

Anlage 8 – Hydraulische Berechnungen des Kanalnetzes und des Regenrückhaltebeckens (RRB)

=====

E L E K T R O N I S C H E K A N A L N E T Z B E R E C H N U N G

M I T D E R

G A N G L I N I E N V O L U M E N M E T H O D E (G V M)

=====

VERSION 4.3.09

HydroCAD - GVM - KANOUT DORSCH INTERNATIONAL CONSULTANTS GMBH

DORSCH INTERNATIONAL CONSULTANTS GMBH

GESCHAEFTSBEREICH WASSER UND UMWELT

LANDSBERGER STR. 368

D-80687 M U E N C H E N

089 TEL 5797-0 FAX 5704867

ANZAHL DER KANAELE		28
ANZAHL DER REGENUEBERLAEUFE		0
ANZAHL DER RUECKHALTEBECKEN		1
ANZAHL DER PUMPEN		1
GESAMTLAENGE DER KANAELE	(KILOMETER)	1.2
FASSUNGSVERMOEGEN DER KANAELE	(KUBIKMETER)	22.4
FASSUNGSVERMOEGEN DER BAUWERKE	(KUBIKMETER)	386.0
FASSUNGSVERMOEGEN DER SCHAECHTE	(KUBIKMETER)	41.9
RAUHEIT (PRANDTL-COLEBROOK)	(MILLIMETER)	0.80
GESAMTE ENTWAESSERTE FLAECHE	(HEKTAR)	2.3
MITTLERER BEFESTIGUNGSGRAD		0.33
EINWOHNERZAHL		0
HAEUSLICHER SCHMUTZWASSERANFALL	(LITER/ (EINWOHNER*TAG))	0.0
HAEUSLICHER SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.0
BETRIEBL. SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE)	0.0
FREMDWASSERABFLUSS	(LITER/SEKUNDE)	0.2
GESAMTER TROCKENWETTERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.3

REGENKENNUNG	T_1a_D60
RECHENDAUER (MINUTEN)	120
ZEITSCHRITT (MINUTEN)	2
HAEUFIGKEIT (PRO JAHR)	1.00

100010	SCO 100010				SCU R01				ZUFL R01SE01				100020				ABFL R01											
R	Kreisprofil		0.15/0.15																									
	HSO	296.030	HSU	295.890	ED	0	QV	9	QTU	0	VNACHT	0.17	DHKO	0.85	DHKU	0.01	QUX	24	QV-QUX	-15								
	HGO	297.230	HGU	297.450	QH	0.00	VV	0.50	HTU	0.01	HNACHT	0.01	DHGO	-0.20	DHGU	-1.40	RG	T_1a_D60	QUX/QV	2.69								
	LE	51.08	JS	2.74	QG	0.00	AV	0.018	VTU	0.16	VNORM	0.15	HOX	1.00	HUX	0.16	OFK		DHS	0.14								
	AEZ	0.00	GAMMA	0.00	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.03	WSUX	296.05	VUX	1.34	DWSX	0.84								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_1a_D60		24		1.34		0		1.09		1.00		0.85		-0.20		0.25		0.16		0.01		-1.40				0.84	
100020	SCO 100020				SCU 100010				ZUFL				ABFL 100010															
R	Kreisprofil		0.15/0.15																									
	HSO	296.510	HSU	296.030	ED	0	QV	13	QTU	0	VNACHT	0.05	DHKO	0.59	DHKU	0.95	QUX	12	QV-QUX	1								
	HGO	297.910	HGU	297.230	QH	0.00	VV	0.75	HTU	0.01	HNACHT	0.01	DHGO	-0.66	DHGU	-0.10	RG	T_1a_D60	QUX/QV	0.87								
	LE	77.99	JS	6.16	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.14	HOX	0.74	HUX	1.10	OFK	Gewerbe	DHS	0.48								
	AEZ	0.22	GAMMA	0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.25	WSUX	297.13	VUX	0.66	DWSX	-0.36								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_1a_D60		12		0.66		16		0.74		0.74		0.59		-0.66		1.12		1.10		0.95		-0.10				-0.36	

