



File 3400-W005-286
19 November 2002

Mr. B.J. Jardine
Director, Regulatory Affairs
BC Pipeline & Field Services Division
Duke Energy Gas Transmission Canada
1333 West Georgia Street
Vancouver, British Columbia
V6E 3K9
Facsimile (604) 691-5884

Dear Mr. Jardine:

**Westcoast Energy Inc., carrying on business as Duke Energy Gas Transmission Canada
(Westcoast) - Order XG-W005-22-2002, Fort Nelson Plant Redesign
Westcoast application for Leave to Open the Fort Nelson Plant Redesign Project**

The National Energy Board, having considered the above-referenced application, has issued Order GPSO-W005-03-2002 granting Leave to Open the Fort Nelson Plant Redesign project. A copy of the Order is attached.

Yours truly,

A handwritten signature in black ink, appearing to read "Michel L. Mantha".

Michel L. Mantha
Secretary

cc. Mr. Larry Hewitt, Duke Energy Gas Transmission Canada, facsimile (403) 699-1998



ORDER GPSO-W005-03-2002

IN THE MATTER OF the *National Energy Board Act*
(the Act) and the regulations made thereunder, and

IN THE MATTER OF an application by Westcoast
Energy Inc., carrying on business as Duke Energy Gas
Transmission Canada (Westcoast) for an Order pursuant to
section 47 of the Act filed with the National Energy Board
(the Board) under File 3400-W005-286.

BEFORE the Board on 19 November 2002.

WHEREAS Westcoast has filed an application on 15 November 2002 and its supporting
documentation for Leave to Open the Fort Nelson Plant Redesign project;

AND WHEREAS the Board has issued Order XG-W005-22-2002, the effect of which was to permit
the construction and operation of the Fort Nelson Redesign project;

AND WHEREAS the Board has examined the application and supporting documentation, and is
satisfied that the Fort Nelson Plant Redesign project may be safely opened for the transmission of
commodities as outlined in the attached Table 1;

IT IS ORDERED THAT Westcoast is granted Leave to Open the Fort Nelson Redesign Plant project
for the transmission of the various commodities at the requested maximum operating pressures, both
as identified in the attached Table 1.

NATIONAL ENERGY BOARD

A handwritten signature in black ink, appearing to read 'Michel L. Mantha'.

Michel L. Mantha
Secretary

Attachment (Table 1)

Table 1

*Note: Lines subjected to 10% NDE as approved by Order AO-I-XG-W005-22-2002.

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
<i>Binder Number 1 - Hydrostatic Test Reports</i>				
VFNGP-LA-04	1054	4.50" (114.3 mm)	Lean Amine	260 psig (1793 kPa)
VFNGP-LA-04A	1054	4.50" (114.3 mm)	Lean Amine	260 psig (1793 kPa)
VFNGP-RA-02	1102	10.75" (273.05 mm)	Rich Amine	260 psig (1793 kPa)
*VFNGP-TW-01	1801	2.375" (60.325 mm)	Treated Water	230 psig (1586 kPa)
*VFNGP-TW-06	1806	2.375" (60.325 mm)	Treated Water	230 psig (1586 kPa)
<i>Binder Number 2 - Hydrostatic Test Reports</i>				
VFNGP-AD-24	1424	2.375" (60.325 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-F-07	1307	14.0" (355.6 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-PG-01	1001	10.75" (273.05 mm)	Process Gas	1415 psig (9756 kPa)
VFNGP-PG-01A	1001	10.75" (273.05 mm)	Process Gas	1415 psig (9756 kPa)
VFNGP-RA-03	1103	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-05	1105	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-05A	1105	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-08	1108	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-08A	1108	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
<i>Revisions to Binder Number 1 & 2 - Hydrostatic Test Reports</i>				
VFNGP-BFW-01	1751	2.375"	Boiler Feed	1315 psig

