



ControTrace® Line List

IOCL PARADIP 525 TPD STANDBY SRU

Existing Tail Gas Line List for which ControTrace® to be installed in Shutdown

SI No	Process Description	NPS (in)	Class	Maintenance Temperature (°C)	Insulation Thickness (mm)	Pipe Material	Pipe Schedule	Approx Pipe Length (m) @	Approx CL Elevation @	Location	Line No	P&ID	Core Piping Isometric / Piping GA / Reference Drawing / BOQ
1	Process gas from TGTU absorber to Incinerator	50	A8A	138	50	CS	14.27mm	24	113.300 M	Unit 089	1200-P-089-1902-A2AL-CT	PRRP4220-271-8110-25-089-0022 Rev Z1X	PDRP0271-52-BGRB-P-089-1902 Rev S1 PDRP0271-52-BGAA-P-089-1902 Rev S2 (Sheet 1, 2)
2	Process gas from TGTU absorber to Incinerator	48	A8A	138	50	CS	XS	24	113.300 M	Unit 089	1200-P-089-1902-A2AL-CT	PRRP4220-271-8110-25-089-0022 Rev Z1X	PDRP0271-52-BGRA-P-089-1902 Rev S1 PDRP0271-52-BGRB-P-089-1902 Rev S1
3	Tail gas from SRU Unit to TGTU Incinerator (Header)	48	A12A	138	50	CS	XS	110	113.300 M	Unit 211	1200-P-211-1207-A2AP-CT #	PDRP4240-275-8110-25-211-2030 Rev ZX PDRP4240-275-8110-25-211-2032 Rev ZX PDRP4240-275-8110-25-211-2034 Rev ZX	PDRP4240-275-8230-51-211-0430 Rev S1 PDRP4240-275-8230-51-211-0431 Rev S1 PDRP4240-275-8230-51-211-0432 Rev S1
4	Tail gas from SRU Unit to TGTU (Header)	48	A12A	138	50	CS	XS	110	113.300 M	Unit 211	1200-P-211-1209-A2AP-CT #	PDRP4240-275-8110-25-211-2030 Rev ZX PDRP4240-275-8110-25-211-2032 Rev ZX PDRP4240-275-8110-25-211-2034 Rev ZX	PDRP4240-275-8230-51-211-0430 Rev S1 PDRP4240-275-8230-51-211-0431 Rev S1 PDRP4240-275-8230-51-211-0432 Rev S1
5	SRU Tail gas from Header to TGTU Reactor Preheater	48	A12A	138	50	CS	XS	42	113.200 M	Unit 211	1200-P-211-3025-A2AP-CT #	PDRP4240-275-8110-25-211-2032 Rev ZX	PDRP4240-275-8230-51-211-0431 Rev S1 PDRP4240-275-8230-51-211-0487+ PDRP4240-275-8230-51-211-0488+
6	SRU Tail gas from Header to TGTU Reactor Preheater	48	A12A	138	50	CS	XS	36	114.700 M to 123.500 M	Unit 089	1200-P-089-1111-A2AP-CT	PRRP4220-271-8110-25-089-0001 Rev Z1X	PDRP0271-52-BGRA-P-089-1111 Rev S1 PDRP0271-52-BGRC-P-089-1111 Rev S1 PDRP0271-52-BGAG-P-089-1111 Rev S1
7	SRU Tail gas from Header to TGTU Incinerator	36	A12A	138	50	CS	XS	12	113.200 M	Unit 211	900-P-211-3026-A2AP-CT #	PDRP4240-275-8110-25-211-2032 Rev ZX	PDRP4240-275-8230-51-211-0432 Rev S1 PDRP4240-275-8230-51-211-0487+
8	SRU Tail gas from Header to TGTU Incinerator	36	A12A	138	50	CS	XS	36	115.250 M	Unit 089	900-P-089-3413-A2AP-CT	PRRP4220-271-8110-25-089-0022 Rev Z1X	PDRP0271-52-BGRB-P-089-3413 Rev S1
9	Tail gas from SRU Unit 086 (to header)	36	A12A	138	50	CS	XS	6	115.400 M	Unit 086	900-P-086-2901-A2AP-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-P-086-2901 Rev S2
10	Tail gas from SRU Unit 086 (to header)	36	A12A	138	60	CS	XS	90	111.700 M	Unit 086	900-P-086-2902-A2AP-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-P-086-2902 Rev S2
11	Tail gas from SRU Unit 086 (to header)	36	A12A	138	50	CS	XS	60	114.500 M	Unit 211	900-P-211-0015-A2AP-CT #	PDRP4240-275-8110-25-211-2030 Rev ZX	PDRP4240-275-8230-51-211-0432 Rev S1 PDRP4240-275-8230-51-211-0489+ PDRP4240-275-8230-51-211-0490+
12	Tail gas from SRU Unit 086 (to header)	36	A12A	138	60	CS	XS	60	114.000 M	Unit 211	900-P-211-0016-A2AP-CT #	PDRP4240-275-8110-25-211-2030 Rev ZX	PDRP4240-275-8230-51-211-0432 Rev S1 PDRP4240-275-8230-51-211-0489+ PDRP4240-275-8230-51-211-0490+
13	Tail Gas from SRU unit 087 (to header)	36	A12A	138	50	CS	XS	6	115.400 M		900-P-087-2901-A2AP-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-P-087-2901 Rev S2
14	Tail Gas from SRU unit 087 (to header)	36	A12A	138	60	CS	XS	90	111.700 M		900-P-087-2902-A2AP-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-P-087-2901 Rev S2
15	Tail Gas from SRU unit 087 (to header)	36	A12A	138	50	CS	XS	60	114.500 M	Unit 211	900-P-211-0021-A2AP-CT #	PDRP4240-275-8110-25-211-2034 Rev ZX	PDRP4240-275-8230-51-211-0430 Rev S1 PDRP4240-275-8230-51-211-0482+ PDRP4240-275-8230-51-211-0483+
16	Tail Gas from SRU unit 087 (to header)	36	A12A	138	60	CS	XS	60	114.000 M	Unit 211	900-P-211-0022-A2AP-CT #	PDRP4240-275-8110-25-211-2034 Rev ZX	PDRP4240-275-8230-51-211-0430 Rev S1 PDRP4240-275-8230-51-211-0482+ PDRP4240-275-8230-51-211-0483+
17	Quench Overhead from TGTU Quench Column to Reactor Preheater	24	A28A	138	50	CS	STD	18	123.500 M	Unit 089	600-P-089-1508-A2AR-CT	PRRP4220-271-8110-25-089-0001 Rev Z1X	PDRP0271-52-BGAG-P-089-1508 Rev S2 (Sheet 1, 2)
18	Nitrogen connection to SRU Tail gas line to reactor preheater	3	A12A	138	30	CS	STD	24	115.000 M	Unit 086	80-N-086-2918-A2AP-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2918 Rev S2
19	Nitrogen connection to SRU Tail gas line to reactor preheater	3	A12A	138	30	CS	STD	24	115.000 M	Unit 087	80-N-087-2918-A2AP-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-086-2918 Rev S2
20	Nitrogen connection to SRU Tail gas line to Incinerator	1	A23A	138	25	CS	XS	3	115.000 M	Unit 086	25-N-086-2201-A1AA-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2201 Rev Z1
21	Nitrogen connection to SRU Tail gas line to Incinerator	1	A23A	138	25	CS	XS	3	115.000 M	Unit 086	25-N-086-2202-A1AA-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2202 Rev Z1