100025	SCO 100025				SCU R02				ZUFL				ABFL R02													
R	Kreisprofil		0.15/0.15																							
HSO	295.350	HSU	294.760	ED	0	QV	21	QTU	0	VNACHT	0.01	DHKO	-0.15	DHKU	0.13	QUX	3	QV-QUX	18							
HGO	296.850	HGU	297.310	QH	0.00	VV	1.21	HTU	0.01	HNACHT	0.01	DHGO	-1.50	DHGU	-2.27	RG	T_1a_D60	QUX/QV	0.12							
LE	37.26	JS	15.84	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.19	HOX	0.00	HUX	0.28	OFK	Gewerbe	DHS	0.59							
AEZ	0.04	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	295.35	WSUX	295.04	VUX	0.15	DWSX	-0.28							
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
T_1a_D60		3		0.15		3		0.00		0.00		-0.15		-1.50		0.28		0.28		0.13		-2.27			-0.28	
100030	SCO 100030				SCU R03				ZUFL				ABFL R03													
R	Kreisprofil		0.15/0.15																							
HSO	295.451	HSU	293.500	ED	0	QV	28	QTU	0	VNACHT	0.02	DHKO	-0.15	DHKU	0.53	QUX	14	QV-QUX	14							
HGO	296.951	HGU	296.400	QH	0.00	VV	1.60	HTU	0.01	HNACHT	0.01	DHGO	-1.50	DHGU	-2.22	RG	T_1a_D60	QUX/QV	0.49							
LE	71.45	JS	27.31	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.25	HOX	0.00	HUX	0.68	OFK	Gewerbe	DHS	1.95							
AEZ	0.20	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	295.45	WSUX	294.18	VUX	0.79	DWSX	-0.68							
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
T_1a_D60		14		0.79		14		0.00		0.00		-0.15		-1.50		0.68		0.68		0.53		-2.22			-0.68	

100045	SCO 100045	SCU EB in GL 1	ZUFL	ABFL Zisterne 1
R	Kreisprofil	0.15/0.15		
HSO 296.115	HSU 296.000	ED 0 QV 11	QTU 0 VNACHT 0.03 DHKO 0.18 DHKU 0.29 QUX 3 QV-QUX 8	
HGO 297.215	HGU 297.110	QH 0.00 VV 0.65	HTU 0.00 HNACHT 0.00 DHGO -0.77 DHGU -0.67 RG T_1a_D60 QUX/QV 0.28	
LE 25.19	JS 4.57	QG 0.00 AV 0.018	VTU 0.03 VNORM 0.10 HOX 0.33 HUX 0.44 OFK Gewerbe DHS 0.11	
AEZ 0.07	GAMMA 0.33	QF 0.01 KB 0.00080	DQT 0.0 DRUECK 0.00 WSOX 296.45 WSUX 296.44 VUX 0.21 DWSX -0.11	
REGEN	QUX	VUX QREGX VSOX	EOX HOX DHKO DHGO	EUX HUX DHKU DHGU DWSX
T_1a_D60	3	0.21 5	0.33 0.33 0.18 -0.77	0.44 0.44 0.29 -0.67 -0.11
100050	SCO 100050	SCU 100055	ZUFL	ABFL 100055
R	Kreisprofil	0.15/0.15		
HSO 295.000	HSU 294.474	ED 0 QV 14	QTU 0 VNACHT 0.03 DHKO 0.91 DHKU 1.39 QUX 8 QV-QUX 6	
HGO 296.700	HGU 297.030	QH 0.00 VV 0.80	HTU 0.01 HNACHT 0.01 DHGO -0.64 DHGU -1.01 RG T_1a_D60 QUX/QV 0.59	
LE 75.91	JS 6.93	QG 0.00 AV 0.018	VTU 0.03 VNORM 0.15 HOX 1.06 HUX 1.54 OFK Gewerbe DHS 0.53	
AEZ 0.18	GAMMA 0.33	QF 0.02 KB 0.00080	DQT 0.0 DRUECK 0.01 WSOX 296.06 WSUX 296.02 VUX 0.48 DWSX -0.48	
REGEN	QUX	VUX QREGX VSOX	EOX HOX DHKO DHGO	EUX HUX DHKU DHGU DWSX
T_1a_D60	8	0.48 13	1.06 1.06 0.91 -0.64	1.55 1.54 1.39 -1.01 -0.48

100060	SCO 100060				SCU 100055				ZUFL				ABFL 100055																	
R	Kreisprofil				0.15/0.15																									
	HSO	295.000	HSU	294.474	ED	0	QV	18	QTU	0	VNACHT	0.02	DHKO	0.88	DHKU	1.39	QUX	5	QV-QUX	13										
	HGO	296.500	HGU	297.030	QH	0.00	VV	1.00	HTU	0.01	HNACHT	0.01	DHGO	-0.47	DHGU	-1.01	RG	T_1a_D60	QUX/QV	0.28										
	LE	48.72	JS	10.80	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.16	HOX	1.03	HUX	1.54	OFK	Gewerbe	DHS	0.53										
	AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.03	WSUX	296.02	VUX	0.28	DWSX	-0.51										
	REGEN				QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX	
	T_1a_D60				5		0.28		9		1.03		1.03		0.88		-0.47		1.55		1.54		1.39		-1.01		-0.51			

