

Tie-in No	Service	Type	Location	Service	From	To	Line Number	Line Size	Remarks	From / To	Phase	Type	Insu
088-TP-001	Process IN	Type-II	CPR GR 393-394	AMINE ACID GAS	HEADER	UNIT 088	900-P-211-8000-A2AQ-IT	36		ARU	V	EF	IT
088-TP-002	Process OUT	Type-I	CPR GR 407-408	SOUR WATER FROM KOD PUMPS	UNIT 088	HEADER	80-P-211-8002-B4AR-NI	3		SWS UNIT	L	CT	NI
088-TP-003	Process IN	Type-II	CPR GR 393-394	SWS ACID GAS	HEADER	UNIT 088	500-P-211-8003-A2AQ-IT	20		SWS	V	EF	IT
088-TP-004	Process IN	Type-I	CPR GR 407-408	FGD SO2 GAS	HEADER	UNIT 088	250-P-211-8006-A1LV-IT	10		FGD	V	CT	IT
088-TP-005	Process OUT	Type-II	CPR GR 393-394	SRU TAIL GAS FROM FINAL CONDENSER	UNIT 088	HEADER	1200-P-211-8007-A2AP-IT	48		INCINERATOR	V	EF	CT
088-TP-006	Process OUT	Type-II	CPR GR 393-394	SRU TAIL GAS DIVERSION	UNIT 088	HEADER	1200-P-211-8009-A2AP-IT	48	NNF	INCINERATOR	V	EF	CT
088-TP-007	Process OUT	Type-II	CPR GR 393-394	SULFUR PIT VAPOUR	UNIT 088	HEADER	250-P-211-8011-A2AF-IJ	10		INCINERATOR	V	EF	IJ
088-TP-008	Process OUT	Type-I	CPR GR 407-408	LIQUID SULFUR	UNIT 088	HEADER	150-P-211-8013-A2AF-IT	6		STORAGE	L	EF	IJ
088-TP-009	Process OUT	Type-II	CPR GR 393-394	DEGASSING CONTACTOR OVER HEAD	UNIT 088	HEADER	200-P-211-8014-A2AF-IJ	8		INCINERATOR	V	EF	IJ
088-TP-010	Process IN	Type-II	CPR GR 393-394	COMBUSTION AIR	HEADER	UNIT 088	1100-PA-211-8005-A2AP-IH	44		UNIT 085	V	EF	IH
088-TP-011	Utility IN	Type-I	CPR GR 407-408	PLANT AIR	HEADER	UNIT 088	50-AP-212-8016-A1AA-NI	2		HEADER	V	CT	NI
088-TP-012	Utility IN	Type-II	CPR GR 393-394	NITROGEN	HEADER	UNIT 088	200-N-212-8017-A1AA-NI	8		HEADER	V	EF	NI
088-TP-013	Utility IN	Type-I	CPR GR 407-408	SERVICE WATER	HEADER	UNIT 088	80-WS-212-8018-A2AW-NI	3		HEADER	L	CT	NI
088-TP-014	Utility IN	Type-I	CPR GR 407-408	POTABLE WATER	HEADER	UNIT 088	80-WDK-212-8019-S1RW-NI	3		HEADER	L	CT	IH
088-TP-015	Utility OUT	Type-II	CPR GR 393-394	SATURATED HP STEAM	UNIT 088	HEADER	300-SH-212-8020-D1AS-IH	12		HEADER	V	EF	IH
088-TP-016	Utility OUT	Type-I	CPR GR 407-408	SUPERHEATED HP STEAM	UNIT 088	HEADER	150-SH-212-8021-D1AS-IH	6		HEADER	V	CT	IH
088-TP-017	Utility OUT	Type-II	CPR GR 393-394	LP STEAM	UNIT 088	HEADER	600-SL-212-8022-A1AS-IH	24		HEADER	V	EF	IH
088-TP-018	Utility IN	Type-I	CPR GR 407-408	MP BFW	HEADER	UNIT 088	80-WB-212-8023-B2AS-IH	3		HEADER	L	CT	IH
088-TP-019	Utility IN	Type-I	CPR GR 407-408	HP BFW	HEADER	UNIT 088	150-WB-212-8024-D2AS-IH	6		HEADER	L	CT	IH
088-TP-020	Utility IN	Type-I	CPR GR 407-408	INSTRUMENT AIR	HEADER	UNIT 088	80-AI-212-8025-S0RA-NI	3		HEADER	V	CT	NI
088-TP-021	Utility OUT	Type-I	CPR GR 407-408	LP CONDENSATE	UNIT 088	HEADER	100-CL-212-8026-A2AS-IH	4		HEADER	L	CT	IH
088-TP-022	Utility OUT	Type-I	CPR GR 407-408	AG FLARE	UNIT 088	HEADER	150-FAG-212-8027-A2AQ-IT	6	LINE SIZE HOLD	HEADER	V	CT	IT
088-TP-023	Utility IN	Type-II	CPR GR 393-394	LP BLOW DOWN	HEADER	UNIT 088	50-BD-212-8028-A2AS-PP	2		HEADER	L	EF	PP
