ANNEXE VI

ANNEXE 6

Résultats de simulation 2 (cas de point + incendie)

Zone A:

ID Arc	Longueur	Diamètre	Débit	Vitesse	Pert Charge	Diamètre Exe
	m	mm	LPS	m/s	m/km	mm
Tuyau RA-A	561.00	277.60	119.26	1.97	11.33	315
Tuyau A-A1	94.50	220.40	53.38	1.40	7.86	250
Tuyau A1-A2	57.50	220.40	51.72	1.36	7.42	250
Tuyau A2-A3	62.00	220.40	50.92	1.33	7.21	250
Tuyau A3-A4	46.00	220.40	50.22	1.32	7.02	250
Tuyau A4-A5	290.50	220.40	49.74	1.30	6.90	250
Tuyau A5-A6	32.50	220.40	48.92	1.28	6.69	250
Tuyau A6-A7	34.00	220.40	48.28	1.27	6.53	250
Tuyau A7-A8	31.50	220.40	47.74	1.25	6.40	250
Tuyau A8-A9	96.00	220.40	47.56	1.25	6.35	250
Tuyau A9-A10	64.00	220.40	47.33	1.24	6.29	250
Tuyau A10-A11	36.50	220.40	46.87	1.23	6.18	250
Tuyau A11-A12	53.00	176.20	16.50	0.68	2.66	200
Tuyau A12-A13	110.50	176.20	15.28	0.63	2.31	200
Tuyau A13-A14	31.50	110.20	11.53	1.21	13.47	125
Tuyau A14-A15	67.00	141.00	12.08	0.77	4.42	160
Tuyau A15-A16	75.00	141.00	13.01	0.83	5.07	160
Tuyau A16-A17	50.00	141.00	13.19	0.84	5.20	160
Tuyau A17-A18	50.00	141.00	15.74	1.01	7.21	160
Tuyau A18-A19	160.50	141.00	16.03	1.03	7.47	160
Tuyau A19-A20	31.50	220.40	40.39	1.06	4.69	250
Tuyau A20-A21	49.50	220.40	42.23	1.11	5.10	250
Tuyau A21-A22	52.50	220.40	42.37	1.11	5.13	250
Tuyau A22-A23	50.00	220.40	43.31	1.14	5.34	250
Tuyau A23-A24	15.50	220.40	43.38	1.14	5.36	250
Tuyau A24-A25	161.50	220.40	44.00	1.15	5.50	250
Tuyau A25-A26	312.50	277.60	62.07	1.03	3.38	315
Tuyau A26-A27	46.50	277.60	62.57	1.03	3.43	315
Tuyau A27-A	75.50	277.60	65.64	1.08	3.75	315
Tuyau A13-A28	49.50	110.20	9.94	1.04	10.24	125
Tuyau A28-A29	32.00	110.20	9.42	0.99	9.26	125
Tuyau A29-A30	30.50	110.20	9.01	0.95	8.54	125
Tuyau A30-A31	61.50	141.00	7.50	0.48	1.83	160
Tuyau A31-A32	200.00	110.20	7.13	0.75	5.53	125
Tuyau A32-A33	178.50	110.20	5.51	0.58	3.43	125
Tuyau A33-A34	26.00	110.20	5.22	0.55	3.10	125
Tuyau A34-A35	35.00	110.20	4.13	0.43	2.01	125