100065				SCU 100070				ZUFL Zu1 RRB				ABFL															
R	Kreisprofil			0.10/0.10			FREIER AUSFL																				
*	HSO	292.875	HSU	292.768	ED	0	QV	6	QTU	0	VNACHT	0.37	DHKO	-0.01	DHKU	-0.02	QUX	6	QV-QUX	0							
	HGO	296.790	HGU	296.790	QH	0.00	VV	0.73	HTU	0.01	HNACHT	0.01	DHGO	-3.82	DHGU	-3.94	RG	T_1a_D60	QUX/QV	1.04							
	LE	10.77	JS	10.00	QG	0.00	AV	0.008	VTU	0.36	VNORM	0.38	HOX	0.09	HUX	0.08	OFK		DHS	0.11							
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	292.97	WSUX	292.85	VUX	0.90	DWSX	0.01							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_1a_D60		6		0.90		0		0.13		0.09		-0.01		-3.82		0.12		0.08		-0.02		-3.94			0.01	
Auslauf				SCU Auslauf_RRB				ZUFL				ABFL															
R	Kreisprofil			0.10/0.10			FREIER AUSFL																				
*	HSO	290.250	HSU	290.000	ED	0	QV	9	QTU	0	VNACHT	0.19	DHKO	-0.10	DHKU	-0.10	QUX	0	QV-QUX	9							
	HGO	0.000	HGU	291.500	QH	0.00	VV	1.17	HTU	0.00	HNACHT	0.00	DHGO	0.00	DHGU	-1.50	RG	T_1a_D60	QUX/QV	0.00							
	LE	10.00	JS	25.00	QG	0.00	AV	0.008	VTU	0.19	VNORM	0.19	HOX	0.00	HUX	0.00	OFK		DHS	0.25							
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	290.25	WSUX	290.00	VUX	0.00	DWSX	0.00							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_1a_D60		0		0.00		0		0.00		0.00		-0.10		0.00		0.00		0.00		-0.10		-1.50			0.00	

EB in GL 2		SCO R06RR01				SCU EB in GL 2				ZUFL				ABFL R06RR01												
R	Kreisprofil	0.15/0.15																								
HSO	296.140	HSU	295.860	ED	0	QV	30	QTU	0	VNACHT	0.01	DHKO	0.13	DHKU	0.41	QUX	2	QV-QUX	28							
HGO	297.140	HGU	297.240	QH	0.00	VV	1.69	HTU	0.00	HNACHT	0.00	DHGO	-0.72	DHGU	-0.82	RG	T_1a_D60	QUX/QV	0.06							
LE	9.19	JS	30.48	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.10	HOX	0.28	HUX	0.56	OFK	Gewerbe	DHS	0.28							
AEZ	0.04	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.42	WSUX	296.42	VUX	0.15	DWSX	-0.28							
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
T_1a_D60		2		0.15		3		0.28		0.28		0.13		-0.72		0.56		0.56		0.41		-0.82				-0.28
KA01		SCO KA01				SCU R06				ZUFL				ABFL R06												
R	Kreisprofil	0.10/0.10																								
HSO	295.758	HSU	295.030	ED	0	QV	15	QTU	0	VNACHT	0.01	DHKO	0.28	DHKU	1.01	QUX	-2	QV-QUX	17							
HGO	297.258	HGU	297.000	QH	0.00	VV	1.91	HTU	0.01	HNACHT	0.01	DHGO	-1.12	DHGU	-0.86	RG	T_1a_D60	QUX/QV	-0.11							
LE	11.01	JS	66.14	QG	0.00	AV	0.008	VTU	0.01	VNORM	0.27	HOX	0.38	HUX	1.11	OFK	Gewerbe	DHS	0.73							
AEZ	0.01	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.14	WSUX	296.14	VUX	0.00	DWSX	-0.73							
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
T_1a_D60		-2		-0.21		1		0.38		0.38		0.28		-1.12		1.11		1.11		1.01		-0.86				-0.73