088-TP-024	Utility IN	Type-II	CPR GR 393-394	HP BLOW DOWN	HEADER	UNIT 088	100-BD-212-8029-D2AS-PP	4		HEADER	L	EF	PP
088-TP-025	Utility IN	Type-II	CPR GR 393-394	FUEL GAS SUPPLY	HEADER	UNIT 088	150-FG-212-8030-A2AD-IT	6		HEADER	V	EF	IT
088-TP-026	Utility IN	Type-I	CPR GR 407-408	LP CONDENSATE	HEADER	UNIT 088	250-CL-212-8031-A2AS-PP	10		HEADER	L	CT	PP
090-TP-027	Process IN	Type-II	CPR GR 393-394	VENT GAS	HEADER	UNIT 090	100-P-211-8501-A2AR-IT	4		SWS VENT GAS	V	EF	IT
090-TP-028	Utility IN	Type-I	CPR GR 407-408	PLANT AIR	HEADER	UNIT 090	50-AP-212-8503-A1AA-NI	2		HEADER	V	CT	NI
090-TP-029	Utility IN	Type-I	CPR GR 407-408	SERVICE WATER	HEADER	UNIT 090	80-WS-212-8505-A2AW-NI	3		HEADER	L	CT	NI
090-TP-030	Utility IN	Type-I	CPR GR 407-408	POTABLE WATER	HEADER	UNIT 090	80-WDK-212-8506-S1RW-NI	3		HEADER	L	CT	IH
090-TP-031	Utility OUT	Type-I	CPR GR 407-408	HP STEAM	UNIT 090	HEADER	250-SH-212-8507-D1AS-IH	10		HEADER	V	CT	IH
090-TP-033	Utility IN	Type-I	CPR GR 407-408	HP BFW	HEADER	UNIT 090	150-WB-212-8510-D2AS-IH	6		HEADER	L	CT	IH
090-TP-034	Utility IN	Type-I	CPR GR 407-408	INSTRUMENT AIR	HEADER	UNIT 090	100-AI-212-8511-S0RA-NI	4		HEADER	V	CT	NI
090-TP-036	Utility OUT	Type-I	CPR GR 407-408	AG FLARE	UNIT 090	HEADER	600-FAG-212-8513-A2AQ-IT	24	LINE SIZE HOLD	HEADER	V	CT	IT
090-TP-037	Utility IN	Type-I	CPR GR 407-408	FUEL GAS SUPPLY	HEADER	UNIT 090	200-FG-212-8517-A2AD-IT	8		HEADER	V	CT	NI
090-TP-038	Utility OUT	Type-I	CPR GR 407-408	LP CONDENSATE	UNIT 090	HEADER	250-CL-212-8518-A2AS-PP	10	LINE SIZE HOLD	HEADER	L	CT	PP
089-TP-039	Process IN	Type-III	TGTU-1	TAIL GAS	UNIT 089	UNIT 090	1200-P-089-8519-A2AL-NI	48		TGTU ABSORBER	V	CT	NI
089-TP-040	Process IN	Type-III	TGTU-1	TAIL GAS	UNIT 089	UNIT 090	400-P-089-8520-A2AR-IT	16	NNF	QUENCH COLUMN	V	CT	IT
089-TP-041	Process IN	Type-III	TGTU-1	VENT GAS	UNIT 089	UNIT 090	80-P-089-8521-A2AL-NI	3	NNF	AMINE SUMP	V	CT	PP
089-TP-042	Process IN	Type-III	TGTU-1	VENT GAS	UNIT 089	UNIT 090	80-P-089-8522-A2AL-NI	3	NNF	SOUR WATER SUMP	V	CT	PP
088-TP-043	Utility IN	Type-I	UG SRU-3 West	COOLING WATER SUPPLY	HEADER	UNIT 088	150-WCS-212-8035-A2AW-NI	6		HEADER	L	EF	NI
088-TP-044	Utility OUT	Type-I	UG SRU-3 West	COOLING WATER RETURN	UNIT 088	HEADER	150-WCR-212-8036-A2AW-NI	6		HEADER	L	EF	NI
089-TP-051	Process IN		TGTU-1	PROCESS GAS				16	NNF	QUENCH COLUMN	V	CT	IT
089-TP-052	Process OUT		TGTU-1	PROCESS GAS				16	NNF	INCINERATOR	V	CT	IT
089-TP-053	Process IN		TGTU-1	PROCESS GAS				48		TGTU ABSORBER	V	CT	NI
089-TP-054	Process OUT		TGTU-1	PROCESS GAS				48		INCINERATOR	V	CT	NI
089-TP-055	Process IN		TGTU-1	VENT GAS				3	NNF	AMINE SUMP	V	CT	PP
089-TP-056	Process OUT		TGTU-1	VENT GAS				3	NNF	INCINERATOR	V	CT	PP
089-TP-057	Process IN		TGTU-1	VENT GAS				3	NNF	SOUR WATER SUMP	V	CT	PP
089-TP-058	Process OUT		TGTU-1	VENT GAS				3	NNF	INCINERATOR	V	CT	PP

Tie-in Summary

IOCL Paradip 525 TPD Standby SRU

