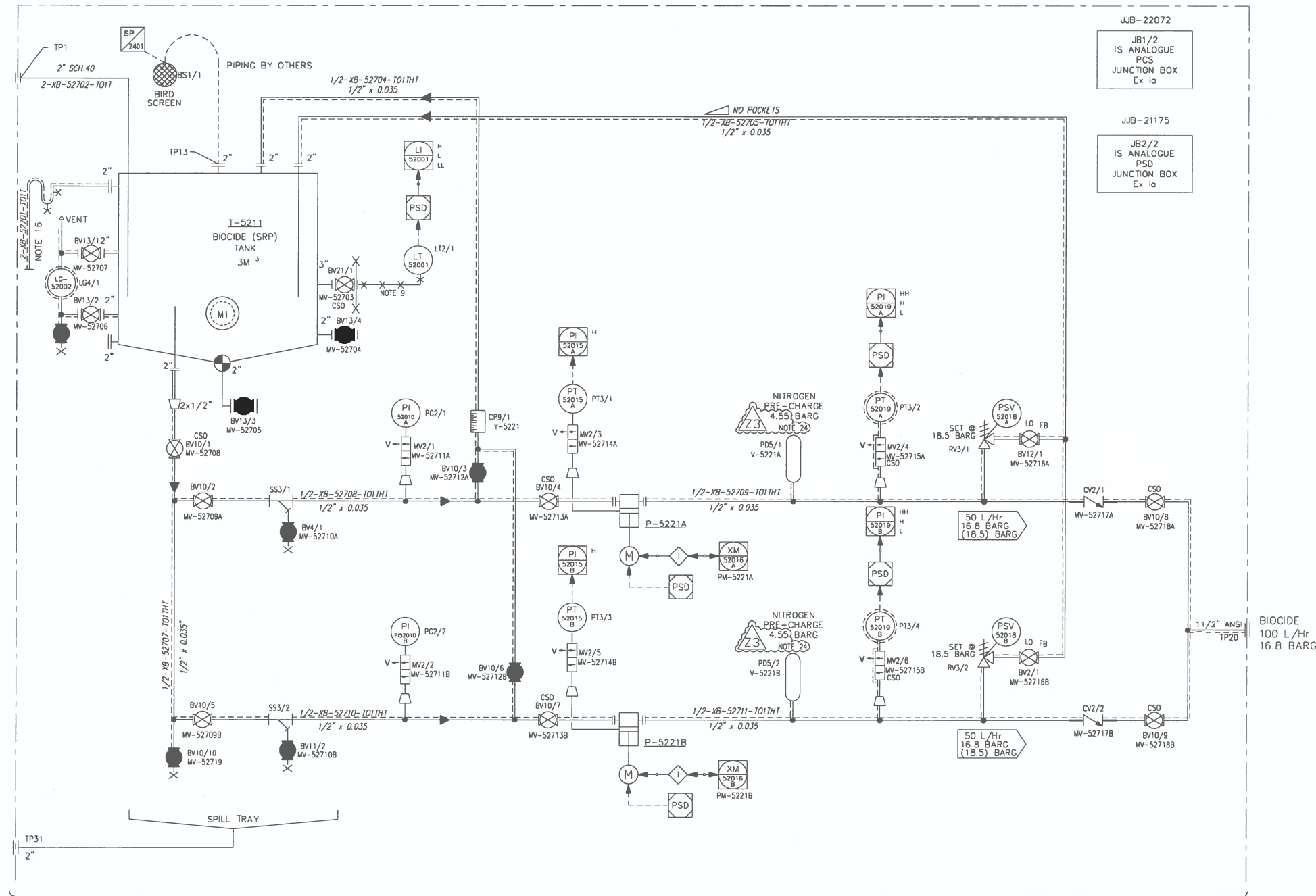


# PACKAGE: X-5201 WATER INJECTION

BIOCIDE (SRP) PUMPS  
P-5221A - 0.37kW  
P-5221B - 0.37kW

TIE-IN No	TANK No	SIZE	RATING	FLANGE	SERVICE
TP1	-	2"	150#	RF	DECANTING PLATFORM INLET
TP13	-	2"	150#	RF	BIOCIDE VENT
TP20	-	1 1/2"	300#	RF	BIOCIDE OUTLET
TP31	-	2"	300#	RF	SPILL TRAY