R01	SCO R01				SCU R02				ZUFL R01a				100010				ABFL R02			
R	Kreisprofil		0.20/0.20																	
	HSO 295.890	HSU 294.760	ED	0	QV	83	QTU	0	VNACHT	0.12	DHKO	-0.05	DHKU	0.08	QUX	31	QV-QUX	52		
	HGO 297.450	HGU 297.310	QH	0.00	VV	2.63	HTU	0.01	HNACHT	0.01	DHGO	-1.41	DHGU	-2.27	RG	T_1a_D60	QUX/QV	0.38		
	LE 22.32	JS 50.62	QG	0.00	AV	0.031	VTU	0.11	VNORM	0.45	HOX	0.15	HUX	0.28	OFK	Gewerbe	DHS	1.13		
	AEZ 0.03	GAMMA 0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.04	WSUX	295.04	VUX	0.99	DWSX	-0.13		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU						DWSX	
	T_1a_D60	31	0.99	2			0.22	0.15	-0.05	-1.41	0.33	0.28	0.08	-2.27					-0.13	
R01a	SCO 100000				SCU R01				ZUFL				ABFL R01							
R	Kreisprofil		0.15/0.15																	
	HSO 295.950	HSU 295.890	ED	0	QV	5	QTU	0	VNACHT	0.04	DHKO	0.02	DHKU	0.01	QUX	8	QV-QUX	-3		
	HGO 298.450	HGU 297.450	QH	0.00	VV	0.29	HTU	0.01	HNACHT	0.01	DHGO	-2.33	DHGU	-1.40	RG	T_1a_D60	QUX/QV	1.49		
	LE 64.60	JS 0.93	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.07	HOX	0.17	HUX	0.16	OFK	Gewerbe	DHS	0.06		
	AEZ 0.12	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.12	WSUX	296.05	VUX	0.43	DWSX	0.00		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU						DWSX	
	T_1a_D60	8	0.43	9			0.17	0.17	0.02	-2.33	0.17	0.16	0.01	-1.40					0.00	

R01NN01a		SCO 100005				SCU R01SE01				ZUFL				ABFL R01SE01					
R	Kreisprofil	0.15/0.15																	
	HSO 296.950	HSU 296.640	ED	0	QV	14	QTU	0	VNACHT	0.13	DHKO	0.36	DHKU	0.65	QUX	5	QV-QUX	9	
	HGO 297.900	HGU 297.860	QH	0.00	VV	0.77	HTU	0.00	HNACHT	0.00	DHGO	-0.44	DHGU	-0.42	RG	T_1a_D60	QUX/QV	0.35	
	LE 48.74	JS 6.36	QG	0.00	AV	0.018	VTU	0.13	VNORM	0.12	HOX	0.51	HUX	0.80	OFK	Gewerbe	DHS	0.31	
	AEZ 0.10	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.46	WSUX	297.44	VUX	0.65	DWSX	-0.30	
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX	
	T_1a_D60	5	0.65	7			0.51	0.51	0.36	-0.44	0.80	0.80	0.65	-0.42				-0.30	
R01SE01		SCO R01SE01				SCU 100010				ZUFL R01NN01a				ABFL 100010					
R	Kreisprofil	0.15/0.15																	
	HSO 296.640	HSU 296.030	ED	0	QV	14	QTU	0	VNACHT	0.08	DHKO	0.65	DHKU	0.95	QUX	13	QV-QUX	1	
	HGO 297.860	HGU 297.230	QH	0.00	VV	0.77	HTU	0.01	HNACHT	0.01	DHGO	-0.42	DHGU	-0.10	RG	T_1a_D60	QUX/QV	0.98	
	LE 95.87	JS 6.36	QG	0.00	AV	0.018	VTU	0.09	VNORM	0.17	HOX	0.80	HUX	1.10	OFK	Gewerbe	DHS	0.61	
	AEZ 0.22	GAMMA 0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.44	WSUX	297.13	VUX	0.75	DWSX	-0.30	
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX	
	T_1a_D60	13	0.75	16			0.80	0.80	0.65	-0.42	1.13	1.10	0.95	-0.10				-0.30	

R02	SCO R02				SCU R03				ZUFL 100025			R01		R02SE01		ABFL R03				
R	Kreisprofil			0.20/0.20																
	HSO	294.760	HSU	293.500	ED	0	QV	55	QTU	0	VNACHT	0.14	DHKO	-0.02	DHKU	0.48	QUX	54	QV-QUX	1
	HGO	297.310	HGU	296.400	QH	0.00	VV	1.76	HTU	0.01	HNACHT	0.01	DHGO	-2.37	DHGU	-2.22	RG	T_1a_D60	QUX/QV	0.97
	LE	55.10	JS	22.87	QG	0.00	AV	0.031	VTU	0.12	VNORM	0.40	HOX	0.18	HUX	0.68	OFK	Gewerbe	DHS	1.26
	AEZ	0.06	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	294.94	WSUX	294.18	VUX	1.71	DWSX	-0.49
	REGEN		QUX	VUX	QREGX		VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX				
	T_1a_D60		54	1.71	4		0.32		0.18	-0.02	-2.37	0.68	0.68	0.48	-2.22	-0.49				