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
		(60.325 mm)	Water	(9067 kPa)
VFNGP-PG-09A	1009	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-AD-26	1425	2.375" (60.325 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-F-07A	1713	2.375" (60.325 mm)	Flare System (HC Gas)	275 psig (1896 kPa)
VFNGP-F-07A	1307	14.0" (355.6 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-FG-13	1713	2.375" (60.325 mm)	Fuel Gas	275 psig (1896 kPa)
VFNGP-FG-13A	1713	2.375" (60.325 mm)	Fuel Gas	275 psig (1896 kPa)
<i>Binder Number 3 - Hydrostatic Test Reports</i>				
VFNGP-LA-01	1051	10.75" (273.05 mm)	Lean Amine	1350 psig (9308 kPa)
VFNGP-PG-01C	1001	10.75" (273.05 mm)	Process Gas	1415 psig (9756 kPa)
VFNGP-HS-01A	1151	3.5" (88.9 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01A	1156	NPS 3/4 (26.7 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01A	1157	NPS 3/4 (26.7 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01A	1275	NPS 3/4 (26.7 mm)	Low Pressure Condensate	550 psig (3792 kPa)
VFNGP-HS-01A	1276	NPS 3/4 (26.7 mm)	Low Pressure Condensate	550 psig (3792 kPa)
VFNGP-PG-08	1008	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-12	1012	10.75" (273.05 mm)	Process Gas	1415 psig (9756 kPa)
*VFNGP-TW-06A	1806	2.375" (60.325 mm)	Treated Water	230 psig (1586 kPa)
VFNGP-BFW-01A	1751	2.375" (60.325 mm)	Boiler Feed Water	1315 psig (9067 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
VFNGP-CL-65	1265	2.375" (60.325 mm)	Low Pressure Condensate (H ₂ O)	550 psig (3792 kPa)
VFNGP-HS-01	1151	3.5" (88.9 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-PG-09B	1009	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-FG-01	1701	2.375" (60.325 mm)	Fuel Gas	1350 psig (9308 kPa)
VFNGP-FG-01A	1701	NPS 1 (33.4 mm)	Fuel Gas	1350 psig (9308 kPa)
<i>Binder Number 4 - Hydrostatic Test Reports</i>				
*VFNGP-CL-01	1261	2.375" (60.325 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
VFNGP-PG-02	1002	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-02	1302	2.375" (60.325 mm)	Flare System	1415 psig (9756 kPa)
VFNGP-PG-03	1003	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-03	1304	2.375" (60.325 mm)	Flare System	1350 psig (9308 kPa)
VFNGP-PG-04	1004	10.75" (273.05 mm)	Process Gas	1200 psig (8274 kPa)
VFNGP-PG-05	1005	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-05	1006	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-05	1007	NPS 8 (219.1 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-05	1009	10.75" (273.05 mm)	Process Gas	1350 psig (9308 kPa)
VFNGP-PG-05	1311	6.625" (168.3 mm)	Flare System (HC Gas)	1350 psig (9308 kPa)
VFNGP-PG-05	1322	3.5" (88.9 mm)	Flare System (HC Gas)	1350 psig (9308 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
*VFNGP-F-29	1329	3.5" (88.9 mm)	Flare System (H ₂ O Liquid)	185 psig (1276 kPa)
VFNGP-AD-23	1423	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-LG-02	1902	2.375" (60.325 mm)	Lean Glycol	260 psig (1793 kPa)
VFNGP-LG-02	1903	NPS 4 (114.3 mm)	Lean Glycol	260 psig (1793 kPa)
VFNGP-RA-27	1127	2.375" (60.325 mm)	Rich Amine	1350 psig (9308 kPa)
VFNGP-RA-27	1128	NPS 1 (33.4 mm)	Rich Amine	1350 psig (9308 kPa)
<i>Sales Gas Piping</i>				
48-FN-10-2002	10" sales line/ main piping between meter building and hot tap	NPS 10 (273.1 mm)	Sales Gas	6450 kPa
48-FN-11-2002	62" length of 10" pipe for hot tap location	NPS 10 (273.1 mm)	Sales Gas	6450 kPa
48-FN-12-2002	Hot tap piping, valves and fittings	NPS 10 (273.1 mm)	Sales Gas	6450 kPa