Tuyau A35-A36	38.50	110.20	3.02	0.32	1.12	125
Tuyau A36-A37	25.00	110.20	1.91	0.20	0.48	125
Tuyau A37-A38	32.50	110.20	0.82	0.09	0.10	125
Tuyau A38-A39	179.50	141.00	17.07	1.09	8.39	160
Tuyau A39-A40	38.50	141.00	17.38	1.11	8.67	160
Tuyau A40-A41	175.00	141.00	17.68	1.13	8.95	160
Tuyau A41-A42	59.00	141.00	21.55	1.38	12.92	160
Tuyau A42-A43	51.00	141.00	22.18	1.42	13.63	160
Tuyau A43-A44	48.00	141.00	22.81	1.46	14.35	160
Tuyau A44-A45	57.50	176.20	23.43	0.96	5.09	200
Tuyau A45-A19	33.50	176.20	24.04	0.99	5.34	200
Tuyau A11-A46	121.00	176.20	30.07	1.23	8.08	200
Tuyau A46-A47	62.00	220.40	29.81	0.78	2.67	250
Tuyau A47-A48	259.50	110.20	11.15	1.17	12.65	125
Tuyau A48-A49	88.00	110.20	10.31	1.08	10.94	125
Tuyau A49-A50	26.50	110.20	9.95	1.04	10.26	125
Tuyau A50-A51	53.50	110.20	9.84	1.03	10.04	125
Tuyau A51-A52	35.00	79.20	5.29	1.07	15.91	90
Tuyau A52-A53	71.00	79.20	4.75	0.96	13.04	90
Tuyau A53-A54	44.00	79.20	4.26	0.86	10.63	90
Tuyau A54-A55	125.00	79.20	4.02	0.82	9.56	90
Tuyau A55-A56	17.50	110.20	3.82	0.40	1.74	125
Tuyau A56-A57	30.50	110.20	3.42	0.36	1.42	125
Tuyau A57-A58	30.00	110.20	2.84	0.30	1.00	125
Tuyau A58-A59	57.50	110.20	2.71	0.28	0.92	125
Tuyau A59-A60	85.00	110.20	1.49	0.16	0.30	125
Tuyau A60-A61	61.00	110.20	1.28	0.13	0.23	125
Tuyau A61-A62	30.50	110.20	1.15	0.12	0.19	125
Tuyau A62-A63	27.00	110.20	0.02	0.00	0.00	125
Tuyau A63-A64	37.50	110.20	0.51	0.05	0.04	125
Tuyau A64-A65	52.50	34.00	1.12	1.23	55.07	40
Tuyau A65-A30	72.00	34.00	1.29	1.43	72.14	40

Zone B:

ID Arc	Longueur	Diamètre	Débit	Vitesse	Pert Charge	Diamètre Exe
	m	mm	LPS	m/s	m/km	mm
Tuyau PBI-B	148.00	277.60	97.79	1.62	7.84	315
Tuyau B-B1	75.50	220.40	59.76	1.57	9.70	250
Tuyau B1-B2	37.50	220.40	35.46	0.93	3.69	250
Tuyau B2-B26	33.50	220.40	33.71	0.88	3.36	250
Tuyau B26-B14	70.50	220.40	33.39	0.88	3.30	250
Tuyau B14-B13	52.50	220.40	32.44	0.85	3.13	250
Tuyau B13-B12	185.00	220.40	31.37	0.82	2.94	250
Tuyau B12-B11	78.00	110.20	11.09	1.16	12.54	125
Tuyau B11-B10	45.00	110.20	10.35	1.09	11.03	125
Tuyau B10-B9	35.50	110.20	9.38	0.98	9.19	125
Tuyau B9-B8	33.50	110.20	8.25	0.86	7.24	125
Tuyau B8-B7	53.50	110.20	6.77	0.71	5.02	125
Tuyau B7-B6	56.50	79.20	5.97	1.21	19.87	90
Tuyau B6-B5	92.50	79.20	4.19	0.85	10.31	90
Tuyau B5-B24	46.50	79.20	3.29	0.67	6.62	90
Tuyau B24-B23	26.50	79.20	1.71	0.35	1.95	90
Tuyau B23-B22	58.50	110.20	-0.30	0.03	0.02	125
Tuyau B22-B21	58.50	110.20	-2.53	0.27	0.81	125
Tuyau B21-B20	69.50	110.20	-2.93	0.31	1.07	125
Tuyau B20-B19	37.50	141.00	-4.61	0.30	0.74	160
Tuyau B19-B18	251.00	79.20	-5.52	1.12	17.19	90
Tuyau B17-B18	68.00	141.00	10.62	0.68	3.48	160
Tuyau B16-B17	58.50	141.00	12.80	0.82	4.92	160
Tuyau B15-B16	67.00	141.00	15.36	0.98	6.90	160
Tuyau B4-B15	33.00	141.00	17.51	1.12	8.79	160
Tuyau B3-B4	60.00	220.40	36.02	0.94	3.80	250
Tuyau B-B3	178.00	220.40	36.77	0.96	3.94	250
Tuyau B4-B5	330.00	34.00	0.58	0.64	16.31	40
Tuyau RB-PI	57.50	277.60	98.43	1.63	7.94	315

