Use	Name
Yes	QRA Aardgasbuffe

Calculations

Delete temporary calculation files	**Force Calculations**
0 Never	0 No

Enable multithreading for dispersion and toxic calculations	**Level of output for UDM diagnostic files**	**Add time stamp**
1 Yes		1 Yes

Calculation

Message control			Dial
Startup messages	**Display model information messages**	**Display warning messages**	**Significant figures for dialogs & reports**
1 Show equipment and scenario messages	0 No	1 Yes	8

s and messages

logs	Memory and performance
Hide defaulted tabs	**Reduce memory usage in preference to calculation speed**
0 No	1 Yes

Maximum temperature tolerance for automatic adjustment of in
Temperature adjustment tolerance
degC

Database

Store results database in the study file

1 Yes

Initial view for Dispersion graphs		Consequence Data
Initial view time	Use release duration for continuous releases	Consequence data export detail level
s		

Reports and graphs

Graph Colours	Time-varying discharge reports
Graph colours	**Time-varying discharge report columns**
-16776961	1 Yes

		Notes
Dispersion reports		**Invisible**
Dispersion report columns	**Include detailed dispersion records**	**Notes**
1 Yes		

Material

Modelling of mixtures

Use	Name	Multi or pseudo-component modelling
Yes	Study	

Bund, building and terrain

Terrain and bund definition

Type of terrain for dispersion	Type of pool substrate and bunds
Types of terrain for dispersion\Type of terrain for dispersion	Pool substrates and bunds\Type of pool substrate and bund

Toxic parameters	Notes
Indoor toxic calculations	Invisible
Building type (downwind building type)	Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Centrifugaal sep. (2.7m)		
Yes	Study	Centrifugaal sep. (2.7m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
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Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
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Yes	Study	Put A2		
Yes	Study	Put A2		

Yes	Study	Put A2
Yes	Study	Put A2
Yes	Study	Put A2
Yes	Study	Put A2
Yes	Study	Put A2
Yes	Study	Put A3
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Yes	Study	Put A3
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Yes	Study	Put A6
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Yes	Study	Put A6		
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Yes	Study	Put A6		
Yes	Study	Put A7		
Yes	Study	Put A7		
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Yes	Study	Filter sep		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study		BG Leidingen	C1_2-10-170-BG
Yes	Study		BG Leidingen	C1_3-10-170-BG
Yes	Study		BG Leidingen	C1_4-10-170-BG
Yes	Study		BG Leidingen	C1_5-10-170-BG
Yes	Study		BG Leidingen	C1_6-10-170-BG
Yes	Study		BG Leidingen	C1_7-12-65-BG
Yes	Study		BG Leidingen	C1_8-12-65-BG
Yes	Study		BG Leidingen	C2_2-10-170-BG
Yes	Study		BG Leidingen	C2_3-10-170-BG

Yes	Study	BG Leidingen	C2_4-10-170-BG
Yes	Study	BG Leidingen	C2_5-10-170-BG
Yes	Study	BG Leidingen	C2_6-10-170-BG
Yes	Study	BG Leidingen	C2_7-12-65-BG
Yes	Study	BG Leidingen	C2_8-12-65-BG
Yes	Study	BG Leidingen	C3_2-10-170-BG
Yes	Study	BG Leidingen	C3_3-10-170-BG
Yes	Study	BG Leidingen	C3_4-10-170-BG
Yes	Study	BG Leidingen	C3_5-10-170-BG
Yes	Study	BG Leidingen	C3_6-10-170-BG
Yes	Study	BG Leidingen	C3_7-12-65-BG
Yes	Study	BG Leidingen	C3_8-12-65-BG
Yes	Study	BG Leidingen	C4_3-10-170-BG
Yes	Study	BG Leidingen	C4_4-10-170-BG
Yes	Study	BG Leidingen	C4_5-10-170-BG
Yes	Study	BG Leidingen	C4_6-10-170-BG
Yes	Study	BG Leidingen	C4_7-12-65-BG
Yes	Study	BG Leidingen	C4_8-12-65-BG
Yes	Study	BG Leidingen	C5_1-10-170-BG
Yes	Study	BG Leidingen	C5_2-10-170-BG
Yes	Study	BG Leidingen	C6_1-10-170-BG
Yes	Study	BG Leidingen	C6_2-10-170-BG
Yes	Study	BG Leidingen	C5_3-10-170-BG
Yes	Study	BG Leidingen	C5_4-10-170-BG
Yes	Study	BG Leidingen	C5_5-10-170-BG
Yes	Study	BG Leidingen	C5_6-10-170-BG
Yes	Study	BG Leidingen	C5_7-12-65-BG
Yes	Study	BG Leidingen	C5_8-12-65-BG
Yes	Study	BG Leidingen	C6_3-10-170-BG
Yes	Study	BG Leidingen	C6_4-10-170-BG
Yes	Study	BG Leidingen	C6_5-10-170-BG
Yes	Study	BG Leidingen	C6_6-10-170-BG
Yes	Study	BG Leidingen	L1_2-16-170-BG
Yes	Study	BG Leidingen	G2_1-20-65-BG
Yes	Study	BG Leidingen	L5_2-16-170-BG
Yes	Study	BG Leidingen	G3_1-20-65-BG
Yes	Study	BG Leidingen	G3_3-20-65-BG
Yes	Study	BG Leidingen	G4_1-20-65-BG
Yes	Study	BG Leidingen	G4_3-20-65-BG
Yes	Study	BG Leidingen	Gi-20-65-BG
Yes	Study	BG Leidingen	L2_2-16-170-BG
Yes	Study	BG Leidingen	L3_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_4-20-65-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG

Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_2-20-170-BG
Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	straat_I_1-20-65-B
Yes	Study	BG Leidingen	straat_I_3-20-65-B

Yes	Study	BG Leidingen	straat_I_4-20-65-B
Yes	Study	BG Leidingen	straat_I_2-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	OG Leidingen	K_3-30-65-OG
Yes	Study	OG Leidingen	K_4-30-65-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	G2_2-20-65-OG
Yes	Study	OG Leidingen	G3_2-20-65-OG
Yes	Study	OG Leidingen	G4_2-20-65-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	E1_3-20-65-OG
Yes	Study	OG Leidingen	E2_5-20-65-OG
Yes	Study	OG Leidingen	E3_3-20-65-OG
Yes	Study	OG Leidingen	E4_3-20-65-OG
Yes	Study	OG Leidingen	E5_5-20-65-OG
Yes	Study	OG Leidingen	E6_3-20-65-OG
Yes	Study	OG Leidingen	G1_2-20-65-OG
Yes	Study	OG Leidingen	H_1-30-170-OG
Yes	Study	OG Leidingen	H_2-30-65-OG
Yes	Study	OG Leidingen	H_3-30-170-OG
Yes	Study	OG Leidingen	H_4-30-65-OG
Yes	Study	OG Leidingen	H_5-30-170-OG
Yes	Study	OG Leidingen	H_6-30-170-OG
Yes	Study	OG Leidingen	In5_5-16-170-OG
Yes	Study	OG Leidingen	In4_3-16-170-OG
Yes	Study	OG Leidingen	In4_5-16-170-OG
Yes	Study	OG Leidingen	In5_3-16-170-OG
Yes	Study	OG Leidingen	K_1-30-65-OG
Yes	Study	OG Leidingen	T-20-65-OG
Yes	Study	OG Leidingen	K_2-30-65-OG
Yes	Study	OG Leidingen	K_5-30-65-OG
Yes	Study	OG Leidingen	K_6-30-65-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	In1_3-16-170-OG
Yes	Study	OG Leidingen	In3_3-16-170-OG
Yes	Study	OG Leidingen	In3_5-16-170-OG
Yes	Study	OG Leidingen	In2_5-16-170-OG
Yes	Study	OG Leidingen	In1_5-16-170-OG
Yes	Study	OG Leidingen	In2_3-16-170-OG
Yes	Study	Flenzen	straat_I_1-20-65-B
Yes	Study	Flenzen	straat_I_3-20-65-B
Yes	Study	Flenzen	straat_I_4-20-65-B
Yes	Study	Flenzen	straat_I_2-20-65-B

Folder	Name	Material	Specify volume inventory?	Mass inventory
				kg
	Compressor_6030	METHANE	0 No	1000000
	Compressor_6040	METHANE	0 No	1000000
	Compressor_6050	METHANE	0 No	1000000
	Compressor_6060	METHANE	0 No	1000000
	Compressor_6020	METHANE	0 No	1000000
	Compressor_6010	METHANE	0 No	1000000
	filter_81501-6-65-	METHANE	0 No	1000000
	filter_82301-6-65-	METHANE	0 No	1000000
	filter_82201-12-65	METHANE	0 No	1000000
	filter_81201-12-65	METHANE	0 No	1000000
	filter_81301-12-65	METHANE	0 No	1000000
	filter_81401-12-65	METHANE	0 No	1000000
	filter_81101-12-65	METHANE	0 No	1000000
	filter_82101-12-65	METHANE	0 No	1000000
	A1A Vertical tubin	METHANE	1 Yes	72585311,74
	A1A Horizontal tul	METHANE	1 Yes	72585311,74
	A1B Vertical tubin	METHANE	1 Yes	72585311,74
	A1B Horizontal tul	METHANE	1 Yes	72585311,74
	A1A Vertical tubin	METHANE	1 Yes	72585311,74
	A1A Horizontal tul	METHANE	1 Yes	72585311,74
	A1A Other tubing I	METHANE	1 Yes	72585311,74
	A1A Other tubing I	METHANE	1 Yes	72585311,74
	A1A Casing blowou	METHANE	1 Yes	72585311,74
	A1A Casing blowou	METHANE	1 Yes	72585311,74
	A1B Vertical tubin	METHANE	1 Yes	72585311,74
	A1B Horizontal tul	METHANE	1 Yes	72585311,74
	A1B Other tubing I	METHANE	1 Yes	72585311,74
	A1B Other tubing I	METHANE	1 Yes	72585311,74
	A1B Casing blowou	METHANE	1 Yes	72585311,74
	A1B Casing blowou	METHANE	1 Yes	72585311,74
	A2A Vertical tubin	METHANE	1 Yes	72585311,74
	A2A Horizontal tul	METHANE	1 Yes	72585311,74
	A2B Vertical tubin	METHANE	1 Yes	72585311,74
	A2B Horizontal tul	METHANE	1 Yes	72585311,74
	A2A Vertical tubin	METHANE	1 Yes	72585311,74
	A2A Horizontal tul	METHANE	1 Yes	72585311,74
	A2A Other tubing I	METHANE	1 Yes	72585311,74
	A2A Other tubing I	METHANE	1 Yes	72585311,74
	A2A Casing blowou	METHANE	1 Yes	72585311,74
	A2A Casing blowou	METHANE	1 Yes	72585311,74
	A2B Vertical tubin	METHANE	1 Yes	72585311,74

A2B Horizontal tub	METHANE	1 Yes	72585311,74
A2B Other tubing l	METHANE	1 Yes	72585311,74
A2B Other tubing l	METHANE	1 Yes	72585311,74
A2B Casing blowou	METHANE	1 Yes	72585311,74
A2B Casing blowou	METHANE	1 Yes	72585311,74
A3A Vertical tubing	METHANE	1 Yes	77554825,66
A3A Horizontal tub	METHANE	1 Yes	77554825,66
A3B Vertical tubing	METHANE	1 Yes	77554825,66
A3B Horizontal tub	METHANE	1 Yes	77554825,66
A3A Vertical tubing	METHANE	1 Yes	77554825,66
A3A Horizontal tub	METHANE	1 Yes	77554825,66
A3A Other tubing l	METHANE	1 Yes	77554825,66
A3A Other tubing l	METHANE	1 Yes	77554825,66
A3A Casing blowou	METHANE	1 Yes	77554825,66
A3A Casing blowou	METHANE	1 Yes	77554825,66
A3B Vertical tubing	METHANE	1 Yes	77554825,66
A3B Horizontal tub	METHANE	1 Yes	77554825,66
A3B Other tubing l	METHANE	1 Yes	77554825,66
A3B Other tubing l	METHANE	1 Yes	77554825,66
A3B Casing blowou	METHANE	1 Yes	77554825,66
A3B Casing blowou	METHANE	1 Yes	77554825,66
A4A Vertical tubing	METHANE	1 Yes	71243086,12
A4A Horizontal tub	METHANE	1 Yes	71243086,12
A4B Vertical tubing	METHANE	1 Yes	71243086,12
A4B Horizontal tub	METHANE	1 Yes	71243086,12
A4A Vertical tubing	METHANE	1 Yes	71243086,12
A4A Horizontal tub	METHANE	1 Yes	71243086,12
A4A Other tubing l	METHANE	1 Yes	71243086,12
A4A Other tubing l	METHANE	1 Yes	71243086,12
A4A Casing blowou	METHANE	1 Yes	71243086,12
A4A Casing blowou	METHANE	1 Yes	71243086,12
A4B Vertical tubing	METHANE	1 Yes	71243086,12
A4B Horizontal tub	METHANE	1 Yes	71243086,12
A4B Other tubing l	METHANE	1 Yes	71243086,12
A4B Other tubing l	METHANE	1 Yes	71243086,12
A4B Casing blowou	METHANE	1 Yes	71243086,12
A4B Casing blowou	METHANE	1 Yes	71243086,12
A6A Vertical tubing	METHANE	1 Yes	76357765,26
A6A Horizontal tub	METHANE	1 Yes	76357765,26
A6B Vertical tubing	METHANE	1 Yes	76357765,26
A6B Horizontal tub	METHANE	1 Yes	76357765,26
A6A Vertical tubing	METHANE	1 Yes	76357765,26
A6A Horizontal tub	METHANE	1 Yes	76357765,26
A6A Other tubing l	METHANE	1 Yes	76357765,26
A6A Other tubing l	METHANE	1 Yes	76357765,26
A6A Casing blowou	METHANE	1 Yes	76357765,26
A6A Casing blowou	METHANE	1 Yes	76357765,26
A6B Vertical tubing	METHANE	1 Yes	76357765,26
A6B Horizontal tub	METHANE	1 Yes	76357765,26
A6B Other tubing l	METHANE	1 Yes	76357765,26

A6B Other tubing I	METHANE	1 Yes	76357765,26
A6B Casing blowou	METHANE	1 Yes	76357765,26
A6B Casing blowou	METHANE	1 Yes	76357765,26
A7A Vertical tubin	METHANE	1 Yes	116149860,9
A7A Horizontal tub	METHANE	1 Yes	116149860,9
A7B Vertical tubin	METHANE	1 Yes	116149860,9
A7B Horizontal tub	METHANE	1 Yes	116149860,9
A7A Vertical tubin	METHANE	1 Yes	116149860,9
A7A Horizontal tub	METHANE	1 Yes	116149860,9
A7A Other tubing I	METHANE	1 Yes	116149860,9
A7A Other tubing I	METHANE	1 Yes	116149860,9
A7A Casing blowou	METHANE	1 Yes	116149860,9
A7A Casing blowou	METHANE	1 Yes	116149860,9
A7B Vertical tubin	METHANE	1 Yes	116149860,9
A7B Horizontal tub	METHANE	1 Yes	116149860,9
A7B Other tubing I	METHANE	1 Yes	116149860,9
A7B Other tubing I	METHANE	1 Yes	116149860,9
A7B Casing blowou	METHANE	1 Yes	116149860,9
A7B Casing blowou	METHANE	1 Yes	116149860,9
filter_60101-12-65	METHANE	1 Yes	118,2759895
filter_60101-12-65	METHANE	1 Yes	118,2759895
filter_60201-12-65	METHANE	1 Yes	118,2759895
filter_60201-12-65	METHANE	1 Yes	118,2759895
filter_60301-12-65	METHANE	1 Yes	118,2759895
filter_60301-12-65	METHANE	1 Yes	118,2759895
filter_60401-12-65	METHANE	1 Yes	118,2759895
filter_60401-12-65	METHANE	1 Yes	118,2759895
filter_60501-12-65	METHANE	1 Yes	118,2759895
filter_60501-12-65	METHANE	1 Yes	118,2759895
filter_60601-12-65	METHANE	1 Yes	118,2759895
filter_60601-12-65	METHANE	1 Yes	118,2759895
filter_91105-16-17	METHANE	1 Yes	2019,295453
filter_91105-16-17	METHANE	1 Yes	2019,295453
filter_91205-16-17	METHANE	1 Yes	2019,295453
filter_91205-16-17	METHANE	1 Yes	2019,295453
filter_92105-16-17	METHANE	1 Yes	2019,295453
filter_92105-16-17	METHANE	1 Yes	2019,295453
filter_92205-16-17	METHANE	1 Yes	2019,295453
filter_92205-16-17	METHANE	1 Yes	2019,295453
filter_91305-16-17	METHANE	1 Yes	2019,295453
filter_91305-16-17	METHANE	1 Yes	2019,295453
C1_2-10-170-BG B	METHANE	0 No	1000000
C1_3-10-170-BG B	METHANE	0 No	1000000
C1_4-10-170-BG B	METHANE	0 No	1000000
C1_5-10-170-BG B	METHANE	0 No	1000000
C1_6-10-170-BG B	METHANE	0 No	1000000
C1_7-12-65-BG BG	METHANE	0 No	1000000
C1_8-12-65-BG BG	METHANE	0 No	1000000
C2_2-10-170-BG B	METHANE	0 No	1000000
C2_3-10-170-BG B	METHANE	0 No	1000000

C2_4-10-170-BG B	METHANE	0 No	1000000
C2_5-10-170-BG B	METHANE	0 No	1000000
C2_6-10-170-BG B	METHANE	0 No	1000000
C2_7-12-65-BG BG	METHANE	0 No	1000000
C2_8-12-65-BG BG	METHANE	0 No	1000000
C3_2-10-170-BG B	METHANE	0 No	1000000
C3_3-10-170-BG B	METHANE	0 No	1000000
C3_4-10-170-BG B	METHANE	0 No	1000000
C3_5-10-170-BG B	METHANE	0 No	1000000
C3_6-10-170-BG B	METHANE	0 No	1000000
C3_7-12-65-BG BG	METHANE	0 No	1000000
C3_8-12-65-BG BG	METHANE	0 No	1000000
C4_3-10-170-BG B	METHANE	0 No	1000000
C4_4-10-170-BG B	METHANE	0 No	1000000
C4_5-10-170-BG B	METHANE	0 No	1000000
C4_6-10-170-BG B	METHANE	0 No	1000000
C4_7-12-65-BG BG	METHANE	0 No	1000000
C4_8-12-65-BG BG	METHANE	0 No	1000000
C5_1-10-170-BG B	METHANE	0 No	1000000
C5_2-10-170-BG B	METHANE	0 No	1000000
C6_1-10-170-BG B	METHANE	0 No	1000000
C6_2-10-170-BG B	METHANE	0 No	1000000
C5_3-10-170-BG B	METHANE	0 No	1000000
C5_4-10-170-BG B	METHANE	0 No	1000000
C5_5-10-170-BG B	METHANE	0 No	1000000
C5_6-10-170-BG B	METHANE	0 No	1000000
C5_7-12-65-BG BG	METHANE	0 No	1000000
C5_8-12-65-BG BG	METHANE	0 No	1000000
C6_3-10-170-BG B	METHANE	0 No	1000000
C6_4-10-170-BG B	METHANE	0 No	1000000
C6_5-10-170-BG B	METHANE	0 No	1000000
C6_6-10-170-BG B	METHANE	0 No	1000000
L1_2-16-170-BG B	METHANE	0 No	1000000
G2_1-20-65-BG BG	METHANE	0 No	1000000
L5_2-16-170-BG B	METHANE	0 No	1000000
G3_1-20-65-BG BG	METHANE	0 No	1000000
G3_3-20-65-BG BG	METHANE	0 No	1000000
G4_1-20-65-BG BG	METHANE	0 No	1000000
G4_3-20-65-BG BG	METHANE	0 No	1000000
Gi-20-65-BG BG Le	METHANE	0 No	1000000
L2_2-16-170-BG B	METHANE	0 No	1000000
L3_2-16-170-BG B	METHANE	0 No	1000000
L4_2-16-170-BG B	METHANE	0 No	1000000
E1_1-20-170-BG B	METHANE	0 No	1000000
E1_2-20-170-BG B	METHANE	0 No	1000000
E1_4-20-65-BG BG	METHANE	0 No	1000000
E2_1-20-170-BG B	METHANE	0 No	1000000
G2_3-20-65-BG BG	METHANE	0 No	1000000
E2_3-20-170-BG B	METHANE	0 No	1000000
E2_2-20-170-BG B	METHANE	0 No	1000000

E2_6-20-65-BG BG	METHANE	0 No	1000000
E3_1-20-170-BG B	METHANE	0 No	1000000
E3_2-20-170-BG B	METHANE	0 No	1000000
E3_4-20-65-BG BG	METHANE	0 No	1000000
E4_1-20-170-BG B	METHANE	0 No	1000000
E4_2-20-170-BG B	METHANE	0 No	1000000
E4_4-20-65-BG BG	METHANE	0 No	1000000
E5_1-20-170-BG B	METHANE	0 No	1000000
E5_2-20-170-BG B	METHANE	0 No	1000000
E5_3-20-170-BG B	METHANE	0 No	1000000
E5_4-20-170-BG B	METHANE	0 No	1000000
E6_1-20-170-BG B	METHANE	0 No	1000000
E2_4-20-170-BG B	METHANE	0 No	1000000
E6_2-20-170-BG B	METHANE	0 No	1000000
E6_4-20-65-BG BG	METHANE	0 No	1000000
G1_1-20-65-BG BG	METHANE	0 No	1000000
G1_3-20-65-BG BG	METHANE	0 No	1000000
In5_4-16-170-BG E	METHANE	0 No	1000000
In1_2-16-170-BG E	METHANE	0 No	1000000
I_5-20-65-BG BG L	METHANE	0 No	1000000
I_6-20-65-BG BG L	METHANE	0 No	1000000
I_7-20-65-BG BG L	METHANE	0 No	1000000
I_8-20-65-BG BG L	METHANE	0 No	1000000
In5_6-16-170-BG E	METHANE	0 No	1000000
In4_1-16-170-BG E	METHANE	0 No	1000000
In4_2-16-170-BG E	METHANE	0 No	1000000
In4_4-16-170-BG E	METHANE	0 No	1000000
In4_6-16-170-BG E	METHANE	0 No	1000000
In5_1-16-170-BG E	METHANE	0 No	1000000
In5_2-16-170-BG E	METHANE	0 No	1000000
C1_1-10-170-BG B	METHANE	0 No	1000000
In2_1-16-170-BG E	METHANE	0 No	1000000
In2_2-16-170-BG E	METHANE	0 No	1000000
In1_6-16-170-BG E	METHANE	0 No	1000000
E5_6-20-65-BG BG	METHANE	0 No	1000000
C6_8-12-65-BG BG	METHANE	0 No	1000000
C2_1-10-170-BG B	METHANE	0 No	1000000
C3_1-10-170-BG B	METHANE	0 No	1000000
C4_1-10-170-BG B	METHANE	0 No	1000000
C4_2-10-170-BG B	METHANE	0 No	1000000
In3_2-16-170-BG E	METHANE	0 No	1000000
In3_4-16-170-BG E	METHANE	0 No	1000000
In1_4-16-170-BG E	METHANE	0 No	1000000
In3_6-16-170-BG E	METHANE	0 No	1000000
In1_1-16-170-BG E	METHANE	0 No	1000000
In2_6-16-170-BG E	METHANE	0 No	1000000
In3_1-16-170-BG E	METHANE	0 No	1000000
In2_4-16-170-BG E	METHANE	0 No	1000000
straat_I_1-20-65-E	METHANE	0 No	1000000
straat_I_3-20-65-E	METHANE	0 No	1000000

straat_I_4-20-65-E	METHANE	0 No	1000000
straat_I_2-20-65-E	METHANE	0 No	1000000
koppeling-20-65-B	METHANE	0 No	1000000
koppeling2-20-65-	METHANE	0 No	1000000
K_3-30-65-OG OG	METHANE	0 No	1000000
K_4-30-65-OG OG	METHANE	0 No	1000000
A7-16-170-OG OG	METHANE	0 No	1000000
G2_2-20-65-OG O(	METHANE	0 No	1000000
G3_2-20-65-OG O(	METHANE	0 No	1000000
G4_2-20-65-OG O(	METHANE	0 No	1000000
A6-16-170-OG OG	METHANE	0 No	1000000
A4-16-170-OG OG	METHANE	0 No	1000000
A3-16-170-OG OG	METHANE	0 No	1000000
E1_3-20-65-OG O(	METHANE	0 No	1000000
E2_5-20-65-OG O(	METHANE	0 No	1000000
E3_3-20-65-OG O(	METHANE	0 No	1000000
E4_3-20-65-OG O(	METHANE	0 No	1000000
E5_5-20-65-OG O(	METHANE	0 No	1000000
E6_3-20-65-OG O(	METHANE	0 No	1000000
G1_2-20-65-OG O(	METHANE	0 No	1000000
H_1-30-170-OG O(	METHANE	0 No	1000000
H_2-30-65-OG OG	METHANE	0 No	1000000
H_3-30-170-OG O(	METHANE	0 No	1000000
H_4-30-65-OG OG	METHANE	0 No	1000000
H_5-30-170-OG O(	METHANE	0 No	1000000
H_6-30-170-OG O(	METHANE	0 No	1000000
In5_5-16-170-OG (	METHANE	0 No	1000000
In4_3-16-170-OG (	METHANE	0 No	1000000
In4_5-16-170-OG (	METHANE	0 No	1000000
In5_3-16-170-OG (	METHANE	0 No	1000000
K_1-30-65-OG OG	METHANE	0 No	1000000
T-20-65-OG OG Le	METHANE	0 No	1000000
K_2-30-65-OG OG	METHANE	0 No	1000000
K_5-30-65-OG OG	METHANE	0 No	1000000
K_6-30-65-OG OG	METHANE	0 No	1000000
A2-16-170-OG OG	METHANE	0 No	1000000
A1-16-170-OG OG	METHANE	0 No	1000000
In1_3-16-170-OG (	METHANE	0 No	1000000
In3_3-16-170-OG (	METHANE	0 No	1000000
In3_5-16-170-OG (	METHANE	0 No	1000000
In2_5-16-170-OG (	METHANE	0 No	1000000
In1_5-16-170-OG (	METHANE	0 No	1000000
In2_3-16-170-OG (	METHANE	0 No	1000000
straat_I_1-20-65-E	METHANE	0 No	1000000
straat_I_3-20-65-E	METHANE	0 No	1000000
straat_I_4-20-65-E	METHANE	0 No	1000000
straat_I_2-20-65-E	METHANE	0 No	1000000

Material

Volume inventory	Material to track	Type of risk effects to model
m3		
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
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6933,111239	METHANE	1 Flammable only
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631486	METHANE	1 Flammable only
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19446,04319	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
6933,111239	METHANE	1 Flammable only
19446,04319	METHANE	1 Flammable only
19446,04319	METHANE	1 Flammable only
19446,04319	METHANE	1 Flammable only
19446,04319	METHANE	1 Flammable only

Material

Phase			
Specified condition	Temperature	Pressure (gauge)	Liquid mole fraction
	degC	bar	fraction
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
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1 Pressure/temperature	35	170	0
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1 Pressure/temperature	9,8	170	0
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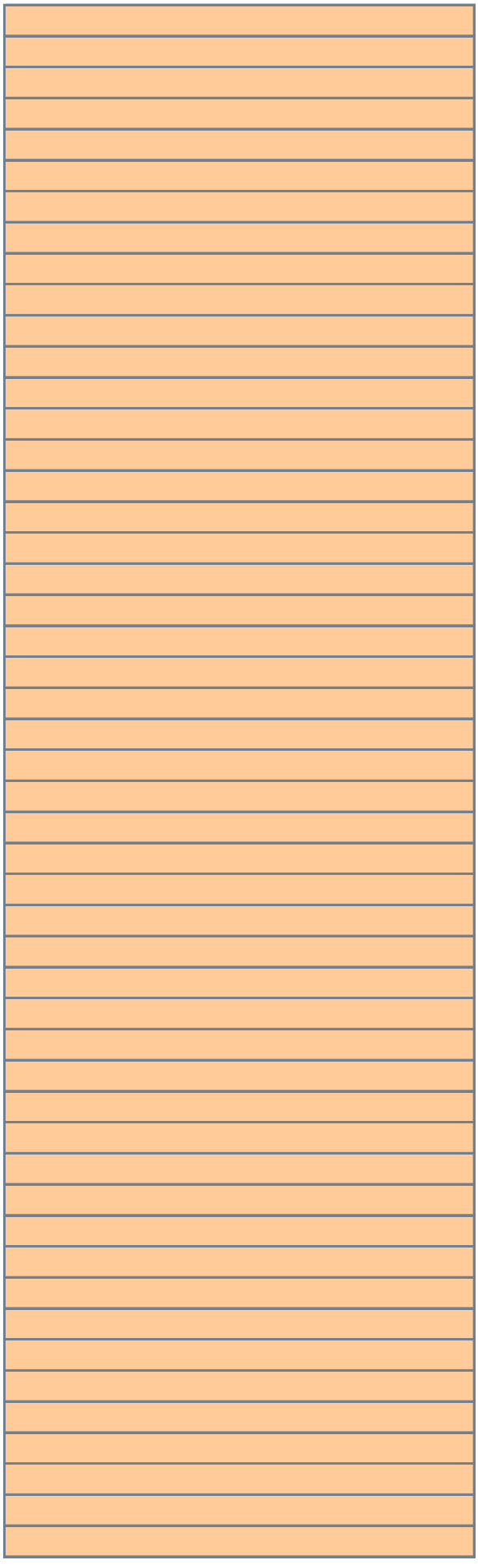
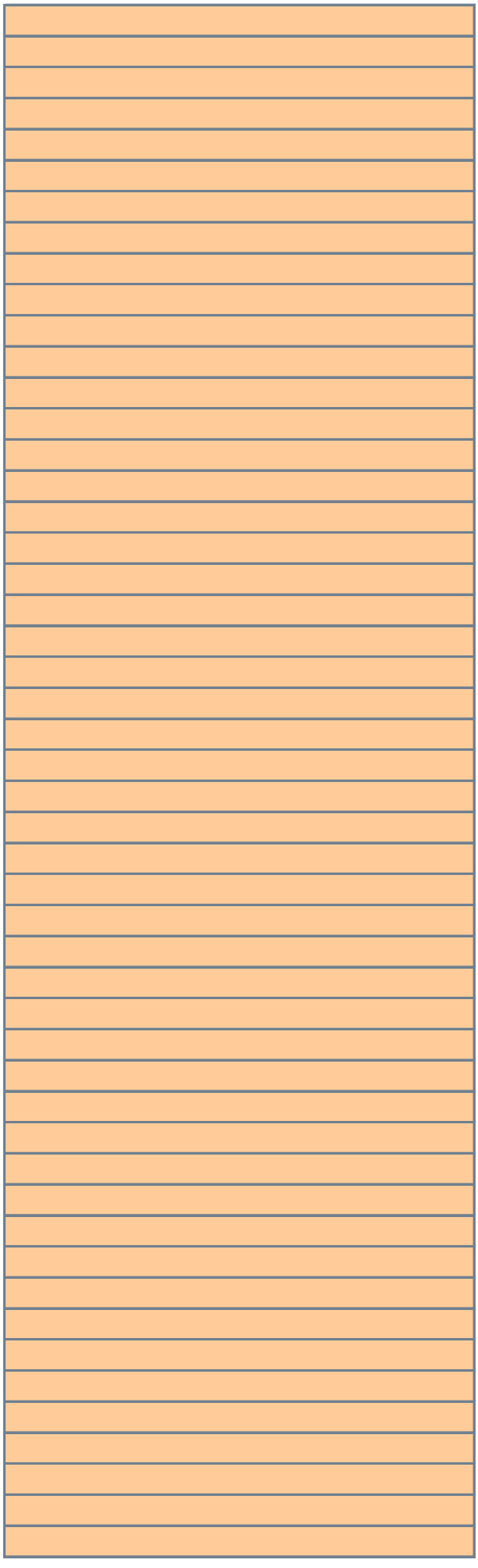
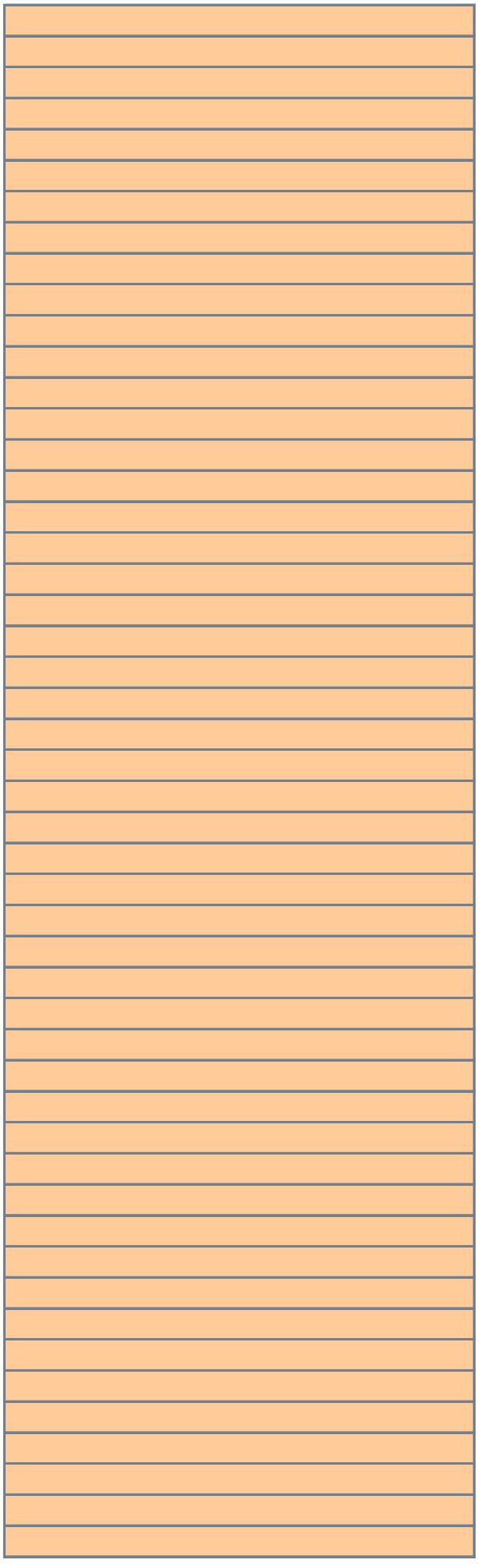
1 Pressure/temperature	9,8	65	0

