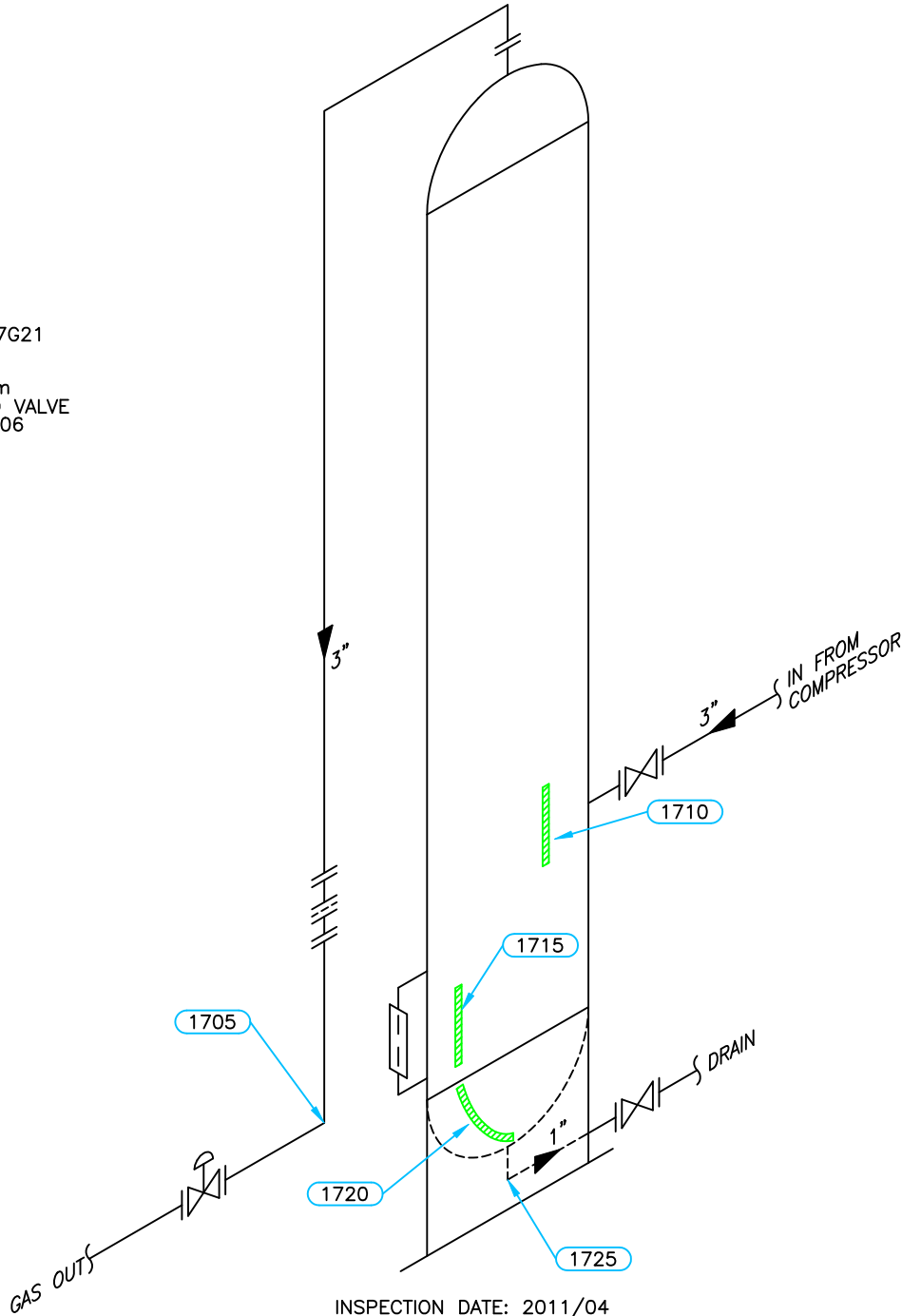


PSV DATA

MFG: MERCER
 MODEL: 8143251-P27G21
 SERIAL: A94239
 SET PRES: 9929 kPa
 CAPACITY: 11527 scfm
 SERVICED BY: UNIFIED VALVE
 SERVICE DATE: 2008/06
 SIZE: 2" x 2"
 CODE STAMP: UV
 BLOCK VALVE: NO
 CRN: OG2606.5C
 LOCATION: SHELL
 TAG: 5589F



INSPECTION DATE: 2011/04
 LONG TERM CORROSION RATE BASED ON GREATEST THICKNESS LOSS
 (HEAD) 0.157mm PER YEAR. RETIREMENT DATE TO "T"min IS YEAR 2049.

Equip. No. _____ Prov. Reg. No. **416326** C.R.N. **K-8584.213** Serial No. **PE 4811** Yr. Inst. _____
 Code/Div. **ASME VIII, Div 1** Size: **20in x 336in** Manufacturer: **PENFABCO LTD.** Yr. Blt. **1997**
 C. Stamp: **U** Service: **SOUR** PWHT: **HT** Radiography: **RT-1** Insulated: **NO**

Design & Materials Data

HEAD:
 Top Mat'l. **SA 516 70N** Top Nom. **27.2mm** Top C.A. **3.2mm**
 Btm. Mat'l. _____ Btm. Nom. _____ Btm. C.A. _____
CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
SHELL
 Material: **SA 516 70N** Nominal: **25.4mm** C.A. **3.2mm**
 MAWP Shell Side: **9929 kPa** @ Temp. **38°C**
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	INGA BATTERY LSD 06-19-88-23 W6M	
ITEM	GLYCOL CONTACTOR	
BY: CB	DATE: 07/2005	DWG.# 1-17

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: GLYCOL CONTACTOR
CRN#: K-8584.213
PROV REG: A 416326
TESTED ON STREAM

FACILITY: INGA BATTERY
SERVICE: SWEET
LOCATION: 06-19-88-23 W6M
RTD JOB #: 10.110194
REFER TO DRAWING: 1-17

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1710												
Description: LOWER SHELL												
	2005	7	2008	3	2011	4						
Min. Thick.	25.9		25.9		25.9		22.20	3.2	25.40	0	0	
Average:	26		26		26					0	0	
Analysis:												
1715												
Description: LOWER SHELL												
	2005	7	2008	3	2011	4						
Min. Thick.	25.5		25.5		25.5		22.20	3.2	25.40	0	0	
Average:	25.8		25.8		25.8					0	0	
Analysis:												
1720												
Description: BOTTOM HEAD												
	2005	7	2008	3	2011	4						
Min. Thick.	25		25		25		24.00	3.2	27.20	0	0	
Average:	25.2		25.2		25.2					0	0	2049
Analysis:												
1725												
Description: 1" 90° NOZZLE												
	2005	7	2008	3	2011	4						
Min. Thick.	8.6		8.6		8.6		5.90	3.2	9.10	0	0	
Average:	8.8		8.8		8.8					0	0	2207
Analysis:												

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: GLYCOL CONTACTOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: INGA BATTERY
SERVICE: SWEET
LOCATION: 06-19-88-23 W6M
RTD JOB #: 10.110194
REFER TO DRAWING: 1-17

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1705												
Description:	3" 90° ELBOW											
	2005	7	2008	3	2011	4						
Min. Thick.	7.6		7.6		7.6		6.65		.9	7.60	0	0
Average:	8.3		8.3		8.3						0	0
Analysis:	2005/07 MIN SCAN AT MID APEX.											