R02SE01		SCO R02SE01			SCU R02			ZUFL			ABFL R02									
R	Kreisprofil	0.15/0.15																		
	HSO 296.000	HSU 294.760	ED	0	QV	16	QTU	0	VNACHT	0.05	DHKO	-0.15	DHKU	0.13	QUX	16	QV-QUX	0		
	HGO 297.110	HGU 297.310	QH	0.00	VV	0.89	HTU	0.01	HNACHT	0.01	DHGO	-1.11	DHGU	-2.27	RG	T_1a_D60	QUX/QV	1.04		
	LE 143.94	JS 8.61	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.19	HOX	0.00	HUX	0.28	OFK	Gewerbe	DHS	1.24		
	AEZ 0.26	GAMMA 0.33	QF	0.03	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.00	WSUX	295.04	VUX	0.93	DWSX	-0.28		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX		
	T_1a_D60	16	0.93	18		0.00	0.00	-0.15	-1.11	0.33	0.28	0.13	-2.27					-0.28		

R03	SCO R03								ZUFL 100055				100030		R02		ABFL Zul RRB															
R	Kreisprofil		0.30/0.30																													
	HSO	293.500	HSU	292.930	ED	0	QV	157	QTU	0	VNACHT	0.45	DHKO	0.38	DHKU	0.95	QUX	102	QV-QUX	55												
	HGO	296.400	HGU	296.790	QH	0.00	VV	2.23	HTU	0.01	HNACHT	0.01	DHGO	-2.22	DHGU	-2.61	RG	T_1a_D60	QUX/QV	0.65												
	LE	26.42	JS	21.57	QG	0.00	AV	0.071	VTU	0.44	VNORM	0.46	HOX	0.68	HUX	1.25	OFK	Gewerbe	DHS	0.57												
	AEZ	0.09	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	294.18	WSUX	294.18	VUX	2.36	DWSX	-0.57												
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX					
	T_1a_D60		102		2.36		6		0.68		0.68		0.38		-2.22		1.25		1.25		0.95		-2.61		-0.57							
R04	SCO R04								SCU R05								ZUFL								ABFL R05							
R	Kreisprofil		0.15/0.15																													
	HSO	296.250	HSU	296.160	ED	0	QV	15	QTU	0	VNACHT	0.04	DHKO	0.05	DHKU	0.14	QUX	1	QV-QUX	14												
	HGO	297.150	HGU	297.090	QH	0.00	VV	0.87	HTU	0.00	HNACHT	0.00	DHGO	-0.70	DHGU	-0.64	RG	T_1a_D60	QUX/QV	0.07												
	LE	10.93	JS	8.23	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.12	HOX	0.20	HUX	0.29	OFK	Gewerbe	DHS	0.09												
	AEZ	0.02	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.45	WSUX	296.45	VUX	0.19	DWSX	-0.09												
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX					
	T_1a_D60		1		0.19		1		0.20		0.20		0.05		-0.70		0.29		0.29		0.14		-0.64		-0.09							

R05	SCO R05				SCU EB in GL 1				ZUFL R04				R05NN01				ABFL Zisterne 1			
R	Kreisprofil		0.15/0.15																	
	HSO 296.160	HSU 296.000	ED	0	QV	13	QTU	0	VNACHT	0.06	DHKO	0.14	DHKU	0.29	QUX	6	QV-QUX	7		
	HGO 297.090	HGU 297.110	QH	0.00	VV	0.72	HTU	0.00	HNACHT	0.00	DHGO	-0.64	DHGU	-0.67	RG	T_1a_D60	QUX/QV	0.43		
	LE 28.24	JS 5.67	QG	0.00	AV	0.018	VTU	0.07	VNORM	0.12	HOX	0.29	HUX	0.44	OFK	Gewerbe	DHS	0.16		
	AEZ 0.09	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 296.45	WSUX 296.44	VUX	0.37	DWSX	-0.15				
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX			
	T_1a_D60	6	0.37	6		0.29	0.29	0.14	-0.64	0.45	0.44	0.29	-0.67				-0.15			
R05NN01	SCO R05NN01				SCU R05				ZUFL				ABFL R05							
R	Kreisprofil		0.15/0.15																	
	HSO 296.260	HSU 296.160	ED	0	QV	21	QTU	0	VNACHT	0.03	DHKO	0.04	DHKU	0.14	QUX	1	QV-QUX	20		
	HGO 297.160	HGU 297.090	QH	0.00	VV	1.16	HTU	0.00	HNACHT	0.00	DHGO	-0.71	DHGU	-0.64	RG	T_1a_D60	QUX/QV	0.03		
	LE 6.90	JS 14.49	QG	0.00	AV	0.018	VTU	0.03	VNORM	0.08	HOX	0.19	HUX	0.29	OFK	Gewerbe	DHS	0.10		
	AEZ 0.01	GAMMA 0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 296.45	WSUX 296.45	VUX	0.11	DWSX	-0.10				
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX			
	T_1a_D60	1	0.11	1		0.19	0.19	0.04	-0.71	0.29	0.29	0.14	-0.64				-0.10			