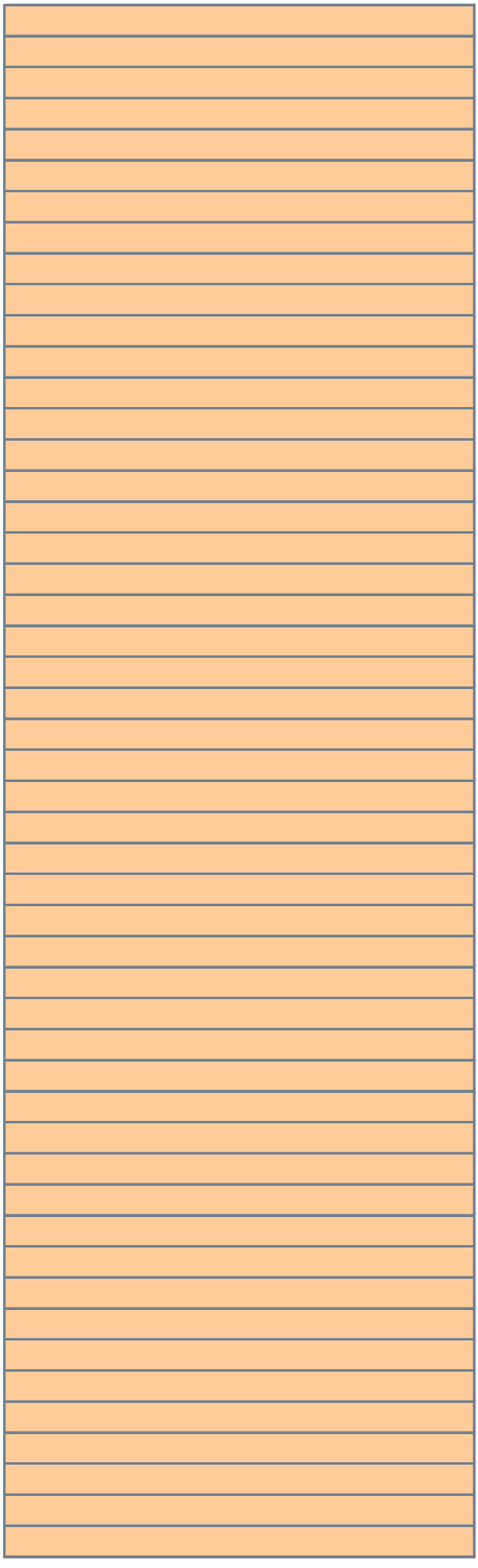
Modelling of mixtures

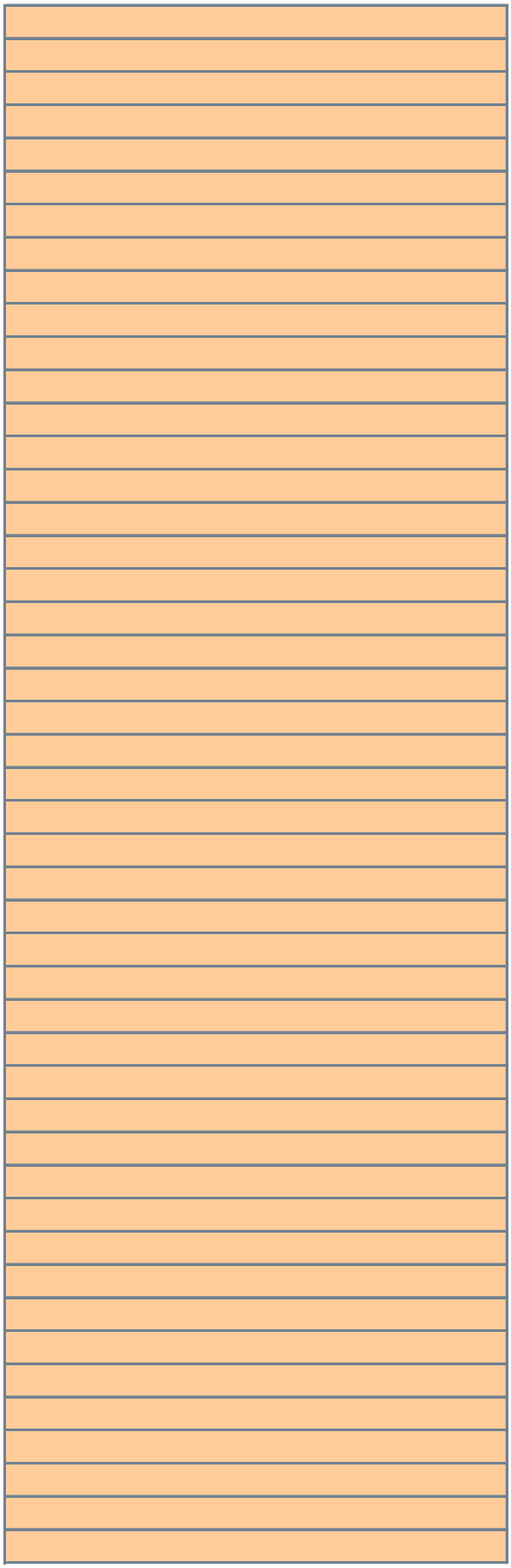
Multi or pseudo-component modelling











Risk

Type of risk effects to model	Immediate ignition
Reduce risks for mounded / underground tanks	Probability of immediate ignition
0 No	1 Specify directly
0 No	1 Specify directly
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		Scer	
probabilities	**Pipe dimensions**	**Release locati**	
Immediate ignition probability	**Pipe length**	**Elevation**	**Tank head**
fraction	m	m	m
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
1	10	1	
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1	1000	0,01	0
1	10	0,01	

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Release height from vessel bottom	Outdoor release direction	Outdoor release angle
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Short pipe	V	
Pipe characteristics	Di	
Pipe roughness	Tank shape	Tank height
mm		m

Vessel

imensions

Tank width	Tank length	Tank diameter
m	m	m

Time varying releases

Safety system modelling for time-varying releases

Safety system modelling (isolation and blowdown)

Safety systems			
Isolation for time-varying releases			Blowdown
Isolation?	Time to isolation	Inventory from neighbouring vessel to be added upon isolation failure	Blowdown?
	s	kg	

for time-varying releases		User-defined dispersion sc	
Time to blowdown actuation	Blowdown diameter	Concentrations of interest	Distances of interest
s	mm	ppm	m

Dispersion

ope (N.B Based on the material to track) lardised toxic thre

Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
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IDLH [30 mins]	STEL [15 mins]	Type of terrain for dispersion
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ınd, building and terrain

und definition	Building definition		
Type of pool substrate and bunds	Release building	In-building release?	East
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567515,82	0 No	0 Point	0 2D	
567533,1267	0 No	0 Point	0 2D	
567518,176	0 No	0 Point	0 2D	
567527,97	0 No	0 Point	0 2D	
567528,508	0 No	0 Point	0 2D	
567520,915	0 No	0 Point	0 2D	
567521,2333	0 No	0 Point	0 2D	
567524,175	0 No	0 Point	0 2D	

567528,5	0 No	0 Point	0 2D	
567517,5	0 No	0 Point	0 2D	
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567452,88	0 No	0 Point	0 2D	
567521,2333	0 No	0 Point	0 2D	
567524,175	0 No	0 Point	0 2D	
567528,5	0 No	0 Point	0 2D	
567517,5	0 No	0 Point	0 2D	

Use	Study	Folder	Route	Scenario group

Folder	**Name**	**Material**	**Specify volume inventory?**	**Mass inventory**
				kg

Material		
Volume inventory	**Material to track**	**Type of risk effects to model**
m3		

Material

Phase			
Specified condition	**Temperature**	**Pressure (gauge)**	**Liquid mole fraction**
	degC	bar	fraction

Modelling of mixtures

Multi or pseudo-component modelling

Risk	
Type of risk effects to model	**Immediate ignition**
Reduce risks for mounded / underground tanks	**Probability of immediate ignition**

	Scer		
probabilities	**Pipe dimensions**	**Release locati**	
Immediate ignition probability	**Pipe length**	**Elevation**	**Tank head**
fraction	m	m	m

nario

on	Direction	
Release height from vessel bottom	**Outdoor release direction**	**Outdoor release angle**
m		deg

Short pipe		
Pipe characteristics		**Di**
Pipe roughness	**Tank shape**	**Tank height**
mm		m

Vessel

imensions			User-defined dispersion sc	
Tank width	Tank length	Tank diameter	Concentrations of interest	Distances of interest
m	m	m	ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thres
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Bu
shold concentrations and averaging		Terrain and bu
IDLH [30 mins]	STEL [15 mins]	Type of terrain for dispersion

nd, building and terrain			
und definition	Building definition		
Type of pool substrate and bunds	Release building	In-building release?	East
			m

Geometry				Notes
Geometry		Invisible		Invisible
North	Apply location offset	Shape	Dimension	Notes
m				

Use	Study	Folder	Route	Scenario group

Material

Material

Folder	Name	Material

Geometry				
Geometry			Invisible	
East	North	Apply location offset	Shape	Dimension
m	m			

Notes

Invisible

Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
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Yes	Study	Compressoren		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
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Yes	Study	Centrifugaal sep. (5.5m)
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Yes	Study		BG Leidingen	C1_5-10-170-BG
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Yes	Study	BG Leidingen	C2_3-10-170-BG
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Yes	Study	BG Leidingen	L3_2-16-170-BG
Yes	Study	BG Leidingen	L3_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_4-20-65-BG
Yes	Study	BG Leidingen	E1_4-20-65-BG
Yes	Study	BG Leidingen	E1_4-20-65-BG

Yes	Study	BG Leidingen	E1_4-20-65-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG
Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_2-20-170-BG

Yes	Study	BG Leidingen	E5_2-20-170-BG
Yes	Study	BG Leidingen	E5_2-20-170-BG
Yes	Study	BG Leidingen	E5_2-20-170-BG
Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG

Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG

Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG

Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	OG Leidingen	K_3-30-65-OG
Yes	Study	OG Leidingen	K_4-30-65-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	G2_2-20-65-OG
Yes	Study	OG Leidingen	G3_2-20-65-OG
Yes	Study	OG Leidingen	G4_2-20-65-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	E1_3-20-65-OG
Yes	Study	OG Leidingen	E2_5-20-65-OG
Yes	Study	OG Leidingen	E3_3-20-65-OG
Yes	Study	OG Leidingen	E4_3-20-65-OG

Yes	Study	OG Leidingen	E5_5-20-65-OG
Yes	Study	OG Leidingen	E6_3-20-65-OG
Yes	Study	OG Leidingen	G1_2-20-65-OG
Yes	Study	OG Leidingen	H_1-30-170-OG
Yes	Study	OG Leidingen	H_2-30-65-OG
Yes	Study	OG Leidingen	H_3-30-170-OG
Yes	Study	OG Leidingen	H_4-30-65-OG
Yes	Study	OG Leidingen	H_5-30-170-OG
Yes	Study	OG Leidingen	H_6-30-170-OG
Yes	Study	OG Leidingen	In5_5-16-170-OG
Yes	Study	OG Leidingen	In4_3-16-170-OG
Yes	Study	OG Leidingen	In4_5-16-170-OG
Yes	Study	OG Leidingen	In5_3-16-170-OG
Yes	Study	OG Leidingen	K_1-30-65-OG
Yes	Study	OG Leidingen	T-20-65-OG
Yes	Study	OG Leidingen	K_2-30-65-OG
Yes	Study	OG Leidingen	K_5-30-65-OG
Yes	Study	OG Leidingen	K_6-30-65-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	In1_3-16-170-OG
Yes	Study	OG Leidingen	In3_3-16-170-OG
Yes	Study	OG Leidingen	In3_5-16-170-OG
Yes	Study	OG Leidingen	In2_5-16-170-OG
Yes	Study	OG Leidingen	In1_5-16-170-OG
Yes	Study	OG Leidingen	In2_3-16-170-OG

		Material		
Folder	Name	Material	Material to track	Type of risk effects to model
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline Com	METHANE	METHANE	1 Flammable only
	Long Pipeline C1_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C1_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C1_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C1_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C2-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C2-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C2-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C2-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C3_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C3_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C3_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C3_E	METHANE	METHANE	1 Flammable only
	Long Pipeline C4-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C4-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C4-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C4-E	METHANE	METHANE	1 Flammable only
	Long Pipeline C5_E	METHANE	METHANE	1 Flammable only

Long Pipeline C5_E	METHANE	METHANE	1 Flammable only
Long Pipeline C5_E	METHANE	METHANE	1 Flammable only
Long Pipeline C5_E	METHANE	METHANE	1 Flammable only
Long Pipeline C6_E	METHANE	METHANE	1 Flammable only
Long Pipeline C6_E	METHANE	METHANE	1 Flammable only
Long Pipeline C6_E	METHANE	METHANE	1 Flammable only
Long Pipeline C6_E	METHANE	METHANE	1 Flammable only
Long Pipeline E1-V	METHANE	METHANE	1 Flammable only
Long Pipeline E1-V	METHANE	METHANE	1 Flammable only
Long Pipeline E1-V	METHANE	METHANE	1 Flammable only
Long Pipeline E1-V	METHANE	METHANE	1 Flammable only
Long Pipeline E2-V	METHANE	METHANE	1 Flammable only
Long Pipeline E2-V	METHANE	METHANE	1 Flammable only
Long Pipeline E2-V	METHANE	METHANE	1 Flammable only
Long Pipeline E2-V	METHANE	METHANE	1 Flammable only
Long Pipeline E3-V	METHANE	METHANE	1 Flammable only
Long Pipeline E3-V	METHANE	METHANE	1 Flammable only
Long Pipeline E3-V	METHANE	METHANE	1 Flammable only
Long Pipeline E3-V	METHANE	METHANE	1 Flammable only
Long Pipeline E4-V	METHANE	METHANE	1 Flammable only
Long Pipeline E4-V	METHANE	METHANE	1 Flammable only
Long Pipeline E4-V	METHANE	METHANE	1 Flammable only
Long Pipeline E4-V	METHANE	METHANE	1 Flammable only
Long Pipeline E5-V	METHANE	METHANE	1 Flammable only
Long Pipeline E5-V	METHANE	METHANE	1 Flammable only
Long Pipeline E5-V	METHANE	METHANE	1 Flammable only
Long Pipeline E5-V	METHANE	METHANE	1 Flammable only
Long Pipeline E6-V	METHANE	METHANE	1 Flammable only
Long Pipeline E6-V	METHANE	METHANE	1 Flammable only
Long Pipeline E6-V	METHANE	METHANE	1 Flammable only
Long Pipeline E6-V	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
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Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline filter	METHANE	METHANE	1 Flammable only
Long Pipeline A1A	METHANE	METHANE	1 Flammable only
Long Pipeline A1A	METHANE	METHANE	1 Flammable only
Long Pipeline A1B	METHANE	METHANE	1 Flammable only
Long Pipeline A1B	METHANE	METHANE	1 Flammable only
Long Pipeline A2A	METHANE	METHANE	1 Flammable only
Long Pipeline A2A	METHANE	METHANE	1 Flammable only
Long Pipeline A2B	METHANE	METHANE	1 Flammable only
Long Pipeline A2B	METHANE	METHANE	1 Flammable only
Long Pipeline A3A	METHANE	METHANE	1 Flammable only
Long Pipeline A3A	METHANE	METHANE	1 Flammable only
Long Pipeline A3B	METHANE	METHANE	1 Flammable only
Long Pipeline A3B	METHANE	METHANE	1 Flammable only
Long Pipeline A4A	METHANE	METHANE	1 Flammable only
Long Pipeline A4A	METHANE	METHANE	1 Flammable only
Long Pipeline A4B	METHANE	METHANE	1 Flammable only
Long Pipeline A4B	METHANE	METHANE	1 Flammable only
Long Pipeline A6A	METHANE	METHANE	1 Flammable only
Long Pipeline A6A	METHANE	METHANE	1 Flammable only
Long Pipeline A6B	METHANE	METHANE	1 Flammable only
Long Pipeline A6B	METHANE	METHANE	1 Flammable only
Long Pipeline A7A	METHANE	METHANE	1 Flammable only
Long Pipeline A7A	METHANE	METHANE	1 Flammable only
Long Pipeline A7B	METHANE	METHANE	1 Flammable only
Long Pipeline A7B	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_2	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_2	METHANE	METHANE	1 Flammable only
Long Pipeline C1_2	METHANE	METHANE	1 Flammable only
Long Pipeline C1_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_3	METHANE	METHANE	1 Flammable only
Long Pipeline C1_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_4	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_5	METHANE	METHANE	1 Flammable only
Long Pipeline C1_5	METHANE	METHANE	1 Flammable only
Long Pipeline C1_5	METHANE	METHANE	1 Flammable only
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Long Pipeline C1_6	METHANE	METHANE	1 Flammable only
Long Pipeline C1_6	METHANE	METHANE	1 Flammable only
Long Pipeline C1_6	METHANE	METHANE	1 Flammable only

Long Pipeline C1_6	METHANE	METHANE	1 Flammable only
Long Pipeline C1_7	METHANE	METHANE	1 Flammable only
Long Pipeline C1_7	METHANE	METHANE	1 Flammable only
Long Pipeline C1_7	METHANE	METHANE	1 Flammable only
Long Pipeline C1_7	METHANE	METHANE	1 Flammable only
Long Pipeline C1_8	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_3	METHANE	METHANE	1 Flammable only
Long Pipeline C3_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_4	METHANE	METHANE	1 Flammable only
Long Pipeline C3_4	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_4	METHANE	METHANE	1 Flammable only
Long Pipeline C3_5	METHANE	METHANE	1 Flammable only

Long Pipeline C3_5	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_5	METHANE	METHANE	1 Flammable only
Long Pipeline C3_6	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_6	METHANE	METHANE	1 Flammable only
Long Pipeline C3_6	METHANE	METHANE	1 Flammable only
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Long Pipeline C3_8	METHANE	METHANE	1 Flammable only
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Long Pipeline C4_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C4_8	METHANE	METHANE	1 Flammable only
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Long Pipeline C5_2	METHANE	METHANE	1 Flammable only
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Long Pipeline C5_2	METHANE	METHANE	1 Flammable only
Long Pipeline C5_2	METHANE	METHANE	1 Flammable only
Long Pipeline C6_1	METHANE	METHANE	1 Flammable only
Long Pipeline C6_1	METHANE	METHANE	1 Flammable only
Long Pipeline C6_1	METHANE	METHANE	1 Flammable only

Long Pipeline C6_1	METHANE	METHANE	1 Flammable only
Long Pipeline C6_2	METHANE	METHANE	1 Flammable only
Long Pipeline C6_2	METHANE	METHANE	1 Flammable only
Long Pipeline C6_2	METHANE	METHANE	1 Flammable only
Long Pipeline C6_2	METHANE	METHANE	1 Flammable only
Long Pipeline C5_3	METHANE	METHANE	1 Flammable only
Long Pipeline C5_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C5_3	METHANE	METHANE	1 Flammable only
Long Pipeline C5_4	METHANE	METHANE	1 Flammable only
Long Pipeline C5_4	METHANE	METHANE	1 Flammable only
Long Pipeline C5_4	METHANE	METHANE	1 Flammable only
Long Pipeline C5_4	METHANE	METHANE	1 Flammable only
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Long Pipeline C5_6	METHANE	METHANE	1 Flammable only
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Long Pipeline C5_7	METHANE	METHANE	1 Flammable only
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Long Pipeline C6_3	METHANE	METHANE	1 Flammable only
Long Pipeline C6_3	METHANE	METHANE	1 Flammable only
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Long Pipeline C6_3	METHANE	METHANE	1 Flammable only
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Long Pipeline L1_2	METHANE	METHANE	1 Flammable only
Long Pipeline L1_2	METHANE	METHANE	1 Flammable only
Long Pipeline G2_1	METHANE	METHANE	1 Flammable only

Long Pipeline G2_1	METHANE	METHANE	1 Flammable only
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Long Pipeline G2_1	METHANE	METHANE	1 Flammable only
Long Pipeline L5_2	METHANE	METHANE	1 Flammable only
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Long Pipeline L5_2	METHANE	METHANE	1 Flammable only
Long Pipeline G3_1	METHANE	METHANE	1 Flammable only
Long Pipeline G3_1	METHANE	METHANE	1 Flammable only
Long Pipeline G3_1	METHANE	METHANE	1 Flammable only
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Long Pipeline G3_3	METHANE	METHANE	1 Flammable only
Long Pipeline G3_3	METHANE	METHANE	1 Flammable only
Long Pipeline G3_3	METHANE	METHANE	1 Flammable only
Long Pipeline G4_1	METHANE	METHANE	1 Flammable only
Long Pipeline G4_1	METHANE	METHANE	1 Flammable only
Long Pipeline G4_1	METHANE	METHANE	1 Flammable only
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Long Pipeline G4_3	METHANE	METHANE	1 Flammable only
Long Pipeline G4_3	METHANE	METHANE	1 Flammable only
Long Pipeline G4_3	METHANE	METHANE	1 Flammable only
Long Pipeline Gi-2(	METHANE	METHANE	1 Flammable only
Long Pipeline Gi-2(	METHANE	METHANE	1 Flammable only
Long Pipeline Gi-2(	METHANE	METHANE	1 Flammable only
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Long Pipeline E1_2	METHANE	METHANE	1 Flammable only
Long Pipeline E1_2	METHANE	METHANE	1 Flammable only
Long Pipeline E1_4	METHANE	METHANE	1 Flammable only
Long Pipeline E1_4	METHANE	METHANE	1 Flammable only
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Long Pipeline E1_4	METHANE	METHANE	1 Flammable only
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Long Pipeline E2_1	METHANE	METHANE	1 Flammable only
Long Pipeline E2_1	METHANE	METHANE	1 Flammable only
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Long Pipeline G2_3	METHANE	METHANE	1 Flammable only
Long Pipeline G2_3	METHANE	METHANE	1 Flammable only
Long Pipeline G2_3	METHANE	METHANE	1 Flammable only
Long Pipeline G2_3	METHANE	METHANE	1 Flammable only
Long Pipeline E2_3	METHANE	METHANE	1 Flammable only
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Long Pipeline E2_3	METHANE	METHANE	1 Flammable only
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Long Pipeline E4_4	METHANE	METHANE	1 Flammable only
Long Pipeline E4_4	METHANE	METHANE	1 Flammable only
Long Pipeline E4_4	METHANE	METHANE	1 Flammable only
Long Pipeline E5_1	METHANE	METHANE	1 Flammable only
Long Pipeline E5_1	METHANE	METHANE	1 Flammable only
Long Pipeline E5_1	METHANE	METHANE	1 Flammable only
Long Pipeline E5_1	METHANE	METHANE	1 Flammable only
Long Pipeline E5_2	METHANE	METHANE	1 Flammable only

Long Pipeline E5_2	METHANE	METHANE	1 Flammable only
Long Pipeline E5_2	METHANE	METHANE	1 Flammable only
Long Pipeline E5_2	METHANE	METHANE	1 Flammable only
Long Pipeline E5_3	METHANE	METHANE	1 Flammable only
Long Pipeline E5_3	METHANE	METHANE	1 Flammable only
Long Pipeline E5_3	METHANE	METHANE	1 Flammable only
Long Pipeline E5_3	METHANE	METHANE	1 Flammable only
Long Pipeline E5_4	METHANE	METHANE	1 Flammable only
Long Pipeline E5_4	METHANE	METHANE	1 Flammable only
Long Pipeline E5_4	METHANE	METHANE	1 Flammable only
Long Pipeline E5_4	METHANE	METHANE	1 Flammable only
Long Pipeline E6_1	METHANE	METHANE	1 Flammable only
Long Pipeline E6_1	METHANE	METHANE	1 Flammable only
Long Pipeline E6_1	METHANE	METHANE	1 Flammable only
Long Pipeline E6_1	METHANE	METHANE	1 Flammable only
Long Pipeline E2_4	METHANE	METHANE	1 Flammable only
Long Pipeline E2_4	METHANE	METHANE	1 Flammable only
Long Pipeline E2_4	METHANE	METHANE	1 Flammable only
Long Pipeline E2_4	METHANE	METHANE	1 Flammable only
Long Pipeline E6_2	METHANE	METHANE	1 Flammable only
Long Pipeline E6_2	METHANE	METHANE	1 Flammable only
Long Pipeline E6_2	METHANE	METHANE	1 Flammable only
Long Pipeline E6_2	METHANE	METHANE	1 Flammable only
Long Pipeline E6_4	METHANE	METHANE	1 Flammable only
Long Pipeline E6_4	METHANE	METHANE	1 Flammable only
Long Pipeline E6_4	METHANE	METHANE	1 Flammable only
Long Pipeline E6_4	METHANE	METHANE	1 Flammable only
Long Pipeline G1_1	METHANE	METHANE	1 Flammable only
Long Pipeline G1_1	METHANE	METHANE	1 Flammable only
Long Pipeline G1_1	METHANE	METHANE	1 Flammable only
Long Pipeline G1_1	METHANE	METHANE	1 Flammable only
Long Pipeline G1_3	METHANE	METHANE	1 Flammable only
Long Pipeline G1_3	METHANE	METHANE	1 Flammable only
Long Pipeline G1_3	METHANE	METHANE	1 Flammable only
Long Pipeline G1_3	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline I_5-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_5-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_5-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_5-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_6-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_6-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_6-2	METHANE	METHANE	1 Flammable only

Long Pipeline I_6-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_7-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_7-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_7-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_7-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_8-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_8-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_8-2	METHANE	METHANE	1 Flammable only
Long Pipeline I_8-2	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline C1_1	METHANE	METHANE	1 Flammable only
Long Pipeline C1_1	METHANE	METHANE	1 Flammable only
Long Pipeline C1_1	METHANE	METHANE	1 Flammable only
Long Pipeline C1_1	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only

Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline E5_6	METHANE	METHANE	1 Flammable only
Long Pipeline E5_6	METHANE	METHANE	1 Flammable only
Long Pipeline E5_6	METHANE	METHANE	1 Flammable only
Long Pipeline E5_6	METHANE	METHANE	1 Flammable only
Long Pipeline C6_8	METHANE	METHANE	1 Flammable only
Long Pipeline C6_8	METHANE	METHANE	1 Flammable only
Long Pipeline C6_8	METHANE	METHANE	1 Flammable only
Long Pipeline C6_8	METHANE	METHANE	1 Flammable only
Long Pipeline C2_1	METHANE	METHANE	1 Flammable only
Long Pipeline C2_1	METHANE	METHANE	1 Flammable only
Long Pipeline C2_1	METHANE	METHANE	1 Flammable only
Long Pipeline C2_1	METHANE	METHANE	1 Flammable only
Long Pipeline C3_1	METHANE	METHANE	1 Flammable only
Long Pipeline C3_1	METHANE	METHANE	1 Flammable only
Long Pipeline C3_1	METHANE	METHANE	1 Flammable only
Long Pipeline C3_1	METHANE	METHANE	1 Flammable only
Long Pipeline C4_1	METHANE	METHANE	1 Flammable only
Long Pipeline C4_1	METHANE	METHANE	1 Flammable only
Long Pipeline C4_1	METHANE	METHANE	1 Flammable only
Long Pipeline C4_1	METHANE	METHANE	1 Flammable only
Long Pipeline C4_2	METHANE	METHANE	1 Flammable only
Long Pipeline C4_2	METHANE	METHANE	1 Flammable only
Long Pipeline C4_2	METHANE	METHANE	1 Flammable only
Long Pipeline C4_2	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only

Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline straa	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline kopp	METHANE	METHANE	1 Flammable only
Long Pipeline K_3-	METHANE	METHANE	1 Flammable only
Long Pipeline K_4-	METHANE	METHANE	1 Flammable only
Long Pipeline A7-1	METHANE	METHANE	1 Flammable only
Long Pipeline A7-1	METHANE	METHANE	1 Flammable only
Long Pipeline G2_	METHANE	METHANE	1 Flammable only
Long Pipeline G3_	METHANE	METHANE	1 Flammable only
Long Pipeline G4_	METHANE	METHANE	1 Flammable only
Long Pipeline A6-1	METHANE	METHANE	1 Flammable only
Long Pipeline A6-1	METHANE	METHANE	1 Flammable only
Long Pipeline A4-1	METHANE	METHANE	1 Flammable only
Long Pipeline A4-1	METHANE	METHANE	1 Flammable only
Long Pipeline A3-1	METHANE	METHANE	1 Flammable only
Long Pipeline A3-1	METHANE	METHANE	1 Flammable only
Long Pipeline E1_3	METHANE	METHANE	1 Flammable only
Long Pipeline E2_5	METHANE	METHANE	1 Flammable only
Long Pipeline E3_3	METHANE	METHANE	1 Flammable only
Long Pipeline E4_3	METHANE	METHANE	1 Flammable only

Long Pipeline E5_5	METHANE	METHANE	1 Flammable only
Long Pipeline E6_3	METHANE	METHANE	1 Flammable only
Long Pipeline G1_2	METHANE	METHANE	1 Flammable only
Long Pipeline H_1-	METHANE	METHANE	1 Flammable only
Long Pipeline H_2-	METHANE	METHANE	1 Flammable only
Long Pipeline H_3-	METHANE	METHANE	1 Flammable only
Long Pipeline H_4-	METHANE	METHANE	1 Flammable only
Long Pipeline H_5-	METHANE	METHANE	1 Flammable only
Long Pipeline H_6-	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In4_	METHANE	METHANE	1 Flammable only
Long Pipeline In5_	METHANE	METHANE	1 Flammable only
Long Pipeline K_1-	METHANE	METHANE	1 Flammable only
Long Pipeline T-20	METHANE	METHANE	1 Flammable only
Long Pipeline K_2-	METHANE	METHANE	1 Flammable only
Long Pipeline K_5-	METHANE	METHANE	1 Flammable only
Long Pipeline K_6-	METHANE	METHANE	1 Flammable only
Long Pipeline A2-1	METHANE	METHANE	1 Flammable only
Long Pipeline A2-1	METHANE	METHANE	1 Flammable only
Long Pipeline A1-1	METHANE	METHANE	1 Flammable only
Long Pipeline A1-1	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In3_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only
Long Pipeline In1_	METHANE	METHANE	1 Flammable only
Long Pipeline In2_	METHANE	METHANE	1 Flammable only

Material

Phase			
Specified condition	**Temperature**	**Pressure (gauge)**	**Liquid mole fraction**
	degC	bar	fraction
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
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1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
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1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	35	170	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
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1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	65	0
1 Pressure/temperature	9,8	170	0
1 Pressure/temperature	9,8	170	0
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1 Pressure/temperature	9,8	170	0
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Failure frequencies

Failure frequency model	Failure frequency specified	Failure frequency	Supplied length
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probabilities	Pipe dimensions			
Immediate ignition probability	Supply pipeline length longer than drawn on GIS	Entire pipeline length	Length upstream of first geometry point	Pipe internal diameter
fraction		m	m	mm
1	1 Yes	32000	0	914,4
1	1 Yes	32000	0	914,4
1	1 Yes	32000	0	991
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Valves				
Number of valves	**Valve type**	**Valve distance from upstream end of pipeline**	**Valve closing time**	**Valve excess flow**
		m	s	kg/s

	peline surrounding characteristics and crater modelli		
Probability of failure on demand	**Pipeline surrounding**	**Depth of soil cover**	**Soil cover type**
fraction		m	

	1 Buried	1	3 Sandy
	1 Buried	1	3 Sandy
	1 Buried	2	3 Sandy
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Long pipe

Number of user defined pipeline sections	Failure frequency model	Failure frequency specified	Failure frequency
			/AvgeYear

Variations from default

Supplied length	Section start distance	Section end distance	Pipe internal diameter	Pipe wall thickness
m	m	m	mm	mm

Section height	Section surrounding	Depth of soil cover	Soil cover type
m		m	

Time varying releases

Time averaging

Method for calculating average rate	Expected number of average rates	Time at which release rate is calculated	First time value for rate between two times
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Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
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258810,28	567397,59	0 No	0 Point	0 2D
258810,28	567397,59	0 No	0 Point	0 2D
258810,28	567397,59	0 No	0 Point	0 2D
258810,28	567397,59	0 No	0 Point	0 2D
258799,3	567378,67	0 No	0 Point	0 2D
258799,3	567378,67	0 No	0 Point	0 2D
258799,3	567378,67	0 No	0 Point	0 2D
258799,3	567378,67	0 No	0 Point	0 2D
258788,26	567359,83	0 No	0 Point	0 2D
258788,26	567359,83	0 No	0 Point	0 2D
258788,26	567359,83	0 No	0 Point	0 2D
258788,26	567359,83	0 No	0 Point	0 2D
258777,28	567340,91	0 No	0 Point	0 2D
258777,28	567340,91	0 No	0 Point	0 2D
258777,28	567340,91	0 No	0 Point	0 2D
258777,28	567340,91	0 No	0 Point	0 2D
258821,2	567416,4	0 No	0 Point	0 2D
258821,2	567416,4	0 No	0 Point	0 2D
258821,2	567416,4	0 No	0 Point	0 2D
258821,2	567416,4	0 No	0 Point	0 2D
258832,27	567435,22	0 No	0 Point	0 2D
258832,27	567435,22	0 No	0 Point	0 2D
258832,27	567435,22	0 No	0 Point	0 2D
258832,27	567435,22	0 No	0 Point	0 2D
258812	567447	0 No	0 Point	0 2D
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Notes

Invisible

Notes

				Ware
				Wa
Use	Study	Folder	Name	Warehouse material

house materials		Risk	Buil	
rehouse materials		Risk	Building	
Stored mass	Active mass fraction	Event frequency	Warehouse building	Warehouse is part of a larger building
kg	fraction	/AvgeYear		

ding

Warehouse		Fire scenarios	
Warehouse area	Warehouse height	Scenario type	Storage type
m2	m		

ADR class 3 liquids		
Reaction rate calculation	**Mass fraction**	**Specified reaction rate**
	fraction	kg/m2.s

Fire scenarios

PGS-15 scenarios
Fire-fighting system

	User-defined scenarios			
Method of setting likelihood of doors being open	**Name**	**Fire surface area**	**Ventilation rate option**	**Air change**
		m2		/hr

		User-defined dispersion scope (N.B Base		
Fire duration	**Probability**	**Concentrations of interest**	**Distances of interest**	**Averaging time for concentrations and distances of interest**
s	fraction	ppm	m	

Dispersion

d on the material to track)		lardised toxic threshold concentratic	
Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
	s		

	Notes
ons and averaging	Invisible
STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

Folder	**Pressure vessel**	**Folder**	**Atmospheric storage tank**	**Folder**

	Scenario		
	Release location		Fireball emi
Name	Elevation	Tank head	Use vessel burst pressure
	m	m	

ssive power	**Event frequency**
Vessel burst pressure - gauge	**Event frequency**
bar	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Type of risk effects to model	Immediate ignition
Reduce risks for mounded / underground tanks	Probability of immediate ignition

	Material	
probabilities	**Material**	
Immediate ignition probability	**Material to track**	**Type of risk effects to model**
fraction		

User-defined dispersion scope (N.B Based on the mat			
Concentrations of interest	**Distances of interest**	**Averaging time for concentrations and distances of interest**	**Specify user-defined averaging time**
ppm	m		

Dispersion

erial to track)	lardised toxic threshold concentratio	
User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
s		

	Notes
ons and averaging	Invisible
STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Centrifugaal sep. (2.7m)		
Yes	Study	Centrifugaal sep. (2.7m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Centrifugaal sep. (5.5m)		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A2		
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Yes	Study	Filter sep		
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Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Vloeistofvangers		
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Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study		BG Leidingen	C1_2-10-170-BG
Yes	Study		BG Leidingen	C1_3-10-170-BG
Yes	Study		BG Leidingen	C1_4-10-170-BG
Yes	Study		BG Leidingen	C1_5-10-170-BG
Yes	Study		BG Leidingen	C1_6-10-170-BG
Yes	Study		BG Leidingen	C1_7-12-65-BG
Yes	Study		BG Leidingen	C1_8-12-65-BG
Yes	Study		BG Leidingen	C2_2-10-170-BG
Yes	Study		BG Leidingen	C2_3-10-170-BG
Yes	Study		BG Leidingen	C2_4-10-170-BG
Yes	Study		BG Leidingen	C2_5-10-170-BG
Yes	Study		BG Leidingen	C2_6-10-170-BG
Yes	Study		BG Leidingen	C2_7-12-65-BG
Yes	Study		BG Leidingen	C2_8-12-65-BG
Yes	Study		BG Leidingen	C3_2-10-170-BG
Yes	Study		BG Leidingen	C3_3-10-170-BG
Yes	Study		BG Leidingen	C3_4-10-170-BG
Yes	Study		BG Leidingen	C3_5-10-170-BG

Yes	Study	BG Leidingen	C3_6-10-170-BG
Yes	Study	BG Leidingen	C3_7-12-65-BG
Yes	Study	BG Leidingen	C3_8-12-65-BG
Yes	Study	BG Leidingen	C4_3-10-170-BG
Yes	Study	BG Leidingen	C4_4-10-170-BG
Yes	Study	BG Leidingen	C4_5-10-170-BG
Yes	Study	BG Leidingen	C4_6-10-170-BG
Yes	Study	BG Leidingen	C4_7-12-65-BG
Yes	Study	BG Leidingen	C4_8-12-65-BG
Yes	Study	BG Leidingen	C5_1-10-170-BG
Yes	Study	BG Leidingen	C5_2-10-170-BG
Yes	Study	BG Leidingen	C6_1-10-170-BG
Yes	Study	BG Leidingen	C6_2-10-170-BG
Yes	Study	BG Leidingen	C5_3-10-170-BG
Yes	Study	BG Leidingen	C5_4-10-170-BG
Yes	Study	BG Leidingen	C5_5-10-170-BG
Yes	Study	BG Leidingen	C5_6-10-170-BG
Yes	Study	BG Leidingen	C5_7-12-65-BG
Yes	Study	BG Leidingen	C5_8-12-65-BG
Yes	Study	BG Leidingen	C6_3-10-170-BG
Yes	Study	BG Leidingen	C6_4-10-170-BG
Yes	Study	BG Leidingen	C6_5-10-170-BG
Yes	Study	BG Leidingen	C6_6-10-170-BG
Yes	Study	BG Leidingen	L1_2-16-170-BG
Yes	Study	BG Leidingen	G2_1-20-65-BG
Yes	Study	BG Leidingen	L5_2-16-170-BG
Yes	Study	BG Leidingen	G3_1-20-65-BG
Yes	Study	BG Leidingen	G3_3-20-65-BG
Yes	Study	BG Leidingen	G4_1-20-65-BG
Yes	Study	BG Leidingen	G4_3-20-65-BG
Yes	Study	BG Leidingen	Gi-20-65-BG
Yes	Study	BG Leidingen	L2_2-16-170-BG
Yes	Study	BG Leidingen	L3_2-16-170-BG
Yes	Study	BG Leidingen	L4_2-16-170-BG
Yes	Study	BG Leidingen	E1_1-20-170-BG
Yes	Study	BG Leidingen	E1_2-20-170-BG
Yes	Study	BG Leidingen	E1_4-20-65-BG
Yes	Study	BG Leidingen	E2_1-20-170-BG
Yes	Study	BG Leidingen	G2_3-20-65-BG
Yes	Study	BG Leidingen	E2_3-20-170-BG
Yes	Study	BG Leidingen	E2_2-20-170-BG
Yes	Study	BG Leidingen	E2_6-20-65-BG
Yes	Study	BG Leidingen	E3_1-20-170-BG
Yes	Study	BG Leidingen	E3_2-20-170-BG
Yes	Study	BG Leidingen	E3_4-20-65-BG
Yes	Study	BG Leidingen	E4_1-20-170-BG
Yes	Study	BG Leidingen	E4_2-20-170-BG
Yes	Study	BG Leidingen	E4_4-20-65-BG
Yes	Study	BG Leidingen	E5_1-20-170-BG
Yes	Study	BG Leidingen	E5_2-20-170-BG