Zone C :

ID Arc	Longueur	Diamètre	Débit	Vitesse	Pert.Charge Unit.
	m	mm	LPS	m/s	m/km
Tuyau PCI-C	88.15	220.4	35.85	0.94	3.76
Tuyau C-C4	56.50	220.4	33.93	0.89	3.40
Tuyau C4-C5	15.50	220.4	33.76	0.88	3.37
Tuyau C5-C13	98	220.4	30.89	0.81	2.86
Tuyau C13-C20	52.5	141	11.80	0.76	4.23
Tuyau C20-C32	55	110.2	8.26	0.87	7.26
Tuyau C32-C34	55	110.2	7.32	0.77	5.80
Tuyau C34-C48	104	79.2	3.60	0.73	7.79
Tuyau C48-C49	113	63.8	3.07	0.96	16.60
Tuyau PCI-C53	129	53.8	1.37	0.60	8.62
Tuyau C53-C52	46	42.6	1.00	0.70	14.95
Tuyau C52-C50	181	34	0.44	0.49	9.95
Tuyau C49-C51	102	34	0.25	0.28	3.44
Tuyau C54-C55	100	34	0.25	0.27	3.32
Tuyau C56-C57	90.5	34	0.22	0.24	2.76
Tuyau C58-C59	77.5	34	0.19	0.21	2.07
Tuyau C56-C58	51.5	34	0.91	1.00	37.50
Tuyau C54-C56	32	34	1.56	1.72	101.71
Tuyau C49-C54	32.5	63.8	2.21	0.69	9.04
Tuyau C58-C60	82	34	0.20	0.22	2.30
Tuyau C34-C35	53.5	63.8	3.20	1.00	17.94
Tuyau C35-C37	48.5	63.8	2.49	0.78	11.33
Tuyau C37-C39	32	63.8	1.85	0.58	6.49
Tuyau C39-C41	13	34	1.28	1.41	71.01
Tuyau C41-C43	23.5	34	0.80	0.88	29.50
Tuyau C43-C44	96.5	34	0.24	0.26	3.10
Tuyau C41-C42	80.5	34	0.20	0.22	2.22
Tuyau C39-C40	92	34	0.23	0.25	2.84
Tuyau C37-C38	92	34	0.23	0.25	2.84
Tuyau C43-C45	21	34	0.22	0.24	2.62
Tuyau C32-C33	136.5	34	0.33	0.37	5.90
Tuyau C20-C21	77	63.8	3.09	0.97	16.84
Tuyau C21-C31	86.50	34	0.21	0.23	2.54
Tuyau C13-C14	54	63.8	2.01	0.63	7.63
Tuyau C14-C15	53	34	0.86	0.94	33.57
Tuyau C15-C16	40.5	34	0.10	0.11	0.62
Tuyau C5-C6	62.50	63.8	2.43	0.76	10.82
Tuyau C6-C7	63	34	0.15	0.17	1.41
Tuyau C23-C24	27.5	34	0.69	0.76	22.69
Tuyau C24-C25	127.5	34	0.31	0.34	5.20

