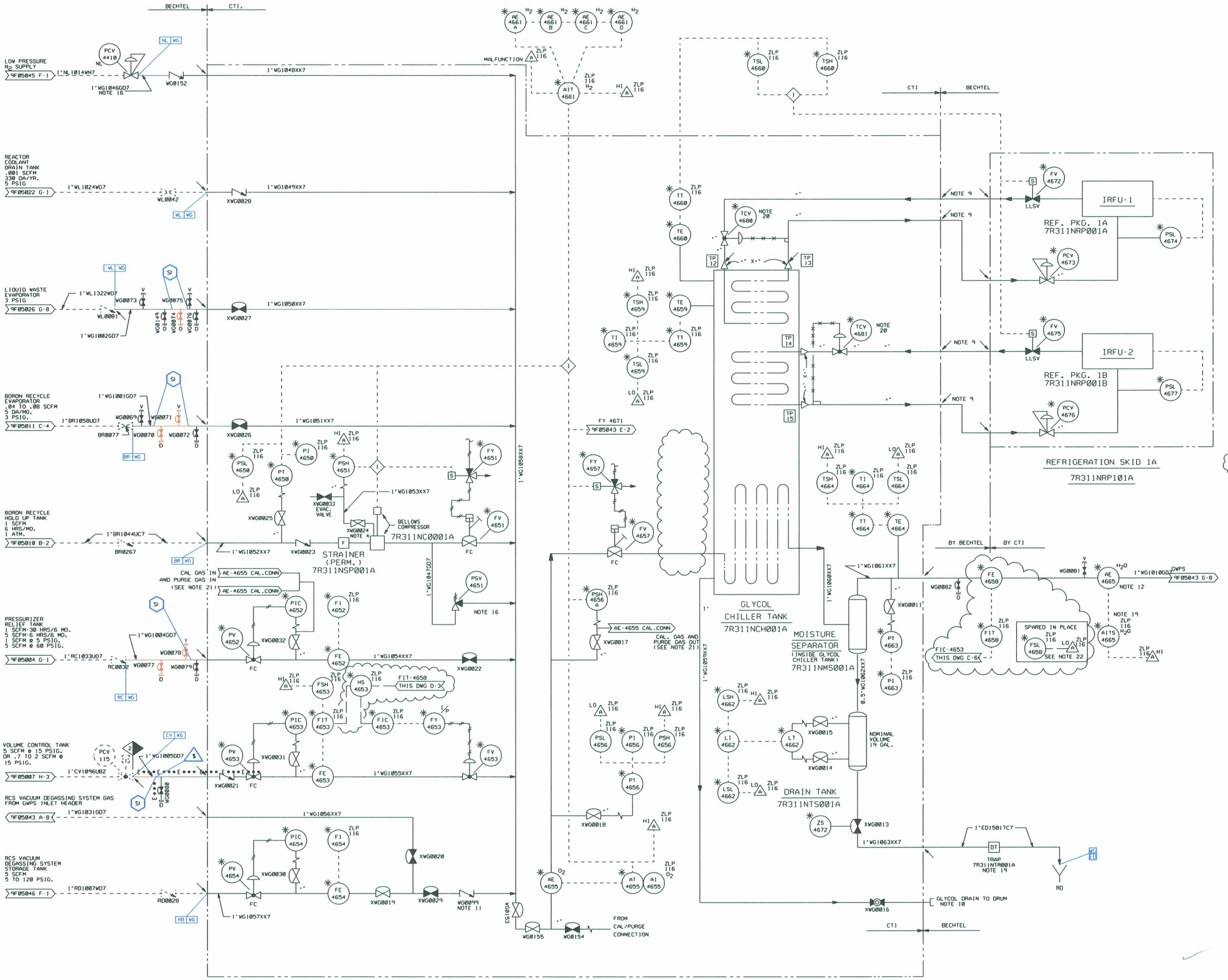

NOTES:

1. ALL PIPING TO BE 1 INCH I.P.S. SCH. 40S STAINLESS STEEL UNLESS OTHERWISE SPECIFIED.
2. INSTRUMENT ROOT CONNECTIONS ARE • INCH NOMINAL DIAMETER.
3. ALL INTERCONNECTING PIPING, EXCEPT THAT SHOWN WITHIN THE INLET HEADER-WATER REMOVAL SKID, TO BE SUPPLIED BY BECHTEL.
4. PRESSURE SWITCH TIED TO LEAK OFF TAP ON COMPRESSOR HOUSING TO DETECT FAILURE OF PRIMARY BELLOWS.
5. ALL OTHER INLETS TO BE ISOLATED WHEN EITHER THE PRESSURIZER RELIEF TANK VENT, THE RCS VACUUM DEGASSING SYSTEM TANK VENT OR, THE VOLUME CONTROL TANK VENT DURING SHUTDOWN OPERATION ARE BEING FED.
6. DELETED
7. ALL COMPONENTS ON THIS DRAWING ARE NON-NUCLEAR SAFETY AND NON-SEISMIC CATEGORY 1, NON-SEISMIC CATEGORY 1 COMPONENTS INSTALLED INSIDE A SEISMIC CATEGORY 1 BUILDING OR IN THE VICINITY OF A SEISMIC CATEGORY 1 COMPONENT, SHALL BE EVALUATED ACCORDING TO THE CRITERIA IN REFERENCE 4.
8. DELETED
9. TUBING BETWEEN SKIDS SHALL BE REFRIGERATION TYPE TUBING, EITHER TYPE 'K' OR TYPE 'L' COPPER TUBING IS ACCEPTABLE. TUBING FITTINGS TO BE SOLDER TYPE FITTINGS EXCEPT CONNECTIONS AT GLYCOL CHILLER TANK WHERE VENDER SUPPLIED COMPRESSION FITTINGS AND THE CONNECTIONS TO VALVES TCV-4680 AND TCV-4681, WHERE FLARED FITTINGS ARE REQUIRED.
10. QUICK DISCONNECT FITTING FOR DRAINAGE WITH HOSE.
11. CHECK VALVE TO BE FIELD-INSTALLED IN VENDOR'S PIPING.
12. VENDOR-SUPPLIED INSTRUMENT TO BE INSTALLED IN BECHTEL PIPING.
13. ALL INSTRUMENT TAG NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY THE UNIT NUMBER 1 UNLESS NOTED OTHERWISE. SEE GENERAL NOTE D ON DRAWING 9A310F00002.
14. DELETED.
15. DELETED.
16. PSV 4651, PCV 4410, AND ASSOCIATED 1-INCH LINES WILL BE SUPPLIED BY BECHTEL AND FIELD INSTALLED.
17. THE SYSTEM DESIGNATOR OF ALL INSTRUMENTS ON THIS P&ID IS WG.
18. THE SEPARATION GROUP OF ALL INSTRUMENTS ON THIS P&ID IS N.
19. ABBREVIATIONS INSIDE INSTRUMENT BUBBLES ARE RETAINED TO BE CONSISTENT WITH VENDOR DOCUMENTS.
20. VALVES TCV-4680 AND TCV-4681 ARE SUPPLIED WITH THE REFRIGERATION SKID FOR INSTALLATION BY THE FIELD. THESE VALVES AND THIER TEMPERATURE BULBS ARE TO BE INSTALLED AS CLOSE TO THE GLYCOL CHILLER TANK AS IS PRACTICAL.
21. TEST CONNECTIONS PROVIDED ON CTI NUCLEAR SKID FOR PERIODIC CALIBRATION OF OXYGEN MONITOR PROBE AE-4655. SEE DRAWING 14926-6464-00018XX FOR TEST CONNECTION DETAILS.
22. FSL-4658 HAS BEEN SPARED IN PLACE. USE FE-4671, FIT-4671, FSH-4671 AND FSL-4671 ON 7R319F05043 FOR FLOW ALARMS TO VENT HEADER.

REFERENCES:

1. DRAWINGS 9A310F00001 AND 9A310F00002.
2. GASEOUS WASTE PROCESSING SYSTEM P&ID, DRAWING 7R319F05043.
3. CTI NUCLEAR DRAWING 7R03201 (BECHTEL DRAWING 6464-00001-XX).
4. DESIGN CRITERIA, SYSTEMS INTERACTION, SEISMIC II/I, TPNS NO. 7A369NO1003.

DRAWING APPLICABILITY NOTES:

1. DELETED
2. DELETED.
3. DELETED.
4. THIS DRAWING IS SHEET 1 OF 2 OF THE GWPS P&ID SET. SEE REFERENCE 2 FOR SHEET 2.

2290

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WG-7R319F05055#1	0

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
22		INCORP. DCN 0700418.	JSH				
21	11-30-05	INCORP. DCN 0501315.	JSH	ON FILE			
20	11-10-04	INCORP. DCN'S 0302033 AND 0401487.	VJM	ON FILE			
19	10-6-04	INCORP. DCN 0400828.	JGL	ON FILE			
18	12-2-99	INCORP. DCN 9901649.	VJM	ON FILE			
0-17	9-30-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ISSUED DCN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM GASEOUS WASTE PROCESSING SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA204.221	D070928		NONE	7R319F05055#1		22