Yes	Study	BG Leidingen	E5_3-20-170-BG
Yes	Study	BG Leidingen	E5_4-20-170-BG
Yes	Study	BG Leidingen	E6_1-20-170-BG
Yes	Study	BG Leidingen	E2_4-20-170-BG
Yes	Study	BG Leidingen	E6_2-20-170-BG
Yes	Study	BG Leidingen	E6_4-20-65-BG
Yes	Study	BG Leidingen	G1_1-20-65-BG
Yes	Study	BG Leidingen	G1_3-20-65-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	straat_I_1-20-65-B
Yes	Study	BG Leidingen	straat_I_3-20-65-B
Yes	Study	BG Leidingen	straat_I_4-20-65-B
Yes	Study	BG Leidingen	straat_I_2-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	OG Leidingen	K_3-30-65-OG
Yes	Study	OG Leidingen	K_4-30-65-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	G2_2-20-65-OG
Yes	Study	OG Leidingen	G3_2-20-65-OG

Yes	Study	OG Leidingen	G4_2-20-65-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	E1_3-20-65-OG
Yes	Study	OG Leidingen	E2_5-20-65-OG
Yes	Study	OG Leidingen	E3_3-20-65-OG
Yes	Study	OG Leidingen	E4_3-20-65-OG
Yes	Study	OG Leidingen	E5_5-20-65-OG
Yes	Study	OG Leidingen	E6_3-20-65-OG
Yes	Study	OG Leidingen	G1_2-20-65-OG
Yes	Study	OG Leidingen	H_1-30-170-OG
Yes	Study	OG Leidingen	H_2-30-65-OG
Yes	Study	OG Leidingen	H_3-30-170-OG
Yes	Study	OG Leidingen	H_4-30-65-OG
Yes	Study	OG Leidingen	H_5-30-170-OG
Yes	Study	OG Leidingen	H_6-30-170-OG
Yes	Study	OG Leidingen	In5_5-16-170-OG
Yes	Study	OG Leidingen	In4_3-16-170-OG
Yes	Study	OG Leidingen	In4_5-16-170-OG
Yes	Study	OG Leidingen	In5_3-16-170-OG
Yes	Study	OG Leidingen	K_1-30-65-OG
Yes	Study	OG Leidingen	T-20-65-OG
Yes	Study	OG Leidingen	K_2-30-65-OG
Yes	Study	OG Leidingen	K_5-30-65-OG
Yes	Study	OG Leidingen	K_6-30-65-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	In1_3-16-170-OG
Yes	Study	OG Leidingen	In3_3-16-170-OG
Yes	Study	OG Leidingen	In3_5-16-170-OG
Yes	Study	OG Leidingen	In2_5-16-170-OG
Yes	Study	OG Leidingen	In1_5-16-170-OG
Yes	Study	OG Leidingen	In2_3-16-170-OG
Yes	Study	Flenzen	straat_I_1-20-65-B
Yes	Study	Flenzen	straat_I_3-20-65-B
Yes	Study	Flenzen	straat_I_4-20-65-B
Yes	Study	Flenzen	straat_I_2-20-65-B

Folder	Pressure vessel	Folder	Atmospheric storage tank	Folder
	Compressor_60301-12-170-BG BG Lek			
	Compressor_60401-12-170-BG BG Lek			
	Compressor_60501-12-170-BG BG Lek			
	Compressor_60601-12-170-BG BG Lek			
	Compressor_60201-12-170-BG BG Lek			
	Compressor_60101-12-170-BG BG Lek			
	filter_81501-6-65-BG Lek			
	filter_82301-6-65-BG lek			
	filter_82201-12-65-BG Lek			
	filter_81201-12-65-BG Lek			
	filter_81301-12-65-BG Lek			
	filter_81401-12-65-BG Lek			
	filter_81101-12-65-BG Lek			
	filter_82101-12-65-BG Lek			
	A1A Vertical tubing leak (productie)			
	A1A Horizontal tubing leak (productie)			
	A1B Vertical tubing leak (productie)			
	A1B Horizontal tubing leak (productie)			
	A1A Vertical tubing leak (onderhoud)			
	A1A Horizontal tubing leak (onderhoud)			
	A1B Vertical tubing leak (onderhoud)			
	A1B Horizontal tubing leak (onderhoud)			
	A2A Vertical tubing leak (productie)			
	A2A Horizontal tubing leak (productie)			
	A2B Vertical tubing leak (productie)			
	A2B Horizontal tubing leak (productie)			
	A2A Vertical tubing leak (onderhoud)			
	A2A Horizontal tubing leak (onderhoud)			
	A2B Vertical tubing leak (onderhoud)			
	A2B Horizontal tubing leak (onderhoud)			
	A3A Vertical tubing leak (productie)			
	A3A Horizontal tubing leak (productie)			
	A3B Vertical tubing leak (productie)			
	A3B Horizontal tubing leak (productie)			
	A3A Vertical tubing leak (onderhoud)			
	A3A Horizontal tubing leak (onderhoud)			
	A3B Vertical tubing leak (onderhoud)			
	A3B Horizontal tubing leak (onderhoud)			
	A4A Vertical tubing leak (productie)			
	A4A Horizontal tubing leak (productie)			
	A4B Vertical tubing leak (productie)			

A4B Horizontal tubing leak (productie)
A4A Vertical tubing leak (onderhoud)
A4A Horizontal tubing leak (onderhoud)
A4B Vertical tubing leak (onderhoud)
A4B Horizontal tubing leak (onderhoud)
A6A Vertical tubing leak (productie)
A6A Horizontal tubing leak (productie)
A6B Vertical tubing leak (productie)
A6B Horizontal tubing leak (productie)
A6A Vertical tubing leak (onderhoud)
A6A Horizontal tubing leak (onderhoud)
A6B Vertical tubing leak (onderhoud)
A6B Horizontal tubing leak (onderhoud)
A7A Vertical tubing leak (productie)
A7A Horizontal tubing leak (productie)
A7B Vertical tubing leak (productie)
A7B Horizontal tubing leak (productie)
A7A Vertical tubing leak (onderhoud)
A7A Horizontal tubing leak (onderhoud)
A7B Vertical tubing leak (onderhoud)
A7B Horizontal tubing leak (onderhoud)
filter_60101-12-65-BG Lek
filter_60201-12-65-BG Lek
filter_60301-12-65-BG Lek
filter_60401-12-65-BG Lek
filter_60501-12-65-BG Lek
filter_60601-12-65-BG Lek
filter_91105-16-170-BG Lek
filter_91205-16-170-BG Lek
filter_92105-16-170-BG Lek
filter_92205-16-170-BG Lek
filter_91305-16-170-BG Lek
C1_2-10-170-BG BG Lek
C1_3-10-170-BG BG Lek
C1_4-10-170-BG BG Lek
C1_5-10-170-BG BG Lek
C1_6-10-170-BG BG Lek
C1_7-12-65-BG BG Lek
C1_8-12-65-BG BG Lek
C2_2-10-170-BG BG Lek
C2_3-10-170-BG BG Lek
C2_4-10-170-BG BG Lek
C2_5-10-170-BG BG Lek
C2_6-10-170-BG BG Lek
C2_7-12-65-BG BG Lek
C2_8-12-65-BG BG Lek
C3_2-10-170-BG BG Lek
C3_3-10-170-BG BG Lek
C3_4-10-170-BG BG Lek
C3_5-10-170-BG BG Lek

C3_6-10-170-BG BG Lek
C3_7-12-65-BG BG Lek
C3_8-12-65-BG BG Lek
C4_3-10-170-BG BG Lek
C4_4-10-170-BG BG Lek
C4_5-10-170-BG BG Lek
C4_6-10-170-BG BG Lek
C4_7-12-65-BG BG Lek
C4_8-12-65-BG BG Lek
C5_1-10-170-BG BG Lek
C5_2-10-170-BG BG Lek
C6_1-10-170-BG BG Lek
C6_2-10-170-BG BG Lek
C5_3-10-170-BG BG Lek
C5_4-10-170-BG BG Lek
C5_5-10-170-BG BG Lek
C5_6-10-170-BG BG Lek
C5_7-12-65-BG BG Lek
C5_8-12-65-BG BG Lek
C6_3-10-170-BG BG Lek
C6_4-10-170-BG BG Lek
C6_5-10-170-BG BG Lek
C6_6-10-170-BG BG Lek
L1_2-16-170-BG BG Lek
G2_1-20-65-BG BG Lek
L5_2-16-170-BG BG Lek
G3_1-20-65-BG BG Lek
G3_3-20-65-BG BG Lek
G4_1-20-65-BG BG Lek
G4_3-20-65-BG BG Lek
Gi-20-65-BG BG Lek
L2_2-16-170-BG BG Lek
L3_2-16-170-BG BG Lek
L4_2-16-170-BG BG Lek
E1_1-20-170-BG BG Lek
E1_2-20-170-BG BG Lek
E1_4-20-65-BG BG Lek
E2_1-20-170-BG BG Lek
G2_3-20-65-BG BG Lek
E2_3-20-170-BG BG Lek
E2_2-20-170-BG BG Lek
E2_6-20-65-BG BG Lek
E3_1-20-170-BG BG Lek
E3_2-20-170-BG BG Lek
E3_4-20-65-BG BG Lek
E4_1-20-170-BG BG Lek
E4_2-20-170-BG BG Lek
E4_4-20-65-BG BG Lek
E5_1-20-170-BG BG Lek
E5_2-20-170-BG BG Lek

E5_3-20-170-BG BG Lek
E5_4-20-170-BG BG Lek
E6_1-20-170-BG BG Lek
E2_4-20-170-BG BG Lek
E6_2-20-170-BG BG Lek
E6_4-20-65-BG BG Lek
G1_1-20-65-BG BG Lek
G1_3-20-65-BG BG Lek
In5_4-16-170-BG BG Lek
In1_2-16-170-BG BG Lek
I_5-20-65-BG BG Lek
I_6-20-65-BG BG Lek
I_7-20-65-BG BG Lek
I_8-20-65-BG BG Lek
In5_6-16-170-BG BG Lek
In4_1-16-170-BG BG Lek
In4_2-16-170-BG BG Lek
In4_4-16-170-BG BG Lek
In4_6-16-170-BG BG Lek
In5_1-16-170-BG BG Lek
In5_2-16-170-BG BG Lek
C1_1-10-170-BG BG Lek
In2_1-16-170-BG BG Lek
In2_2-16-170-BG BG Lek
In1_6-16-170-BG BG Lek
E5_6-20-65-BG BG Lek
C6_8-12-65-BG BG Lek
C2_1-10-170-BG BG Lek
C3_1-10-170-BG BG Lek
C4_1-10-170-BG BG Lek
C4_2-10-170-BG BG Lek
In3_2-16-170-BG BG Lek
In3_4-16-170-BG BG Lek
In1_4-16-170-BG BG Lek
In3_6-16-170-BG BG Lek
In1_1-16-170-BG BG Lek
In2_6-16-170-BG BG Lek
In3_1-16-170-BG BG Lek
In2_4-16-170-BG BG Lek
straat_I_1-20-65-BG BG Lek
straat_I_3-20-65-BG BG Lek
straat_I_4-20-65-BG BG Lek
straat_I_2-20-65-BG BG Lek
koppeling-20-65-BG BG Lek
koppeling2-20-65-BG BG Lek
K_3-30-65-OG OG Lek
K_4-30-65-OG OG Lek
A7-16-170-OG OG Lek
G2_2-20-65-OG OG Lek
G3_2-20-65-OG OG Lek

G4_2-20-65-OG OG Lek
A6-16-170-OG OG Lek
A4-16-170-OG OG Lek
A3-16-170-OG OG Lek
E1_3-20-65-OG OG Lek
E2_5-20-65-OG OG Lek
E3_3-20-65-OG OG Lek
E4_3-20-65-OG OG Lek
E5_5-20-65-OG OG Lek
E6_3-20-65-OG OG Lek
G1_2-20-65-OG OG Lek
H_1-30-170-OG OG Lek
H_2-30-65-OG OG Lek
H_3-30-170-OG OG Lek
H_4-30-65-OG OG Lek
H_5-30-170-OG OG Lek
H_6-30-170-OG OG Lek
In5_5-16-170-OG OG Lek
In4_3-16-170-OG OG Lek
In4_5-16-170-OG OG Lek
In5_3-16-170-OG OG Lek
K_1-30-65-OG OG Lek
T-20-65-OG OG Lek
K_2-30-65-OG OG Lek
K_5-30-65-OG OG Lek
K_6-30-65-OG OG Lek
A2-16-170-OG OG Lek
A1-16-170-OG OG Lek
In1_3-16-170-OG OG Lek
In3_3-16-170-OG OG Lek
In3_5-16-170-OG OG Lek
In2_5-16-170-OG OG Lek
In1_5-16-170-OG OG Lek
In2_3-16-170-OG OG Lek
straat_I_1-20-65-BG BG Flenzen
straat_I_3-20-65-BG BG Flenzen
straat_I_4-20-65-BG BG Flenzen
straat_I_2-20-65-BG BG Flenzen

Scena

	Hole	Release location	
Name	Orifice diameter	Elevation	Tank head
	mm	m	m
Compressor_6030	32,39		
Compressor_6040	32,39		
Compressor_6050	32,39		
Compressor_6060	32,39		
Compressor_6020	32,39		
Compressor_6010	32,39		
filter_81501-6-65-	16,83		
filter_82301-6-65-	16,83		
filter_82201-12-65	32,39		
filter_81201-12-65	32,39		
filter_81301-12-65	32,39		
filter_81401-12-65	32,39		
filter_81101-12-65	32,39		
filter_82101-12-65	32,39		
A1A Vertical tubin	20		
A1A Horizontal tub	20		
A1B Vertical tubin	20		
A1B Horizontal tub	20		
A1A Vertical tubin	20		
A1A Horizontal tub	20		
A1B Vertical tubin	20		
A1B Horizontal tub	20		
A2A Vertical tubin	20		
A2A Horizontal tub	20		
A2B Vertical tubin	20		
A2B Horizontal tub	20		
A2A Vertical tubin	20		
A2A Horizontal tub	20		
A2B Vertical tubin	20		
A2B Horizontal tub	20		
A3A Vertical tubin	20		
A3A Horizontal tub	20		
A3B Vertical tubin	20		
A3B Horizontal tub	20		
A3A Vertical tubin	20		
A3A Horizontal tub	20		
A3B Vertical tubin	20		
A3B Horizontal tub	20		
A4A Vertical tubin	20		
A4A Horizontal tub	20		
A4B Vertical tubin	20		

A4B Horizontal tub	20		
A4A Vertical tubin	20		
A4A Horizontal tub	20		
A4B Vertical tubin	20		
A4B Horizontal tub	20		
A6A Vertical tubin	20		
A6A Horizontal tub	20		
A6B Vertical tubin	20		
A6B Horizontal tub	20		
A6A Vertical tubin	20		
A6A Horizontal tub	20		
A6B Vertical tubin	20		
A6B Horizontal tub	20		
A7A Vertical tubin	20		
A7A Horizontal tub	20		
A7B Vertical tubin	20		
A7B Horizontal tub	20		
A7A Vertical tubin	20		
A7A Horizontal tub	20		
A7B Vertical tubin	20		
A7B Horizontal tub	20		
filter_60101-12-65	10		
filter_60201-12-65	10		
filter_60301-12-65	10		
filter_60401-12-65	10		
filter_60501-12-65	10		
filter_60601-12-65	10		
filter_91105-16-17	10		
filter_91205-16-17	10		
filter_92105-16-17	10		
filter_92205-16-17	10		
filter_91305-16-17	10		
C1_2-10-170-BG B	27,3		
C1_3-10-170-BG B	27,3		
C1_4-10-170-BG B	27,3		
C1_5-10-170-BG B	27,3		
C1_6-10-170-BG B	27,3		
C1_7-12-65-BG BG	32,39		
C1_8-12-65-BG BG	32,39		
C2_2-10-170-BG B	27,3		
C2_3-10-170-BG B	27,3		
C2_4-10-170-BG B	27,3		
C2_5-10-170-BG B	27,3		
C2_6-10-170-BG B	27,3		
C2_7-12-65-BG BG	32,39		
C2_8-12-65-BG BG	32,39		
C3_2-10-170-BG B	27,3		
C3_3-10-170-BG B	27,3		
C3_4-10-170-BG B	27,3		
C3_5-10-170-BG B	27,3		

C3_6-10-170-BG B	27,3		
C3_7-12-65-BG BG	32,39		
C3_8-12-65-BG BG	32,39		
C4_3-10-170-BG B	27,3		
C4_4-10-170-BG B	27,3		
C4_5-10-170-BG B	27,3		
C4_6-10-170-BG B	27,3		
C4_7-12-65-BG BG	32,39		
C4_8-12-65-BG BG	32,39		
C5_1-10-170-BG B	27,3		
C5_2-10-170-BG B	27,3		
C6_1-10-170-BG B	27,3		
C6_2-10-170-BG B	27,3		
C5_3-10-170-BG B	27,3		
C5_4-10-170-BG B	27,3		
C5_5-10-170-BG B	27,3		
C5_6-10-170-BG B	27,3		
C5_7-12-65-BG BG	32,39		
C5_8-12-65-BG BG	32,39		
C6_3-10-170-BG B	27,3		
C6_4-10-170-BG B	27,3		
C6_5-10-170-BG B	27,3		
C6_6-10-170-BG B	27,3		
L1_2-16-170-BG B	40,64		
G2_1-20-65-BG BG	50		
L5_2-16-170-BG B	40,64		
G3_1-20-65-BG BG	50		
G3_3-20-65-BG BG	50		
G4_1-20-65-BG BG	50		
G4_3-20-65-BG BG	50		
Gi-20-65-BG BG Le	50		
L2_2-16-170-BG B	40,64		
L3_2-16-170-BG B	40,64		
L4_2-16-170-BG B	40,64		
E1_1-20-170-BG B	50		
E1_2-20-170-BG B	50		
E1_4-20-65-BG BG	50		
E2_1-20-170-BG B	50		
G2_3-20-65-BG BG	50		
E2_3-20-170-BG B	50		
E2_2-20-170-BG B	50		
E2_6-20-65-BG BG	50		
E3_1-20-170-BG B	50		
E3_2-20-170-BG B	50		
E3_4-20-65-BG BG	50		
E4_1-20-170-BG B	50		
E4_2-20-170-BG B	50		
E4_4-20-65-BG BG	50		
E5_1-20-170-BG B	50		
E5_2-20-170-BG B	50		

E5_3-20-170-BG B	50		
E5_4-20-170-BG B	50		
E6_1-20-170-BG B	50		
E2_4-20-170-BG B	50		
E6_2-20-170-BG B	50		
E6_4-20-65-BG BG	50		
G1_1-20-65-BG BG	50		
G1_3-20-65-BG BG	50		
In5_4-16-170-BG E	40,64		
In1_2-16-170-BG E	40,64		
I_5-20-65-BG BG L	50		
I_6-20-65-BG BG L	50		
I_7-20-65-BG BG L	50		
I_8-20-65-BG BG L	50		
In5_6-16-170-BG E	40,64		
In4_1-16-170-BG E	40,64		
In4_2-16-170-BG E	40,64		
In4_4-16-170-BG E	40,64		
In4_6-16-170-BG E	40,64		
In5_1-16-170-BG E	40,64		
In5_2-16-170-BG E	40,64		
C1_1-10-170-BG B	27,3		
In2_1-16-170-BG E	40,64		
In2_2-16-170-BG E	40,64		
In1_6-16-170-BG E	40,64		
E5_6-20-65-BG BG	50		
C6_8-12-65-BG BG	32,39		
C2_1-10-170-BG B	27,3		
C3_1-10-170-BG B	27,3		
C4_1-10-170-BG B	27,3		
C4_2-10-170-BG B	27,3		
In3_2-16-170-BG E	40,64		
In3_4-16-170-BG E	40,64		
In1_4-16-170-BG E	40,64		
In3_6-16-170-BG E	40,64		
In1_1-16-170-BG E	40,64		
In2_6-16-170-BG E	40,64		
In3_1-16-170-BG E	40,64		
In2_4-16-170-BG E	40,64		
straat_I_1-20-65-E	50		
straat_I_3-20-65-E	50		
straat_I_4-20-65-E	50		
straat_I_2-20-65-E	50		
koppeling-20-65-B	50		
koppeling2-20-65-	50		
K_3-30-65-OG OG	50		
K_4-30-65-OG OG	50		
A7-16-170-OG OG	40,64		
G2_2-20-65-OG OG	50		
G3_2-20-65-OG OG	50		

G4_2-20-65-OG OC	50		
A6-16-170-OG OG	40,64		
A4-16-170-OG OG	40,64		
A3-16-170-OG OG	40,64		
E1_3-20-65-OG OC	50		
E2_5-20-65-OG OC	50		
E3_3-20-65-OG OC	50		
E4_3-20-65-OG OC	50		
E5_5-20-65-OG OC	50		
E6_3-20-65-OG OC	50		
G1_2-20-65-OG OC	50		
H_1-30-170-OG OC	50		
H_2-30-65-OG OG	50		
H_3-30-170-OG OC	50		
H_4-30-65-OG OG	50		
H_5-30-170-OG OC	50		
H_6-30-170-OG OC	50		
In5_5-16-170-OG (	40,64		
In4_3-16-170-OG (	40,64		
In4_5-16-170-OG (	40,64		
In5_3-16-170-OG (	40,64		
K_1-30-65-OG OG	50		
T-20-65-OG OG Le	50		
K_2-30-65-OG OG	50		
K_5-30-65-OG OG	50		
K_6-30-65-OG OG	50		
A2-16-170-OG OG	40,64		
A1-16-170-OG OG	40,64		
In1_3-16-170-OG (	40,64		
In3_3-16-170-OG (	40,64		
In3_5-16-170-OG (	40,64		
In2_5-16-170-OG (	40,64		
In1_5-16-170-OG (	40,64		
In2_3-16-170-OG (	40,64		
straat_I_1-20-65-E	50		
straat_I_3-20-65-E	50		
straat_I_4-20-65-E	50		
straat_I_2-20-65-E	50		

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Direction		Event frequency
Outdoor release direction	Outdoor release angle	Event frequency
	deg	/AvgeYear
		0,00000691
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		0,000006726
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		0,00000104
		0,000000188
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		0,000001021
		2,318E-07
		0,000001021
		2,318E-07
		0,00000104
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		0,000001021
		2,318E-07
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Risk

Event probability (probability of this event compared with others

Event probability

fraction

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Immediate ignition probabilities		
Probability of immediate ignition	Immediate ignition probability	Material to track
	fraction	

Material

Material	Phase	User-defined dispersion sc	
Type of risk effects to model	Phase to be released	Concentrations of interest	Distances of interest
		ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thre
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Notes
shold concentrations and averaging		Invisible
IDLH [30 mins]	STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Filter sep		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		
Yes	Study	Vloeistofvangers		

Folder	Pressure vessel	Folder	Atmospheric storage tank	Folder

filter_60101-12-65-BG 10minuten scenario
filter_60201-12-65-BG 10minuten scenario
filter_60301-12-65-BG 10minuten scenario
filter_60401-12-65-BG 10minuten scenario
filter_60501-12-65-BG 10minuten scenario
filter_60601-12-65-BG 10minuten scenario
filter_91105-16-170-BG 10minuten scenario
filter_91205-16-170-BG 10minuten scenario
filter_92105-16-170-BG 10minuten scenario
filter_92205-16-170-BG 10minuten scenario
filter_91305-16-170-BG 10minuten scenario

Scenario

	Scenario	Hole	Release location	
Name	Duration for fixed duration release	Orifice diameter	Elevation	Tank head
	s	mm	m	m
filter_60101-12-65	600			
filter_60201-12-65	600			
filter_60301-12-65	600			
filter_60401-12-65	600			
filter_60501-12-65	600			
filter_60601-12-65	600			
filter_91105-16-17	600			
filter_91205-16-17	600			
filter_92105-16-17	600			
filter_92205-16-17	600			
filter_91305-16-17	600			

Direction		Event frequency
Outdoor release direction	Outdoor release angle	Event frequency
	deg	/AvgeYear
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005
		0,0000005

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Immediate ignition probabilities		
Probability of immediate ignition	**Immediate ignition probability**	**Material to track**
	fraction	

Material

Material	Phase	User-defined dispersion sc	
Type of risk effects to model	Phase to be released	Concentrations of interest	Distances of interest
		ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thres
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Notes
shold concentrations and averaging		Invisible
IDLH [30 mins]	STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A1		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A2		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A3		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A4		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		
Yes	Study	Put A6		

Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7
Yes	Study	Put A7

Folder	Pressure vessel	Folder	Atmospheric storage tank	Folder

A1A Other tubing blowouts 0-20s (onderhoud)
A1A Other tubing blowouts 20-140s (onderhoud)
A1A Casing blowout 0-20s (onderhoud)
A1A Casing blowout 20-140s (onderhoud)
A1B Other tubing blowouts 0-20s (onderhoud)
A1B Other tubing blowouts 20-140s (onderhoud)
A1B Casing blowout 0-20s (onderhoud)
A1B Casing blowout 20-140s (onderhoud)
A2A Other tubing blowouts 0-20s (onderhoud)
A2A Other tubing blowouts 20-140s (onderhoud)
A2A Casing blowout 0-20s (onderhoud)
A2A Casing blowout 20-140s (onderhoud)
A2B Other tubing blowouts 0-20s (onderhoud)
A2B Other tubing blowouts 20-140s (onderhoud)
A2B Casing blowout 0-20s (onderhoud)
A2B Casing blowout 20-140s (onderhoud)
A3A Other tubing blowouts 0-20s (onderhoud)
A3A Other tubing blowouts 20-140s (onderhoud)
A3A Casing blowout 0-20s (onderhoud)
A3A Casing blowout 20-140s (onderhoud)
A3B Other tubing blowouts 0-20s (onderhoud)
A3B Other tubing blowouts 20-140s (onderhoud)
A3B Casing blowout 0-20s (onderhoud)
A3B Casing blowout 20-140s (onderhoud)
A4A Other tubing blowouts 0-20s (onderhoud)
A4A Other tubing blowouts 20-140s (onderhoud)
A4A Casing blowout 0-20s (onderhoud)
A4A Casing blowout 20-140s (onderhoud)
A4B Other tubing blowouts 0-20s (onderhoud)
A4B Other tubing blowouts 20-140s (onderhoud)
A4B Casing blowout 0-20s (onderhoud)
A4B Casing blowout 20-140s (onderhoud)
A6A Other tubing blowouts 0-20s (onderhoud)
A6A Other tubing blowouts 20-140s (onderhoud)
A6A Casing blowout 0-20s (onderhoud)
A6A Casing blowout 20-140s (onderhoud)
A6B Other tubing blowouts 0-20s (onderhoud)
A6B Other tubing blowouts 20-140s (onderhoud)
A6B Casing blowout 0-20s (onderhoud)
A6B Casing blowout 20-140s (onderhoud)

A7A Other tubing blowouts 0-20s (onderhoud)
A7A Other tubing blowouts 20-140s (onderhoud)
A7A Casing blowout 0-20s (onderhoud)
A7A Casing blowout 20-140s (onderhoud)
A7B Other tubing blowouts 0-20s (onderhoud)
A7B Other tubing blowouts 20-140s (onderhoud)
A7B Casing blowout 0-20s (onderhoud)
A7B Casing blowout 20-140s (onderhoud)

	Scenario	Pipe dimensions	
Name	Scenario type	Pipe internal diameter	Pipe length
		mm	m
A1A Other tubing l	1 Line rupture	200	
A1A Other tubing l	1 Line rupture	200	
A1A Casing blowou	1 Line rupture	244,475	
A1A Casing blowou	1 Line rupture	244,475	
A1B Other tubing l	1 Line rupture	200	
A1B Other tubing l	1 Line rupture	200	
A1B Casing blowou	1 Line rupture	244,475	
A1B Casing blowou	1 Line rupture	244,475	
A2A Other tubing l	1 Line rupture	200	
A2A Other tubing l	1 Line rupture	200	
A2A Casing blowou	1 Line rupture	244,475	
A2A Casing blowou	1 Line rupture	244,475	
A2B Other tubing l	1 Line rupture	200	
A2B Other tubing l	1 Line rupture	200	
A2B Casing blowou	1 Line rupture	244,475	
A2B Casing blowou	1 Line rupture	244,475	
A3A Other tubing l	1 Line rupture	200	
A3A Other tubing l	1 Line rupture	200	
A3A Casing blowou	1 Line rupture	244,475	
A3A Casing blowou	1 Line rupture	244,475	
A3B Other tubing l	1 Line rupture	200	
A3B Other tubing l	1 Line rupture	200	
A3B Casing blowou	1 Line rupture	244,475	
A3B Casing blowou	1 Line rupture	244,475	
A4A Other tubing l	1 Line rupture	200	
A4A Other tubing l	1 Line rupture	200	
A4A Casing blowou	1 Line rupture	244,475	
A4A Casing blowou	1 Line rupture	244,475	
A4B Other tubing l	1 Line rupture	200	
A4B Other tubing l	1 Line rupture	200	
A4B Casing blowou	1 Line rupture	244,475	
A4B Casing blowou	1 Line rupture	244,475	
A6A Other tubing l	1 Line rupture	200	
A6A Other tubing l	1 Line rupture	200	
A6A Casing blowou	1 Line rupture	244,475	
A6A Casing blowou	1 Line rupture	244,475	
A6B Other tubing l	1 Line rupture	200	
A6B Other tubing l	1 Line rupture	200	
A6B Casing blowou	1 Line rupture	244,475	
A6B Casing blowou	1 Line rupture	244,475	

A7A Other tubing l	1 Line rupture	200	
A7A Other tubing l	1 Line rupture	200	
A7A Casing blowou	1 Line rupture	244,475	
A7A Casing blowou	1 Line rupture	244,475	
A7B Other tubing l	1 Line rupture	200	
A7B Other tubing l	1 Line rupture	200	
A7B Casing blowou	1 Line rupture	244,475	
A7B Casing blowou	1 Line rupture	244,475	

Hole	Release location	
Orifice diameter	Elevation	Tank head
mm	m	m

Scenario

Flow control and isolation			
Flow controller	Input option	Fixed flow rate	Pump head
		kg/s	m

		Direction	
Active isolation valve	Valve closing time	Outdoor release direction	Outdoor release angle
	s		deg

Event frequency
Event frequency
/AvgeYear
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06

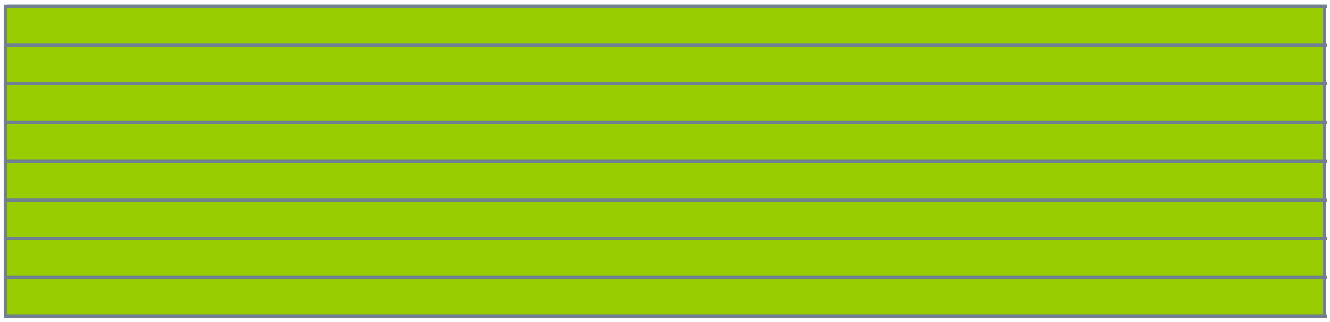
0,000004014
0,000040586
6,8625E-07
6,93875E-06
0,000004014
0,000040586
6,8625E-07
6,93875E-06

Risk

Event probability (probability of this event compared with others

Event probability

fraction



Immediate ignition probabilities		
Probability of immediate ignition	Immediate ignition probability	Material to track
	fraction	

Material

Material	Phase	Phase
Type of risk effects to model	Phase to be released for line ruptures	Phase to be released for disc ruptures and relief valves

Short pipe

Pipe characteristics	User-defined dispersion sc	
Pipe roughness	Concentrations of interest	Distances of interest
mm	ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thre
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Notes
shold concentrations and averaging		Invisible
IDLH [30 mins]	STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

Folder	**Pressure vessel**	**Folder**	**Atmospheric storage tank**	**Folder**

	Hole	Release location	
Name	Orifice diameter	Elevation	Release height from vessel bottom
	mm	m	m

Scenario

Dimensions and inventory data	Pump head	
Tank height	**Specify pump head?**	**Pump head**
m		m

Direction		Event frequency
Outdoor release direction	**Outdoor release angle**	**Event frequency**
	deg	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

		Mat
Immediate ignition probabilities		**Mat**
Probability of immediate ignition	**Immediate ignition probability**	**Material to track**
	fraction	

erial		
erial		Time ave
Type of risk effects to model	Method for calculating average rate	Expected number of average rates

Time varying r

raging

Time at which release rate is calculated	First time value for rate between two times	Second time value for rate between two times
s	s	s

releases

Safety system modelling for time-varying releases

Safety system modelling (isolation and blowdown)

Safety systems

Isolation for time-varying releases			Blowdown
Isolation?	Time to isolation	Inventory from neighbouring vessel to be added upon isolation failure	Blowdown?
	s	kg	

for time-varying releases		**User-defined dispersion sc**	
Time to blowdown actuation	**Blowdown diameter**	**Concentrations of interest**	**Distances of interest**
s	mm	ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thres
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Notes
shold concentrations and averaging		Invisible
IDLH [30 mins]	STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

Folder	**Pressure vessel**	**Folder**	**Atmospheric storage tank**	**Folder**

	Scenario	Pipe dimensions	
Name	Scenario type	Pipe internal diameter	Pipe length
		mm	m

Sce

Hole	Release location		
Orifice diameter	Elevation	Tank head	Release height from vessel bottom
mm	m	m	m

nario

Dimensions and inventory data	Pump head	
Tank height	**Specify pump head?**	**Pump head**
m		m

Direction		Event frequency
Outdoor release direction	Outdoor release angle	Event frequency
	deg	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Immediate ignition probabilities		
Probability of immediate ignition	**Immediate ignition probability**	**Material to track**
	fraction	

Material		Short pipe
Material	**Phase**	**Pipe characteristics**
Type of risk effects to model	**Phase to be released**	**Pipe roughness**
		mm

Time v

Time averaging			
Method for calculating average rate	Expected number of average rates	Time at which release rate is calculated	First time value for rate between two times
		s	s

varying r

Second time value for rate between two times
s

releases

Safety system modelling for time-varying releases

Safety system modelling (isolation and blowdown)

Safety systems

Isolation for time-varying releases			Blowdown
Isolation?	Time to isolation	Inventory from neighbouring vessel to be added upon isolation failure	Blowdown?
	s	kg	

for time-varying releases		User-defined dispersion sc	
Time to blowdown actuation	**Blowdown diameter**	**Concentrations of interest**	**Distances of interest**
s	mm	ppm	m

Dispersion

ope (N.B Based on the material to track)			lardised toxic thres
Averaging time for concentrations and distances of interest	Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]
		s	

		Notes
shold concentrations and averaging		Invisible
IDLH [30 mins]	STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

Folder	**Pressure vessel**	**Folder**	**Atmospheric storage tank**	**Folder**

	Release scenario			
Name	Release scenario	The number of release observers	Release time	Release phase
			S	

Release observers				
Mass flow	**Final velocity**	**Final temperature**	**Liquid fraction**	**Droplet diameter**
kg/s	m/s	degC	fraction	um