48-FN-15-2002	Tie-in at meter building	NPS 10 (273.1 mm)	Sales Gas	6450 kPa
<i>Binder Number 5 - Hydrostatic Test Reports</i>				
VFNGP-AD-07	1407	2.375" (60.3 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-AD-07	1407	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
*VFNGP-CL-61A	1261	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
VFNGP-DW-00	1000	2.375" (60.3 mm)	Domestic Water	230 psig (1586 kPa)
VFNGP-HS-01B	1151	3.5" (88.9 mm)	High Pressure Steam	550 psig (3792 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
VFNGP-HS-01B	1153	2.375" (60.3 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01B	1154	3.5" (88.9 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01B	1155	NPS 3/4 (26.7 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01B	1158	NPS 3/4 (26.7 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01B	1159	NPS 3/4 (26.7 mm)	High Pressure Steam	550 psig (3792 kPa)
VFNGP-HS-01B	1265	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	550 psig (3792 kPa)
VFNGP-HS-01B	1269	NPS 3/4 (26.7 mm)	Low Pressure Condensate (H ₂ O)	550 psig (3792 kPa)
VFNGP-HS-01B	1277	NPS 3/4 (26.7 mm)	Low Pressure Condensate (H ₂ O)	550 psig (3792 kPa)
VFNGP-HS-01B	1278	NPS 3/4 (26.7 mm)	Low Pressure Condensate (H ₂ O)	550 psig (3792 kPa)
VFNGP-HS-01B	1320	NPS 1 (33.4 mm)	Flare System (liquid water)	550 psig (3792 kPa)
VFNGP-LA-01A	1051	10.75" (273.05 mm)	Lean Amine	1350 psig (9308 kPa)
VFNGP-LA-01A	1057	10.75" (273.05 mm)	Lean Amine	1350 psig (9308 kPa)
VFNGP-PA-51	1451	2.375" (60.3 mm)	Plant Air	250 psig (1724 kPa)
VFNGP-PA-51	1452	2.375" (60.3 mm)	Plant Air	250 psig (1724 kPa)
VFNGP-PA-51	1455	2.375" (60.3 mm)	Plant Air	250 psig (1724 kPa)
VFNGP-PA-51	1456	2.375" (60.3 mm)	Plant Air	250 psig (1724 kPa)
VFNGP-PA-51	1457	2.375" (60.3 mm)	Plant Air	250 psig (1724 kPa)
*VFNGP-PW-52	1652	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
VFNGP-V-260	1427	4.50" (114.3 mm)	Amine Drain	1350 psig (9308 kPa)
*VFNGP-V-51	1851	4.50" (114.3 mm)	Vent Gas	10 psig (69 kPa)
*VFNGP-V-51	1852	2.375" (60.3 mm)	Vent Gas	10 psig (69 kPa)
<i>Binder Number 6 - Shop Fabricated Piping Hydrostatic Test Reports</i>				
Presson Package (6829-01)	GRG-1000-C3-B	NPS 10 (273.1 mm)	Hydrocarbon Gas	1200 psig (8274 kPa)
Presson Package (6829-02)	GPS-1001-C1-B	NPS 12 (323.9 mm)	Hydrocarbon Gas	1480 psig (10204 kPa)
Presson Package (6829-03)	GPS-1002-C1-B	NPS 10 (273.1 mm)	Hydrocarbon Gas	1480 psig (10204 kPa)
Presson Package (6824-04)	LLG-1003-A1-B	NPS 3 (88.9 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-05)	LLG-1004-A1-B	NPS 3 (88.9 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-06)	LLG-1004-A1-B	NPS 3 (88.9 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-07)	LLG-1005-A1-B	NPS 3 (88.9 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-08)	LRG-1017-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-09)	LLG-1019-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-10)	LLG-1020-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-11)	DWA-1023-A1-B	NPS 2 (60.3 mm)	Water/Mixed Drain	285 psig (1965 kPa)
Presson Package (6829-11)	DWA-1023-C1-B	NPS 2 (60.3 mm)	Water/Mixed Drain	1480 psig (10204 kPa)
Presson Package (6829-12)	FHR-1026-A1-B	NPS 3 (88.9 mm)	Hydrocarbon Gas	285 psig (1965 kPa)
Presson Package (6829-13)	FHR-1028-A1-B	NPS 3 (88.9 mm)	Hydrocarbon Gas	285 psig (1965 kPa)
Presson Package	FHR-1027-A1-B	NPS 3	Hydrocarbon Gas	285 psig