CONTINUED ON DRG. No. 440010/322

## NOTES

- SYMBOLS IN ACCORDANCE WITH LEGEND SHEETS 168397-100-PR-0001-01, 0002-01, 0003-1 AND 0004-1.
- ALL PIPE AND TUBING TO BE SEAMLESS TITANIUM. ALL VALVES/INST MANIFOLDS TO BE TITANIUM.
- TUBE FITTINGS TO BE TWIN FERRULE COMPRESSION TYPE 'A-LOK', TITANIUM ON TITANIUM TUBING.
- THREAD SEALANT : SWAK.
- FLUID : BIOCIDE (SRP).
- ALL PRESSURES ARE OPERATING.
- ALL PUMPS TO BE FITTED WITH MANUAL STROKE ADJUSTMENT FROM 0-100% OF DESIGN DOSING RATE.
- ALL DRAIN NOZZLES TO BE LOCATED FLUSH WITH TANK/VESSEL BOTTOM TO ENABLE COMPLETE EMPTYING OF TANK.
- DP CONNECTION 3" WITH CAPILLARY, CHEMICAL SEAL SENSING LEVEL AT PUMP SUCTION AND FLUSHING RING C/W PLUGGED VENT & DRAIN, MATERIAL TO BE TITANIUM.
- ALL TRANSMITTERS TO HAVE LOCAL READOUT.
- BIRD SCREEN TO BE SUPPLIED LOOSE FOR LOCATION IN PURCHASER PIPING.
- ALL VENTS AND BLEEDS MUST BE FITTED WITH PLUGS.
- INLET TO PSV TO RISE CONTINUOUSLY WITH NO POCKETS. OUTLET FROM PSV TO FALL CONTINUOUSLY TO TANK.
- BIRD SCREEN PIPING BY OTHERS.
- PUMP INTERNAL RELIEF VALVES SET AT 19 BARG.
- OVERFLOW DIRECTED TO SPILL TRAY.
- PUMP SUCTION AND DISCHARGE 3/4" ANSI 150 RF.
- ALL TITANIUM FITTINGS & TUBING TO BE COLOUR CODED FLAME RED (RAL 3000) & FITTED WITH PERMANENT WARNING LABELS.
- P-5221 A/B TO RUN TOGETHER TO ACHIEVE 100L/Hr.
- ALL CSO (CAR SEAL OPEN) AND CSC (CAR SEAL CLOSED) VALVES LOCKING MECHANISM IS TO BE SUPPLIED BY OTHERS.
- PUMPS TO BE STARTED/STOPPED AUTOMATICALLY BY ICSS ON RECEIPT OF SIGNAL FROM SRP.

6	19.07.13	RE-ISSUED AS-BUILT (CS.019)	CP			
5	12.03.13	RE-ISSUED AS-BUILT (CS.017)	CP	DB	TC	-
4	18.09.12	ISSUED AS-BUILT	PA	TC	TG	-
3	12.09.12	ISSUED AS-BUILT	PA	TC	AG	-
23	27.01.16	AS-BUILT FOR GIC0078				
22	24.05.17	AS-BUILT AS PER GIC0036	LM	RS	RS	TR
21	27.01.16	AD-HOC AS-BUILT	SB	SC	AH	TR
REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT



TITLE:  
PIPING & INSTRUMENT DIAGRAM  
BIOCIDE PACKAGE X-5201  
WATER INJECTION

SCALE (A1): NTS

ASSAI No: -

CONTRACT No: WNV440010

CLIENT CONTRACT No: 168397

DRAWING No:

168397-100-PO-3366-MC2-011

REV

Z3

- ALL TRACE HEATING & INSULATION BY OTHERS.
- TANK OPERATING & ALARM LEVELS RELATIVE TO TANK DRAIN VALVE (SHOWN AS DATUM POINT). LL: 793mm L: 1000mm H: 2850mm BRIM: 3000mm
- PULSATION DAMPER PRE-CHARGE SET AT 70-80% OF OPERATING PRESSURE

FILE NAME: S:\PROJECTS\ENGINEERING\GOLDEN EAGLE\WATER INJECTION\X-5201\100-PO-3366-MC2-011\_23.DWG REF: WJ-30 28.09.2016 09:51:11