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22	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	3	115.000 M	Unit 086	25-N-086-2203-A1AA-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2203 Rev S2
23	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	3	115.000 M	Unit 086	25-N-086-2204-A1AA-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2204 Rev S2
24	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	6	115.000 M	Unit 086	25-N-086-2205-A1AA-CT	PDRP4220-271-8110-25-086-0016 Rev Z1X	PDRP0271-52-BEAD-N-086-2205 Rev S1
25	Nitrogen connection to SRU Tail gas line to Incinerator	1	A23A	138	25	CS	XS	3	115.000 M	Unit 087	25-N-087-2201-A1AA-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-087-2201 Rev Z1
26	Nitrogen connection to SRU Tail gas line to Incinerator	1	A23A	138	25	CS	XS	3	115.000 M	Unit 087	25-N-087-2202-A1AA-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-087-2202 Rev Z1
27	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	3	115.000 M	Unit 087	25-N-087-2203-A1AA-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-087-2203 Rev S1
28	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	3	115.000 M	Unit 087	25-N-087-2204-A1AA-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-087-2204 Rev S1
29	Nitrogen connection to SRU Tail gas line to reactor preheater	1	A23A	138	25	CS	XS	6	115.000 M	Unit 087	25-N-087-2205-A1AA-CT	PDRP4220-271-8110-25-087-0016 Rev Z1X	PDRP0271-52-BFAD-N-086-2205 Rev S1

Isometrics awaited from Technip/IOCL

* Piping GAs awaited from Technip/IOCL

@ Actual shall be as per the Piping Isometric / GA attached

Reference Grade Elevation 100.0 M