R06	SCO R06				SCU 100055				ZUFL R07				KA01		R06RR01		ABFL 100055											
R	Kreisprofil		0.15/0.15																									
	HSO	295.030	HSU	294.474	ED	0	QV	39	QTU	0	VNACHT	0.10	DHKO	0.93	DHKU	1.39	QUX	18	QV-QUX	21								
	HGO	297.000	HGU	297.030	QH	0.00	VV	2.21	HTU	0.01	HNACHT	0.01	DHGO	-0.89	DHGU	-1.01	RG	T_1a_D60	QUX/QV	0.47								
	LE	10.75	JS	51.75	QG	0.00	AV	0.018	VTU	0.10	VNORM	0.44	HOX	1.08	HUX	1.54	OFK		DHS	0.56								
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.11	WSUX	296.02	VUX	1.03	DWSX	-0.47								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_1a_D60		18		1.03		0				1.12		1.08		0.93		-0.89		1.58		1.54		1.39		-1.01			-0.47
R06RR01	SCO EB in GL 2				SCU R06				ZUFL EB in GL 2				Zisterne 1		ABFL R06													
R	Kreisprofil		0.15/0.15																									
	HSO	295.860	HSU	295.030	ED	0	QV	19	QTU	0	VNACHT	0.10	DHKO	0.40	DHKU	0.96	QUX	16	QV-QUX	3								
	HGO	297.240	HGU	297.000	QH	0.00	VV	1.06	HTU	0.01	HNACHT	0.01	DHGO	-0.83	DHGU	-0.86	RG	T_1a_D60	QUX/QV	0.87								
	LE	67.96	JS	12.21	QG	0.00	AV	0.018	VTU	0.09	VNORM	0.23	HOX	0.55	HUX	1.11	OFK	Gewerbe	DHS	0.83								
	AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.41	WSUX	296.14	VUX	0.93	DWSX	-0.56								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_1a_D60		16		0.93		9				0.56		0.55		0.40		-0.83		1.13		1.11		0.96		-0.86			-0.56

R07	SCO R07				SCU R06				ZUFL R07RR01						ABFL R06					
R	Kreisprofil		0.12/0.12																	
	HSO 295.290	HSU 295.030	ED	0	QV	9	QTU	0	VNACHT 0.05	DHKO	0.76	DHKU	0.99	QUX	5	QV-QUX	4			
	HGO 297.090	HGU 297.000	QH	0.00	VV	0.76	HTU	0.01	HNACHT 0.01	DHGO	-0.91	DHGU	-0.86	RG	T_1a_D60	QUX/QV	0.57			
	LE 32.72	JS 7.95	QG	0.00	AV	0.012	VTU	0.04	VNORM 0.16	HOX	0.89	HUX	1.11	OFK	Gewerbe	DHS	0.26			
	AEZ 0.04	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK 0.00	WSOX 296.18	WSUX 296.14	VUX	0.43	DWSX	-0.22					
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX						
	T_1a_D60	5	0.43	3		0.89	0.89	0.76	-0.91	1.11	1.11	0.99	-0.86	-0.22						
R07RR01	SCO R07RR01				SCU R07				ZUFL						ABFL R07					
R	Kreisprofil		0.12/0.12																	
	HSO 295.710	HSU 295.290	ED	0	QV	11	QTU	0	VNACHT 0.12	DHKO	0.35	DHKU	0.76	QUX	3	QV-QUX	8			
	HGO 297.210	HGU 297.090	QH	0.00	VV	0.91	HTU	0.00	HNACHT 0.00	DHGO	-1.02	DHGU	-0.91	RG	T_1a_D60	QUX/QV	0.27			
	LE 36.94	JS 11.37	QG	0.00	AV	0.012	VTU	0.13	VNORM 0.14	HOX	0.48	HUX	0.89	OFK	Gewerbe	DHS	0.42			
	AEZ 0.08	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK 0.00	WSOX 296.19	WSUX 296.18	VUX	0.78	DWSX	-0.41					
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX						
	T_1a_D60	3	0.78	6		0.48	0.48	0.35	-1.02	0.89	0.89	0.76	-0.91	-0.41						