Tuyau C26-C27	76.5	34	0.76	0.84	27.20
Tuyau C27-C28	66.5	34	0.41	0.46	8.72
Tuyau C28-C29	25.5	34	0.06	0.07	0.26
Tuyau C15-C17	81	34	0.33	0.36	5.70
Tuyau C17-C18	26.5	34	0.07	0.07	0.28
Tuyau C14-C19	182.5	34	0.45	0.49	10.10
Tuyau C8-C10	58	34	0.93	1.02	38.92
Tuyau C10-C11	37.5	34	0.09	0.10	0.54
Tuyau C10-C12	122.5	34	0.30	0.33	4.83
Tuyau C1-C2	50	34	0.12	0.14	0.92
Tuyau C-C1	123.50	53.2	1.25	0.56	7.61
Tuyau C1-C3	142.50	34	0.35	0.39	6.39
Tuyau C35-C36	92	34	0.23	0.25	2.84
Tuyau C28-C30	25.5	34	0.06	0.07	0.26
Tuyau C22-C26	44.5	34	1.06	1.17	49.94
Tuyau C45-C46	11	34	0.14	0.15	1.13
Tuyau C6-C8	78.5	53.2	1.78	0.80	14.67
Tuyau C8-C9	105	34	0.26	0.28	3.63
Tuyau C22-C23	25.5	34	0.82	0.91	31.20
Tuyau C21-C22	85.5	63.8	2.27	0.71	9.49
Tuyau C46-C47	22.5	34	0.06	0.06	0.21
Tuyau RC-PCI	116.5	220.4	37.99	1.00	4.19

Zone D :

ID Arc	Longueur	Diamètre	Débit	Vitesse	Pert.Charge	Diamètre Exe
	m	mm	LPS	m/s	m/km	
Tuyau D-D1	217.00	220.40	47.92	1.26	6.44	250
Tuyau D3-D4	33.00	110.20	9.82	1.03	10.01	125
Tuyau D6-D7	27.00	53.60	0.61	0.27	1.98	63
Tuyau D7-D8	77.00	53.60	1.32	0.58	8.13	63
Tuyau D10-D11	48.50	176.20	26.29	1.08	6.30	200
Tuyau D11-D12	45.50	176.20	27.34	1.12	6.78	200
Tuyau D12-D13	27.00	176.20	28.42	1.17	7.28	200
Tuyau D13-D14	60.00	176.20	28.58	1.17	7.36	200
Tuyau D14-D	179.50	176.20	29.01	1.19	7.56	200
Tuyau D10-D9	109.50	176.20	23.48	0.96	5.11	200
Tuyau D9-D8	95.00	176.20	23.11	0.95	4.96	200
Tuyau D6-D5	49.50	34.00	0.12	0.13	0.87	40
Tuyau D4-D5	93.00	34.00	0.63	0.69	19.06	40
Tuyau D1-D2	192.50	220.40	28.19	0.74	2.41	250
Tuyau D2-D3	135.00	220.40	27.60	0.72	2.32	250
Tuyau D4-D16	66.50	110.20	8.41	0.88	7.51	125
Tuyau D16-D17	43.50	110.20	7.73	0.81	6.42	125
Tuyau D17-D18	42.50	110.20	6.97	0.73	5.31	125
Tuyau D18-D19	45.50	110.20	5.97	0.63	3.98	125
Tuyau D19-D20	31.00	96.80	5.49	0.75	6.41	110
Tuyau D20-D21	28.50	96.80	4.38	0.59	4.21	110
Tuyau D21-D22	28.50	63.80	3.12	0.98	17.19	75
Tuyau D22-D23	99.00	42.60	1.74	1.22	41.71	50
Tuyau D23-D24	250.50	34.00	0.49	0.54	12.00	40
Tuyau D24-D25	34.00	53.60	1.00	0.44	4.89	63
Tuyau D25-D26	51.00	53.60	1.49	0.66	10.20	63
Tuyau D26-D27	14.00	63.80	2.22	0.69	9.11	75
Tuyau D27-D28	49.00	79.20	3.20	0.65	6.26	90
Tuyau D28-D29	76.00	79.20	3.42	0.69	7.09	90
Tuyau D29-D8	78.50	176.20	20.89	0.86	4.12	200
Tuyau RD-D	280.00	277.60	77.63	1.28	5.12	315