Scenario

		Release location	
Pool radius	**Pre-dilution air rate**	**Elevation**	**Tank head**
m	kg/s	m	m

Direction		Fireball emi
Outdoor release direction	**Outdoor release angle**	**Use vessel burst pressure**
	deg	

ssive power	Jet fire Miller model hole size
Vessel burst pressure - gauge	**Orifice diameter**
bar	mm

Event frequency
Event frequency
/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Type of risk effects to model	Immediate ignition
Reduce risks for mounded / underground tanks	Probability of immediate ignition

	Material	
probabilities	**Material**	
Immediate ignition probability	**Material to track**	**Type of risk effects to model**
fraction		

User-defined dispersion scope (N.B Based on the mat			
Concentrations of interest	**Distances of interest**	**Averaging time for concentrations and distances of interest**	**Specify user-defined averaging time**
ppm	m		

Dispersion

erial to track)	lardised toxic threshold concentratic	
User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
s		

	Notes
ons and averaging	Invisible
STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

				Release s
Folder	**Atmospheric storage tank**	**Folder**	**Name**	**Release scenario**

Scenario

cenario	Release observers		
The number of release observers	Release time	Mass flow	Final temperature
	s	kg/s	degC

Event frequency
Event frequency
/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Type of risk effects to model	Immediate ignition
Reduce risks for mounded / underground tanks	Probability of immediate ignition

	Material	
probabilities	**Material**	
Immediate ignition probability	**Material to track**	**Type of risk effects to model**
fraction		

User-defined dispersion scope (N.B Based on the mat			
Concentrations of interest	**Distances of interest**	**Averaging time for concentrations and distances of interest**	**Specify user-defined averaging time**
ppm	m		

Dispersion

erial to track)	lardised toxic threshold concentratio	
User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
s		

	Notes
ons and averaging	Invisible
STEL [15 mins]	Notes

Use	Study	Folder	Route	Scenario group

Folder	Standalones	Folder	Name	Shape

Storage

Vessel			
Elevation	**Diameter**	**Length**	**Specified condition**
m	m	m	

e conditions

Phase				
Temperature	Pressure (gauge)	Liquid volume fraction	Liquid fraction mass	Specify volume inventory?
degC	bar	fraction	fraction	

Material		Event frequency
Mass inventory	**Volume inventory**	**Event frequency**
kg	m3	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Distances

Distances of interest

Max. distance option	Minimum distance	Maximum distance	Step size
	m	m	m

BLEVE blast parameters

	BLEVE blast parameters	
Number of distance points	Air or ground burst	Ideal gas modelling

Notes

Invisible

Notes

Use	Study	Folder	Route	Scenario group

				Release
Folder	**Standalones**	**Folder**	**Name**	**Released mass**
				kg

Fireball

ed mass	Burst pressure		Surface emi
Vapour mass fraction	Supply burst pressure - gauge	Burst pressure - gauge	Calculation method for surface emissive power
fraction		bar	

ssive power	Flame shape definition		
Flame surface emissive power	**Fireball radius**	**Fireball duration**	**Use shape correlation**
kW/m2	m	s	

Event frequency
Event frequency
/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Calculations

Type of results required				P
Radiation at a point	Radiation vs distance	Radiation ellipse	Radiation contours	Distance along the x-axis
				m

Radiation at a point

Point location		Observer		
Distance along the y-axis	Height above origin	Fixed inclination?	Inclination	Fixed orientation?
m	m		deg	

Radiation vs di

	Transect			
Orientation about the z-axis	**Maximum distance**	**Rotation (anti-clockwise)**	**Height above origin**	**Fixed inclination?**
deg	m	deg	m	

istance			Radia	
Observer			**Ellipse**	
Inclination	**Fixed orientation?**	**Orientation about the z-axis**	**Ellipse type required**	**Specified radiation intensity**
deg		deg		kW/m2

ıtion ellipse

	Observer		Display
Specified lethality level	**Fixed inclination?**	**Inclination**	**Chart type being plotted**
fraction		deg	

Contour footprint	Contour side view
Height above origin	**Distance along the y-axis**
m	m

Radiation contours

Contour cross-section	User-defined contour pl	
Distance along the x-axis	X	Y
m	m	m

ane origin	User-defined contour plane X axis		
Z	X	Y	Z
m	m	m	m

			Notes
User-defined contour plane Y axis			**Invisible**
X	**Y**	**Z**	**Notes**
m	m	m	

Use	Study	Folder	Route	Scenario group

Folder	Standalones	Folder	Name

Release location	Release orientation	
Elevation of discharge point	Inclination of jet from horizontal	Rotation about the z-axis (anti-clockwise from the east)
m	deg	deg

Jet fire

Release characteristics				
Calculate jet velocity?	**Mass discharge rate**	**Two-phase release?**	**Post-expansion liquid fraction**	**Post-expansion jet temperature**
	kg/s		fraction	degC

			Event frequency
Jet velocity	**Expanded diameter**	**Orifice diameter**	**Event frequency**
m/s	m	mm	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Directional probabilities for risk

Directional probabilities for risk and 3D effects

Wind direction	Calcul	
Wind direction	**Type of resu**	
Wind direction	**Radiation at a point**	**Radiation vs distance**
deg		

ations				Radiat
lts required		Point location		
Radiation ellipse	Radiation contours	Distance along the x-axis	Distance along the y-axis	Height above origin
		m	m	m

ion at a point

Observer				
Fixed inclination?	Inclination	Fixed orientation?	Orientation about the z-axis	Maximum distance
	deg		deg	m

Radiation vs distance

Transect		Observer		
Rotation (anti-clockwise)	**Height above origin**	**Fixed inclination?**	**Inclination**	**Fixed orientation?**
deg	m		deg	

Radiation ellipse

	Ellipse			Obse
Orientation about the z-axis	**Ellipse type required**	**Specified radiation intensity**	**Specified lethality level**	**Fixed inclination?**
deg		kW/m2	fraction	

erver	Display	Contour footprint
Inclination	Chart type being plotted	Height above origin
deg		m

Contour side view	Contour cross-section
Distance along the y-axis	**Distance along the x-axis**
m	m

Radiation contours

User-defined contour plane origin			User-defi
x	y	z	x
m	m	m	m

ned contour plane X axis		User-defined contour pl	
Y	Z	X	Y
m	m	m	m

	Notes
ane Y axis	Invisible
z	Notes
m	

Use	Study	Folder	Route	Scenario group

				Poc
Folder	**Standalones**	**Folder**	**Name**	**Diameter**
				m

Pool fire

ol characteristics		Flame character		
Elevation	Base surface	Calculate flame length and angle?	Flame length	Flame angle to vertical
m			m	deg

istics		Event frequency
Calculation method for surface emissive power	**Flame emissivity**	**Event frequency**
	kW/m2	/AvgeYear

Risk

Event probability (probability of this event compared with others
Event probability
fraction

Wind direction	Calcul	
Wind direction	**Type of resu**	
Wind direction	**Radiation at a point**	**Radiation vs distance**
deg		

ations		Radiat		
ılts required		Point location		
Radiation ellipse	Radiation contours	Distance along the x-axis	Distance along the y-axis	Height above origin
		m	m	m

ion at a point

Observer				
Fixed inclination?	Inclination	Fixed orientation?	Orientation about the z-axis	Maximum distance
	deg		deg	m

Radiation vs distance

Transect		Observer		
Rotation (anti-clockwise)	Height above origin	Fixed inclination?	Inclination	Fixed orientation?
deg	m		deg	

Radiation ellipse

	Ellipse			Obse
Orientation about the z-axis	**Ellipse type required**	**Specified radiation intensity**	**Specified lethality level**	**Fixed inclination?**
deg		kW/m2	fraction	

erver	Display	Contour footprint
Inclination	**Chart type being plotted**	**Height above origin**
deg		m

Contour side view	Contour cross-section
Distance along the y-axis	**Distance along the x-axis**
m	m

Radiation contours

User-defined contour plane origin			User-defi
X	Y	Z	X
m	m	m	m

ned contour plane X axis		User-defined contour pl	
Y	Z	X	Y
m	m	m	m

	Notes
ane Y axis	Invisible
z	Notes
m	

Use	Study	Folder	Standalones	Folder

Pool vaporisat

Spill data

Name	Type of spill	Spill temperature	Spill rate	Spill mass
		degC	kg/s	kg

ion		Material
	Limits	Modelling of mixtures
Spill duration	Maximum time of interest	Multi or pseudo-component modelling
s	s	

Bund, building and terrain		Notes
Terrain and bund definition		Invisible
Type of terrain for dispersion	Type of pool substrate and bunds	Notes

Use	Study	Folder	Route	Scenario group
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Compressoren		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		
Yes	Study	Warmtewisselaars		

Yes	Study	Warmtewisselaars
Yes	Study	Warmtewisselaars
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Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In5_4-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	In1_2-16-170-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_5-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_6-20-65-BG

Yes	Study	BG Leidingen	I_6-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_7-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	I_8-20-65-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In5_6-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_1-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_2-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_4-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In4_6-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_1-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	In5_2-16-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	C1_1-10-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_1-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In2_2-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG

Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	In1_6-16-170-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	E5_6-20-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C6_8-12-65-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C2_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C3_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_1-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	C4_2-10-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_2-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In3_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In1_4-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In3_6-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In1_1-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In2_6-16-170-BG

Yes	Study	BG Leidingen	In2_6-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In3_1-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	In2_4-16-170-BG
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_1-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_3-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_4-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	straat_l_2-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling-20-65-B
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	BG Leidingen	koppeling2-20-65-
Yes	Study	OG Leidingen	K_3-30-65-OG
Yes	Study	OG Leidingen	K_4-30-65-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	A7-16-170-OG
Yes	Study	OG Leidingen	G2_2-20-65-OG
Yes	Study	OG Leidingen	G3_2-20-65-OG
Yes	Study	OG Leidingen	G4_2-20-65-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A6-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A4-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	A3-16-170-OG
Yes	Study	OG Leidingen	E1_3-20-65-OG
Yes	Study	OG Leidingen	E2_5-20-65-OG
Yes	Study	OG Leidingen	E3_3-20-65-OG
Yes	Study	OG Leidingen	E4_3-20-65-OG

Yes	Study	OG Leidingen	E5_5-20-65-OG
Yes	Study	OG Leidingen	E6_3-20-65-OG
Yes	Study	OG Leidingen	G1_2-20-65-OG
Yes	Study	OG Leidingen	H_1-30-170-OG
Yes	Study	OG Leidingen	H_2-30-65-OG
Yes	Study	OG Leidingen	H_3-30-170-OG
Yes	Study	OG Leidingen	H_4-30-65-OG
Yes	Study	OG Leidingen	H_5-30-170-OG
Yes	Study	OG Leidingen	H_6-30-170-OG
Yes	Study	OG Leidingen	In5_5-16-170-OG
Yes	Study	OG Leidingen	In4_3-16-170-OG
Yes	Study	OG Leidingen	In4_5-16-170-OG
Yes	Study	OG Leidingen	In5_3-16-170-OG
Yes	Study	OG Leidingen	K_1-30-65-OG
Yes	Study	OG Leidingen	T-20-65-OG
Yes	Study	OG Leidingen	K_2-30-65-OG
Yes	Study	OG Leidingen	K_5-30-65-OG
Yes	Study	OG Leidingen	K_6-30-65-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A2-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	A1-16-170-OG
Yes	Study	OG Leidingen	In1_3-16-170-OG
Yes	Study	OG Leidingen	In3_3-16-170-OG
Yes	Study	OG Leidingen	In3_5-16-170-OG
Yes	Study	OG Leidingen	In2_5-16-170-OG
Yes	Study	OG Leidingen	In1_5-16-170-OG
Yes	Study	OG Leidingen	In2_3-16-170-OG

			Breach data	
Folder	Long pipeline	Name	Breach sizing method	Hole diameter
				mm
	Long Pipeline Com	Long Pipeline Breach	Compressor_603	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_603	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_603	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_603	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_604	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_604	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_604	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_604	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_605	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_605	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_605	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_605	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_606	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_606	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_606	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_606	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_602	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_602	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_602	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_602	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_601	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_601	323,2892204
	Long Pipeline Com	Long Pipeline Breach	Compressor_601	324,1645678
	Long Pipeline Com	Long Pipeline Breach	Compressor_601	324,1645678
	Long Pipeline C1_E	Long Pipeline Breach	C1_E60101_WW	153,0083857
	Long Pipeline C1_E	Long Pipeline Breach	C1_E60101_WW	153,0083857
	Long Pipeline C1_E	Long Pipeline Breach	C1_E60101_WW	153,5250598
	Long Pipeline C1_E	Long Pipeline Breach	C1_E60101_WW	153,5250598
	Long Pipeline C2-E	Long Pipeline Breach	C2-E60201_WW	153,0083857
	Long Pipeline C2-E	Long Pipeline Breach	C2-E60201_WW	153,0083857
	Long Pipeline C2-E	Long Pipeline Breach	C2-E60201_WW	153,5250598
	Long Pipeline C2-E	Long Pipeline Breach	C2-E60201_WW	153,5250598
	Long Pipeline C3_E	Long Pipeline Breach	C3_E60301_WW	153,0083857
	Long Pipeline C3_E	Long Pipeline Breach	C3_E60301_WW	153,0083857
	Long Pipeline C3_E	Long Pipeline Breach	C3_E60301_WW	153,5250598
	Long Pipeline C3_E	Long Pipeline Breach	C3_E60301_WW	153,5250598
	Long Pipeline C4-E	Long Pipeline Breach	C4-E60401_WW	153,0083857
	Long Pipeline C4-E	Long Pipeline Breach	C4-E60401_WW	153,0083857
	Long Pipeline C4-E	Long Pipeline Breach	C4-E60401_WW	153,5250598
	Long Pipeline C4-E	Long Pipeline Breach	C4-E60401_WW	153,5250598
	Long Pipeline C5_E	Long Pipeline Breach	C5_E60501_WW	153,0083857

Long Pipeline C5_E	Long Pipeline Breach	C5_E60501_WW	153,0083857
Long Pipeline C5_E	Long Pipeline Breach	C5_E60501_WW	153,5250598
Long Pipeline C5_E	Long Pipeline Breach	C5_E60501_WW	153,5250598
Long Pipeline C6_E	Long Pipeline Breach	C6_E60601_WW	153,0083857
Long Pipeline C6_E	Long Pipeline Breach	C6_E60601_WW	153,0083857
Long Pipeline C6_E	Long Pipeline Breach	C6_E60601_WW	153,5250598
Long Pipeline C6_E	Long Pipeline Breach	C6_E60601_WW	153,5250598
Long Pipeline E1-W	Long Pipeline Breach	E1-WW BG Breuk	153,0083857
Long Pipeline E1-W	Long Pipeline Breach	E1-WW BG Breuk	153,0083857
Long Pipeline E1-W	Long Pipeline Breach	E1-WW BG Breuk	153,5250598
Long Pipeline E1-W	Long Pipeline Breach	E1-WW BG Breuk	153,5250598
Long Pipeline E2-W	Long Pipeline Breach	E2-WW BG Breuk	153,0083857
Long Pipeline E2-W	Long Pipeline Breach	E2-WW BG Breuk	153,0083857
Long Pipeline E2-W	Long Pipeline Breach	E2-WW BG Breuk	153,5250598
Long Pipeline E2-W	Long Pipeline Breach	E2-WW BG Breuk	153,5250598
Long Pipeline E3-W	Long Pipeline Breach	E3-WW BG Breuk	153,0083857
Long Pipeline E3-W	Long Pipeline Breach	E3-WW BG Breuk	153,0083857
Long Pipeline E3-W	Long Pipeline Breach	E3-WW BG Breuk	153,5250598
Long Pipeline E3-W	Long Pipeline Breach	E3-WW BG Breuk	153,5250598
Long Pipeline E4-W	Long Pipeline Breach	E4-WW BG Breuk	153,0083857
Long Pipeline E4-W	Long Pipeline Breach	E4-WW BG Breuk	153,0083857
Long Pipeline E4-W	Long Pipeline Breach	E4-WW BG Breuk	153,5250598
Long Pipeline E4-W	Long Pipeline Breach	E4-WW BG Breuk	153,5250598
Long Pipeline E5-W	Long Pipeline Breach	E5-WW BG Breuk	153,0083857
Long Pipeline E5-W	Long Pipeline Breach	E5-WW BG Breuk	153,0083857
Long Pipeline E5-W	Long Pipeline Breach	E5-WW BG Breuk	153,5250598
Long Pipeline E5-W	Long Pipeline Breach	E5-WW BG Breuk	153,5250598
Long Pipeline E6-W	Long Pipeline Breach	E6-WW BG Breuk	153,0083857
Long Pipeline E6-W	Long Pipeline Breach	E6-WW BG Breuk	153,0083857
Long Pipeline E6-W	Long Pipeline Breach	E6-WW BG Breuk	153,5250598
Long Pipeline E6-W	Long Pipeline Breach	E6-WW BG Breuk	153,5250598
Long Pipeline filter	Long Pipeline Breach	filter_81501-6-65	168,607029
Long Pipeline filter	Long Pipeline Breach	filter_81501-6-65	168,607029
Long Pipeline filter	Long Pipeline Breach	filter_81501-6-65	168,7612189
Long Pipeline filter	Long Pipeline Breach	filter_81501-6-65	168,7612189
Long Pipeline filter	Long Pipeline Breach	filter_82301-6-65	168,607029
Long Pipeline filter	Long Pipeline Breach	filter_82301-6-65	168,607029
Long Pipeline filter	Long Pipeline Breach	filter_82301-6-65	168,7612189
Long Pipeline filter	Long Pipeline Breach	filter_82301-6-65	168,7612189
Long Pipeline filter	Long Pipeline Breach	filter_82201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_82201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_82201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_82201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81301-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81301-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81301-12-6	324,1645678

Long Pipeline filter	Long Pipeline Breach	filter_81301-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81401-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81401-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81401-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81401-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_81101-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_81101-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_82101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_82101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_82101-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_82101-12-6	324,1645678
Long Pipeline A1A	Long Pipeline Breach	A1A Tubing blow	255
Long Pipeline A1A	Long Pipeline Breach	A1A Tubing blow	304
Long Pipeline A1B	Long Pipeline Breach	A1B Tubing blow	255
Long Pipeline A1B	Long Pipeline Breach	A1B Tubing blow	304
Long Pipeline A2A	Long Pipeline Breach	A2A Tubing blow	255
Long Pipeline A2A	Long Pipeline Breach	A2A Tubing blow	304
Long Pipeline A2B	Long Pipeline Breach	A2B Tubing blow	255
Long Pipeline A2B	Long Pipeline Breach	A2B Tubing blow	304
Long Pipeline A3A	Long Pipeline Breach	A3A Tubing blow	255
Long Pipeline A3A	Long Pipeline Breach	A3A Tubing blow	304
Long Pipeline A3B	Long Pipeline Breach	A3B Tubing blow	255
Long Pipeline A3B	Long Pipeline Breach	A3B Tubing blow	304
Long Pipeline A4A	Long Pipeline Breach	A4A Tubing blow	255
Long Pipeline A4A	Long Pipeline Breach	A4A Tubing blow	304
Long Pipeline A4B	Long Pipeline Breach	A4B Tubing blow	255
Long Pipeline A4B	Long Pipeline Breach	A4B Tubing blow	304
Long Pipeline A6A	Long Pipeline Breach	A6A Tubing blow	255
Long Pipeline A6A	Long Pipeline Breach	A6A Tubing blow	304
Long Pipeline A6B	Long Pipeline Breach	A6B Tubing blow	255
Long Pipeline A6B	Long Pipeline Breach	A6B Tubing blow	304
Long Pipeline A7A	Long Pipeline Breach	A7A Tubing blow	255
Long Pipeline A7A	Long Pipeline Breach	A7A Tubing blow	304
Long Pipeline A7B	Long Pipeline Breach	A7B Tubing blow	255
Long Pipeline A7B	Long Pipeline Breach	A7B Tubing blow	304
Long Pipeline filter	Long Pipeline Breach	filter_60101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60101-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60101-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60101-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60201-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60201-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60301-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60301-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach	filter_60301-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60301-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach	filter_60401-12-6	323,2892204

Long Pipeline filter	Long Pipeline Breach filter_60401-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach filter_60401-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_60401-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_60501-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach filter_60501-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach filter_60501-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_60501-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_60601-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach filter_60601-12-6	323,2892204
Long Pipeline filter	Long Pipeline Breach filter_60601-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_60601-12-6	324,1645678
Long Pipeline filter	Long Pipeline Breach filter_91105-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91105-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91105-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_91105-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_91205-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91205-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91205-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_91205-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_92105-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_92105-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_92105-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_92105-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_92205-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_92205-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_92205-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_92205-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_91305-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91305-16-1	406,8823138
Long Pipeline filter	Long Pipeline Breach filter_91305-16-1	406,1891284
Long Pipeline filter	Long Pipeline Breach filter_91305-16-1	406,1891284
Long Pipeline C1_2	Long Pipeline Breach C1_2-10-170-BG	272,791743
Long Pipeline C1_2	Long Pipeline Breach C1_2-10-170-BG	272,791743
Long Pipeline C1_2	Long Pipeline Breach C1_2-10-170-BG	273,1998463
Long Pipeline C1_2	Long Pipeline Breach C1_2-10-170-BG	273,1998463
Long Pipeline C1_3	Long Pipeline Breach C1_3-10-170-BG	272,791743
Long Pipeline C1_3	Long Pipeline Breach C1_3-10-170-BG	272,791743
Long Pipeline C1_3	Long Pipeline Breach C1_3-10-170-BG	273,1998463
Long Pipeline C1_3	Long Pipeline Breach C1_3-10-170-BG	273,1998463
Long Pipeline C1_4	Long Pipeline Breach C1_4-10-170-BG	272,791743
Long Pipeline C1_4	Long Pipeline Breach C1_4-10-170-BG	272,791743
Long Pipeline C1_4	Long Pipeline Breach C1_4-10-170-BG	273,1998463
Long Pipeline C1_4	Long Pipeline Breach C1_4-10-170-BG	273,1998463
Long Pipeline C1_5	Long Pipeline Breach C1_5-10-170-BG	272,791743
Long Pipeline C1_5	Long Pipeline Breach C1_5-10-170-BG	272,791743
Long Pipeline C1_5	Long Pipeline Breach C1_5-10-170-BG	273,1998463
Long Pipeline C1_5	Long Pipeline Breach C1_5-10-170-BG	273,1998463
Long Pipeline C1_6	Long Pipeline Breach C1_6-10-170-BG	272,791743
Long Pipeline C1_6	Long Pipeline Breach C1_6-10-170-BG	272,791743
Long Pipeline C1_6	Long Pipeline Breach C1_6-10-170-BG	273,1998463

Long Pipeline C1_6	Long Pipeline Breach C1_6-10-170-BG	273,1998463
Long Pipeline C1_7	Long Pipeline Breach C1_7-12-65-BG B	323,2892204
Long Pipeline C1_7	Long Pipeline Breach C1_7-12-65-BG B	323,2892204
Long Pipeline C1_7	Long Pipeline Breach C1_7-12-65-BG B	324,1645678
Long Pipeline C1_7	Long Pipeline Breach C1_7-12-65-BG B	324,1645678
Long Pipeline C1_8	Long Pipeline Breach C1_8-12-65-BG B	323,2892204
Long Pipeline C1_8	Long Pipeline Breach C1_8-12-65-BG B	323,2892204
Long Pipeline C1_8	Long Pipeline Breach C1_8-12-65-BG B	324,1645678
Long Pipeline C1_8	Long Pipeline Breach C1_8-12-65-BG B	324,1645678
Long Pipeline C2_2	Long Pipeline Breach C2_2-10-170-BG	272,791743
Long Pipeline C2_2	Long Pipeline Breach C2_2-10-170-BG	272,791743
Long Pipeline C2_2	Long Pipeline Breach C2_2-10-170-BG	273,1998463
Long Pipeline C2_2	Long Pipeline Breach C2_2-10-170-BG	273,1998463
Long Pipeline C2_3	Long Pipeline Breach C2_3-10-170-BG	272,791743
Long Pipeline C2_3	Long Pipeline Breach C2_3-10-170-BG	272,791743
Long Pipeline C2_3	Long Pipeline Breach C2_3-10-170-BG	273,1998463
Long Pipeline C2_3	Long Pipeline Breach C2_3-10-170-BG	273,1998463
Long Pipeline C2_4	Long Pipeline Breach C2_4-10-170-BG	272,791743
Long Pipeline C2_4	Long Pipeline Breach C2_4-10-170-BG	272,791743
Long Pipeline C2_4	Long Pipeline Breach C2_4-10-170-BG	273,1998463
Long Pipeline C2_4	Long Pipeline Breach C2_4-10-170-BG	273,1998463
Long Pipeline C2_5	Long Pipeline Breach C2_5-10-170-BG	272,791743
Long Pipeline C2_5	Long Pipeline Breach C2_5-10-170-BG	272,791743
Long Pipeline C2_5	Long Pipeline Breach C2_5-10-170-BG	273,1998463
Long Pipeline C2_5	Long Pipeline Breach C2_5-10-170-BG	273,1998463
Long Pipeline C2_6	Long Pipeline Breach C2_6-10-170-BG	272,791743
Long Pipeline C2_6	Long Pipeline Breach C2_6-10-170-BG	272,791743
Long Pipeline C2_6	Long Pipeline Breach C2_6-10-170-BG	273,1998463
Long Pipeline C2_6	Long Pipeline Breach C2_6-10-170-BG	273,1998463
Long Pipeline C2_7	Long Pipeline Breach C2_7-12-65-BG B	323,2892204
Long Pipeline C2_7	Long Pipeline Breach C2_7-12-65-BG B	323,2892204
Long Pipeline C2_7	Long Pipeline Breach C2_7-12-65-BG B	324,1645678
Long Pipeline C2_7	Long Pipeline Breach C2_7-12-65-BG B	324,1645678
Long Pipeline C2_8	Long Pipeline Breach C2_8-12-65-BG B	323,2892204
Long Pipeline C2_8	Long Pipeline Breach C2_8-12-65-BG B	323,2892204
Long Pipeline C2_8	Long Pipeline Breach C2_8-12-65-BG B	324,1645678
Long Pipeline C2_8	Long Pipeline Breach C2_8-12-65-BG B	324,1645678
Long Pipeline C3_2	Long Pipeline Breach C3_2-10-170-BG	272,791743
Long Pipeline C3_2	Long Pipeline Breach C3_2-10-170-BG	272,791743
Long Pipeline C3_2	Long Pipeline Breach C3_2-10-170-BG	273,1998463
Long Pipeline C3_2	Long Pipeline Breach C3_2-10-170-BG	273,1998463
Long Pipeline C3_3	Long Pipeline Breach C3_3-10-170-BG	272,791743
Long Pipeline C3_3	Long Pipeline Breach C3_3-10-170-BG	272,791743
Long Pipeline C3_3	Long Pipeline Breach C3_3-10-170-BG	273,1998463
Long Pipeline C3_3	Long Pipeline Breach C3_3-10-170-BG	273,1998463
Long Pipeline C3_4	Long Pipeline Breach C3_4-10-170-BG	272,791743
Long Pipeline C3_4	Long Pipeline Breach C3_4-10-170-BG	272,791743
Long Pipeline C3_4	Long Pipeline Breach C3_4-10-170-BG	273,1998463
Long Pipeline C3_4	Long Pipeline Breach C3_4-10-170-BG	273,1998463
Long Pipeline C3_5	Long Pipeline Breach C3_5-10-170-BG	272,791743

Long Pipeline C3_5	Long Pipeline Breach C3_5-10-170-BG	272,791743
Long Pipeline C3_5	Long Pipeline Breach C3_5-10-170-BG	273,1998463
Long Pipeline C3_5	Long Pipeline Breach C3_5-10-170-BG	273,1998463
Long Pipeline C3_6	Long Pipeline Breach C3_6-10-170-BG	272,791743
Long Pipeline C3_6	Long Pipeline Breach C3_6-10-170-BG	272,791743
Long Pipeline C3_6	Long Pipeline Breach C3_6-10-170-BG	273,1998463
Long Pipeline C3_6	Long Pipeline Breach C3_6-10-170-BG	273,1998463
Long Pipeline C3_7	Long Pipeline Breach C3_7-12-65-BG B	323,2892204
Long Pipeline C3_7	Long Pipeline Breach C3_7-12-65-BG B	323,2892204
Long Pipeline C3_7	Long Pipeline Breach C3_7-12-65-BG B	324,1645678
Long Pipeline C3_7	Long Pipeline Breach C3_7-12-65-BG B	324,1645678
Long Pipeline C3_8	Long Pipeline Breach C3_8-12-65-BG B	323,2892204
Long Pipeline C3_8	Long Pipeline Breach C3_8-12-65-BG B	323,2892204
Long Pipeline C3_8	Long Pipeline Breach C3_8-12-65-BG B	324,1645678
Long Pipeline C3_8	Long Pipeline Breach C3_8-12-65-BG B	324,1645678
Long Pipeline C4_3	Long Pipeline Breach C4_3-10-170-BG	272,791743
Long Pipeline C4_3	Long Pipeline Breach C4_3-10-170-BG	272,791743
Long Pipeline C4_3	Long Pipeline Breach C4_3-10-170-BG	273,1998463
Long Pipeline C4_3	Long Pipeline Breach C4_3-10-170-BG	273,1998463
Long Pipeline C4_4	Long Pipeline Breach C4_4-10-170-BG	272,791743
Long Pipeline C4_4	Long Pipeline Breach C4_4-10-170-BG	272,791743
Long Pipeline C4_4	Long Pipeline Breach C4_4-10-170-BG	273,1998463
Long Pipeline C4_4	Long Pipeline Breach C4_4-10-170-BG	273,1998463
Long Pipeline C4_5	Long Pipeline Breach C4_5-10-170-BG	272,791743
Long Pipeline C4_5	Long Pipeline Breach C4_5-10-170-BG	272,791743
Long Pipeline C4_5	Long Pipeline Breach C4_5-10-170-BG	273,1998463
Long Pipeline C4_5	Long Pipeline Breach C4_5-10-170-BG	273,1998463
Long Pipeline C4_6	Long Pipeline Breach C4_6-10-170-BG	272,791743
Long Pipeline C4_6	Long Pipeline Breach C4_6-10-170-BG	272,791743
Long Pipeline C4_6	Long Pipeline Breach C4_6-10-170-BG	273,1998463
Long Pipeline C4_6	Long Pipeline Breach C4_6-10-170-BG	273,1998463
Long Pipeline C4_7	Long Pipeline Breach C4_7-12-65-BG B	323,2892204
Long Pipeline C4_7	Long Pipeline Breach C4_7-12-65-BG B	323,2892204
Long Pipeline C4_7	Long Pipeline Breach C4_7-12-65-BG B	324,1645678
Long Pipeline C4_7	Long Pipeline Breach C4_7-12-65-BG B	324,1645678
Long Pipeline C4_8	Long Pipeline Breach C4_8-12-65-BG B	323,2892204
Long Pipeline C4_8	Long Pipeline Breach C4_8-12-65-BG B	323,2892204
Long Pipeline C4_8	Long Pipeline Breach C4_8-12-65-BG B	324,1645678
Long Pipeline C4_8	Long Pipeline Breach C4_8-12-65-BG B	324,1645678
Long Pipeline C5_1	Long Pipeline Breach C5_1-10-170-BG	272,791743
Long Pipeline C5_1	Long Pipeline Breach C5_1-10-170-BG	272,791743
Long Pipeline C5_1	Long Pipeline Breach C5_1-10-170-BG	273,1998463
Long Pipeline C5_1	Long Pipeline Breach C5_1-10-170-BG	273,1998463
Long Pipeline C5_2	Long Pipeline Breach C5_2-10-170-BG	272,791743
Long Pipeline C5_2	Long Pipeline Breach C5_2-10-170-BG	272,791743
Long Pipeline C5_2	Long Pipeline Breach C5_2-10-170-BG	273,1998463
Long Pipeline C5_2	Long Pipeline Breach C5_2-10-170-BG	273,1998463
Long Pipeline C6_1	Long Pipeline Breach C6_1-10-170-BG	272,791743
Long Pipeline C6_1	Long Pipeline Breach C6_1-10-170-BG	272,791743
Long Pipeline C6_1	Long Pipeline Breach C6_1-10-170-BG	273,1998463

Long Pipeline C6_1	Long Pipeline Breach	C6_1-10-170-BG	273,1998463
Long Pipeline C6_2	Long Pipeline Breach	C6_2-10-170-BG	272,791743
Long Pipeline C6_2	Long Pipeline Breach	C6_2-10-170-BG	272,791743
Long Pipeline C6_2	Long Pipeline Breach	C6_2-10-170-BG	273,1998463
Long Pipeline C6_2	Long Pipeline Breach	C6_2-10-170-BG	273,1998463
Long Pipeline C5_3	Long Pipeline Breach	C5_3-10-170-BG	272,791743
Long Pipeline C5_3	Long Pipeline Breach	C5_3-10-170-BG	272,791743
Long Pipeline C5_3	Long Pipeline Breach	C5_3-10-170-BG	273,1998463
Long Pipeline C5_3	Long Pipeline Breach	C5_3-10-170-BG	273,1998463
Long Pipeline C5_4	Long Pipeline Breach	C5_4-10-170-BG	272,791743
Long Pipeline C5_4	Long Pipeline Breach	C5_4-10-170-BG	272,791743
Long Pipeline C5_4	Long Pipeline Breach	C5_4-10-170-BG	273,1998463
Long Pipeline C5_4	Long Pipeline Breach	C5_4-10-170-BG	273,1998463
Long Pipeline C5_5	Long Pipeline Breach	C5_5-10-170-BG	272,791743
Long Pipeline C5_5	Long Pipeline Breach	C5_5-10-170-BG	272,791743
Long Pipeline C5_5	Long Pipeline Breach	C5_5-10-170-BG	273,1998463
Long Pipeline C5_5	Long Pipeline Breach	C5_5-10-170-BG	273,1998463
Long Pipeline C5_6	Long Pipeline Breach	C5_6-10-170-BG	272,791743
Long Pipeline C5_6	Long Pipeline Breach	C5_6-10-170-BG	272,791743
Long Pipeline C5_6	Long Pipeline Breach	C5_6-10-170-BG	273,1998463
Long Pipeline C5_6	Long Pipeline Breach	C5_6-10-170-BG	273,1998463
Long Pipeline C5_7	Long Pipeline Breach	C5_7-12-65-BG B	323,2892204
Long Pipeline C5_7	Long Pipeline Breach	C5_7-12-65-BG B	323,2892204
Long Pipeline C5_7	Long Pipeline Breach	C5_7-12-65-BG B	324,1645678
Long Pipeline C5_7	Long Pipeline Breach	C5_7-12-65-BG B	324,1645678
Long Pipeline C5_8	Long Pipeline Breach	C5_8-12-65-BG B	323,2892204
Long Pipeline C5_8	Long Pipeline Breach	C5_8-12-65-BG B	323,2892204
Long Pipeline C5_8	Long Pipeline Breach	C5_8-12-65-BG B	324,1645678
Long Pipeline C5_8	Long Pipeline Breach	C5_8-12-65-BG B	324,1645678
Long Pipeline C6_3	Long Pipeline Breach	C6_3-10-170-BG	272,791743
Long Pipeline C6_3	Long Pipeline Breach	C6_3-10-170-BG	272,791743
Long Pipeline C6_3	Long Pipeline Breach	C6_3-10-170-BG	273,1998463
Long Pipeline C6_3	Long Pipeline Breach	C6_3-10-170-BG	273,1998463
Long Pipeline C6_4	Long Pipeline Breach	C6_4-10-170-BG	272,791743
Long Pipeline C6_4	Long Pipeline Breach	C6_4-10-170-BG	272,791743
Long Pipeline C6_4	Long Pipeline Breach	C6_4-10-170-BG	273,1998463
Long Pipeline C6_4	Long Pipeline Breach	C6_4-10-170-BG	273,1998463
Long Pipeline C6_5	Long Pipeline Breach	C6_5-10-170-BG	272,791743
Long Pipeline C6_5	Long Pipeline Breach	C6_5-10-170-BG	272,791743
Long Pipeline C6_5	Long Pipeline Breach	C6_5-10-170-BG	273,1998463
Long Pipeline C6_5	Long Pipeline Breach	C6_5-10-170-BG	273,1998463
Long Pipeline C6_6	Long Pipeline Breach	C6_6-10-170-BG	272,791743
Long Pipeline C6_6	Long Pipeline Breach	C6_6-10-170-BG	272,791743
Long Pipeline C6_6	Long Pipeline Breach	C6_6-10-170-BG	273,1998463
Long Pipeline C6_6	Long Pipeline Breach	C6_6-10-170-BG	273,1998463
Long Pipeline L1_2	Long Pipeline Breach	L1_2-16-170-BG	406,8823138
Long Pipeline L1_2	Long Pipeline Breach	L1_2-16-170-BG	406,8823138
Long Pipeline L1_2	Long Pipeline Breach	L1_2-16-170-BG	406,1891284
Long Pipeline L1_2	Long Pipeline Breach	L1_2-16-170-BG	406,1891284
Long Pipeline G2_1	Long Pipeline Breach	G2_1-20-65-BG B	508,2945546

