certificate of Authorization No. 04-0247

BURNS AND ROE JOB NO.: 2562
DOE CONTRACT NO.: DE-AC05-020R22717

PROJECT NAME: DEPLETED URANIUM HEXAFLUORIDE CONVERSION PROJECT

TITLE: PORTSMOUTH DUF_6 CONVERSION PROJECT
PROCESS FLOW DIAGRAM
HYDROGEN SUPPLY SYSTEM
SHEET 1 OF 2

EDCS CAD FILENAME	WBS IDENTIFICATION	BUILDING	PLANT	CLASS
DC0000HDS006401M.DGN	1.02.02.01.03.07		PORT	

SCALE	TYPE	DRAWING NUMBER	REV
NONE	DD	D-X-0000 -HDS -0064-01-M	0