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
(6829-14)		(88.9 mm)		(1965 kPa)
Presson Package (6829-14)	FHR-1027-C1-B	NPS 3 (88.9 mm)	Hydrocarbon Gas	1480 psig (10204 kPa)
Presson Package (6829-15)	GST-1029-B-11/2"H	NPS 2 (60.3 mm)	Steam	740 psig (5102 kPa)
Presson Package (6829-16)	GST-1029-B-11/2"H	NPS 2 (60.3 mm)	Steam	740 psig (5102 kPa)
Presson Package (6829-17)	GST-1030-B-11/2"H	NPS 2 (60.3 mm)	Steam	740 psig (5102 kPa)
Presson Package (6829-18)	GST-1031-B-11/2"H	NPS 2 (60.3 mm)	Steam	740 psig (5102 kPa)
Presson Package (6829-19)	LRG-1022-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-20)	LRG-1036-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-21)	LRG-1037-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-22)	LRG-1037-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-23)	LLG-1038-A1-B	NPS 2 (60.3 mm)	Glycol	285 psig (1965 kPa)
Presson Package (6829-24)	LPW-1021-A1-B	NPS 2 (60.3 mm)	Water	285 psig (1965 kPa)
Presson Package (6829-25)	GFG-1025-A1-B	NPS 2 (60.3 mm)	Hydrocarbon Gas	285 psig (1965 kPa)
Presson Package (6829-26)	LHC-1042-A1-B	NPS 2 (60.3 mm)	Hydrocarbon Condensate	285 psig (1965 kPa)
Presson Package (6829-27)	GST-1033-A-11/2"H	NPS 2 (60.3 mm)	Steam	285 psig (1965 kPa)
Presson Package (6829-28)	GST-1034-A-11/2"H	NPS 2 (60.3 mm)	Steam	285 psig (1965 kPa)
Presson Package (6829-30)	GST-1043-A5-B	NPS 4 (114.3 mm)	Steam	230 psig (1586 kPa)
Small Bore Piping	<i>Socket welds</i>			
Small Bore	LRG -1013-A1-	NPS 1 ½	Glycol	285 psig