Zisterne 1	SCO EB in GL 1	SCU EB in GL 2	ZUFL R05	100045	ABFL R06RR01
R Kreisprofil	0.15/0.15				
HSO 296.000	HSU 295.860	ED 0 QV 19	QTU 0 VNACHT 0.12	DHKO 0.29	DHKU 0.41 QUX 10 QV-QUX 9
HGO 297.110	HGU 297.240	QH 0.00 VV 1.06	HTU 0.00 HNACHT 0.00	DHGO -0.67	DHGU -0.82 RG T_1a_D60 QUX/QV 0.55
LE 11.47	JS 12.21	QG 0.00 AV 0.018	VTU 0.11 VNORM 0.19	HOX 0.44	HUX 0.56 OFK Gewerbe DHS 0.14
AEZ 0.04	GAMMA 0.33	QF 0.00 KB 0.00080	DQT 0.0 DRUECK 0.00	WSOX 296.44	WSUX 296.42 VUX 0.88 DWSX -0.12
REGEN	QUX	VUX	QREGX	VSOX	EOX HOX DHKO DHGO EUX HUX DHKU DHGU DWSX
T_1a_D60	10	0.88	3	0.44	0.44 0.29 -0.67 0.57 0.56 0.41 -0.82 -0.12
Zul RRB			ZUFL 100065		ABFL 100065
R Kreisprofil	0.10/0.10				
HSO 292.930	HSU 292.875	ED 0 QV 4	QTU 0 VNACHT 0.32	DHKO 0.08	DHKU -0.01 QUX 6 QV-QUX -2
HGO 296.790	HGU 296.790	QH 0.00 VV 0.48	HTU 0.02 HNACHT 0.01	DHGO -3.68	DHGU -3.82 RG T_1a_D60 QUX/QV 1.59
LE 12.49	JS 4.36	QG 0.00 AV 0.008	VTU 0.31 VNORM 0.28	HOX 0.18	HUX 0.09 OFK DHS 0.05
AEZ 0.00	GAMMA 0.00	QF 0.00 KB 0.00080	DQT 0.0 DRUECK 0.00	WSOX 293.11	WSUX 292.97 VUX 0.87 DWSX 0.08
REGEN	QUX	VUX	QREGX	VSOX	EOX HOX DHKO DHGO EUX HUX DHKU DHGU DWSX
T_1a_D60	6	0.87	0	0.21	0.18 0.08 -3.68 0.13 0.09 -0.01 -3.82 0.08

100065

SCU 100070

ZUFL Zul RRB

ABFL

R REGEN T_1a_D60

FREIER AUSFL

T	QO	HU
0	0	0.01
2	0	0.01
4	0	0.01
6	0	0.02
8	1	0.03
10	3	0.05
12	5	0.07
14	6	0.08
16	6	0.08
18	6	0.08
20	6	0.08
22	6	0.08
24	6	0.08
26	6	0.08
28	6	0.08
30	6	0.08

32	6	0.08
34	6	0.08
36	6	0.08
38	6	0.08
40	6	0.08
42	6	0.08
44	6	0.08
46	6	0.08
48	6	0.08
50	6	0.08
52	6	0.08
54	6	0.08
56	6	0.08
58	6	0.08
60	6	0.08
62	6	0.08
64	6	0.08
66	6	0.08
68	6	0.08
70	6	0.08
72	6	0.08
74	6	0.08
76	6	0.08
78	6	0.08

80	6	0.08
82	6	0.08
84	6	0.08
86	6	0.08
88	6	0.08
90	6	0.08
92	6	0.08
94	6	0.08
96	6	0.08
98	6	0.08
100	6	0.08
102	6	0.08
104	6	0.08
106	6	0.08
108	6	0.08
110	6	0.08
112	6	0.08
114	6	0.08
116	6	0.08
118	6	0.08
120	6	0.08

Auslauf

SCU Auslauf_RRB

ZUFL

ABFL

R REGEN T_1a_D60

FREIER AUSFL

T QO HU

0 0 0.00

2 0 0.00

4 0 0.00

6 0 0.00

8 0 0.00

10 0 0.00

12 0 0.00

14 0 0.00

16 0 0.00

18 0 0.00

20 0 0.00

22 0 0.00

24 0 0.00

26 0 0.00

28 0 0.00

30 0 0.00

32	0	0.00
34	0	0.00
36	0	0.00
38	0	0.00
40	0	0.00
42	0	0.00
44	0	0.00
46	0	0.00
48	0	0.00
50	0	0.00
52	0	0.00
54	0	0.00
56	0	0.00
58	0	0.00
60	0	0.00
62	0	0.00
64	0	0.00
66	0	0.00
68	0	0.00
70	0	0.00
72	0	0.00
74	0	0.00
76	0	0.00
78	0	0.00