Long Pipeline G2_1	Long Pipeline Breach	G2_1-20-65-BG B	508,2945546
Long Pipeline G2_1	Long Pipeline Breach	G2_1-20-65-BG B	508,2197389
Long Pipeline G2_1	Long Pipeline Breach	G2_1-20-65-BG B	508,2197389
Long Pipeline L5_2	Long Pipeline Breach	L5_2-16-170-BG	406,8823138
Long Pipeline L5_2	Long Pipeline Breach	L5_2-16-170-BG	406,8823138
Long Pipeline L5_2	Long Pipeline Breach	L5_2-16-170-BG	406,1891284
Long Pipeline L5_2	Long Pipeline Breach	L5_2-16-170-BG	406,1891284
Long Pipeline G3_1	Long Pipeline Breach	G3_1-20-65-BG B	508,2945546
Long Pipeline G3_1	Long Pipeline Breach	G3_1-20-65-BG B	508,2945546
Long Pipeline G3_1	Long Pipeline Breach	G3_1-20-65-BG B	508,2197389
Long Pipeline G3_1	Long Pipeline Breach	G3_1-20-65-BG B	508,2197389
Long Pipeline G3_3	Long Pipeline Breach	G3_3-20-65-BG B	508,2945546
Long Pipeline G3_3	Long Pipeline Breach	G3_3-20-65-BG B	508,2945546
Long Pipeline G3_3	Long Pipeline Breach	G3_3-20-65-BG B	508,2197389
Long Pipeline G3_3	Long Pipeline Breach	G3_3-20-65-BG B	508,2197389
Long Pipeline G4_1	Long Pipeline Breach	G4_1-20-65-BG B	508,2945546
Long Pipeline G4_1	Long Pipeline Breach	G4_1-20-65-BG B	508,2945546
Long Pipeline G4_1	Long Pipeline Breach	G4_1-20-65-BG B	508,2197389
Long Pipeline G4_1	Long Pipeline Breach	G4_1-20-65-BG B	508,2197389
Long Pipeline G4_3	Long Pipeline Breach	G4_3-20-65-BG B	508,2945546
Long Pipeline G4_3	Long Pipeline Breach	G4_3-20-65-BG B	508,2945546
Long Pipeline G4_3	Long Pipeline Breach	G4_3-20-65-BG B	508,2197389
Long Pipeline G4_3	Long Pipeline Breach	G4_3-20-65-BG B	508,2197389
Long Pipeline Gi-20	Long Pipeline Breach	Gi-20-65-BG BG E	508,2945546
Long Pipeline Gi-20	Long Pipeline Breach	Gi-20-65-BG BG E	508,2945546
Long Pipeline Gi-20	Long Pipeline Breach	Gi-20-65-BG BG E	508,2197389
Long Pipeline Gi-20	Long Pipeline Breach	Gi-20-65-BG BG E	508,2197389
Long Pipeline L2_2	Long Pipeline Breach	L2_2-16-170-BG	406,8823138
Long Pipeline L2_2	Long Pipeline Breach	L2_2-16-170-BG	406,8823138
Long Pipeline L2_2	Long Pipeline Breach	L2_2-16-170-BG	406,1891284
Long Pipeline L2_2	Long Pipeline Breach	L2_2-16-170-BG	406,1891284
Long Pipeline L3_2	Long Pipeline Breach	L3_2-16-170-BG	406,8823138
Long Pipeline L3_2	Long Pipeline Breach	L3_2-16-170-BG	406,8823138
Long Pipeline L3_2	Long Pipeline Breach	L3_2-16-170-BG	406,1891284
Long Pipeline L3_2	Long Pipeline Breach	L3_2-16-170-BG	406,1891284
Long Pipeline L4_2	Long Pipeline Breach	L4_2-16-170-BG	406,8823138
Long Pipeline L4_2	Long Pipeline Breach	L4_2-16-170-BG	406,8823138
Long Pipeline L4_2	Long Pipeline Breach	L4_2-16-170-BG	406,1891284
Long Pipeline L4_2	Long Pipeline Breach	L4_2-16-170-BG	406,1891284
Long Pipeline E1_1	Long Pipeline Breach	E1_1-20-170-BG	508,2945546
Long Pipeline E1_1	Long Pipeline Breach	E1_1-20-170-BG	508,2945546
Long Pipeline E1_1	Long Pipeline Breach	E1_1-20-170-BG	508,2197389
Long Pipeline E1_1	Long Pipeline Breach	E1_1-20-170-BG	508,2197389
Long Pipeline E1_2	Long Pipeline Breach	E1_2-20-170-BG	508,2945546
Long Pipeline E1_2	Long Pipeline Breach	E1_2-20-170-BG	508,2945546
Long Pipeline E1_2	Long Pipeline Breach	E1_2-20-170-BG	508,2197389
Long Pipeline E1_2	Long Pipeline Breach	E1_2-20-170-BG	508,2197389
Long Pipeline E1_4	Long Pipeline Breach	E1_4-20-65-BG B	508,2945546
Long Pipeline E1_4	Long Pipeline Breach	E1_4-20-65-BG B	508,2945546
Long Pipeline E1_4	Long Pipeline Breach	E1_4-20-65-BG B	508,2197389

Long Pipeline E1_4	Long Pipeline Breach	E1_4-20-65-BG B	508,2197389
Long Pipeline E2_1	Long Pipeline Breach	E2_1-20-170-BG	508,2945546
Long Pipeline E2_1	Long Pipeline Breach	E2_1-20-170-BG	508,2945546
Long Pipeline E2_1	Long Pipeline Breach	E2_1-20-170-BG	508,2197389
Long Pipeline E2_1	Long Pipeline Breach	E2_1-20-170-BG	508,2197389
Long Pipeline G2_3	Long Pipeline Breach	G2_3-20-65-BG B	508,2945546
Long Pipeline G2_3	Long Pipeline Breach	G2_3-20-65-BG B	508,2945546
Long Pipeline G2_3	Long Pipeline Breach	G2_3-20-65-BG B	508,2197389
Long Pipeline G2_3	Long Pipeline Breach	G2_3-20-65-BG B	508,2197389
Long Pipeline E2_3	Long Pipeline Breach	E2_3-20-170-BG	508,2945546
Long Pipeline E2_3	Long Pipeline Breach	E2_3-20-170-BG	508,2945546
Long Pipeline E2_3	Long Pipeline Breach	E2_3-20-170-BG	508,2197389
Long Pipeline E2_3	Long Pipeline Breach	E2_3-20-170-BG	508,2197389
Long Pipeline E2_2	Long Pipeline Breach	E2_2-20-170-BG	508,2945546
Long Pipeline E2_2	Long Pipeline Breach	E2_2-20-170-BG	508,2945546
Long Pipeline E2_2	Long Pipeline Breach	E2_2-20-170-BG	508,2197389
Long Pipeline E2_2	Long Pipeline Breach	E2_2-20-170-BG	508,2197389
Long Pipeline E2_6	Long Pipeline Breach	E2_6-20-65-BG B	508,2945546
Long Pipeline E2_6	Long Pipeline Breach	E2_6-20-65-BG B	508,2945546
Long Pipeline E2_6	Long Pipeline Breach	E2_6-20-65-BG B	508,2197389
Long Pipeline E2_6	Long Pipeline Breach	E2_6-20-65-BG B	508,2197389
Long Pipeline E3_1	Long Pipeline Breach	E3_1-20-170-BG	508,2945546
Long Pipeline E3_1	Long Pipeline Breach	E3_1-20-170-BG	508,2945546
Long Pipeline E3_1	Long Pipeline Breach	E3_1-20-170-BG	508,2197389
Long Pipeline E3_1	Long Pipeline Breach	E3_1-20-170-BG	508,2197389
Long Pipeline E3_2	Long Pipeline Breach	E3_2-20-170-BG	508,2945546
Long Pipeline E3_2	Long Pipeline Breach	E3_2-20-170-BG	508,2945546
Long Pipeline E3_2	Long Pipeline Breach	E3_2-20-170-BG	508,2197389
Long Pipeline E3_2	Long Pipeline Breach	E3_2-20-170-BG	508,2197389
Long Pipeline E3_4	Long Pipeline Breach	E3_4-20-65-BG B	508,2945546
Long Pipeline E3_4	Long Pipeline Breach	E3_4-20-65-BG B	508,2945546
Long Pipeline E3_4	Long Pipeline Breach	E3_4-20-65-BG B	508,2197389
Long Pipeline E3_4	Long Pipeline Breach	E3_4-20-65-BG B	508,2197389
Long Pipeline E4_1	Long Pipeline Breach	E4_1-20-170-BG	508,2945546
Long Pipeline E4_1	Long Pipeline Breach	E4_1-20-170-BG	508,2945546
Long Pipeline E4_1	Long Pipeline Breach	E4_1-20-170-BG	508,2197389
Long Pipeline E4_1	Long Pipeline Breach	E4_1-20-170-BG	508,2197389
Long Pipeline E4_2	Long Pipeline Breach	E4_2-20-170-BG	508,2945546
Long Pipeline E4_2	Long Pipeline Breach	E4_2-20-170-BG	508,2945546
Long Pipeline E4_2	Long Pipeline Breach	E4_2-20-170-BG	508,2197389
Long Pipeline E4_2	Long Pipeline Breach	E4_2-20-170-BG	508,2197389
Long Pipeline E4_4	Long Pipeline Breach	E4_4-20-65-BG B	508,2945546
Long Pipeline E4_4	Long Pipeline Breach	E4_4-20-65-BG B	508,2945546
Long Pipeline E4_4	Long Pipeline Breach	E4_4-20-65-BG B	508,2197389
Long Pipeline E4_4	Long Pipeline Breach	E4_4-20-65-BG B	508,2197389
Long Pipeline E5_1	Long Pipeline Breach	E5_1-20-170-BG	508,2945546
Long Pipeline E5_1	Long Pipeline Breach	E5_1-20-170-BG	508,2945546
Long Pipeline E5_1	Long Pipeline Breach	E5_1-20-170-BG	508,2197389
Long Pipeline E5_1	Long Pipeline Breach	E5_1-20-170-BG	508,2197389
Long Pipeline E5_2	Long Pipeline Breach	E5_2-20-170-BG	508,2945546

Long Pipeline E5_2	Long Pipeline Breach	E5_2-20-170-BG	508,2945546
Long Pipeline E5_2	Long Pipeline Breach	E5_2-20-170-BG	508,2197389
Long Pipeline E5_2	Long Pipeline Breach	E5_2-20-170-BG	508,2197389
Long Pipeline E5_3	Long Pipeline Breach	E5_3-20-170-BG	508,2945546
Long Pipeline E5_3	Long Pipeline Breach	E5_3-20-170-BG	508,2945546
Long Pipeline E5_3	Long Pipeline Breach	E5_3-20-170-BG	508,2197389
Long Pipeline E5_3	Long Pipeline Breach	E5_3-20-170-BG	508,2197389
Long Pipeline E5_4	Long Pipeline Breach	E5_4-20-170-BG	508,2945546
Long Pipeline E5_4	Long Pipeline Breach	E5_4-20-170-BG	508,2945546
Long Pipeline E5_4	Long Pipeline Breach	E5_4-20-170-BG	508,2197389
Long Pipeline E5_4	Long Pipeline Breach	E5_4-20-170-BG	508,2197389
Long Pipeline E6_1	Long Pipeline Breach	E6_1-20-170-BG	508,2945546
Long Pipeline E6_1	Long Pipeline Breach	E6_1-20-170-BG	508,2945546
Long Pipeline E6_1	Long Pipeline Breach	E6_1-20-170-BG	508,2197389
Long Pipeline E6_1	Long Pipeline Breach	E6_1-20-170-BG	508,2197389
Long Pipeline E2_4	Long Pipeline Breach	E2_4-20-170-BG	508,2945546
Long Pipeline E2_4	Long Pipeline Breach	E2_4-20-170-BG	508,2945546
Long Pipeline E2_4	Long Pipeline Breach	E2_4-20-170-BG	508,2197389
Long Pipeline E2_4	Long Pipeline Breach	E2_4-20-170-BG	508,2197389
Long Pipeline E6_2	Long Pipeline Breach	E6_2-20-170-BG	508,2945546
Long Pipeline E6_2	Long Pipeline Breach	E6_2-20-170-BG	508,2945546
Long Pipeline E6_2	Long Pipeline Breach	E6_2-20-170-BG	508,2197389
Long Pipeline E6_2	Long Pipeline Breach	E6_2-20-170-BG	508,2197389
Long Pipeline E6_4	Long Pipeline Breach	E6_4-20-65-BG B	508,2945546
Long Pipeline E6_4	Long Pipeline Breach	E6_4-20-65-BG B	508,2945546
Long Pipeline E6_4	Long Pipeline Breach	E6_4-20-65-BG B	508,2197389
Long Pipeline E6_4	Long Pipeline Breach	E6_4-20-65-BG B	508,2197389
Long Pipeline G1_1	Long Pipeline Breach	G1_1-20-65-BG B	508,2945546
Long Pipeline G1_1	Long Pipeline Breach	G1_1-20-65-BG B	508,2945546
Long Pipeline G1_1	Long Pipeline Breach	G1_1-20-65-BG B	508,2197389
Long Pipeline G1_1	Long Pipeline Breach	G1_1-20-65-BG B	508,2197389
Long Pipeline G1_3	Long Pipeline Breach	G1_3-20-65-BG B	508,2945546
Long Pipeline G1_3	Long Pipeline Breach	G1_3-20-65-BG B	508,2945546
Long Pipeline G1_3	Long Pipeline Breach	G1_3-20-65-BG B	508,2197389
Long Pipeline G1_3	Long Pipeline Breach	G1_3-20-65-BG B	508,2197389
Long Pipeline In5_	Long Pipeline Breach	In5_4-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_4-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_4-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_4-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_2-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_2-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_2-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_2-16-170-BG	406,1891284
Long Pipeline I_5-2	Long Pipeline Breach	I_5-20-65-BG BG	508,2945546
Long Pipeline I_5-2	Long Pipeline Breach	I_5-20-65-BG BG	508,2945546
Long Pipeline I_5-2	Long Pipeline Breach	I_5-20-65-BG BG	508,2197389
Long Pipeline I_5-2	Long Pipeline Breach	I_5-20-65-BG BG	508,2197389
Long Pipeline I_6-2	Long Pipeline Breach	I_6-20-65-BG BG	508,2945546
Long Pipeline I_6-2	Long Pipeline Breach	I_6-20-65-BG BG	508,2945546
Long Pipeline I_6-2	Long Pipeline Breach	I_6-20-65-BG BG	508,2197389

Long Pipeline I_6-2	Long Pipeline Breach	I_6-20-65-BG	508,2197389
Long Pipeline I_7-2	Long Pipeline Breach	I_7-20-65-BG	508,2945546
Long Pipeline I_7-2	Long Pipeline Breach	I_7-20-65-BG	508,2945546
Long Pipeline I_7-2	Long Pipeline Breach	I_7-20-65-BG	508,2197389
Long Pipeline I_7-2	Long Pipeline Breach	I_7-20-65-BG	508,2197389
Long Pipeline I_8-2	Long Pipeline Breach	I_8-20-65-BG	508,2945546
Long Pipeline I_8-2	Long Pipeline Breach	I_8-20-65-BG	508,2945546
Long Pipeline I_8-2	Long Pipeline Breach	I_8-20-65-BG	508,2197389
Long Pipeline I_8-2	Long Pipeline Breach	I_8-20-65-BG	508,2197389
Long Pipeline In5_	Long Pipeline Breach	In5_6-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_6-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_6-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_6-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_1-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_1-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_1-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_1-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_2-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_2-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_2-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_2-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_4-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_4-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_4-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_4-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_6-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_6-16-170-BG	406,8823138
Long Pipeline In4_	Long Pipeline Breach	In4_6-16-170-BG	406,1891284
Long Pipeline In4_	Long Pipeline Breach	In4_6-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_1-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_1-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_1-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_1-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_2-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_2-16-170-BG	406,8823138
Long Pipeline In5_	Long Pipeline Breach	In5_2-16-170-BG	406,1891284
Long Pipeline In5_	Long Pipeline Breach	In5_2-16-170-BG	406,1891284
Long Pipeline C1_1	Long Pipeline Breach	C1_1-10-170-BG	272,791743
Long Pipeline C1_1	Long Pipeline Breach	C1_1-10-170-BG	272,791743
Long Pipeline C1_1	Long Pipeline Breach	C1_1-10-170-BG	273,1998463
Long Pipeline C1_1	Long Pipeline Breach	C1_1-10-170-BG	273,1998463
Long Pipeline In2_	Long Pipeline Breach	In2_1-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_1-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_1-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_1-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_2-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_2-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_2-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_2-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_6-16-170-BG	406,8823138

Long Pipeline In1_	Long Pipeline Breach	In1_6-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_6-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_6-16-170-BG	406,1891284
Long Pipeline E5_6	Long Pipeline Breach	E5_6-20-65-BG B	508,2945546
Long Pipeline E5_6	Long Pipeline Breach	E5_6-20-65-BG B	508,2945546
Long Pipeline E5_6	Long Pipeline Breach	E5_6-20-65-BG B	508,2197389
Long Pipeline E5_6	Long Pipeline Breach	E5_6-20-65-BG B	508,2197389
Long Pipeline C6_8	Long Pipeline Breach	C6_8-12-65-BG B	323,2892204
Long Pipeline C6_8	Long Pipeline Breach	C6_8-12-65-BG B	323,2892204
Long Pipeline C6_8	Long Pipeline Breach	C6_8-12-65-BG B	324,1645678
Long Pipeline C6_8	Long Pipeline Breach	C6_8-12-65-BG B	324,1645678
Long Pipeline C2_1	Long Pipeline Breach	C2_1-10-170-BG	272,791743
Long Pipeline C2_1	Long Pipeline Breach	C2_1-10-170-BG	272,791743
Long Pipeline C2_1	Long Pipeline Breach	C2_1-10-170-BG	273,1998463
Long Pipeline C2_1	Long Pipeline Breach	C2_1-10-170-BG	273,1998463
Long Pipeline C3_1	Long Pipeline Breach	C3_1-10-170-BG	272,791743
Long Pipeline C3_1	Long Pipeline Breach	C3_1-10-170-BG	272,791743
Long Pipeline C3_1	Long Pipeline Breach	C3_1-10-170-BG	273,1998463
Long Pipeline C3_1	Long Pipeline Breach	C3_1-10-170-BG	273,1998463
Long Pipeline C4_1	Long Pipeline Breach	C4_1-10-170-BG	272,791743
Long Pipeline C4_1	Long Pipeline Breach	C4_1-10-170-BG	272,791743
Long Pipeline C4_1	Long Pipeline Breach	C4_1-10-170-BG	273,1998463
Long Pipeline C4_1	Long Pipeline Breach	C4_1-10-170-BG	273,1998463
Long Pipeline C4_2	Long Pipeline Breach	C4_2-10-170-BG	272,791743
Long Pipeline C4_2	Long Pipeline Breach	C4_2-10-170-BG	272,791743
Long Pipeline C4_2	Long Pipeline Breach	C4_2-10-170-BG	273,1998463
Long Pipeline C4_2	Long Pipeline Breach	C4_2-10-170-BG	273,1998463
Long Pipeline In3_	Long Pipeline Breach	In3_2-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_2-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_2-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_2-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_4-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_4-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_4-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_4-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_4-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_4-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_4-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_4-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_6-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_6-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_6-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_6-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_1-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_1-16-170-BG	406,8823138
Long Pipeline In1_	Long Pipeline Breach	In1_1-16-170-BG	406,1891284
Long Pipeline In1_	Long Pipeline Breach	In1_1-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_6-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_6-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_6-16-170-BG	406,1891284

Long Pipeline In2_	Long Pipeline Breach	In2_6-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_1-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_1-16-170-BG	406,8823138
Long Pipeline In3_	Long Pipeline Breach	In3_1-16-170-BG	406,1891284
Long Pipeline In3_	Long Pipeline Breach	In3_1-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_4-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_4-16-170-BG	406,8823138
Long Pipeline In2_	Long Pipeline Breach	In2_4-16-170-BG	406,1891284
Long Pipeline In2_	Long Pipeline Breach	In2_4-16-170-BG	406,1891284
Long Pipeline stra	Long Pipeline Breach	straat_I_1-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_1-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_1-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_1-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_3-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_3-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_3-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_3-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_4-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_4-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_4-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_4-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_2-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_2-20-65-	508,2945546
Long Pipeline stra	Long Pipeline Breach	straat_I_2-20-65-	508,2197389
Long Pipeline stra	Long Pipeline Breach	straat_I_2-20-65-	508,2197389
Long Pipeline kopp	Long Pipeline Breach	koppeling-20-65-	508,2945546
Long Pipeline kopp	Long Pipeline Breach	koppeling-20-65-	508,2945546
Long Pipeline kopp	Long Pipeline Breach	koppeling-20-65-	508,2197389
Long Pipeline kopp	Long Pipeline Breach	koppeling-20-65-	508,2197389
Long Pipeline kopp	Long Pipeline Breach	koppeling2-20-65	508,2945546
Long Pipeline kopp	Long Pipeline Breach	koppeling2-20-65	508,2945546
Long Pipeline kopp	Long Pipeline Breach	koppeling2-20-65	508,2197389
Long Pipeline kopp	Long Pipeline Breach	koppeling2-20-65	508,2197389
Long Pipeline K_3-	Long Pipeline Breach	K_3-30-65-OG OC	1077,41345
Long Pipeline K_4-	Long Pipeline Breach	K_4-30-65-OG OC	1077,41345
Long Pipeline A7-1	Long Pipeline Breach	A7-16-170-OG OC	574,4381742
Long Pipeline A7-1	Long Pipeline Breach	A7-16-170-OG OC	574,4381742
Long Pipeline G2_2	Long Pipeline Breach	G2_2-20-65-OG C	718,7312474
Long Pipeline G3_2	Long Pipeline Breach	G3_2-20-65-OG C	718,7312474
Long Pipeline G4_2	Long Pipeline Breach	G4_2-20-65-OG C	718,7312474
Long Pipeline A6-1	Long Pipeline Breach	A6-16-170-OG OC	574,4381742
Long Pipeline A6-1	Long Pipeline Breach	A6-16-170-OG OC	574,4381742
Long Pipeline A4-1	Long Pipeline Breach	A4-16-170-OG OC	574,4381742
Long Pipeline A4-1	Long Pipeline Breach	A4-16-170-OG OC	574,4381742
Long Pipeline A3-1	Long Pipeline Breach	A3-16-170-OG OC	574,4381742
Long Pipeline A3-1	Long Pipeline Breach	A3-16-170-OG OC	574,4381742
Long Pipeline E1_3	Long Pipeline Breach	E1_3-20-65-OG C	718,7312474
Long Pipeline E2_5	Long Pipeline Breach	E2_5-20-65-OG C	718,7312474
Long Pipeline E3_3	Long Pipeline Breach	E3_3-20-65-OG C	718,7312474
Long Pipeline E4_3	Long Pipeline Breach	E4_3-20-65-OG C	718,7312474

Long Pipeline E5_5	Long Pipeline Breach	E5_5-20-65-OG C	718,7312474
Long Pipeline E6_3	Long Pipeline Breach	E6_3-20-65-OG C	718,7312474
Long Pipeline G1_2	Long Pipeline Breach	G1_2-20-65-OG C	718,7312474
Long Pipeline H_1-	Long Pipeline Breach	H_1-30-170-OG C	1077,41345
Long Pipeline H_2-	Long Pipeline Breach	H_2-30-65-OG OC	1077,41345
Long Pipeline H_3-	Long Pipeline Breach	H_3-30-170-OG C	1077,41345
Long Pipeline H_4-	Long Pipeline Breach	H_4-30-65-OG OC	1077,41345
Long Pipeline H_5-	Long Pipeline Breach	H_5-30-170-OG C	1077,41345
Long Pipeline H_6-	Long Pipeline Breach	H_6-30-170-OG C	1077,41345
Long Pipeline In5_	Long Pipeline Breach	In5_5-16-170-OG	574,4381742
Long Pipeline In4_	Long Pipeline Breach	In4_3-16-170-OG	574,4381742
Long Pipeline In4_	Long Pipeline Breach	In4_5-16-170-OG	574,4381742
Long Pipeline In5_	Long Pipeline Breach	In5_3-16-170-OG	574,4381742
Long Pipeline K_1-	Long Pipeline Breach	K_1-30-65-OG OC	1077,41345
Long Pipeline T-20	Long Pipeline Breach	T-20-65-OG OG B	718,7312474
Long Pipeline K_2-	Long Pipeline Breach	K_2-30-65-OG OC	1077,41345
Long Pipeline K_5-	Long Pipeline Breach	K_5-30-65-OG OC	1077,41345
Long Pipeline K_6-	Long Pipeline Breach	K_6-30-65-OG OC	1077,41345
Long Pipeline A2-1	Long Pipeline Breach	A2-16-170-OG OC	574,4381742
Long Pipeline A2-1	Long Pipeline Breach	A2-16-170-OG OC	574,4381742
Long Pipeline A1-1	Long Pipeline Breach	A1-16-170-OG OC	574,4381742
Long Pipeline A1-1	Long Pipeline Breach	A1-16-170-OG OC	574,4381742
Long Pipeline In1_	Long Pipeline Breach	In1_3-16-170-OG	574,4381742
Long Pipeline In3_	Long Pipeline Breach	In3_3-16-170-OG	574,4381742
Long Pipeline In3_	Long Pipeline Breach	In3_5-16-170-OG	574,4381742
Long Pipeline In2_	Long Pipeline Breach	In2_5-16-170-OG	574,4381742
Long Pipeline In1_	Long Pipeline Breach	In1_5-16-170-OG	574,4381742
Long Pipeline In2_	Long Pipeline Breach	In2_3-16-170-OG	574,4381742

Scenario

	Release location		Direction
Relative breach aperture (area)	**Distance to break**	**Elevation**	**Outdoor release direction**
fraction	m	m	
0,125	32000		
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	Crater modelling	Event frequency
Outdoor release angle	Accident type for buried sections	Event frequency
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Risk

Event probability (probability of this event compared with others

Event probability

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		Mat
Immediate ignition probabilities		Mat
Probability of immediate ignition	Immediate ignition probability	Material to track
	fraction	

erial	Long pipe
erial	Crater modelling
Type of risk effects to model	Fracture length
	m

Time varying releases

Time averaging

Method for calculating average rate	Expected number of average rates	Time at which release rate is calculated	First time value for rate between two times
		s	s

	User-defined dispersion scope (N.B Base		
Second time value for rate between two times	**Concentrations of interest**	**Distances of interest**	**Averaging time for concentrations and distances of interest**
s	ppm	m	

Dispersion

ed on the material to track)		lardised toxic threshold concentratio	
Specify user-defined averaging time	User defined averaging time	NLIV [1 hr]	IDLH [30 mins]
	s		

	Notes
ons and averaging	Invisible
STEL [15 mins]	Notes

Use	Study	Folder	Long pipeline	Auto-generated sections

	Breach data		
Name	**Breach sizing method**	**Hole diameter**	**Relative breach aperture (area)**
		mm	fraction

Scenario

Release location	Direction	
Elevation	**Outdoor release direction**	**Outdoor release angle**
m		deg

Crater modelling

Accident type for buried sections

Event probability (probability of this event compared with others
Event probability
fraction

Risk

Event detection		Event spacing	
Detection probability	**Detection time**	**Event spacing method**	**User-defined event spacing**
fraction	s		m

Immediate ignition probabilities	
Probability of immediate ignition	**Immediate ignition probability**
	fraction

Long pipe	Notes
Crater modelling	**Invisible**
Fracture length	**Notes**
m	

Use	Study	Folder	Route	Route segments
Yes	Study		BG Leidingen	Route segments
Yes	Study		BG Leidingen	Route segments
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Yes	Study	Flenzen	Route segments
Yes	Study	Flenzen	Route segments

	Route segme		
	Scenario group	Failure	
Name	Scenario group (containing scenarios for this segment)	Spacing of events	Failure frequency
		m	/AvgeYear
C1_2-10-170-BG -	Study\BG Leidingen\C1_2-10-170-BG	10	1
C1_3-10-170-BG -	Study\BG Leidingen\C1_3-10-170-BG	10	1
C1_4-10-170-BG -	Study\BG Leidingen\C1_4-10-170-BG	10	1
C1_5-10-170-BG -	Study\BG Leidingen\C1_5-10-170-BG	10	1
C1_6-10-170-BG -	Study\BG Leidingen\C1_6-10-170-BG	10	1
C1_7-12-65-BG - R	Study\BG Leidingen\C1_7-12-65-BG	1	1
C1_8-12-65-BG - R	Study\BG Leidingen\C1_8-12-65-BG	10	1
C2_2-10-170-BG -	Study\BG Leidingen\C2_2-10-170-BG	10	1
C2_3-10-170-BG -	Study\BG Leidingen\C2_3-10-170-BG	10	1
C2_4-10-170-BG -	Study\BG Leidingen\C2_4-10-170-BG	10	1
C2_5-10-170-BG -	Study\BG Leidingen\C2_5-10-170-BG	10	1
C2_6-10-170-BG -	Study\BG Leidingen\C2_6-10-170-BG	10	1
C2_7-12-65-BG - R	Study\BG Leidingen\C2_7-12-65-BG	1	1
C2_8-12-65-BG - R	Study\BG Leidingen\C2_8-12-65-BG	10	1
C3_2-10-170-BG -	Study\BG Leidingen\C3_2-10-170-BG	10	1
C3_3-10-170-BG -	Study\BG Leidingen\C3_3-10-170-BG	10	1
C3_4-10-170-BG -	Study\BG Leidingen\C3_4-10-170-BG	10	1
C3_5-10-170-BG -	Study\BG Leidingen\C3_5-10-170-BG	10	1
C3_6-10-170-BG -	Study\BG Leidingen\C3_6-10-170-BG	10	1
C3_7-12-65-BG - R	Study\BG Leidingen\C3_7-12-65-BG	1	1
C3_8-12-65-BG - R	Study\BG Leidingen\C3_8-12-65-BG	10	1

C4_3-10-170-BG -	Study\BG Leidingen\C4_3-10-170-BG	10	1
C4_4-10-170-BG -	Study\BG Leidingen\C4_4-10-170-BG	10	1
C4_5-10-170-BG -	Study\BG Leidingen\C4_5-10-170-BG	10	1
C4_6-10-170-BG -	Study\BG Leidingen\C4_6-10-170-BG	10	1
C4_7-12-65-BG - R	Study\BG Leidingen\C4_7-12-65-BG	1	1
C4_8-12-65-BG - R	Study\BG Leidingen\C4_8-12-65-BG	10	1
C5_1-10-170-BG -	Study\BG Leidingen\C5_1-10-170-BG	10	1
C5_2-10-170-BG -	Study\BG Leidingen\C5_2-10-170-BG	10	1
C6_1-10-170-BG -	Study\BG Leidingen\C6_1-10-170-BG	10	1
C6_2-10-170-BG -	Study\BG Leidingen\C6_2-10-170-BG	10	1
C5_3-10-170-BG -	Study\BG Leidingen\C5_3-10-170-BG	10	1
C5_4-10-170-BG -	Study\BG Leidingen\C5_4-10-170-BG	10	1
C5_5-10-170-BG -	Study\BG Leidingen\C5_5-10-170-BG	10	1
C5_6-10-170-BG -	Study\BG Leidingen\C5_6-10-170-BG	10	1
C5_7-12-65-BG - R	Study\BG Leidingen\C5_7-12-65-BG	1	1
C5_8-12-65-BG - R	Study\BG Leidingen\C5_8-12-65-BG	10	1
C6_3-10-170-BG -	Study\BG Leidingen\C6_3-10-170-BG	10	1
C6_4-10-170-BG -	Study\BG Leidingen\C6_4-10-170-BG	10	1
C6_5-10-170-BG -	Study\BG Leidingen\C6_5-10-170-BG	10	1
C6_6-10-170-BG -	Study\BG Leidingen\C6_6-10-170-BG	10	1
L1_2-16-170-BG -	Study\BG Leidingen\L1_2-16-170-BG	1	1
G2_1-20-65-BG - R	Study\BG Leidingen\G2_1-20-65-BG	10	1
L5_2-16-170-BG -	Study\BG Leidingen\L5_2-16-170-BG	1	1
G3_1-20-65-BG - R	Study\BG Leidingen\G3_1-20-65-BG	10	1
G3_3-20-65-BG - R	Study\BG Leidingen\G3_3-20-65-BG	10	1

G4_1-20-65-BG - R	Study\BG Leidingen\G4_1-20-65-BG	10	1
G4_3-20-65-BG - R	Study\BG Leidingen\G4_3-20-65-BG	10	1
Gi-20-65-BG - Rou	Study\BG Leidingen\Gi-20-65-BG	10	1
L2_2-16-170-BG -	Study\BG Leidingen\L2_2-16-170-BG	1	1
L3_2-16-170-BG -	Study\BG Leidingen\L3_2-16-170-BG	1	1
L4_2-16-170-BG -	Study\BG Leidingen\L4_2-16-170-BG	1	1
E1_1-20-170-BG -	Study\BG Leidingen\E1_1-20-170-BG	1	1
E1_2-20-170-BG -	Study\BG Leidingen\E1_2-20-170-BG	10	1
E1_4-20-65-BG - R	Study\BG Leidingen\E1_4-20-65-BG	10	1
E2_1-20-170-BG -	Study\BG Leidingen\E2_1-20-170-BG	10	1
G2_3-20-65-BG - R	Study\BG Leidingen\G2_3-20-65-BG	10	1
E2_3-20-170-BG -	Study\BG Leidingen\E2_3-20-170-BG	10	1
E2_2-20-170-BG -	Study\BG Leidingen\E2_2-20-170-BG	1	1
E2_6-20-65-BG - R	Study\BG Leidingen\E2_6-20-65-BG	10	1
E3_1-20-170-BG -	Study\BG Leidingen\E3_1-20-170-BG	1	1
E3_2-20-170-BG -	Study\BG Leidingen\E3_2-20-170-BG	10	1
E3_4-20-65-BG - R	Study\BG Leidingen\E3_4-20-65-BG	10	1
E4_1-20-170-BG -	Study\BG Leidingen\E4_1-20-170-BG	10	1
E4_2-20-170-BG -	Study\BG Leidingen\E4_2-20-170-BG	10	1
E4_4-20-65-BG - R	Study\BG Leidingen\E4_4-20-65-BG	10	1
E5_1-20-170-BG -	Study\BG Leidingen\E5_1-20-170-BG	10	1
E5_2-20-170-BG -	Study\BG Leidingen\E5_2-20-170-BG	10	1
E5_3-20-170-BG -	Study\BG Leidingen\E5_3-20-170-BG	10	1
E5_4-20-170-BG -	Study\BG Leidingen\E5_4-20-170-BG	10	1
E6_1-20-170-BG -	Study\BG Leidingen\E6_1-20-170-BG	10	1

E2_4-20-170-BG -	Study\BG Leidingen\E2_4-20-170-BG	10	1
E6_2-20-170-BG -	Study\BG Leidingen\E6_2-20-170-BG	10	1
E6_4-20-65-BG - R	Study\BG Leidingen\E6_4-20-65-BG	10	1
G1_1-20-65-BG - R	Study\BG Leidingen\G1_1-20-65-BG	10	1
G1_3-20-65-BG - R	Study\BG Leidingen\G1_3-20-65-BG	10	1
In5_4-16-170-BG -	Study\BG Leidingen\In5_4-16-170-BG	1	1
In1_2-16-170-BG -	Study\BG Leidingen\In1_2-16-170-BG	1	1
I_5-20-65-BG - Rou	Study\BG Leidingen\I_5-20-65-BG	10	1
I_6-20-65-BG - Rou	Study\BG Leidingen\I_6-20-65-BG	10	1
I_7-20-65-BG - Rou	Study\BG Leidingen\I_7-20-65-BG	10	1
I_8-20-65-BG - Rou	Study\BG Leidingen\I_8-20-65-BG	10	1
In5_6-16-170-BG -	Study\BG Leidingen\In5_6-16-170-BG	1	1
In4_1-16-170-BG -	Study\BG Leidingen\In4_1-16-170-BG	10	1
In4_2-16-170-BG -	Study\BG Leidingen\In4_2-16-170-BG	1	1
In4_4-16-170-BG -	Study\BG Leidingen\In4_4-16-170-BG	1	1
In4_6-16-170-BG -	Study\BG Leidingen\In4_6-16-170-BG	1	1
In5_1-16-170-BG -	Study\BG Leidingen\In5_1-16-170-BG	10	1
In5_2-16-170-BG -	Study\BG Leidingen\In5_2-16-170-BG	1	1
C1_1-10-170-BG -	Study\BG Leidingen\C1_1-10-170-BG	10	1
In2_1-16-170-BG -	Study\BG Leidingen\In2_1-16-170-BG	10	1
In2_2-16-170-BG -	Study\BG Leidingen\In2_2-16-170-BG	1	1
In1_6-16-170-BG -	Study\BG Leidingen\In1_6-16-170-BG	1	1
E5_6-20-65-BG - R	Study\BG Leidingen\E5_6-20-65-BG	10	1
C6_8-12-65-BG - R	Study\BG Leidingen\C6_8-12-65-BG	10	1
C2_1-10-170-BG -	Study\BG Leidingen\C2_1-10-170-BG	10	1

