LINE LIST

LINE NUMBER	FROM	TO	NPS (IN)	FLUID	OPER P (BARG)	OPER T (°C)	DES P (BARG)	DES T (°C)	CLASS	MATERIAL	CA (MM)	INSUL	TEST P (BARG)	TEST MEDIUM	P&ID
24"-BR-1001-A3	H-101	TI-01	24	HOT BRINE	22	188	40	230	300#	A106 GR B	3	75 MM MIN WOOL	60	WATER	PID-101/102
10"-BR-1101-A3	PW-101	H-101	10	HOT BRINE	25	190	40	230	300#	A106 GR B	3	75 MM MIN WOOL	60	WATER	PID-101
10"-BR-1102-A3	PW-102	H-101	10	HOT BRINE	25	190	40	230	300#	A106 GR B	3	75 MM MIN WOOL	60	WATER	PID-101
10"-BR-1103-A3	PW-103	H-101	10	HOT BRINE	25	190	40	230	300#	A106 GR B	3	75 MM MIN WOOL	60	WATER	PID-101
16"-BR-2001-A6	TI-02	IW-201	16	COOLED BRINE	42	75	60	100	600#	A106 GR B	3	NONE	90	WATER	PID-101/102
2"-CI-3001-A6	CI-101	WELLHEADS	2	INHIBITOR	45	AMB	60	230	600# SS	316 SS	0	NONE	90	WATER	PID-101

TIE-IN SCHEDULE

TIE-IN	DESCRIPTION	DISCIPLINE	EXISTING (PLANT SIDE)	NEW (MP-1 SIDE)	TIE-IN METHOD	PLANT OUTAGE	DRAWING
TI-01	HOT BRINE TO EXISTING ORC PRODUCTION HEADER	PIPING	EXISTING 30" HEADER, 300#	24"-BR-1001-A3 VIA R-101	HOT TAP, 24" X 30"	NO	PID-102
TI-02	COOLED BRINE FROM INJECTION PUMP DISCHARGE	PIPING	EXISTING 20" HEADER, 600#	16"-BR-2001-A6	HOT TAP, 16" X 20"	NO	PID-102
TI-03	34.5 KV FEEDER FROM PLANT SUBSTATION	ELECTRICAL	EXISTING 34.5 KV BUS B	BREAKER 52-F5, FEEDER FDR-5	NEW BREAKER, SPARE BAY	BUS B	E-001
TI-04	FIBER TO PLANT DCS / SCADA	I&C	EXISTING DCS MARSHALLING RACK	48-STRAND SM FIBER	SPLICE TO SPARE PANEL	NO	C-001

HYDROSTATIC TEST PACKAGES

TEST PACKAGE	LINES	TEST P (BARG)	HOLD (H)	CODE
TP-01 HOT BRINE	24"-BR-1001-A3, 10"-BR-1101/1102/1103-A3	60	2	ASME B31.1 137.4
TP-02 INJECTION	16"-BR-2001-A6	90	2	ASME B31.1 137.4
TP-03 CHEMICAL	2"-CI-3001-A6	90	1	ASME B31.1 137.4

GENERAL NOTES

1. LINE NUMBER FORMAT: NPS - SERVICE - SEQUENCE - PIPING CLASS. BR = BRINE, CI = CHEMICAL INJECTION.
2. PIPING CLASS A3 = ASME 300#, A6 = ASME 600#, CARBON STEEL A106 GR B. CI LINES 316 SS, 600#.
3. DESIGN CODE ASME B31.1. HYDROTEST AT 1.5 X DESIGN PRESSURE WITH PSVS REMOVED OR BLINDED.
4. HOT BRINE LINES SIZED FOR VELOCITY BELOW 3.0 M/S AT 210 KG/S TOTAL.
5. TIE-INS TI-01 AND TI-02 BY HOT TAP. NO ORC OUTAGE REQUIRED. TI-03 REQUIRES A BUS B OUTAGE, SEQUENCE TO BE AGREED WITH PLANT OPERATIONS.
6. ALL VALUES PRELIMINARY, TO BE CONFIRMED AGAINST EXISTING PLANT AS-BUILT DATA.

REFERENCE DRAWINGS

- MUF-C-001 OVERALL SITE PLAN AND PIPELINE CORRIDOR
- MUF-PID-101 P&ID MAKEUP PAD MP-1 WELLHEADS AND PRODUCTION HEADER
- MUF-PID-102 P&ID BRINE PIPELINES AND PLANT TIE-INS
- MUF-E-001 ELECTRICAL ONE-LINE DIAGRAM

CLIENT

PROJECT

COUNTY,

PRELIMINARY - NOT FOR CONSTRUCTION

REVISIONS

REV	DATE	DESCRIPTION
A	2026-10-02	ISSUED FOR REVIEW

DESIGNED [ENGINEER NAME]

DRAWN [ENGINEER NAME]

CHECKED

APPROVED

DATE 2026-10-02

SCALE: NTS

PIPING

LINE LIST AND TIE-IN SCHEDULE

MUF-SCH-001