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
Piping	B	(48.3 mm)		(1965 kPa)
Small Bore Piping	LRG -1012-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	LRG -1012-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LLG -1006-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LLG-1008-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LRG -1011-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LRG-1010-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LRG-1014-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	LLG -1006-C1-1½ H	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LLG -1007-C1-B	NPS 1 ½ (48.3 mm)	Glycol	1100 psig (7584 kPa)
Small Bore Piping	LRG -1017-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	LRG -1018-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	FRF -1009-A1-B	NPS 1 (33.4 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	LRG -1015-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	LRG -1016-A1-B	NPS 1 ½ (48.3 mm)	Glycol	285 psig (1965 kPa)
Small Bore Piping	GST -1031-B1-1½ H	NPS 1 ½ (48.3 mm)	Steam	740 psig (5102 kPa)
Small Bore Piping	GST -1030-B1-1½ H	NPS 1 ½ (48.3 mm)	Steam	740 psig (5102 kPa)
Small Bore Piping	GST -1029-B1-1½ H	NPS 1 ½ (48.3 mm)	Steam	740 psig (5102 kPa)
Small Bore	GST -1034-A1-	NPS 1 ½	Steam	285 psig

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
Piping	1½ H	(48.3 mm)		(1965 kPa)
Small Bore Piping	GST -1033-A1-1½ H	NPS 1 ½ (48.3 mm)	Steam	285 psig (1965 kPa)
Small Bore Piping	LHC-1042-A1-B	NPS 1 ½ (48.3 mm)	Hydrocarbon Condensate	285 psig (1965 kPa)
Small Bore Piping	E-293 - internal coil		Glycol	260 psig (1793 kPa)
Small Bore Piping	<i>Additional lines</i>			
Small Bore Piping	GIA -1035-A1-B	NPS 1 (33.4 mm)	Air	90 psig (621 kPa)
Small Bore Piping	DWA-1023-A1-B	NPS 2 (60.3 mm)	Mixed drain	90 psig (621 kPa)
Small Bore Piping	GFG -1024-A1-B	NPS 1 (33.4 mm)	Natural Gas	90 psig (621 kPa)
Small Bore Piping	GFG -1025-A1-B	NPS 1 (33.4 mm)	Natural Gas	90 psig (621 kPa)
Small Bore Piping	LPW-1021-C1-B	NPS 1 (33.4 mm)	Hydrocarbon	1480 psig (10204 kPa)
Amine Storage Tank	Heating Coil (G-02-136-1)	NPS 2 & 1 (60.3 & 33.4 mm)	Steam	75 psig (517 kPa)
Sales Gas Building Skid	1010	NPS 10 (273.05 mm)	Process Gas	1350 psig (9308 kPa)
Flare Knockout Drum	Bridle (V-240A)	NPS 4 & 2 (114.3 & 60.3 mm)	Water	50 psig (345 kPa)
Flare Knockout Drum	Instrument Cage (V240-B)	NPS 4 & 2 (114.3 & 60.3 mm)	Water	50 psig (345 kPa)
Flare Knockout Drum	Instrument Cage (V-240-C)	NPS 4 & 2 (114.3 & 60.3 mm)	Water	50 psig (345 kPa)
Flare Knockout Drum	P-200 Suction Piping	NPS 2 (60.3 mm)	Water	50 psig (345 kPa)
Flare Knockout Drum	P-200 Discharge Piping	NPS 2 (60.3 mm)	Water	50 psig (345 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
<i>Binder Number 7 - Shop Fabricated Piping Hydrostatic Test Reports</i>				
*VFNGP-PW-52B	1652	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-PW-52B	1653	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-PW-52B	1659	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-PW-52B	1660	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-PW-52B	1662	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-PW-52B	1652B1/2	4.50" (114.3 mm)	Produced Water	ATM (101.325 kPa)
VFNGP-HT-01	1401	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1403	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1404	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1414	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1416	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1417	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1419	2.375" (60.3 mm)	Amine Drain	1350 psig (9308 kPa)
VFNGP-HT-01	1309	2.375" (60.3 mm)	Flare System (HC Gas)	1350 psig (9308 kPa)
VFNGP-HT-01	1313	2.375" (60.3 mm)	Flare System (HC Gas)	1350 psig (9308 kPa)
VFNGP-HT-01	1708	NPS 1 (33.4 mm)	Fuel Gas (HC Gas)	1350 psig (9308 kPa)
VFNGP-HT-01	1718	NPS 1 (33.4 mm)	Fuel Gas (HC Gas)	1350 psig (9308 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
VFNGP-HT-01	1719	NPS 1 (33.4 mm)	Fuel Gas (HC Gas)	1350 psig (9308 kPa)
VFNGP-HT-01	1753	2.375" (60.3 mm)	Boiler Feed Water	1315 psig (9067 kPa)
VFNGP-HT-01	1754	2.375" (60.3 mm)	Boiler Feed Water	1315 psig (9067 kPa)
VFNGP-HT-01	1901	2.375" (60.3 mm)	Lean Glycol	1350 psig (9308 kPa)
VFNGP-HT-01	1212	2.375" (60.3 mm)	Low Pressure Steam	1235 psig (8515 kPa)
VFNGP-HT-01	1651	3.5" (88.9 mm)	Produced Water	1350 psig (9308 kPa)
VFNGP-HT-01	1654	2.375" (60.3 mm)	Produced Water	1350 psig (9308 kPa)
VFNGP-HT-01	1655	NPS 1 ½ (48.3 mm)	Produced Water	1350 psig (9308 kPa)
VFNGP-HT-01	1658	NPS ½ (21.3 mm)	Produced Water	1350 psig (9308 kPa)
VFNGP-HT-01	1101	10.75" (273.05 mm)	Rich Amine	1350 psig (9308 kPa)
<i>Binder Number 8 - Shop Fabricated Piping Hydrostatic Test Reports</i>				
VFNGP-RA-03A	1407	NPS 2 & 1 (60.3 & 33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1408	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1410	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1412	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1413	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1423	NPS 1 (33.4 mm)	Amine Drain	260 psig (1793 kPa)
VFNGP-RA-03A	1711	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
VFNGP-RA-03A	1712	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-RA-03A	1720	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-RA-03A	1721	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-RA-03A	1103	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1104	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1105	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1106	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1107	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1108	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1109	2.375" (60.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1110	3.5" (88.9 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1111	2.375" (60.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1112	3.5" (88.9 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1116	6.625" (168.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1120	NPS 1 (33.4 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1122	NPS 1 (33.4 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1125	2.375" (60.3 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-RA-03A	1126	2.375" (60.3 mm)	Rich Amine	260 psig (1793 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
*VFNGP-RA-03A	1801	2.375" (60.3 mm)	Treated Water	230 psig (1586 kPa)
VFNGP-RA-03A	1803	NPS 1 (33.4 mm)	Treated Water	230 psig (1586 kPa)
*VFNGP-RA-03A	1804	NPS 1 (33.4 mm)	Treated Water	230 psig (1586 kPa)
VFNGP-RA-03A	1805	NPS 1 (33.4 mm)	Treated Water	230 psig (1586 kPa)
*VFNGP-RA-03A	1807	NPS 1 (33.4 mm)	Treated Water	230 psig (1586 kPa)
*VFNGP-RA-03A	1808	NPS 1 (33.4 mm)	Treated Water	230 psig (1586 kPa)
Binder Number 10				
VFNGP-LT-01	1405	2.375" (60.3 mm)	Amine Drain	260
VFNGP-LT-01	1415	2.375" (60.3 mm)	Amine Drain	260
VFNGP-LT-01	1418	2.375" (60.3 mm)	Amine Drain	260
*VFNGP-LT-01	1261	NPS 1 (33.4 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1262	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1263	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1264	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1266	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1267	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1268	2.375" (60.3 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1270	NPS 1 (33.4 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1271	NPS 1	Low Pressure	215 psig