C3_1-10-170-BG -	Study\BG Leidingen\C3_1-10-170-BG	10	1
C4_1-10-170-BG -	Study\BG Leidingen\C4_1-10-170-BG	10	1
C4_2-10-170-BG -	Study\BG Leidingen\C4_2-10-170-BG	10	1
In3_2-16-170-BG -	Study\BG Leidingen\In3_2-16-170-BG	1	1
In3_4-16-170-BG -	Study\BG Leidingen\In3_4-16-170-BG	1	1
In1_4-16-170-BG -	Study\BG Leidingen\In1_4-16-170-BG	1	1
In3_6-16-170-BG -	Study\BG Leidingen\In3_6-16-170-BG	1	1
In1_1-16-170-BG -	Study\BG Leidingen\In1_1-16-170-BG	10	1
In2_6-16-170-BG -	Study\BG Leidingen\In2_6-16-170-BG	1	1
In3_1-16-170-BG -	Study\BG Leidingen\In3_1-16-170-BG	10	1
In2_4-16-170-BG -	Study\BG Leidingen\In2_4-16-170-BG	1	1
straat_I_1-20-65-B	Study\BG Leidingen\straat_I_1-20-65-BG	10	1
straat_I_3-20-65-B	Study\BG Leidingen\straat_I_3-20-65-BG	10	1
straat_I_4-20-65-B	Study\BG Leidingen\straat_I_4-20-65-BG	10	1
straat_I_2-20-65-B	Study\BG Leidingen\straat_I_2-20-65-BG	10	1
koppeling-20-65-B	Study\BG Leidingen\koppeling-20-65-BG	10	1
koppeling2-20-65-	Study\BG Leidingen\koppeling2-20-65-BG	10	1
K_3-30-65-OG - Ro	Study\OG Leidingen\K_3-30-65-OG	10	1
K_4-30-65-OG - Ro	Study\OG Leidingen\K_4-30-65-OG	10	1
A7-16-170-OG - Ro	Study\OG Leidingen\A7-16-170-OG	10	1
G2_2-20-65-OG - F	Study\OG Leidingen\G2_2-20-65-OG	10	1
G3_2-20-65-OG - F	Study\OG Leidingen\G3_2-20-65-OG	10	1
G4_2-20-65-OG - F	Study\OG Leidingen\G4_2-20-65-OG	10	1
A6-16-170-OG - Ro	Study\OG Leidingen\A6-16-170-OG	10	1

A4-16-170-OG - Rc	Study\OG Leidingen\A4-16-170-OG	10	1
A3-16-170-OG - Rc	Study\OG Leidingen\A3-16-170-OG	10	1
E1_3-20-65-OG - R	Study\OG Leidingen\E1_3-20-65-OG	10	1
E2_5-20-65-OG - R	Study\OG Leidingen\E2_5-20-65-OG	10	1
E3_3-20-65-OG - R	Study\OG Leidingen\E3_3-20-65-OG	10	1
E4_3-20-65-OG - R	Study\OG Leidingen\E4_3-20-65-OG	10	1
E5_5-20-65-OG - R	Study\OG Leidingen\E5_5-20-65-OG	10	1
E6_3-20-65-OG - R	Study\OG Leidingen\E6_3-20-65-OG	10	1
G1_2-20-65-OG - F	Study\OG Leidingen\G1_2-20-65-OG	10	1
H_1-30-170-OG - F	Study\OG Leidingen\H_1-30-170-OG	10	1
H_2-30-65-OG - Rc	Study\OG Leidingen\H_2-30-65-OG	10	1
H_3-30-170-OG - F	Study\OG Leidingen\H_3-30-170-OG	10	1
H_4-30-65-OG - Rc	Study\OG Leidingen\H_4-30-65-OG	10	1
H_5-30-170-OG - F	Study\OG Leidingen\H_5-30-170-OG	10	1
H_6-30-170-OG - F	Study\OG Leidingen\H_6-30-170-OG	10	1
In5_5-16-170-OG -	Study\OG Leidingen\In5_5-16-170-OG	10	1
In4_3-16-170-OG -	Study\OG Leidingen\In4_3-16-170-OG	10	1
In4_5-16-170-OG -	Study\OG Leidingen\In4_5-16-170-OG	10	1
In5_3-16-170-OG -	Study\OG Leidingen\In5_3-16-170-OG	10	1
K_1-30-65-OG - Rc	Study\OG Leidingen\K_1-30-65-OG	10	1
T-20-65-OG - Rout	Study\OG Leidingen\T-20-65-OG	10	1
K_2-30-65-OG - Rc	Study\OG Leidingen\K_2-30-65-OG	10	1
K_5-30-65-OG - Rc	Study\OG Leidingen\K_5-30-65-OG	10	1
K_6-30-65-OG - Rc	Study\OG Leidingen\K_6-30-65-OG	1	1
A2-16-170-OG - Rc	Study\OG Leidingen\A2-16-170-OG	10	1

A1-16-170-OG - Rc	Study\OG Leidingen\A1-16-170-OG	10	1
In1_3-16-170-OG -	Study\OG Leidingen\In1_3-16-170-OG	10	1
In3_3-16-170-OG -	Study\OG Leidingen\In3_3-16-170-OG	10	1
In3_5-16-170-OG -	Study\OG Leidingen\In3_5-16-170-OG	10	1
In2_5-16-170-OG -	Study\OG Leidingen\In2_5-16-170-OG	10	1
In1_5-16-170-OG -	Study\OG Leidingen\In1_5-16-170-OG	10	1
In2_3-16-170-OG -	Study\OG Leidingen\In2_3-16-170-OG	10	1
straat_I_1-20-65-B	Study\Flenzen\straat_I_1-20-65-BG	10	1
straat_I_3-20-65-B	Study\Flenzen\straat_I_3-20-65-BG	10	1
straat_I_4-20-65-B	Study\Flenzen\straat_I_4-20-65-BG	10	1
straat_I_2-20-65-B	Study\Flenzen\straat_I_2-20-65-BG	10	1

ent				Geomet
e information		Geometry		
Failure frequency specified	Supplied length	East	North	Apply location offset
	m	m	m	
1 Per supplied length	1	258816	567453	0 No
1 Per supplied length	1	258806	567450	0 No
1 Per supplied length	1	258804,6	567447,3	0 No
1 Per supplied length	1	258803,6	567445	0 No
1 Per supplied length	1	258802	567443	0 No
1 Per supplied length	1	258802,3	567460,6	0 No
1 Per supplied length	1	258800	567459	0 No
1 Per supplied length	1	258805	567434	0 No
1 Per supplied length	1	258795	567431	0 No
1 Per supplied length	1	258793,6	567428,4	0 No
1 Per supplied length	1	258792,6	567426,5	0 No
1 Per supplied length	1	258791	567424	0 No
1 Per supplied length	1	258791,5	567441,7	0 No
1 Per supplied length	1	258789	567440	0 No
1 Per supplied length	1	258794	567415	0 No
1 Per supplied length	1	258784	567412	0 No
1 Per supplied length	1	258782,6	567409,3	0 No
1 Per supplied length	1	258782	567407	0 No
1 Per supplied length	1	258780	567405	0 No
1 Per supplied length	1	258780	567423	0 No
1 Per supplied length	1	258778	567421	0 No

1 Per supplied length	1	258773	567393	0 No
1 Per supplied length	1	258771,5	567390,3	0 No
1 Per supplied length	1	258771	567388	0 No
1 Per supplied length	1	258769	567386	0 No
1 Per supplied length	1	258769	567404	0 No
1 Per supplied length	1	258766,9	567402,2	0 No
1 Per supplied length	1	258777	567360	0 No
1 Per supplied length	1	258772	567377	0 No
1 Per supplied length	1	258750,57	567348,63	0 No
1 Per supplied length	1	258747,11	567348,17	0 No
1 Per supplied length	1	258762	567374	0 No
1 Per supplied length	1	258760,6	567370,6	0 No
1 Per supplied length	1	258759,6	567369,6	0 No
1 Per supplied length	1	258758	567367	0 No
1 Per supplied length	1	258757,9	567385,2	0 No
1 Per supplied length	1	258755,8	567383,2	0 No
1 Per supplied length	1	258751,22	567355,18	0 No
1 Per supplied length	1	258749,89	567353,02	0 No
1 Per supplied length	1	258748,67	567350,81	0 No
1 Per supplied length	1	258732,97	567355,75	0 No
1 Per supplied length	1	258733,57	567521,37	0 No
1 Per supplied length	1	258709,55	567433,19	0 No
1 Per supplied length	1	258745,62	567541,92	0 No
1 Per supplied length	1	258700,54	567415,3	0 No
1 Per supplied length	1	258707,28	567405,23	0 No

1 Per supplied length	1	258690,56	567398,14	0 No
1 Per supplied length	1	258697,24	567387,87	0 No
1 Per supplied length	1	258716,44	567411,72	0 No
1 Per supplied length	1	258736,69	567526,41	0 No
1 Per supplied length	1	258739,6	567531,57	0 No
1 Per supplied length	1	258742,61	567536,82	0 No
1 Per supplied length	1	258756,9	567415,2	0 No
1 Per supplied length	1	258743	567422	0 No
1 Per supplied length	1	258752	567410	0 No
1 Per supplied length	1	258734,93	567408,34	0 No
1 Per supplied length	1	258717,22	567422,26	0 No
1 Per supplied length	1	258731,86	567400,98	0 No
1 Per supplied length	1	258748,32	567400,86	0 No
1 Per supplied length	1	258739,07	567394,46	0 No
1 Per supplied length	1	258741	567387	0 No
1 Per supplied length	1	258727	567395	0 No
1 Per supplied length	1	258737	567382	0 No
1 Per supplied length	1	258733	567373	0 No
1 Per supplied length	1	258719	567381	0 No
1 Per supplied length	1	258729	567368	0 No
1 Per supplied length	1	258711,05	567367,07	0 No
1 Per supplied length	1	258724,29	567359,67	0 No
1 Per supplied length	1	258707,87	567359,67	0 No
1 Per supplied length	1	258709,58	567362,66	0 No
1 Per supplied length	1	258726,6	567339,87	0 No

1 Per supplied length	1	258733,54	567403,74	0 No
1 Per supplied length	1	258703,01	567353,29	0 No
1 Per supplied length	1	258711,99	567340,79	0 No
1 Per supplied length	1	258719,52	567450,35	0 No
1 Per supplied length	1	258728	567440	0 No
1 Per supplied length	1	258753,46	567538,76	0 No
1 Per supplied length	1	258742,71	567520,33	0 No
1 Per supplied length	1	258815	567551	0 No
1 Per supplied length	1	258797	567520	0 No
1 Per supplied length	1	258804	567557	0 No
1 Per supplied length	1	258786,3	567527	0 No
1 Per supplied length	1	258748,81	567545,06	0 No
1 Per supplied length	1	258742,6	567536,72	0 No
1 Per supplied length	1	258751,72	567535,8	0 No
1 Per supplied length	1	258750,37	567533,61	0 No
1 Per supplied length	1	258745,81	567539,9	0 No
1 Per supplied length	1	258745,57	567541,99	0 No
1 Per supplied length	1	258754,74	567540,99	0 No
1 Per supplied length	1	258821	567436	0 No
1 Per supplied length	1	258736,53	567526,45	0 No
1 Per supplied length	1	258745,58	567525,42	0 No
1 Per supplied length	1	258736,78	567524,4	0 No
1 Per supplied length	1	258715,13	567353,18	0 No
1 Per supplied length	1	258766,64	567341,33	0 No
1 Per supplied length	1	258810	567417	0 No

1 Per supplied length	1	258799	567398	0 No
1 Per supplied length	1	258788	567379	0 No
1 Per supplied length	1	258783	567396	0 No
1 Per supplied length	1	258748,75	567530,62	0 No
1 Per supplied length	1	258747,5	567528,52	0 No
1 Per supplied length	1	258741,5	567518,21	0 No
1 Per supplied length	1	258742,77	567534,77	0 No
1 Per supplied length	1	258733,58	567521,31	0 No
1 Per supplied length	1	258739,78	567529,55	0 No
1 Per supplied length	1	258739,55	567531,65	0 No
1 Per supplied length	1	258744,47	567523,24	0 No
1 Per supplied length	1	258813	567552	0 No
1 Per supplied length	1	258808	567555	0 No
1 Per supplied length	1	258806	567556	0 No
1 Per supplied length	1	258811	567553	0 No
1 Per supplied length	1	258798,3	567548,02	0 No
1 Per supplied length	1	258796,04	567518,66	0 No
1 Per supplied length	1	258799	567562	0 No
1 Per supplied length	1	258813	567554	0 No
1 Per supplied length	1	258748,102	567545,159	0 No
1 Per supplied length	1	258716,5	567411,74	0 No
1 Per supplied length	1	258706,43	567394,49	0 No
1 Per supplied length	1	258696,45	567377,34	0 No
1 Per supplied length	1	258745,049	567539,887	0 No

1 Per supplied length	1	257805,544	567271,774	0 No
1 Per supplied length	1	258739,257	567529,69	0 No
1 Per supplied length	1	258735	567419	0 No
1 Per supplied length	1	258725,3	567402,35	0 No
1 Per supplied length	1	258719	567392	0 No
1 Per supplied length	1	258712	567378	0 No
1 Per supplied length	1	258701,29	567361,2	0 No
1 Per supplied length	1	258694,89	567350,69	0 No
1 Per supplied length	1	258727	567429	0 No
1 Per supplied length	1	258721	567327	0 No
1 Per supplied length	1	258707	567429	0 No
1 Per supplied length	1	258720	567328	0 No
1 Per supplied length	1	258690	567396	0 No
1 Per supplied length	1	258719	567329	0 No
1 Per supplied length	1	258773	567529	0 No
1 Per supplied length	1	258761,56	567534,07	0 No
1 Per supplied length	1	258759,8	567531,07	0 No
1 Per supplied length	1	258758,53	567528,94	0 No
1 Per supplied length	1	258762,78	567536,19	0 No
1 Per supplied length	1	258785,2	567568,7	0 No
1 Per supplied length	1	258748	567441	0 No
1 Per supplied length	1	258791	567565	0 No
1 Per supplied length	1	258749,65	567589,11	0 No
1 Per supplied length	1	258800,5	567561	0 No
1 Per supplied length	1	258067,483	567809,942	0 No

1 Per supplied length	1	258229,3546	568061,8617	0 No
1 Per supplied length	1	258750,83	567515,59	0 No
1 Per supplied length	1	258756,83	567525,9	0 No
1 Per supplied length	1	258755,54	567523,72	0 No
1 Per supplied length	1	258752,5	567518,59	0 No
1 Per supplied length	1	258749,59	567513,43	0 No
1 Per supplied length	1	258753,83	567520,74	0 No
		258813	567552	0 No
		258808	567555	0 No
		258806	567556	0 No
		258811	567553	0 No

try		Notes
Invisible		Invisible
Shape	Dimension	Notes
2 Polyline	0 2D	
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				Const
Use	**Parameter set**	**Construction materials**	**Name**	**Density**
				kg/m3

ruction material

Properties	
Specific heat	**Thermal conductivity**
kJ/kg.degK	kJ/m.s.degK

Use	Physical Properties System	Materials	Material Folder	Name
Yes	Physical Properties	Materials		HYDROGEN
Yes	Physical Properties	Materials		METHANE

Component	Notes
Properties	**Invisible**
Property method template	**Notes**
Phast64	
Phast64	

Acentric factor

Property data
Value

Acid association flag

Property data
Value

Aerosol class number	AGW
Property data	Property data
Value	Value
	ppm

Carbon hydrogen ratio

Property data
Value

Combustion at

Property data

Value

Combustion ct

Property data

Value

Critical pressure

Property data

Value
bar

Critical temperature

Property data

Value
degC

Dangerous dose 2

Property data
Value

Dangerous dose 3

Property data
Value

Dangerous dose 4

Property data
Value

Dangerous dose 5

Property data
Value

Dangerous dose 6

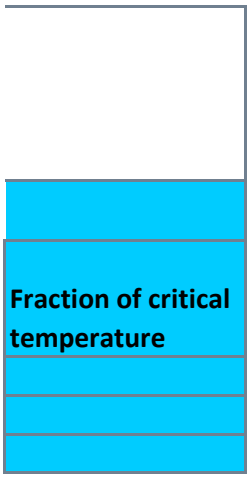
Property data
Value

Dangerous toxic load Note: Units are concentration in ppm and time in minutes

Property data
Value

Dimer coefficients

Property data			
Equation	Coefficients	Temperature limits	Supercritical extrapolation


Fraction of critical temperature

Emissive power length scale

Property data

Value
m

Enthalpy interpolation range

Property data

Value
delC

Enthalpy of Fusion at Melting Point

Property data
Value
kJ/kmol

Flammable/Toxic flag

Property data
Value

Flash point

Property data

Value
degC

Heat of combustion

Property data

Value
kJ/kmol

Heat of solution

Property data		
Value	Equation	Coefficients
kJ/kg		kJ/kmol

Heat of vapourisation

Property data			
Temperature limits	Supercritical extrapolation	Fraction of critical temperature	Equation

Hexamer coefficients

Property data			
Coefficients	Temperature limits	Supercritical extrapolation	Fraction of critical temperature

Ideal gas l

Prop

Equation	Coefficients	Temperature limits
	kJ/kmol.degK	

heat capacity

erty data

Supercritical extrapolation	Fraction of critical temperature

IDLH concentration

Property data

Value
ppm

Immediate ignition category

Property data
Value

Laminar burning velocity

Property data

Value
m/s

LBW	Liquid h		
Property data	**Prop**		
Value	**Equation**	**Coefficients**	**Temperature limits**
ppm		kJ/kmol.degK	

eat capacity

perty data

Supercritical extrapolation	Fraction of critical temperature	Equation

Liquid thermal conductivity

Property data		
Coefficients	**Temperature limits**	**Supercritical extrapolation**
kJ/m.s.degK		

Liquic

	Prop		
Fraction of critical temperature	**Equation**	**Coefficients**	**Temperature limits**
		N.s/m2	

d viscosity

berty data

Supercritical extrapolation	Fraction of critical temperature

Liquid water enthalpy coefficient A

Property data
Value

Liquid water enthalpy coefficient B

Property data

Value

Liquid water enthalpy coefficient C

Property data
Value

Liquid water enthalpy coefficient D

Property data
Value

Liquid water surface tension

Property data

Value
N/m

Lower flammability limit

Property data
Value
ppm

Luminous/Smoky flame flag

Property data
Value

Maximum burn rate

Property data

Value
kg/m2.s

Maximum surface emissive power

Property data

Value
kW/m2

Melting point

Property data

Value

degC

Molecular weight

Property data

Value

Normal boiling point

Property data	
Value	**Equation**
degC	

Octamer coefficients

Property data			
Coefficients	Temperature limits	Supercritical extrapolation	Fraction of critical temperature

Pool fire burn rate length

Property data

Value
m

Reaction with water model

Property data
Value

Reactivity with atmosphere

Property data
Value

Saturated

Prop

Equation	Coefficients	Temperature limits
	kmol/m3	

liquid density

erty data

Supercritical extrapolation	Fraction of critical temperature	Equation

Second virial equation coefficient

Property data		
Coefficients	**Temperature limits**	**Supercritical extrapolation**

Solic

	Prop		
Fraction of critical temperature	**Equation**	**Coefficients**	**Temperature limits**
		kmol/m3	

l Density

perty data

Supercritical extrapolation	Fraction of critical temperature	Equation	Coefficients
			kJ/kmol.degK

Solid Heat Capacity

Property data

Temperature limits	Supercritical extrapolation	Fraction of critical temperature

Solid Phase Modelling Enabled (CO2 Only)

Property data
Value

Solid Vapour Pressure

Property data

Equation	Coefficients	Temperature limits	Supercritical extrapolation
	bar		

	Solubility in water
	Property data
Fraction of critical temperature	Value

SRK alpha calculation flag

Property data
Value

STEL concentration

Property data		
Value	**Equation**	**Coefficients**
ppm		N/m

Surface tension

Property data		
Temperature limits	**Supercritical extrapolation**	**Fraction of critical temperature**

TNT explosion efficiency

Property data
Value
%

Toxic dose threshold N

Property data
Value

Toxic property A

Property data

Value

Toxic property B

Property data
Value

Toxic property N		
Property data		
Value	**Equation**	**Coefficients**

Trimer coefficients

Property data

Temperature limits	Supercritical extrapolation	Fraction of critical temperature

Triple point pressure

Property data

Value

bar

Triple point temperature

Property data

Value
degC

Upper flammability limit

Property data	
Value	**Equation**
ppm	

Vapour pressure

Property data			
Coefficients	**Temperature limits**	**Supercritical extrapolation**	**Fraction of critical temperature**
bar			

Vapour therr

Prop

Equation	Coefficients	Temperature limits
	kJ/m.s.degK	

nal conductivity

erty data

Supercritical extrapolation	Fraction of critical temperature	Equation

Vapour viscosity

Property data

Coefficients	Temperature limits	Supercritical extrapolation	Fraction of critical temperature
N.s/m2			

VRW

Property data

Value

ppm

Water heat transfer coefficient

Property data

Value
W/m2.degK

Use	Physical Properties System	Materials	Material Folder	System Mixture Folder

	Component			
	Selected components			Prope
Name	Component	Mass	Mole	NLIV mixing rules
1 Skip if already exists				

	Notes
erties	Invisible
Property method template	Notes

Use	Physical Properties System	Materials	Material Folder	System Component Folder

Name	**Carbon**	**Hydrogen**	**Oxygen**	**Nitrogen**

Composition

Number of atoms

Sulphur	Chlorine	Phosphorus	Manganese	Zinc

Tin	Bromine	Iodine	Fluorine	Specify total molecular weight

	Notes
	Invisible
Total molecular weight	**Notes**
kg/kmol	

External Connectio

Connection

Use	Name	Connection Type	Location	Connection Info

n	Notes
	Invisible
Description	Notes

			Source	
			Table	
Use	External connection	Name	Table Name	Geometry Field

General		Point		
Colour	Translucency	Size	Symbol	Width
	%			

Line	Area	
Style	Pattern	Colour

Style

	Sym			
Boundary	**File**	**Symbol**	**Size**	**Rotation**
				deg

ıbol				Te
Colours	Spacing X	Spacing Y	Stagger	Font

				Notes
xt	Invisible			Invisible
Size	Colour Ignored	Class	Style name	Notes

				R
Use	**Raster Image Set**	**Folder**	**Name**	**Placement Mode**
Yes	Raster Image Set		Plotplan	1 Interactive
Yes	Raster Image Set		Populatie	1 Interactive

Raster Image

Image		Geometry		
Path	**Coordinate System File**	**East**	**North**	**Rotation (anti-clockwise)**
		m	m	deg
QRA Aardgasbuffer Zuidwending (oktober 2025).psux 8.80\Images\Raster Image Set\Plotplan.JPG		256604,9734	568800,8805	0
QRA Aardgasbuffer Zuidwending (oktober 2025).psux 8.80\Images\Raster Image Set\Populatie.JPG		255737,5398	569297,713	0

Geometry				Notes
		Invisible		Invisible
Width	Length	Shape	Dimension	Notes
m	m			
3950,351494	2747,499042	3 Rectangle	0 2D	
6198,905358	4207,912976	3 Rectangle	0 2D	

			Bund defined
Use	**Pool substrates and bunds**	**Name**	**Specify a bund**
Yes	Pool substrates an	Type of pool substrate and bund	

Bund properties

Dimensions		Whether the bund can ove
Bund height	**Bund area (internal)**	**Bund failure modeling**
m	m2	

	Surface for pools
erflow	Type of surface for pools
Bund area multiplier for catastrophic rupture	Type of surface for pools

Notes

Invisible

Notes

Use	Types of terrain for dispersion	Name	Surface over which the dispersion occurs
Yes	Types of terrain fo	Type of terrain for	dispersion

Dispersing surface

Properties

Surface roughness length	User-defined length
	mm

Notes

Invisible

Notes

			I
Use	**Buildings**	**Name**	**Ventilation type**
Yes	Buildings	Building type	

n-building release				Notes
Ventilation				Invisible
Air changes	Vent location	Exhaust diameter	Vent flowrate	Notes
/hr		m	m3/hr	

			Loc	
			Translation	
Use	**Location offsets**	**Name**	**Displacement east**	**Displacement north**
			m	m
Yes	Location offsets	Location Offset	0	0

ation offset			Notes
Rotation			Invisible
Angle from north (anti-clockwise)	Rotation origin east	Rotation origin north	Notes
deg	m	m	
0			

Use	Buildings	Building type	Name	East
				m

Geometry

Geometry				
North	**Rotation (anti-clockwise)**	**Width**	**Length**	**Upper elevation**
m	deg	m	m	m

	Notes
	Invisible
Apply location offset	Notes

Use	Boundaries	Name	East	North
			m	m
Yes	Boundaries	Boundary	258833,977	567721,155

Geometry

Geometry				
Rotation (anti-clockwise)	**Width**	**Length**	**Lower elevation**	**Upper elevation**
deg	m	m	m	m

			Notes
	Invisible		Invisible
Apply location offset	**Shape**	**Dimension**	**Notes**
0 No	4 Polygon	0 2D	

			General	
Use	**Population categories**	**Name**	**Colour**	**Translucency**
				%
Yes	Population catego	Town	FFFF0000	
Yes	Population catego	City	FFFF0000	
Yes	Population catego	Residential	FFFF0000	
Yes	Population catego	Industrial	FF0000FF	
Yes	Population catego	Urban	FFFF0000	
Yes	Population catego	Semi-Urban	FFFF0000	
Yes	Population catego	Rural	FF0000FF	
Yes	Population catego	Commercial	FF0000FF	
Yes	Population catego	Other	FF0000FF	
Yes	Population catego	[None]	FF808000	

Point		Line	
Size	Symbol	Width	Style

St

Area			
Pattern	**Colour**	**Boundary**	**File**
1 Vertical	FFFF0000		
0 Horizontal	FFFF0000		
3 Backward Diagonal	FFFF0000		
2 Forward Diagonal	FFFF0000		
4 Cross	FFFF0000		
5 Diagonal Cross	FFFF0000		
1 Vertical	FF0000FF		
0 Horizontal	FF0000FF		
3 Backward Diagonal	FF0000FF		
34 Small Confetti	FF808000		

yle

Symbol				
Symbol	**Size**	**Rotation**	**Colours**	**Spacing X**
		deg		

		Text		
Spacing Y	**Stagger**	**Font**	**Size**	**Colour Ignored**
				0 No
				0 No
				0 No
				0 No
				0 No
				0 No
				0 No
				0 No
				0 No
				0 No

		Notes
Invisible		Invisible
Class	Style name	Notes
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	
5 Point & Areal	Population Category Style	

				Invisible
Use	**Ignitions**	**Folder**	**Name**	**Type**

Ignition

General data			Transportation	
Ignition probability	**In time period**	**Operating probability**	**Traffic density**	**Average speed**
fraction	s	fraction	/hr	m/s

Lines		Areas		
Line basis	**Per unit length**	**Area basis**	**Per unit area**	**East**
	m		m2	m

Geometry

Geometry				
North	**Rotation (anti-clockwise)**	**Width**	**Length**	**Lower elevation**
m	deg	m	m	m

				Notes
		Invisible		Invisible
Upper elevation	Apply location offset	Shape	Dimension	Notes
m				

				Invisible
Use	**Populations**	**Folder**	**Name**	**Type**
Yes	Populations	BAG_nacht	pc9644TE	0 Population
Yes	Populations	BAG_nacht	pc9644TG_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TG_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TH_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TH_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TH_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p04	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p05	0 Population
Yes	Populations	BAG_nacht	pc9644TJ_p06	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p04	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p05	0 Population
Yes	Populations	BAG_nacht	pc9644TK_p06	0 Population
Yes	Populations	BAG_nacht	pc9644TM	0 Population
Yes	Populations	BAG_nacht	pc9644TN_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TN_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TN_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TN_p04	0 Population
Yes	Populations	BAG_nacht	pc9644TP_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TP_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TP_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TP_p04	0 Population
Yes	Populations	BAG_nacht	pc9644TP_p05	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p01	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p02	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p03	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p04	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p05	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p06	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p07	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p08	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p09	0 Population
Yes	Populations	BAG_nacht	pc9644TR_p10	0 Population
Yes	Populations	BAG_nacht	pc9644VH_p01	0 Population
Yes	Populations	BAG_nacht	pc9644VH_p02	0 Population
Yes	Populations	BAG_nacht	pc9644VJ	0 Population
Yes	Populations	BAG_nacht	pc9644VL_1	0 Population
Yes	Populations	BAG_nacht	pc9644VL_2_p01	0 Population

Yes	Populations	BAG_nacht	pc9644VL_2_p02	0 Population
Yes	Populations	BAG_nacht	pc9644VL_2_p03	0 Population
Yes	Populations	BAG_nacht	pc9644VM	0 Population
Yes	Populations	BAG_nacht	pc9644VN_p01	0 Population
Yes	Populations	BAG_nacht	pc9644VN_p02	0 Population
Yes	Populations	BAG_nacht	pc9644VS	0 Population
Yes	Populations	BAG_nacht	pc9644XC_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XC_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XD_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XD_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XD_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XE_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XE_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XG_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XG_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XG_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XG_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XG_p05	0 Population
Yes	Populations	BAG_nacht	pc9644XH_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XH_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XJ_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XJ_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XJ_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XJ_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XJ_p05	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p05	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p06	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p07	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p08	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p09	0 Population
Yes	Populations	BAG_nacht	pc9644XK_p10	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p05	0 Population
Yes	Populations	BAG_nacht	pc9644XL_p06	0 Population
Yes	Populations	BAG_nacht	pc9644XM_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XM_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XM_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XM_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XN_p01	0 Population
Yes	Populations	BAG_nacht	pc9644XN_p02	0 Population
Yes	Populations	BAG_nacht	pc9644XN_p03	0 Population
Yes	Populations	BAG_nacht	pc9644XN_p04	0 Population
Yes	Populations	BAG_nacht	pc9644XN_p05	0 Population

Yes	Populations	BAG_nacht	pc9644XN_p06	0 Population
Yes	Populations	BAG_nacht	pc9644XX	0 Population
Yes	Populations	BAG_nacht	pc9663AL_p01	0 Population
Yes	Populations	BAG_nacht	pc9663AL_p02	0 Population
Yes	Populations	BAG_nacht	pc9663AM	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p01	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p02	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p03	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p04	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p05	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p06	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p07	0 Population
Yes	Populations	BAG_nacht	pc9663AV_p08	0 Population
Yes	Populations	BAG_nacht	pc9663AW_p01	0 Population
Yes	Populations	BAG_nacht	pc9663AW_p02	0 Population
Yes	Populations	BAG_nacht	pc9663AW_p03	0 Population
Yes	Populations	BAG_nacht	pc9663BP_1	0 Population
Yes	Populations	BAG_nacht	pc9663BP_2	0 Population
Yes	Populations	BAG_nacht	pc9663BR	0 Population
Yes	Populations	BAG_nacht	pc9663BV	0 Population
Yes	Populations	BAG_nacht	pc9663BW_p01	0 Population
Yes	Populations	BAG_nacht	pc9663BW_p02	0 Population
Yes	Populations	BAG_nacht	pc9663BX_p01	0 Population
Yes	Populations	BAG_nacht	pc9663BX_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CA	0 Population
Yes	Populations	BAG_nacht	pc9663CC_1	0 Population
Yes	Populations	BAG_nacht	pc9663CC_2	0 Population
Yes	Populations	BAG_nacht	pc9663CE	0 Population
Yes	Populations	BAG_nacht	pc9663CG	0 Population
Yes	Populations	BAG_nacht	pc9663CJ_p01	0 Population
Yes	Populations	BAG_nacht	pc9663CJ_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CK	0 Population
Yes	Populations	BAG_nacht	pc9663CL_p01	0 Population
Yes	Populations	BAG_nacht	pc9663CL_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CM	0 Population
Yes	Populations	BAG_nacht	pc9663CN	0 Population
Yes	Populations	BAG_nacht	pc9663CP_p01	0 Population
Yes	Populations	BAG_nacht	pc9663CP_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CR_p01	0 Population
Yes	Populations	BAG_nacht	pc9663CR_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CR_p03	0 Population
Yes	Populations	BAG_nacht	pc9663CS	0 Population
Yes	Populations	BAG_nacht	pc9663CT	0 Population
Yes	Populations	BAG_nacht	pc9663CV	0 Population
Yes	Populations	BAG_nacht	pc9663CZ_p01	0 Population
Yes	Populations	BAG_nacht	pc9663CZ_p02	0 Population
Yes	Populations	BAG_nacht	pc9663CZ_p03	0 Population
Yes	Populations	BAG_nacht	pc9663DB	0 Population
Yes	Populations	BAG_nacht	pc9663DC_p01	0 Population
Yes	Populations	BAG_nacht	pc9663DC_p02	0 Population

Yes	Populations	BAG_nacht	pc9663DD	0 Population
Yes	Populations	BAG_nacht	pc9663EK	0 Population
Yes	Populations	BAG_nacht	pc9663EL	0 Population
Yes	Populations	BAG_nacht	pc9663EM_p01	0 Population
Yes	Populations	BAG_nacht	pc9663EM_p02	0 Population
Yes	Populations	BAG_nacht	pc9663EM_p03	0 Population
Yes	Populations	BAG_nacht	pc9663EN	0 Population
Yes	Populations	BAG_nacht	pc9663ER_p01	0 Population
Yes	Populations	BAG_nacht	pc9663ER_p02	0 Population
Yes	Populations	BAG_nacht	pc9663ES	0 Population
Yes	Populations	BAG_nacht	pc9663ET	0 Population
Yes	Populations	BAG_nacht	pc9663EW_p01	0 Population
Yes	Populations	BAG_nacht	pc9663EW_p02	0 Population
Yes	Populations	BAG_nacht	pc9663EZ_p01	0 Population
Yes	Populations	BAG_nacht	pc9663EZ_p02	0 Population
Yes	Populations	BAG_nacht	pc9663EZ_p03	0 Population
Yes	Populations	BAG_nacht	pc9663GC	0 Population
Yes	Populations	BAG_nacht	pc9663GE	0 Population
Yes	Populations	BAG_nacht	pc9663GG	0 Population
Yes	Populations	BAG_nacht	pc9663HA_p01	0 Population
Yes	Populations	BAG_nacht	pc9663HA_p02	0 Population
Yes	Populations	BAG_nacht	pc9663HA_p03	0 Population
Yes	Populations	BAG_nacht	pc9663HB	0 Population
Yes	Populations	BAG_nacht	pc9663HC	0 Population
Yes	Populations	BAG_nacht	pc9663HD	0 Population
Yes	Populations	BAG_nacht	pc9663HE	0 Population
Yes	Populations	BAG_nacht	pc9663HG	0 Population
Yes	Populations	BAG_nacht	pc9663HH_p01	0 Population
Yes	Populations	BAG_nacht	pc9663HH_p02	0 Population
Yes	Populations	BAG_nacht	pc9663HJ_p01	0 Population
Yes	Populations	BAG_nacht	pc9663HJ_p02	0 Population
Yes	Populations	BAG_nacht	pc9663HJ_p03	0 Population
Yes	Populations	BAG_nacht	pc9663HJ_p04	0 Population
Yes	Populations	BAG_nacht	pc9663RK	0 Population
Yes	Populations	BAG_nacht	pc9663RS	0 Population
Yes	Populations	BAG_nacht	pc9663RT_p01	0 Population
Yes	Populations	BAG_nacht	pc9663RT_p02	0 Population
Yes	Populations	BAG_nacht	pc9663RV	0 Population
Yes	Populations	BAG_nacht	pc9663SC_p01	0 Population
Yes	Populations	BAG_nacht	pc9663SC_p02	0 Population
Yes	Populations	BAG_nacht	pc9663SE	0 Population
Yes	Populations	BAG_dag	pc9644TE	0 Population
Yes	Populations	BAG_dag	pc9644TG_p01	0 Population
Yes	Populations	BAG_dag	pc9644TG_p02	0 Population
Yes	Populations	BAG_dag	pc9644TH_p01	0 Population
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Yes	Populations	BAG_dag	pc9644TJ_p01	0 Population
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Yes	Populations	BAG_dag	pc9644TJ_p04	0 Population
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Yes	Populations	BAG_dag	pc9644TJ_p06	0 Population
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Yes	Populations	BAG_dag	pc9644TK_p06	0 Population
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Yes	Populations	BAG_dag	pc9644TR_p10	0 Population
Yes	Populations	BAG_dag	pc9644TW_p01	0 Population
Yes	Populations	BAG_dag	pc9644TW_p02	0 Population
Yes	Populations	BAG_dag	pc9644VH_p01	0 Population
Yes	Populations	BAG_dag	pc9644VH_p02	0 Population
Yes	Populations	BAG_dag	pc9644VJ	0 Population
Yes	Populations	BAG_dag	pc9644VL_1	0 Population
Yes	Populations	BAG_dag	pc9644VL_2_p01	0 Population
Yes	Populations	BAG_dag	pc9644VL_2_p02	0 Population
Yes	Populations	BAG_dag	pc9644VL_2_p03	0 Population
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Yes	Populations	BAG_dag	pc9644VN_p02	0 Population
Yes	Populations	BAG_dag	pc9644VS	0 Population
Yes	Populations	BAG_dag	pc9644XC_p01	0 Population
Yes	Populations	BAG_dag	pc9644XC_p02	0 Population
Yes	Populations	BAG_dag	pc9644XD_p01	0 Population
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Yes	Populations	BAG_dag	pc9644XD_p03	0 Population
Yes	Populations	BAG_dag	pc9644XE_p01	0 Population
Yes	Populations	BAG_dag	pc9644XE_p02	0 Population
Yes	Populations	BAG_dag	pc9644XG_p01	0 Population

Yes	Populations	BAG_dag	pc9644XG_p02	0 Population
Yes	Populations	BAG_dag	pc9644XG_p03	0 Population
Yes	Populations	BAG_dag	pc9644XG_p04	0 Population
Yes	Populations	BAG_dag	pc9644XG_p05	0 Population
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Yes	Populations	BAG_dag	pc9644XL_p05	0 Population
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Yes	Populations	BAG_dag	pc9644XN_p03	0 Population
Yes	Populations	BAG_dag	pc9644XN_p04	0 Population
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Yes	Populations	BAG_dag	pc9644XN_p06	0 Population
Yes	Populations	BAG_dag	pc9644XX	0 Population
Yes	Populations	BAG_dag	pc9663AL_p01	0 Population
Yes	Populations	BAG_dag	pc9663AL_p02	0 Population
Yes	Populations	BAG_dag	pc9663AM	0 Population
Yes	Populations	BAG_dag	pc9663AV_p01	0 Population
Yes	Populations	BAG_dag	pc9663AV_p02	0 Population
Yes	Populations	BAG_dag	pc9663AV_p03	0 Population
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Yes	Populations	BAG_dag	pc9663AV_p07	0 Population
Yes	Populations	BAG_dag	pc9663AV_p08	0 Population
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Yes	Populations	BAG_dag	pc9663AW_p02	0 Population
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Yes	Populations	BAG_dag	pc9663BP_1	0 Population
Yes	Populations	BAG_dag	pc9663BP_2	0 Population
Yes	Populations	BAG_dag	pc9663BR	0 Population
Yes	Populations	BAG_dag	pc9663BV	0 Population
Yes	Populations	BAG_dag	pc9663BW_p01	0 Population
Yes	Populations	BAG_dag	pc9663BW_p02	0 Population
Yes	Populations	BAG_dag	pc9663BX_p01	0 Population
Yes	Populations	BAG_dag	pc9663BX_p02	0 Population
Yes	Populations	BAG_dag	pc9663CA	0 Population
Yes	Populations	BAG_dag	pc9663CC_1	0 Population
Yes	Populations	BAG_dag	pc9663CC_2	0 Population
Yes	Populations	BAG_dag	pc9663CE	0 Population
Yes	Populations	BAG_dag	pc9663CG	0 Population
Yes	Populations	BAG_dag	pc9663CJ_p01	0 Population
Yes	Populations	BAG_dag	pc9663CJ_p02	0 Population
Yes	Populations	BAG_dag	pc9663CK	0 Population
Yes	Populations	BAG_dag	pc9663CL_p01	0 Population
Yes	Populations	BAG_dag	pc9663CL_p02	0 Population
Yes	Populations	BAG_dag	pc9663CM	0 Population
Yes	Populations	BAG_dag	pc9663CN	0 Population
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Yes	Populations	BAG_dag	pc9663CP_p02	0 Population
Yes	Populations	BAG_dag	pc9663CR_p01	0 Population
Yes	Populations	BAG_dag	pc9663CR_p02	0 Population
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Yes	Populations	BAG_dag	pc9663CS	0 Population
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Yes	Populations	BAG_dag	pc9663CZ_p01	0 Population
Yes	Populations	BAG_dag	pc9663CZ_p02	0 Population
Yes	Populations	BAG_dag	pc9663CZ_p03	0 Population
Yes	Populations	BAG_dag	pc9663DB	0 Population
Yes	Populations	BAG_dag	pc9663DC_p01	0 Population
Yes	Populations	BAG_dag	pc9663DC_p02	0 Population
Yes	Populations	BAG_dag	pc9663DD	0 Population
Yes	Populations	BAG_dag	pc9663EK	0 Population
Yes	Populations	BAG_dag	pc9663EL	0 Population
Yes	Populations	BAG_dag	pc9663EM_p01	0 Population
Yes	Populations	BAG_dag	pc9663EM_p02	0 Population
Yes	Populations	BAG_dag	pc9663EM_p03	0 Population
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Yes	Populations	BAG_dag	pc9663EW_p02	0 Population
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Yes	Populations	BAG_dag	pc9663EZ_p02	0 Population
Yes	Populations	BAG_dag	pc9663EZ_p03	0 Population
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Yes	Populations	BAG_dag	pc9663GG	0 Population
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Yes	Populations	BAG_dag	pc9663HA_p02	0 Population
Yes	Populations	BAG_dag	pc9663HA_p03	0 Population
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Yes	Populations	BAG_dag	pc9663HE	0 Population
Yes	Populations	BAG_dag	pc9663HG	0 Population
Yes	Populations	BAG_dag	pc9663HH_p01	0 Population
Yes	Populations	BAG_dag	pc9663HH_p02	0 Population
Yes	Populations	BAG_dag	pc9663HJ_p01	0 Population
Yes	Populations	BAG_dag	pc9663HJ_p02	0 Population
Yes	Populations	BAG_dag	pc9663HJ_p03	0 Population
Yes	Populations	BAG_dag	pc9663HJ_p04	0 Population
Yes	Populations	BAG_dag	pc9663RK	0 Population
Yes	Populations	BAG_dag	pc9663RS	0 Population
Yes	Populations	BAG_dag	pc9663RT_p01	0 Population
Yes	Populations	BAG_dag	pc9663RT_p02	0 Population
Yes	Populations	BAG_dag	pc9663RV	0 Population
Yes	Populations	BAG_dag	pc9663SC_p01	0 Population
Yes	Populations	BAG_dag	pc9663SC_p02	0 Population
Yes	Populations	BAG_dag	pc9663SE	0 Population
Yes	Populations	BAG_dag	pc9663TZ	0 Population

Population

Population		
Category	**Density**	**Population**
	/m2	
Population categories\[None]	0,009965614	7,97
Population categories\[None]	0,00798151	1,8959278
Population categories\[None]	0,007981509	36,504072
Population categories\[None]	0,012484762	30,489723
Population categories\[None]	0,012484761	1,9004304
Population categories\[None]	0,012484761	22,809847
Population categories\[None]	0,016060038	24,178547
Population categories\[None]	0,016060037	2,4550177
Population categories\[None]	0,016060037	2,3396263
Population categories\[None]	0,016060037	14,108181
Population categories\[None]	0,016060039	2,4550177
Population categories\[None]	0,016060037	2,4636098
Population categories\[None]	0,014818187	2,2556245
Population categories\[None]	0,014818187	2,2556245
Population categories\[None]	0,014818188	3,3240159
Population categories\[None]	0,014818187	2,2651823
Population categories\[None]	0,014818187	2,27311
Population categories\[None]	0,014818187	6,8264427
Population categories\[None]	0,014108578	12,3
Population categories\[None]	0,013949924	22,16357
Population categories\[None]	0,013949923	6,5598123
Population categories\[None]	0,013949924	11,888125
Population categories\[None]	0,013949924	4,9884928
Population categories\[None]	0,015805744	22,229436
Population categories\[None]	0,015805747	2,4059504
Population categories\[None]	0,015805745	7,0509425
Population categories\[None]	0,015805744	6,6975261
Population categories\[None]	0,015805744	2,4161451
Population categories\[None]	0,012500338	6,2963581
Population categories\[None]	0,012500337	1,9256772
Population categories\[None]	0,012500339	13,943128
Population categories\[None]	0,012500339	1,9028016
Population categories\[None]	0,01250034	1,9108643
Population categories\[None]	0,01250034	1,9028016
Population categories\[None]	0,012500341	1,9028016
Population categories\[None]	0,012500336	1,9028016
Population categories\[None]	0,012500339	1,9256772
Population categories\[None]	0,012500338	3,2870891
Population categories\[None]	0,010459144	45,956119
Population categories\[None]	0,010459145	4,4438811
Population categories\[None]	0,020813329	10,08
Population categories\[None]	0,089819616	7,12
Population categories\[None]	0,021218735	3,2112429

Population categories\[None]	0,021218734	9,8760466
Population categories\[None]	0,021218733	19,642711
Population categories\[None]	0,024102535	10,86
Population categories\[None]	0,018177998	11,522397
Population categories\[None]	0,018177998	13,137603
Population categories\[None]	0,027301758	16,8
Population categories\[None]	0,011535118	5,4764125
Population categories\[None]	0,011535118	35,323587
Population categories\[None]	0,014278582	32,759566
Population categories\[None]	0,014278582	11,93304
Population categories\[None]	0,014278583	10,507395
Population categories\[None]	0,013307418	38,565762
Population categories\[None]	0,013307417	2,0342384
Population categories\[None]	0,01482852	26,404329
Population categories\[None]	0,014828519	9,996943
Population categories\[None]	0,014828522	2,2843334
Population categories\[None]	0,014828522	2,2571972
Population categories\[None]	0,014828519	2,2571972
Population categories\[None]	0,011584453	19,325705
Population categories\[None]	0,011584452	11,874295
Population categories\[None]	0,013242969	5,9932383
Population categories\[None]	0,013242969	6,794438
Population categories\[None]	0,01324297	20,114879
Population categories\[None]	0,013242969	5,8573654
Population categories\[None]	0,013242971	2,0400795
Population categories\[None]	0,011125483	1,6935211
Population categories\[None]	0,011125484	19,215045
Population categories\[None]	0,011125484	1,7066492
Population categories\[None]	0,011125483	1,6935211
Population categories\[None]	0,011125484	1,7066492
Population categories\[None]	0,011125484	1,7066492
Population categories\[None]	0,011125484	1,7006971
Population categories\[None]	0,011125484	11,184115
Population categories\[None]	0,011125484	5,2196319
Population categories\[None]	0,011125483	1,6935211
Population categories\[None]	0,009704443	4,3460376
Population categories\[None]	0,009704443	25,866998
Population categories\[None]	0,009704443	4,0661615
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Population categories\[None]	0,009704442	1,4886615
Population categories\[None]	0,009704444	2,724037
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Population categories\[None]	0,011704177	3,9379874
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Population categories\[None]	0,011704177	9,0477384
Population categories\[None]	0,010649131	1,6335767
Population categories\[None]	0,01064913	1,6335767
Population categories\[None]	0,010649131	12,100448
Population categories\[None]	0,010649132	1,6210107
Population categories\[None]	0,010649131	5,3903772

Population categories\[None]	0,01064913	1,6210107
Population categories\[None]	0,013755859	13,78
Population categories\[None]	0,018651228	14,191812
Population categories\[None]	0,018651226	2,6081877
Population categories\[None]	0,013338138	15,36
Population categories\[None]	0,003256087	0,50371672
Population categories\[None]	0,003256087	28,78264
Population categories\[None]	0,003256087	0,50371672
Population categories\[None]	0,003256087	11,474761
Population categories\[None]	0,003256087	2,8627195
Population categories\[None]	0,003256087	3,4919421
Population categories\[None]	0,003256087	2,2767866
Population categories\[None]	0,003256088	0,50371672
Population categories\[None]	0,002097308	0,32060494
Population categories\[None]	0,002097308	4,7047331
Population categories\[None]	0,002097308	2,944662
Population categories\[None]	0,038492378	2,4
Population categories\[None]	0,01161046	3,25
Population categories\[None]	0,020459082	19,27
Population categories\[None]	0,020670643	20,17
Population categories\[None]	0,016703946	8,3424514
Population categories\[None]	0,016703946	13,277549
Population categories\[None]	0,019030135	15,664084
Population categories\[None]	0,019030134	15,535916
Population categories\[None]	0,023106254	25,24
Population categories\[None]	0,056953015	2,4
Population categories\[None]	0,033184283	20,78
Population categories\[None]	0,029978927	5,69
Population categories\[None]	0,022586014	26,4
Population categories\[None]	0,028012559	26,29665
Population categories\[None]	0,02801256	8,45335
Population categories\[None]	0,035706316	14,4
Population categories\[None]	0,019182198	8,8982384
Population categories\[None]	0,0191822	15,101762
Population categories\[None]	0,02110213	64,8
Population categories\[None]	0,008463907	96
Population categories\[None]	0,025554114	7,9756952
Population categories\[None]	0,025554115	6,4243048
Population categories\[None]	0,017441447	43,616525
Population categories\[None]	0,017441447	7,6979572
Population categories\[None]	0,017441448	2,675518
Population categories\[None]	0,01497364	43,2
Population categories\[None]	0,008709317	43,2
Population categories\[None]	0,032456559	2,4
Population categories\[None]	0,022257773	14,255102
Population categories\[None]	0,022257772	25,546136
Population categories\[None]	0,022257773	17,798762
Population categories\[None]	0,017671792	2,69
Population categories\[None]	0,005215953	56,793092
Population categories\[None]	0,005215952	0,80690788

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Population categories\[None]	0,029301854	8,39
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Population categories\[None]	0,037514328	14,003911
Population categories\[None]	0,037514326	14,876494
Population categories\[None]	0,017803911	45,6
Population categories\[None]	0,030144434	26,231988
Population categories\[None]	0,030144432	12,358012
Population categories\[None]	0,017419832	24
Population categories\[None]	0,015067553	36
Population categories\[None]	0,027852195	16,280583
Population categories\[None]	0,027852194	18,599417
Population categories\[None]	0,032376189	4,9283025
Population categories\[None]	0,032376182	13,121419
Population categories\[None]	0,032376186	10,200278
Population categories\[None]	0,007980076	12
Population categories\[None]	0,030437498	9,5
Population categories\[None]	0,025623346	6,69
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Population categories\[None]	0,013957747	2,1592637
Population categories\[None]	0,013957747	2,1592637
Population categories\[None]	0,031403337	45,6
Population categories\[None]	0,033833791	26,4
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Population categories\[None]	0,018877713	18,831746
Population categories\[None]	0,018877713	28,288254
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Population categories\[None]	0,016345817	2,5074482
Population categories\[None]	0,016345814	2,5286977
Population categories\[None]	0,016345816	30,782849
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Population categories\[None]	0,005914543	2,34
Population categories\[None]	0,016050504	2,4830132
Population categories\[None]	0,016050505	3,5169868
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Population categories\[None]	0,021318634	3,2979917
Population categories\[None]	0,014892326	38,91
Population categories\[None]	0,006414505	5,13
Population categories\[None]	0,0086695	2,0593528
Population categories\[None]	0,008669499	39,650647
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Population categories\[None]	0,008868252	1,3499253
Population categories\[None]	0,008868252	16,202429
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Population categories\[None]	0,01453768	2,2223025
Population categories\[None]	0,014537679	2,1178492

Population categories\[None]	0,01453768	12,770843
Population categories\[None]	0,014537681	2,2223025
Population categories\[None]	0,014537679	2,2300801
Population categories\[None]	0,016840253	2,5634233
Population categories\[None]	0,016840253	2,5634233
Population categories\[None]	0,016840254	3,7776056
Population categories\[None]	0,016840253	2,5742853
Population categories\[None]	0,016840252	2,5832948
Population categories\[None]	0,016840252	7,7579677
Population categories\[None]	0,01210126	10,55
Population categories\[None]	0,008064035	12,812099
Population categories\[None]	0,008064035	3,7920318
Population categories\[None]	0,008064035	6,8721707
Population categories\[None]	0,008064035	2,8836989
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Population categories\[None]	0,010231121	4,5641028
Population categories\[None]	0,01023112	4,3353349
Population categories\[None]	0,01023112	1,5639802
Population categories\[None]	0,009431149	4,750423
Population categories\[None]	0,009431149	1,4528686
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Population categories\[None]	0,00943115	1,4356096
Population categories\[None]	0,00943115	1,4416927
Population categories\[None]	0,009431151	1,4356096
Population categories\[None]	0,009431151	1,4356096
Population categories\[None]	0,009431148	1,4356096
Population categories\[None]	0,009431149	1,4528686
Population categories\[None]	0,009431149	2,4800152
Population categories\[None]	0,005025621	0,765
Population categories\[None]	0,005025621	0,765
Population categories\[None]	0,005742153	25,230274
Population categories\[None]	0,005742154	2,439726
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Population categories\[None]	0,081088885	37,742007
Population categories\[None]	0,081088879	75,066002
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Population categories\[None]	0,005767559	2,7382063
Population categories\[None]	0,005767559	17,661794
Population categories\[None]	0,007139291	16,379783
Population categories\[None]	0,007139291	5,9665198
Population categories\[None]	0,007139291	5,2536973
Population categories\[None]	0,0106656	30,909603
Population categories\[None]	0,0106656	1,630397
Population categories\[None]	0,007973762	14,198439

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Population categories\[None]	0,007973762	1,213766
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Population categories\[None]	0,016969177	8,7062063
Population categories\[None]	0,016969178	25,774654
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Population categories\[None]	0,017933755	30,973747
Population categories\[None]	0,017933756	2,751038
Population categories\[None]	0,017933755	2,7298762
Population categories\[None]	0,017933756	2,751038
Population categories\[None]	0,017933756	2,751038
Population categories\[None]	0,017933755	2,7414435
Population categories\[None]	0,017933756	18,028266
Population categories\[None]	0,017933755	8,4138006
Population categories\[None]	0,017933755	2,7298762
Population categories\[None]	0,005894022	2,6395787
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Population categories\[None]	0,005894022	2,4695951
Population categories\[None]	0,005894022	1,4018341
Population categories\[None]	0,005894021	0,90414294
Population categories\[None]	0,005894022	1,6544519
Population categories\[None]	0,010582527	8,4847524
Population categories\[None]	0,010582527	3,5605969
Population categories\[None]	0,010582526	5,8139872
Population categories\[None]	0,010582527	8,1806635
Population categories\[None]	0,008532616	1,3089033
Population categories\[None]	0,008532616	1,3089033
Population categories\[None]	0,008532616	9,6954839
Population categories\[None]	0,008532617	1,2988349
Population categories\[None]	0,008532616	4,3190397
Population categories\[None]	0,008532616	1,2988349
Population categories\[None]	0,006877929	6,89
Population categories\[None]	0,009325614	7,0959062
Population categories\[None]	0,009325613	1,3040938
Population categories\[None]	0,006669069	7,68
Population categories\[None]	0,022388183	3,4634522
Population categories\[None]	0,022388186	197,9035
Population categories\[None]	0,022388183	3,4634522
Population categories\[None]	0,022388185	78,898091
Population categories\[None]	0,022388185	19,683468
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Population categories\[None]	0,022388192	3,4634522
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Population categories\[None]	0,038801508	87,040514
Population categories\[None]	0,038801508	54,478094
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Population categories\[None]	0,005787368	1,62
Population categories\[None]	0,01023485	9,64
Population categories\[None]	0,010340446	10,09
Population categories\[None]	0,008351973	4,1712257
Population categories\[None]	0,008351973	6,6387743
Population categories\[None]	0,009515067	7,832042
Population categories\[None]	0,009515067	7,767958
Population categories\[None]	0,017961359	19,62
Population categories\[None]	0,028476507	1,2
Population categories\[None]	0,016592142	10,39
Population categories\[None]	0,01496312	2,84
Population categories\[None]	0,011293007	13,2
Population categories\[None]	0,01401031	13,152109
Population categories\[None]	0,014010311	4,2278913
Population categories\[None]	0,017853158	7,2
Population categories\[None]	0,009591099	4,4491192
Population categories\[None]	0,0095911	7,5508808
Population categories\[None]	0,010551065	32,4
Population categories\[None]	0,004231953	48
Population categories\[None]	0,012777057	3,9878476
Population categories\[None]	0,012777058	3,2121524
Population categories\[None]	0,009032466	22,58785
Population categories\[None]	0,009032466	3,9865694
Population categories\[None]	0,009032467	1,3855804
Population categories\[None]	0,00748682	21,6
Population categories\[None]	0,004354659	21,6
Population categories\[None]	0,01622828	1,2
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Population categories\[None]	0,011128886	12,773068
Population categories\[None]	0,011128887	8,899381
Population categories\[None]	0,023255816	3,54
Population categories\[None]	0,002607976	28,396546
Population categories\[None]	0,002607976	0,40345394
Population categories\[None]	0,015981222	28,8
Population categories\[None]	0,016214284	6,35
Population categories\[None]	0,014633465	4,19
Population categories\[None]	0,018757164	7,1597971
Population categories\[None]	0,018757164	7,0019556
Population categories\[None]	0,018757164	7,4382472
Population categories\[None]	0,008901956	22,8
Population categories\[None]	0,015076123	13,119393
Population categories\[None]	0,015076122	6,1806073
Population categories\[None]	0,008709916	12
Population categories\[None]	0,007533777	18
Population categories\[None]	0,022677819	13,255979
Population categories\[None]	0,022677819	15,144021
Population categories\[None]	0,033109667	5,0399526

Population categories\[None]	0,03310966	13,418683
Population categories\[None]	0,033109664	10,431364
Population categories\[None]	0,085985324	129,3
Population categories\[None]	0,015218749	4,75
Population categories\[None]	0,090007268	23,5
Population categories\[None]	0,006978874	19,440736
Population categories\[None]	0,006978874	1,0796319
Population categories\[None]	0,006978874	1,0796319
Population categories\[None]	0,015701668	22,8
Population categories\[None]	0,016916896	13,2
Population categories\[None]	0,008364326	16,8
Population categories\[None]	0,006840299	19,2
Population categories\[None]	0,008054965	8,4
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Population categories\[None]	0,012724027	19,066955
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Population categories\[None]	0,132154634	20,27252
Population categories\[None]	0,132154618	20,444321
Population categories\[None]	0,132154633	248,87691
Population categories\[None]	0,019521653	3,02
Population categories\[None]	0,007886057	3,12
Population categories\[None]	0,010352575	1,6015435
Population categories\[None]	0,010352576	2,2684565
Population categories\[None]	0,006711791	19,48
Population categories\[None]	0,019776249	15,660614
Population categories\[None]	0,019776256	3,0593858
Population categories\[None]	0,016450069	42,98
Population categories\[None]	0,021810537	3,32

	General risk	
Building	**Outdoor risk**	
Building	**Fraction of population indoors for societal risk**	**East**
	fraction	m
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		256654,6
		256897,9
		257094,2
		257245,7
		257467,8
		257601,6
		257655,8
		257714,3
		257809,3
		257864,8
		257917,3
		257954,1
		258025,3
		258182,2
		258264,9
		258299,8
		258375,5
		256607,9
		256760,9
		256778
		256948,5
		257027,7
		257104,1
		257188,5
		257246,5
		257313,7
		257381,7
		257475,9
		257539,3
		257651,6
		257699,7
		257823,4
		257875,2
		257989,6
		258086,8
		258160
		258336,3
		256706,2
		256653,7
		256645,1
		256781,5
		256760,5

		256720,5
		256635,8
		256729,1
		256948,7
		256879,3
		256797,9
		257959,6
		257865,2
		258121,4
		258041,1
		258379,1
		258552,8
		258771,7
		258982,5
		259060,3
		259219,8
		259166
		258812,6
		259394,9
		259447,5
		260195
		259850,3
		259776,4
		259985,1
		259589,6
		257144,9
		258130,2
		257822,7
		257365,3
		257317,9
		257485,8
		258038
		257739,7
		257927,8
		257424,1
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		258646,6
		258361,2
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		258954,6
		258421,6
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		259112,8
		258987,8
		259408,8
		259706,6
		259787
		259558,6
		259851,1
		259465,4

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		260345,3
		261129,9
		260296,4
		260347,8
		260244,4
		260452,2
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		260745,7
		260727,5
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		260580,3
		260577,1
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		260670,8
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		260601,8
		260545,1
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		260336,5
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		260514,2
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		260312,7
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		260192,5
		260404,1
		260480,4

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		260541,3
		260557,2
		260575,3
		260517,8
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		260424,5
		260233,7
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		260164,8
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		259411,4
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		259533,9
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		256654,6
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		257094,2
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		257601,6
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		257954,1
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		258264,9
		258299,8
		258375,5
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		256948,5
		257027,7
		257104,1
		257188,5
		257246,5
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		258336,3
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		258470,8
		256706,2
		256653,7
		256645,1
		256781,5
		256760,5
		256720,5
		256635,8
		256729,1
		256948,7
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		257959,6
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		258121,4
		258041,1
		258379,1
		258552,8
		258771,7
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		259166
		258812,6
		259394,9
		259447,5
		260195
		259850,3
		259776,4
		259985,1
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		257365,3
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		259112,8
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		259851,1
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		260345,3
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		260296,4
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		260244,4
		260452,2
		260599,8
		260508,5
		260625,1
		260598,4
		260811,1

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		260769,5
		260728,4
		260745,7
		260727,5
		260607,1
		260709,3
		260580,3
		260577,1
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		260670,8
		260627,9
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		260545,1
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		260583,5
		260441,8
		260408
		260454,6
		260543,1
		260308,8
		260354,8
		260570,8
		260307,9
		260403,6
		260206,7
		260336,5
		260303,2
		260514,2
		260497,6
		260312,7
		260559,1
		260192,5
		260404,1
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		260541,3
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		260575,3
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		260467,4
		260566,5
		260438,6
		260353
		260362,5
		260424,5
		260233,7
		260438,6
		260151,4

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		260345,8
		260342,8
		260639,4
		260624,7
		259587,9
		259411,4
		259446,4
		259573
		259457
		259533,9
		259407
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		259378,5
		259506,9
		258431,6
		258589,6
		259069,4
		259282,9
		260062,4
		259846,5
		259696,4
		259692
		259554,5
		259774,6
		259718,4
		259460,2
		260036,4

Geometry

Geometry				
North	Rotation (anti-clockwise)	Width	Length	Lower elevation
m	deg	m	m	m
568065,5				
568024,8				
567765,8				
567574,3				
567421,2				
567209				
567056,8				
566998,6				
566940,6				
566846,9				
566796,4				
566769,6				
566700,7				
566640,1				
566462				
566404,6				
566340,2				
566285,2				
567972,4				
567839,5				
567779,4				
567629,3				
567556,2				
567450,3				
567403,8				
567348,3				
567274,3				
567206,1				
567116,4				
567052,8				
566936,3				
566863,9				
566752,4				
566691,9				
566595,2				
566495,2				
566423,1				
566250,7				
568113,1				
568045,5				
568102,7				
568404,6				
568357,7				

568296,5				
568159,3				
568243,2				
568511,6				
568348,1				
568190,5				
568693,4				
568694,9				
568690,2				
568699				
568703,6				
568693,2				
568695,6				
568703,5				
568712,3				
568713,3				
568703,4				
568695,4				
568702,3				
568710,8				
568729,5				
568726,7				
568709,7				
568707,6				
568707,9				
568876,6				
568754,8				
568761,7				
568759,3				
568757				
568755,4				
568754,5				
568747,8				
568748,8				
568744,1				
568776,2				
568758,8				
568769,6				
568761,6				
568760				
568757,3				
568771,1				
568770,5				
568765,9				
568765,7				
568790,5				
568786,8				
568774				
568775,4				
568770,8				

568764,2				
568677,1				
568662,8				
568627,7				
567945,1				
567905,3				
567734,3				
567875,3				
567643,5				
567670,3				
567602				
567573,1				
567530,3				
567612,2				
567483,2				
567419,5				
567312,4				
567339,6				
567273,2				
567243,2				
567297,9				
567213,1				
567263,3				
567155,1				
567183,7				
567149,6				
567181,1				
567035,9				
567077,9				
567083,2				
567005,8				
567310,3				
567283,9				
567152,6				
567204,1				
567115,7				
567365,1				
567290,8				
567064				
566988,2				
567001,1				
567355,5				
567335,7				
566891,5				
567330,6				
567277,6				
567230,1				
567329,2				
566996				
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Upper elevation	Apply location offset	Shape	Dimension	Notes
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Use	**Risk transects**	**Folder**	**Name**	**East**
				m

Geometry

Geometry				
North	**Rotation (anti-clockwise)**	**Width**	**Length**	**Lower elevation**
m	deg	m	m	m

				Notes
		Invisible		Invisible
Upper elevation	Apply location offset	Shape	Dimension	Notes
m				

Use	Risk ranking points	Folder	Name	East
				m
Yes	Risk ranking points		RRP 1E-6 installati	259103,88
Yes	Risk ranking points		RRP 1E-6 putten	257797,53

Geometry

Geometry				
North	**Rotation (anti-clockwise)**	**Width**	**Length**	**Lower elevation**
m	deg	m	m	m
567136,86				
567180,61				

				Notes
		Invisible		Invisible
Upper elevation	Apply location offset	Shape	Dimension	Notes
m				
	0 No	0 Point	0 2D	
	0 No	0 Point	0 2D	

				Fire
Use	**Vulnerabilities**	**Personnel vulnerabilities**	**Name**	**Fireball radiation soc vulnerabilities**
				fraction
Yes	Vulnerabilities	Personnel vulnera	Outdoor vulnerability	

ball	Jet fire			Jet fi
Fireball radiation ind vulnerabilities	**Jetfire radiation soc vulnerabilities**	**Jet fire radiation ind vulnerabilities**	**Exposure time required for damage from jet fire**	**Jetfire radiation soc vulnerabilities**
fraction	fraction	fraction	s	fraction
				0

diation intensity method

re delayed ignition		Pool fire		
Jet fire radiation ind vulnerabilities	Exposure time required for damage from jet fire	Pool fire radiation soc vulnerabilities	Pool fire radiation ind vulnerabilities	Exposure time required for damage from pool fire
fraction	s	fraction	fraction	s
0				

			Threshold to
Pool fire delayed ignition			Threshold toxic
Pool fire radiation soc vulnerabilities	Pool fire radiation ind vulnerabilities	Exposure time required for damage from pool fire	Reference duration for threshold dose
fraction	fraction	s	s
0	0		

xic modelling
dose definition
Reference concentration for threshold dose

				Fire
Use	**Vulnerabilities**	**Personnel vulnerabilities**	**Name**	**Fireball radiation soc vulnerabilities**
				fraction
Yes	Vulnerabilities	Personnel vulnera	Indoor vulnerability	

ball	Jet fire			Jet fi
Fireball radiation ind vulnerabilities	**Jetfire radiation soc vulnerabilities**	**Jet fire radiation ind vulnerabilities**	**Exposure time required for damage from jet fire**	**Jetfire radiation soc vulnerabilities**
fraction	fraction	fraction	s	fraction
				0

diation intensity method

re delayed ignition		Pool fire		
Jet fire radiation ind vulnerabilities	Exposure time required for damage from jet fire	Pool fire radiation soc vulnerabilities	Pool fire radiation ind vulnerabilities	Exposure time required for damage from pool fire
fraction	s	fraction	fraction	s
0				

			Indoo
Pool fire delayed ignition			
Pool fire radiation soc vulnerabilities	**Pool fire radiation ind vulnerabilities**	**Exposure time required for damage from pool fire**	**Building exchange rate**
fraction	fraction	s	/hr
0	0		

r toxic modelling		Thr
Building data		**Threshold toxic**
Tail time	**Wind speed dependent**	**Reference duration for threshold dose**
s		s

eshold toxic modelling

dose definition	Building data	
Reference concentration for threshold dose	Building exchange rate	Tail time
	/hr	s

Use	Vulnerabilities	Building vulnerabilities	Name

Options			
Options	**Fireball**		
Choice of toxic modelling	**Fireball radiation soc vulnerabilities**	**Fireball radiation ind vulnerabilities**	**Jetfire radiation soc vulnerabilities**
	fraction	fraction	fraction

Radiation intensity m

Jet fire		Jet fire delayed ignition		
Jet fire radiation ind vulnerabilities	**Exposure time required for damage from jet fire**	**Jetfire radiation soc vulnerabilities**	**Jet fire radiation ind vulnerabilities**	**Exposure time required for damage from jet fire**
fraction	s	fraction	fraction	s

ethod

Pool fire			Pool fire delayed ig	
Pool fire radiation soc vulnerabilities	**Pool fire radiation ind vulnerabilities**	**Exposure time required for damage from pool fire**	**Pool fire radiation soc vulnerabilities**	**Pool fire radiation ind vulnerabilities**
fraction	fraction	s	fraction	fraction

	Indoor toxic modelling		
nition	Building data		
Exposure time required for damage from pool fire	Building exchange rate	Tail time	Wind speed dependent
s	/hr	s	

Threshold toxic modelling

Threshold toxic dose definition			Buildin
Use outdoor or indoor concentration	**Reference duration for threshold dose**	**Reference concentration for threshold dose**	**Building exchange rate**
	s		/hr