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
		(33.4 mm)	Condensate (H ₂ O)	(1482 kPa)
*VFNGP-LT-01	1272	NPS 1 (33.4 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1273	NPS 1 (33.4 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
*VFNGP-LT-01	1274	NPS 1 (33.4 mm)	Low Pressure Condensate (H ₂ O)	215 psig (1482 kPa)
VFNGP-LT-01	1301	NPS 14 (355.6 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1303	3.5" (88.9 mm)	Flare System (HC Gas)	270 psig (1862 kPa)
VFNGP-LT-01	1305	3.5" (88.9 mm)	Flare System (HC Gas)	270 psig (1862 kPa)
VFNGP-LT-01	1306	NPS 1 (33.4 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1308	4.50" (114.3 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1310	3.5" (88.9 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1312	3.5" (88.9 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1314	3.5" (88.9 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1315	6.625" (168.3 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1316	2.375" (60.3 mm)	Flare System (HC Gas)	270 psig (1862 kPa)
VFNGP-LT-01	1317	3.5" (88.9 mm)	Flare System (Liquid Water)	270 psig (1862 kPa)
VFNGP-LT-01	1318	2.375" (60.3 mm)	Flare System (HC Gas)	260 psig (1793 kPa)
VFNGP-LT-01	1319	3.5" (88.9 mm)	Flare System (HC Gas)	270 psig (1862 kPa)
VFNGP-LT-01	1323	6.625" (168.3 mm)	Flare System (HC Gas)	270 psig (1862 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
*VFNGP-LT-01	1324	3.5" (88.9 mm)	Flare System (liquid water)	185 psig (1276 kPa)
VFNGP-LT-01	1326	2.375" (60.3 mm)	Flare System (HC Gas)	270 psig (1862 kPa)
VFNGP-LT-01	1327	2.375" (60.3 mm)	Flare System (liquid water)	185 psig (1276 kPa)
VFNGP-LT-01	1702	2.375" (60.3 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1704	2.375" (60.3 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1705	2.375" (60.3 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1706	2.375" (60.3 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1707	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1709	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1710	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1715	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1716	NPS 1 (33.4 mm)	Fuel Gas	260 psig (1793 kPa)
VFNGP-LT-01	1053	4.50" (114.3 mm)	Lean Amine	260 psig (1793 kPa)
VFNGP-LT-01	1054	4.50" (114.3 mm)	Lean Amine	260 psig (1793 kPa)
VFNGP-LT-01	1056	4.50" (114.3 mm)	Lean Amine	260 psig (1793 kPa)
*VFNGP-LT-01	1201	3.5" (88.9 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1202	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1205	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)

Test package No.	Line Number (Description)	Outer Diameter	Commodity	Requested MOP
*VFNGP-LT-01	1206	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1207	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1209	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1210	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1211	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1213	2.375" (60.3 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1214	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1215	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1217	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1218	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
*VFNGP-LT-01	1261	NPS 1 (33.4 mm)	Low Pressure Steam	185 psig (1276 kPa)
VFNGP-LT-01	1102	10.75" (273.05 mm)	Rich Amine	260 psig (1793 kPa)
VFNGP-LT-01	1113	2.375" (60.3 mm)	Rich Amine	260 psig (1793 kPa)