ıg data
Tail time
s

Model selection

Name	Default Model Selection
	Study\Put A1\Onderhoud A1\A1A Other tubing blowouts 0-20s (onderhouc
	Study\Put A1\Onderhoud A1\A1A Other tubing blowouts 20-140s (onderhc
	Study\Put A1\Onderhoud A1\A1A Casing blowout 0-20s (onderhoud)\A1A (
	Study\Put A1\Onderhoud A1\A1A Casing blowout 20-140s (onderhoud)\A1
	Study\Put A1\Onderhoud A1\A1B Other tubing blowouts 0-20s (onderhouc
	Study\Put A1\Onderhoud A1\A1B Other tubing blowouts 20-140s (onderhc
	Study\Put A1\Onderhoud A1\A1B Casing blowout 0-20s (onderhoud)\A1B (
	Study\Put A1\Onderhoud A1\A1B Casing blowout 20-140s (onderhoud)\A1
	Study\Put A2\Onderhoud A2\A2A Other tubing blowouts 0-20s (onderhouc
	Study\Put A2\Onderhoud A2\A2A Other tubing blowouts 20-140s (onderhc
	Study\Put A2\Onderhoud A2\A2A Casing blowout 0-20s (onderhoud)\A2A (
	Study\Put A2\Onderhoud A2\A2A Casing blowout 20-140s (onderhoud)\A2
	Study\Put A2\Onderhoud A2\A2B Other tubing blowouts 0-20s (onderhouc
	Study\Put A2\Onderhoud A2\A2B Other tubing blowouts 20-140s (onderhc
	Study\Put A2\Onderhoud A2\A2B Casing blowout 0-20s (onderhoud)\A2B (
	Study\Put A2\Onderhoud A2\A2B Casing blowout 20-140s (onderhoud)\A2
	Study\Put A3\Onderhoud A3\A3A Other tubing blowouts 0-20s (onderhouc
	Study\Put A3\Onderhoud A3\A3A Other tubing blowouts 20-140s (onderhc
	Study\Put A3\Onderhoud A3\A3A Casing blowout 0-20s (onderhoud)\A3A (
	Study\Put A3\Onderhoud A3\A3A Casing blowout 20-140s (onderhoud)\A3
	Study\Put A3\Onderhoud A3\A3B Other tubing blowouts 0-20s (onderhouc
	Study\Put A3\Onderhoud A3\A3B Other tubing blowouts 20-140s (onderhc
	Study\Put A3\Onderhoud A3\A3B Casing blowout 0-20s (onderhoud)\A3B (
	Study\Put A3\Onderhoud A3\A3B Casing blowout 20-140s (onderhoud)\A3
	Study\Put A4\Onderhoud A4\A4A Other tubing blowouts 0-20s (onderhouc
	Study\Put A4\Onderhoud A4\A4A Other tubing blowouts 20-140s (onderhc
	Study\Put A4\Onderhoud A4\A4A Casing blowout 0-20s (onderhoud)\A4A (
	Study\Put A4\Onderhoud A4\A4A Casing blowout 20-140s (onderhoud)\A4
	Study\Put A4\Onderhoud A4\A4B Other tubing blowouts 0-20s (onderhouc
	Study\Put A4\Onderhoud A4\A4B Other tubing blowouts 20-140s (onderhc
	Study\Put A4\Onderhoud A4\A4B Casing blowout 0-20s (onderhoud)\A4B (
	Study\Put A4\Onderhoud A4\A4B Casing blowout 20-140s (onderhoud)\A4
	Study\Put A6\Onderhoud A6\A6A Other tubing blowouts 0-20s (onderhouc
	Study\Put A6\Onderhoud A6\A6A Other tubing blowouts 20-140s (onderhc
	Study\Put A6\Onderhoud A6\A6A Casing blowout 0-20s (onderhoud)\A6A (
	Study\Put A6\Onderhoud A6\A6A Casing blowout 20-140s (onderhoud)\A6
	Study\Put A6\Onderhoud A6\A6B Other tubing blowouts 0-20s (onderhouc
	Study\Put A6\Onderhoud A6\A6B Other tubing blowouts 20-140s (onderhc
	Study\Put A6\Onderhoud A6\A6B Casing blowout 0-20s (onderhoud)\A6B (
	Study\Put A6\Onderhoud A6\A6B Casing blowout 20-140s (onderhoud)\A6
	Study\Put A7\Onderhoud A7\A7A Other tubing blowouts 0-20s (onderhouc
	Study\Put A7\Onderhoud A7\A7A Other tubing blowouts 20-140s (onderhc
	Study\Put A7\Onderhoud A7\A7A Casing blowout 0-20s (onderhoud)\A7A (
	Study\Put A7\Onderhoud A7\A7A Casing blowout 20-140s (onderhoud)\A7
	Study\Put A7\Onderhoud A7\A7B Other tubing blowouts 0-20s (onderhouc
	Study\Put A7\Onderhoud A7\A7B Other tubing blowouts 20-140s (onderhc
	Study\Put A7\Onderhoud A7\A7B Casing blowout 0-20s (onderhoud)\A7B (

Study\Put A7\Onderhoud A7\A7B Casing blowout 20-140s (onderhoud)\A7
Study\Compressoren\60301\Long Pipeline Compressor_60301-12-170-BG I
Study\Compressoren\60301\Long Pipeline Compressor_60301-12-170-BG I
Study\Compressoren\60301\Long Pipeline Compressor_60301-12-170-BG I
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Study\Compressoren\60401\Long Pipeline Compressor_60401-12-170-BG I
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Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E2\Lon
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Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E3\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E4\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E4\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E4\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E4\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E5\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E5\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E5\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E5\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E6\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E6\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E6\Lon
Study\Warmtewisselaars\Pijpwarmtewisselaars Gas Heating Trains\E6\Lon
Study\Centrifugaal sep. (2.7m)\81501\Long Pipeline filter_81501-6-65-BG E
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Study\Centrifugaal sep. (5.5m)\82201\Long Pipeline filter_82201-12-65-BG
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Study\Centrifugaal sep. (5.5m)\82101\Long Pipeline filter_82101-12-65-BG
Study\Put A1\Productie A1\Long Pipeline A1A Tubing blowout 0-20s (produ
Study\Put A1\Productie A1\Long Pipeline A1A Tubing blowout 20-140s (prc
Study\Put A1\Productie A1\Long Pipeline A1B Tubing blowout 0-20s (produ
Study\Put A1\Productie A1\Long Pipeline A1B Tubing blowout 20-140s (prc
Study\Put A2\Productie A2\Long Pipeline A2A Tubing blowout 0-20s (produ
Study\Put A2\Productie A2\Long Pipeline A2A Tubing blowout 20-140s (prc
Study\Put A2\Productie A2\Long Pipeline A2B Tubing blowout 0-20s (produ
Study\Put A2\Productie A2\Long Pipeline A2B Tubing blowout 20-140s (prc
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Study\Put A4\Productie A4\Long Pipeline A4B Tubing blowout 20-140s (prc
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Study\Put A7\Productie A7\Long Pipeline A7A Tubing blowout 20-140s (prc
Study\Put A7\Productie A7\Long Pipeline A7B Tubing blowout 0-20s (produ
Study\Put A7\Productie A7\Long Pipeline A7B Tubing blowout 20-140s (prc
Study\Filter sep\60101\Long Pipeline filter_60101-12-65-BG Instantaan_na
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Study\Centrifugaal sep. (5.5m)\81301\filter_81301-12-65-BG Lek\filter_813
Study\Centrifugaal sep. (5.5m)\81401\filter_81401-12-65-BG Lek\filter_814
Study\Centrifugaal sep. (5.5m)\81101\filter_81101-12-65-BG Lek\filter_811
Study\Centrifugaal sep. (5.5m)\82101\filter_82101-12-65-BG Lek\filter_821
Study\Put A1\Productie A1\A1A Vertical tubing leak (productie)\A1A Vertic
Study\Put A1\Productie A1\A1A Horizontal tubing leak (productie)\A1A Hor
Study\Put A1\Productie A1\A1B Vertical tubing leak (productie)\A1B Vertic
Study\Put A1\Productie A1\A1B Horizontal tubing leak (productie)\A1B Hor
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Study\Put A1\Onderhoud A1\A1A Horizontal tubing leak (onderhoud)\A1A
Study\Put A1\Onderhoud A1\A1B Vertical tubing leak (onderhoud)\A1B Ve
Study\Put A1\Onderhoud A1\A1B Horizontal tubing leak (onderhoud)\A1B
Study\Put A2\Productie A2\A2A Vertical tubing leak (productie)\A2A Vertic
Study\Put A2\Productie A2\A2A Horizontal tubing leak (productie)\A2A Hor
Study\Put A2\Productie A2\A2B Vertical tubing leak (productie)\A2B Vertic
Study\Put A2\Productie A2\A2B Horizontal tubing leak (productie)\A2B Hor
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Study\Put A2\Onderhoud A2\A2B Vertical tubing leak (onderhoud)\A2B Ve
Study\Put A2\Onderhoud A2\A2B Horizontal tubing leak (onderhoud)\A2B
Study\Put A3\Productie A3\A3A Vertical tubing leak (productie)\A3A Vertic
Study\Put A3\Productie A3\A3A Horizontal tubing leak (productie)\A3A Hor
Study\Put A3\Productie A3\A3B Vertical tubing leak (productie)\A3B Vertic
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Study\Put A4\Productie A4\A4A Vertical tubing leak (productie)\A4A Vertic
Study\Put A4\Productie A4\A4A Horizontal tubing leak (productie)\A4A Hor
Study\Put A4\Productie A4\A4B Vertical tubing leak (productie)\A4B Vertic
Study\Put A4\Productie A4\A4B Horizontal tubing leak (productie)\A4B Hor
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Study\Put A4\Onderhoud A4\A4B Vertical tubing leak (onderhoud)\A4B Ve
Study\Put A4\Onderhoud A4\A4B Horizontal tubing leak (onderhoud)\A4B
Study\Put A6\Productie A6\A6A Vertical tubing leak (productie)\A6A Vertic
Study\Put A6\Productie A6\A6A Horizontal tubing leak (productie)\A6A Hor
Study\Put A6\Productie A6\A6B Vertical tubing leak (productie)\A6B Vertic
Study\Put A6\Productie A6\A6B Horizontal tubing leak (productie)\A6B Hor
Study\Put A6\Onderhoud A6\A6A Vertical tubing leak (onderhoud)\A6A Ve
Study\Put A6\Onderhoud A6\A6A Horizontal tubing leak (onderhoud)\A6A
Study\Put A6\Onderhoud A6\A6B Vertical tubing leak (onderhoud)\A6B Ve
Study\Put A6\Onderhoud A6\A6B Horizontal tubing leak (onderhoud)\A6B
Study\Put A7\Productie A7\A7A Vertical tubing leak (productie)\A7A Vertic
Study\Put A7\Productie A7\A7A Horizontal tubing leak (productie)\A7A Hor
Study\Put A7\Productie A7\A7B Vertical tubing leak (productie)\A7B Vertic
Study\Put A7\Productie A7\A7B Horizontal tubing leak (productie)\A7B Hor
Study\Put A7\Onderhoud A7\A7A Vertical tubing leak (onderhoud)\A7A Ve
Study\Put A7\Onderhoud A7\A7A Horizontal tubing leak (onderhoud)\A7A
Study\Put A7\Onderhoud A7\A7B Vertical tubing leak (onderhoud)\A7B Ve
Study\Put A7\Onderhoud A7\A7B Horizontal tubing leak (onderhoud)\A7B
Study\Filter sep\60101\filter_60101-12-65-BG Lek\filter_60101-12-65-BG L
Study\Filter sep\60201\filter_60201-12-65-BG Lek\filter_60201-12-65-BG L
Study\Filter sep\60301\filter_60301-12-65-BG Lek\filter_60301-12-65-BG L
Study\Filter sep\60401\filter_60401-12-65-BG Lek\filter_60401-12-65-BG L
Study\Filter sep\60501\filter_60501-12-65-BG Lek\filter_60501-12-65-BG L
Study\Filter sep\60601\filter_60601-12-65-BG Lek\filter_60601-12-65-BG L
Study\Vloeistofvangers\91105\filter_91105-16-170-BG Lek\filter_91105-16
Study\Vloeistofvangers\91205\filter_91205-16-170-BG Lek\filter_91205-16
Study\Vloeistofvangers\92105\filter_92105-16-170-BG Lek\filter_92105-16
Study\Vloeistofvangers\92205\filter_92205-16-170-BG Lek\filter_92205-16
Study\Vloeistofvangers\91305\filter_91305-16-170-BG Lek\filter_91305-16
Study\Filter sep\60101\filter_60101-12-65-BG 10minuten scenario\filter_6
Study\Filter sep\60201\filter_60201-12-65-BG 10minuten scenario\filter_6
Study\Filter sep\60301\filter_60301-12-65-BG 10minuten scenario\filter_6
Study\Filter sep\60401\filter_60401-12-65-BG 10minuten scenario\filter_6

Study\Filter sep\60501\filter_60501-12-65-BG 10minuten scenario\filter_6
Study\Filter sep\60601\filter_60601-12-65-BG 10minuten scenario\filter_6
Study\Vloeistofvangers\91105\filter_91105-16-170-BG 10minuten scenaric
Study\Vloeistofvangers\91205\filter_91205-16-170-BG 10minuten scenaric
Study\Vloeistofvangers\92105\filter_92105-16-170-BG 10minuten scenaric
Study\Vloeistofvangers\92205\filter_92205-16-170-BG 10minuten scenaric
Study\Vloeistofvangers\91305\filter_91305-16-170-BG 10minuten scenaric
Study\BG Leidingen\Route segments\C1_2-10-170-BG - Route
Study\BG Leidingen\Route segments\C1_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C1_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C1_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C1_6-10-170-BG - Route
Study\BG Leidingen\Route segments\C1_7-12-65-BG - Route
Study\BG Leidingen\Route segments\C1_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C2_2-10-170-BG - Route
Study\BG Leidingen\Route segments\C2_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C2_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C2_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C2_6-10-170-BG - Route
Study\BG Leidingen\Route segments\C2_7-12-65-BG - Route
Study\BG Leidingen\Route segments\C2_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C3_2-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_6-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_7-12-65-BG - Route
Study\BG Leidingen\Route segments\C3_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C4_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_6-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_7-12-65-BG - Route
Study\BG Leidingen\Route segments\C4_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C5_1-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_2-10-170-BG - Route
Study\BG Leidingen\Route segments\C6_1-10-170-BG - Route
Study\BG Leidingen\Route segments\C6_2-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_6-10-170-BG - Route
Study\BG Leidingen\Route segments\C5_7-12-65-BG - Route
Study\BG Leidingen\Route segments\C5_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C6_3-10-170-BG - Route
Study\BG Leidingen\Route segments\C6_4-10-170-BG - Route
Study\BG Leidingen\Route segments\C6_5-10-170-BG - Route
Study\BG Leidingen\Route segments\C6_6-10-170-BG - Route
Study\BG Leidingen\Route segments\L1_2-16-170-BG - Route
Study\BG Leidingen\Route segments\G2_1-20-65-BG - Route

Study\BG Leidingen\Route segments\L5_2-16-170-BG - Route
Study\BG Leidingen\Route segments\G3_1-20-65-BG - Route
Study\BG Leidingen\Route segments\G3_3-20-65-BG - Route
Study\BG Leidingen\Route segments\G4_1-20-65-BG - Route
Study\BG Leidingen\Route segments\G4_3-20-65-BG - Route
Study\BG Leidingen\Route segments\Gi-20-65-BG - Route
Study\BG Leidingen\Route segments\L2_2-16-170-BG - Route
Study\BG Leidingen\Route segments\L3_2-16-170-BG - Route
Study\BG Leidingen\Route segments\L4_2-16-170-BG - Route
Study\BG Leidingen\Route segments\E1_1-20-170-BG - Route
Study\BG Leidingen\Route segments\E1_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E1_4-20-65-BG - Route
Study\BG Leidingen\Route segments\E2_1-20-170-BG - Route
Study\BG Leidingen\Route segments\G2_3-20-65-BG - Route
Study\BG Leidingen\Route segments\E2_3-20-170-BG - Route
Study\BG Leidingen\Route segments\E2_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E2_6-20-65-BG - Route
Study\BG Leidingen\Route segments\E3_1-20-170-BG - Route
Study\BG Leidingen\Route segments\E3_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E3_4-20-65-BG - Route
Study\BG Leidingen\Route segments\E4_1-20-170-BG - Route
Study\BG Leidingen\Route segments\E4_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E4_4-20-65-BG - Route
Study\BG Leidingen\Route segments\E5_1-20-170-BG - Route
Study\BG Leidingen\Route segments\E5_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E5_3-20-170-BG - Route
Study\BG Leidingen\Route segments\E5_4-20-170-BG - Route
Study\BG Leidingen\Route segments\E6_1-20-170-BG - Route
Study\BG Leidingen\Route segments\E2_4-20-170-BG - Route
Study\BG Leidingen\Route segments\E6_2-20-170-BG - Route
Study\BG Leidingen\Route segments\E6_4-20-65-BG - Route
Study\BG Leidingen\Route segments\G1_1-20-65-BG - Route
Study\BG Leidingen\Route segments\G1_3-20-65-BG - Route
Study\BG Leidingen\Route segments\In5_4-16-170-BG - Route
Study\BG Leidingen\Route segments\In1_2-16-170-BG - Route
Study\BG Leidingen\Route segments\I_5-20-65-BG - Route
Study\BG Leidingen\Route segments\I_6-20-65-BG - Route
Study\BG Leidingen\Route segments\I_7-20-65-BG - Route
Study\BG Leidingen\Route segments\I_8-20-65-BG - Route
Study\BG Leidingen\Route segments\In5_6-16-170-BG - Route
Study\BG Leidingen\Route segments\In4_1-16-170-BG - Route
Study\BG Leidingen\Route segments\In4_2-16-170-BG - Route
Study\BG Leidingen\Route segments\In4_4-16-170-BG - Route
Study\BG Leidingen\Route segments\In4_6-16-170-BG - Route
Study\BG Leidingen\Route segments\In5_1-16-170-BG - Route
Study\BG Leidingen\Route segments\In5_2-16-170-BG - Route
Study\BG Leidingen\Route segments\C1_1-10-170-BG - Route
Study\BG Leidingen\Route segments\In2_1-16-170-BG - Route
Study\BG Leidingen\Route segments\In2_2-16-170-BG - Route
Study\BG Leidingen\Route segments\In1_6-16-170-BG - Route

Study\BG Leidingen\Route segments\E5_6-20-65-BG - Route
Study\BG Leidingen\Route segments\C6_8-12-65-BG - Route
Study\BG Leidingen\Route segments\C2_1-10-170-BG - Route
Study\BG Leidingen\Route segments\C3_1-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_1-10-170-BG - Route
Study\BG Leidingen\Route segments\C4_2-10-170-BG - Route
Study\BG Leidingen\Route segments\In3_2-16-170-BG - Route
Study\BG Leidingen\Route segments\In3_4-16-170-BG - Route
Study\BG Leidingen\Route segments\In1_4-16-170-BG - Route
Study\BG Leidingen\Route segments\In3_6-16-170-BG - Route
Study\BG Leidingen\Route segments\In1_1-16-170-BG - Route
Study\BG Leidingen\Route segments\In2_6-16-170-BG - Route
Study\BG Leidingen\Route segments\In3_1-16-170-BG - Route
Study\BG Leidingen\Route segments\In2_4-16-170-BG - Route
Study\BG Leidingen\Route segments\straat_I_1-20-65-BG - Route
Study\BG Leidingen\Route segments\straat_I_3-20-65-BG - Route
Study\BG Leidingen\Route segments\straat_I_4-20-65-BG - Route
Study\BG Leidingen\Route segments\straat_I_2-20-65-BG - Route
Study\BG Leidingen\Route segments\koppeling-20-65-BG - Route
Study\BG Leidingen\Route segments\koppeling2-20-65-BG - Route
Study\OG Leidingen\Route segments\K_3-30-65-OG - Route
Study\OG Leidingen\Route segments\K_4-30-65-OG - Route
Study\OG Leidingen\Route segments\A7-16-170-OG - Route
Study\OG Leidingen\Route segments\G2_2-20-65-OG - Route
Study\OG Leidingen\Route segments\G3_2-20-65-OG - Route
Study\OG Leidingen\Route segments\G4_2-20-65-OG - Route
Study\OG Leidingen\Route segments\A6-16-170-OG - Route
Study\OG Leidingen\Route segments\A4-16-170-OG - Route
Study\OG Leidingen\Route segments\A3-16-170-OG - Route
Study\OG Leidingen\Route segments\E1_3-20-65-OG - Route
Study\OG Leidingen\Route segments\E2_5-20-65-OG - Route
Study\OG Leidingen\Route segments\E3_3-20-65-OG - Route
Study\OG Leidingen\Route segments\E4_3-20-65-OG - Route
Study\OG Leidingen\Route segments\E5_5-20-65-OG - Route
Study\OG Leidingen\Route segments\E6_3-20-65-OG - Route
Study\OG Leidingen\Route segments\G1_2-20-65-OG - Route
Study\OG Leidingen\Route segments\H_1-30-170-OG - Route
Study\OG Leidingen\Route segments\H_2-30-65-OG - Route
Study\OG Leidingen\Route segments\H_3-30-170-OG - Route
Study\OG Leidingen\Route segments\H_4-30-65-OG - Route
Study\OG Leidingen\Route segments\H_5-30-170-OG - Route
Study\OG Leidingen\Route segments\H_6-30-170-OG - Route
Study\OG Leidingen\Route segments\In5_5-16-170-OG - Route
Study\OG Leidingen\Route segments\In4_3-16-170-OG - Route
Study\OG Leidingen\Route segments\In4_5-16-170-OG - Route
Study\OG Leidingen\Route segments\In5_3-16-170-OG - Route
Study\OG Leidingen\Route segments\K_1-30-65-OG - Route
Study\OG Leidingen\Route segments\T-20-65-OG - Route
Study\OG Leidingen\Route segments\K_2-30-65-OG - Route
Study\OG Leidingen\Route segments\K_5-30-65-OG - Route

Study\OG Leidingen\Route segments\K_6-30-65-OG - Route
Study\OG Leidingen\Route segments\A2-16-170-OG - Route
Study\OG Leidingen\Route segments\A1-16-170-OG - Route
Study\OG Leidingen\Route segments\In1_3-16-170-OG - Route
Study\OG Leidingen\Route segments\In3_3-16-170-OG - Route
Study\OG Leidingen\Route segments\In3_5-16-170-OG - Route
Study\OG Leidingen\Route segments\In2_5-16-170-OG - Route
Study\OG Leidingen\Route segments\In1_5-16-170-OG - Route
Study\OG Leidingen\Route segments\In2_3-16-170-OG - Route
Study\Flenzen\Route segments\straat_I_1-20-65-BG - Route
Study\Flenzen\Route segments\straat_I_3-20-65-BG - Route
Study\Flenzen\Route segments\straat_I_4-20-65-BG - Route
Study\Flenzen\Route segments\straat_I_2-20-65-BG - Route

ine C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lo
ine C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\
ine C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lor
ine C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\
ine C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lo
ine C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\
ine C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lor
ine C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\
ine C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lo
ine C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\
ine C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd upstream 0-20s\Long
ine C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Lo
ine C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Lo
ine C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\

g Pipeline E1-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E1-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E1-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

g Pipeline E2-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E2-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E2-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

g Pipeline E3-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E3-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E3-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

g Pipeline E4-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E4-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E4-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

g Pipeline E5-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E5-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E5-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

g Pipeline E6-WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s\Long
g Pipeline E6-WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s\Long
g Pipeline E6-WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s\Lo

ıtaan_nalevering upstream vertraagde ontsteking\Long Pipeline Breach filte

ıtaan_nalevering downstream vertraagde ontsteking\Long Pipeline Breach f

ıtaan_nalevering upstream vertraagde ontsteking\Long Pipeline Breach filte

ıtaan_nalevering downstream vertraagde ontsteking\Long Pipeline Breach f

ıtaan_nalevering upstream vertraagde ontsteking\Long Pipeline Breach filte

ıtaan_nalevering downstream vertraagde ontsteking\Long Pipeline Breach f

ıtaan_nalevering upstream vertraagde ontsteking\Long Pipeline Breach filte

ıtaan_nalevering downstream vertraagde ontsteking\Long Pipeline Breach f

ıtaan_nalevering upstream vertraagde ontsteking\Long Pipeline Breach filte

ıtaan_nalevering downstream vertraagde ontsteking\Long Pipeline Breach f

ng Pipeline Breach C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s
ng Pipeline Breach C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C1_E60101_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

ng Pipeline Breach C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C2-E60201_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

ng Pipeline Breach C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s
ng Pipeline Breach C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C3_E60301_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

ng Pipeline Breach C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C4-E60401_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

ng Pipeline Breach C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s
ng Pipeline Breach C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C5_E60501_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

ng Pipeline Breach C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd upstream 20-140s
ng Pipeline Breach C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd downstream 0-20s
Long Pipeline Breach C6_E60601_WW BG Breuk 10 pijpen tegelijkertijd downstream 20-140s

Ignition selection

Name Default Ignition Set

Population selection

Name	Default Population Set	BAG_nacht
		Populations\BAG_nacht\pc9644TE
		Populations\BAG_nacht\pc9644TG_p
		Populations\BAG_nacht\pc9644TG_p
		Populations\BAG_nacht\pc9644TH_p
		Populations\BAG_nacht\pc9644TH_p
		Populations\BAG_nacht\pc9644TH_p
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TJ_p(
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TK_p
		Populations\BAG_nacht\pc9644TM
		Populations\BAG_nacht\pc9644TN_p
		Populations\BAG_nacht\pc9644TN_p
		Populations\BAG_nacht\pc9644TN_p
		Populations\BAG_nacht\pc9644TN_p
		Populations\BAG_nacht\pc9644TP_p
		Populations\BAG_nacht\pc9644TP_p
		Populations\BAG_nacht\pc9644TP_p
		Populations\BAG_nacht\pc9644TP_p
		Populations\BAG_nacht\pc9644TP_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644TR_p
		Populations\BAG_nacht\pc9644VH_p
		Populations\BAG_nacht\pc9644VH_p
		Populations\BAG_nacht\pc9644VJ
		Populations\BAG_nacht\pc9644VL_1
		Populations\BAG_nacht\pc9644VL_2
		Populations\BAG_nacht\pc9644VL_2
		Populations\BAG_nacht\pc9644VL_2
		Populations\BAG_nacht\pc9644VM
		Populations\BAG_nacht\pc9644VN_p

Populations\BAG_nacht\pc9644VN_p
Populations\BAG_nacht\pc9644VS
Populations\BAG_nacht\pc9644XC_p
Populations\BAG_nacht\pc9644XC_p
Populations\BAG_nacht\pc9644XD_p
Populations\BAG_nacht\pc9644XD_p
Populations\BAG_nacht\pc9644XD_p
Populations\BAG_nacht\pc9644XE_p
Populations\BAG_nacht\pc9644XE_p
Populations\BAG_nacht\pc9644XG_p
Populations\BAG_nacht\pc9644XG_p
Populations\BAG_nacht\pc9644XG_p
Populations\BAG_nacht\pc9644XG_p
Populations\BAG_nacht\pc9644XG_p
Populations\BAG_nacht\pc9644XH_p
Populations\BAG_nacht\pc9644XH_p
Populations\BAG_nacht\pc9644XJ_p(
Populations\BAG_nacht\pc9644XJ_p(
Populations\BAG_nacht\pc9644XJ_p(
Populations\BAG_nacht\pc9644XJ_p(
Populations\BAG_nacht\pc9644XJ_p(
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XK_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XL_p
Populations\BAG_nacht\pc9644XM_
Populations\BAG_nacht\pc9644XM_
Populations\BAG_nacht\pc9644XM_
Populations\BAG_nacht\pc9644XM_
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Populations\BAG_nacht\pc9644XN_p
Populations\BAG_nacht\pc9644XN_p
Populations\BAG_nacht\pc9644XN_p
Populations\BAG_nacht\pc9644XN_p
Populations\BAG_nacht\pc9644XN_p
Populations\BAG_nacht\pc9644XX
Populations\BAG_nacht\pc9663AL_p
Populations\BAG_nacht\pc9663AL_p

Populations\BAG_nacht\pc9663AM
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AV_p
Populations\BAG_nacht\pc9663AW_
Populations\BAG_nacht\pc9663AW_
Populations\BAG_nacht\pc9663AW_
Populations\BAG_nacht\pc9663BP_1
Populations\BAG_nacht\pc9663BP_2
Populations\BAG_nacht\pc9663BR
Populations\BAG_nacht\pc9663BV
Populations\BAG_nacht\pc9663BW_
Populations\BAG_nacht\pc9663BW_
Populations\BAG_nacht\pc9663BX_p
Populations\BAG_nacht\pc9663BX_p
Populations\BAG_nacht\pc9663CA
Populations\BAG_nacht\pc9663CC_1
Populations\BAG_nacht\pc9663CC_2
Populations\BAG_nacht\pc9663CE
Populations\BAG_nacht\pc9663CG
Populations\BAG_nacht\pc9663CJ_p(
Populations\BAG_nacht\pc9663CJ_p(
Populations\BAG_nacht\pc9663CK
Populations\BAG_nacht\pc9663CL_p
Populations\BAG_nacht\pc9663CL_p
Populations\BAG_nacht\pc9663CM
Populations\BAG_nacht\pc9663CN
Populations\BAG_nacht\pc9663CP_p
Populations\BAG_nacht\pc9663CP_p
Populations\BAG_nacht\pc9663CR_p
Populations\BAG_nacht\pc9663CR_p
Populations\BAG_nacht\pc9663CR_p
Populations\BAG_nacht\pc9663CS
Populations\BAG_nacht\pc9663CT
Populations\BAG_nacht\pc9663CV
Populations\BAG_nacht\pc9663CZ_p
Populations\BAG_nacht\pc9663CZ_p
Populations\BAG_nacht\pc9663CZ_p
Populations\BAG_nacht\pc9663DB
Populations\BAG_nacht\pc9663DC_p
Populations\BAG_nacht\pc9663DC_p
Populations\BAG_nacht\pc9663DD
Populations\BAG_nacht\pc9663EK
Populations\BAG_nacht\pc9663EL
Populations\BAG_nacht\pc9663EM_p

Populations\BAG_nacht\pc9663EM_
Populations\BAG_nacht\pc9663EM_
Populations\BAG_nacht\pc9663EN
Populations\BAG_nacht\pc9663ER_p
Populations\BAG_nacht\pc9663ER_p
Populations\BAG_nacht\pc9663ES
Populations\BAG_nacht\pc9663ET
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Populations\BAG_nacht\pc9663EW_
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Populations\BAG_nacht\pc9663GE
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Populations\BAG_nacht\pc9663HE
Populations\BAG_nacht\pc9663HG
Populations\BAG_nacht\pc9663HH_
Populations\BAG_nacht\pc9663HH_
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Populations\BAG_nacht\pc9663RK
Populations\BAG_nacht\pc9663RS
Populations\BAG_nacht\pc9663RT_p
Populations\BAG_nacht\pc9663RT_p
Populations\BAG_nacht\pc9663RV
Populations\BAG_nacht\pc9663SC_p
Populations\BAG_nacht\pc9663SC_p
Populations\BAG_nacht\pc9663SE

BAG_dag
Populations\BAG_dag\pc9644TE
Populations\BAG_dag\pc9644TG_p01
Populations\BAG_dag\pc9644TG_p02
Populations\BAG_dag\pc9644TH_p01
Populations\BAG_dag\pc9644TH_p02
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Populations\BAG_dag\pc9644TJ_p02
Populations\BAG_dag\pc9644TJ_p03
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Populations\BAG_dag\pc9644TK_p05
Populations\BAG_dag\pc9644TK_p06
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Populations\BAG_dag\pc9644TN_p02
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Populations\BAG_dag\pc9644TR_p02
Populations\BAG_dag\pc9644TR_p03
Populations\BAG_dag\pc9644TR_p04
Populations\BAG_dag\pc9644TR_p05
Populations\BAG_dag\pc9644TR_p06
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Populations\BAG_dag\pc9644VN_p02
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Populations\BAG_dag\pc9644XC_p02
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Populations\BAG_dag\pc9644XE_p02
Populations\BAG_dag\pc9644XG_p01
Populations\BAG_dag\pc9644XG_p02
Populations\BAG_dag\pc9644XG_p03
Populations\BAG_dag\pc9644XG_p04
Populations\BAG_dag\pc9644XG_p05
Populations\BAG_dag\pc9644XH_p01
Populations\BAG_dag\pc9644XH_p02
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Populations\BAG_dag\pc9644XJ_p02
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Populations\BAG_dag\pc9644XK_p02
Populations\BAG_dag\pc9644XK_p03
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Populations\BAG_dag\pc9644XL_p05
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Populations\BAG_dag\pc9644XM_p04
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Populations\BAG_dag\pc9644XN_p02
Populations\BAG_dag\pc9644XN_p03
Populations\BAG_dag\pc9644XN_p04
Populations\BAG_dag\pc9644XN_p05
Populations\BAG_dag\pc9644XN_p06
Populations\BAG_dag\pc9644XX

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Populations\BAG_dag\pc9663CJ_p02
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Populations\BAG_dag\pc9663HJ_p04
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Populations\BAG_dag\pc9663RT_p02
Populations\BAG_dag\pc9663RV
Populations\BAG_dag\pc9663SC_p01
Populations\BAG_dag\pc9663SC_p02
Populations\BAG_dag\pc9663SE
Populations\BAG_dag\pc9663TZ

Risk ranking point selection

Name	Default Risk Ranking Point Set
	Risk ranking points\RRP 1E-6 installatie
	Risk ranking points\RRP 1E-6 putten

Weather selection

Name

Effect level selection

Name

Run Rows definition

Risk settings

Use	Name	Risk ranking points
Yes	Run Rows	Default Risk Ranking Point Set

Combinations

Combinations

Combination Names
1

				Consequen
Use	**Run Rows**	**Name**	**Models**	**Weather Folder**
Yes	Run Rows	Dag	Default Model Selection	Eelde, dag
Yes	Run Rows	Nacht	Default Model Selection	Eelde, nacht

Run Row defin

ıce settings		Risk settings		
Weathers	**Parameters**	**Populations**	**Ignition Table**	**Ignitions**
All	Dag	BAG_dag	Ignition tables\Typical control	Default Ignition Set
All	Nacht	BAG_nacht	Ignition tables\Typical control	Default Ignition Set

ıtıon

s		actors for combining th
Boundary	**Location Offset**	**FAR population factor**
		fraction
Boundaries\Boundary	Location offsets\Location Offset	1
Boundaries\Boundary	Location offsets\Location Offset	1

his Run Row with other
Combination factors
fraction
0,44
0,56

		Risk results options
Use	**Name**	**Level of detail in risk results**
Yes	Risk Preferences	0 Minimum

Risk

Ranking reports	Societal risk ranking grid	
Aversion index	Number of Societal Risk Ranking Grid buckets	Bucket upper limits for Societal Risk Ranking Grid
1		

Display options		Risk contours	
Display the scenario's path to the root folder in risk grids	**Display the outcome type description in risk grids**	**Levels**	**Colours**
		/AvgeYear	
		1	-16776961

Contours

Risk contour grid (controls the size of the grid used for combinati
Maximum number of cells
500000

Effect level contours	FN		
Risk level to use for effects contours	Display criteria lines	Extrapolate criterion lines	Minimum risk cut-off level
/AvgeYear			/AvgeYear
	1 Yes	2 Maximum N	0,000000001

Charts

Criterion lines				
Name	**Start frequency**	**End frequency**	**Minimum number of fatalities**	**Maximum number of fatalities**
	/AvgeYear	/AvgeYear		
Orientatiewaarde	0,00001	0,0000001	10	100

	Notes
	Invisible
Number of criterion lines	Notes
1	

		Calculation scheme
Use	**Name**	**Calculation scheme**
Yes	RunRowSetDiagno	0 Default

Diag

Individual risk calculations		Soc
Risk array and contours	**Risk ranking points**	**FN Curve**
1 Run, no diagnostics	1 Run, no diagnostics	1 Run, no diagnostics

nostics

cietal risk calculations

Risk ranking results	Building categories results	Population diagnostics
1 Run, no diagnostics	1 Run, no diagnostics	1 No diagnostics

		Notes
Risk diagnostics		**Invisible**
Ignition diagnostics	**Event diagnostics**	**Notes**
1 No diagnostics	0 No diagnostics	

			Point probabilit	
Use	**Map Preferences**	**Name**	**Point ignition probability**	**Point in time period**
			fraction	s
Yes	GIS Preferences	Ignition Preferenc	1	10

ies	Area probabilities		
Point operating probability	**Area ignition probability**	**Area in time period**	**Area operating probability**
fraction	fraction	s	fraction
	0,9	10	

Initial values

Transportation probabilities		Electrical probabl	
Transportation ignition probability	**Transportation in time period**	**Electrical ignition probability**	**Electrical in time period**
fraction	s	fraction	s
0,2	10	0,1	10

ities	Line		Ar
Electrical operating probability	**Line basis**	**Per unit length**	**Area basis**
fraction		m	
	1 Per unit length	100	0 Total area

			Notes
ea	Transportation		Invisible
Per unit area	Traffic density	Average Speed	Notes
m2	/hr	m/s	
1			

			Initia
			I
Use	**Map Preferences**	**Name**	**Density**
			/m2
Yes	GIS Preferences	Population Prefere	0,01

ıl values	Notes
Data	Invisible
Category	Notes
Population categories\[None]	

Use	Map Preferences	Name
Yes	GIS Preferences	Insertion Preferen

Insertion preferences

Insertion preferences

Insert Equipment On GIS

0 No

Use	Map Preferences	Name
Yes	GIS Preferences	Contour Preferenc

Contour preferences

Contour preferences

Display Contours As Polygons

1 Yes

			Buried pipeline
Use	**Consequence preferences**	**Name**	**Crater model type**
Yes	Consequence pref	Dispersion preferences	

Discharge and dispersion

rupture modelling	User-defined di
Gas blanket modelling	**Concentrations of interest**
	ppm

ispersion scope
Distances of interest
m

Use	Consequence preferences	Name
Yes	Consequence pref	Overpressure Prefe

Overpressure preferences

Overpressure levels

Overpressure level

bar

erences

			Result types to calc	
Use	**Consequence preferences**	**Name**	**Calculate probit**	**Calculate dose**
Yes	Consequence pref	Radiation Preferences		

Radiation preferences

culate	levels (note only the first 3 levels are used in t		
Calculate lethality	Number of input radiation levels	Intensity levels	Probit levels
		kW/m2	

the SMEZ report and Effects ca

Dose levels	Lethality levels
	fraction

			Toxic co	
Use	**Consequence preferences**	**Name**	**Number of toxic levels**	**Probit levels**
Yes	Consequence pref	Toxic Preferences		

Toxic preferences

ontours		Indoor toxic effect modelling	
Dose levels [ppm^n.min]	**Lethality levels**	**Building exchange rate**	**Tail time**
	fraction	/hr	s