80	0	0.00
82	0	0.00
84	0	0.00
86	0	0.00
88	0	0.00
90	0	0.00
92	0	0.00
94	0	0.00
96	0	0.00
98	0	0.00
100	0	0.00
102	0	0.00
104	0	0.00
106	0	0.00
108	0	0.00
110	0	0.00
112	0	0.00
114	0	0.00
116	0	0.00
118	0	0.00
120	0	0.00

Zul RRB

ZUFL R03

ABFL 100065

ARHB 100.0 SRHB 292.930

HGO 296.790

BECKEN

REGEN T_1a_D60

T	H	VOL	QZU	QAB
0	0.00	0.0	0	0
2	0.00	0.0	0	0
4	0.00	0.0	0	0
6	0.00	0.0	0	0
8	0.00	0.0	1	1
10	0.00	0.0	3	3
12	0.01	0.6	10	6
14	0.03	2.7	24	6
16	0.08	7.7	48	6
18	0.16	16.0	75	6
20	0.28	27.6	102	6
22	0.38	37.7	91	6
24	0.47	47.1	85	6
26	0.56	55.7	78	6

28	0.64	63.6	72	6
30	0.71	70.8	67	6
32	0.77	77.4	61	6
34	0.83	83.5	58	6
36	0.89	89.2	54	6
38	0.94	94.3	50	6
40	0.99	99.1	46	6
42	1.03	103.3	42	6
44	1.07	107.2	39	6
46	1.11	110.7	35	6
48	1.14	113.6	31	6
50	1.16	116.0	27	6
52	1.18	117.9	23	6
54	1.20	119.5	21	6
56	1.21	121.0	19	6
58	1.22	122.2	17	6
60	1.23	123.3	16	6
62	1.24	124.1	13	6
64	1.25	124.5	11	6
66	1.25	124.7	9	6
68	1.25	124.8	8	6
70	1.25	124.7	6	6
72	1.24	124.5	5	6
74	1.24	124.2	4	6

76	1.24	123.8	3	6
78	1.23	123.4	2	6
80	1.23	123.0	2	6
82	1.22	122.5	2	6
84	1.22	122.0	1	6
86	1.21	121.4	1	6
88	1.21	120.9	1	6
90	1.20	120.3	1	6
92	1.20	119.8	1	6
94	1.19	119.2	1	6
96	1.19	118.6	1	6
98	1.18	118.0	0	6
100	1.17	117.4	0	6
102	1.17	116.9	0	6
104	1.16	116.3	0	6
106	1.16	115.7	0	6
108	1.15	115.1	0	6
110	1.15	114.5	0	6
112	1.14	113.9	0	6
114	1.13	113.3	0	6
116	1.13	112.7	0	6
118	1.12	112.1	0	6
120	1.12	111.5	0	6

100065

ZUFL Zul RRB

ABFL Zul RRB

HAUS 0.000 HEIN 0.000 Q0 6 H0 5.00 MUE 0.75

PUMPE

REGEN T_1a_D60

T	Q	HMAN	P	H
0	0	0.02	0.00	0.00
2	0	0.02	0.00	0.00
4	0	0.02	0.00	0.00
6	0	0.02	0.00	0.00
8	1	0.03	0.00	0.00
10	3	0.07	0.00	0.00
12	6	0.16	0.01	0.01
14	6	0.16	0.01	0.03
16	6	0.11	0.01	0.08
18	6	0.04	0.00	0.16
20	6	0.00	0.00	0.28
22	6	0.00	0.00	0.38
24	6	0.00	0.00	0.47
26	6	0.00	0.00	0.56

28	6	0.00	0.00	0.64
30	6	0.00	0.00	0.71
32	6	0.00	0.00	0.77
34	6	0.00	0.00	0.83
36	6	0.00	0.00	0.89
38	6	0.00	0.00	0.94
40	6	0.00	0.00	0.99
42	6	0.00	0.00	1.03
44	6	0.00	0.00	1.07
46	6	0.00	0.00	1.11
48	6	0.00	0.00	1.14
50	6	0.00	0.00	1.16
52	6	0.00	0.00	1.18
54	6	0.00	0.00	1.20
56	6	0.00	0.00	1.21
58	6	0.00	0.00	1.22
60	6	0.00	0.00	1.23
62	6	0.00	0.00	1.24
64	6	0.00	0.00	1.25
66	6	0.00	0.00	1.25
68	6	0.00	0.00	1.25
70	6	0.00	0.00	1.25
72	6	0.00	0.00	1.24
74	6	0.00	0.00	1.24

76	6	0.00	0.00	1.24
78	6	0.00	0.00	1.23
80	6	0.00	0.00	1.23
82	6	0.00	0.00	1.22
84	6	0.00	0.00	1.22
86	6	0.00	0.00	1.21
88	6	0.00	0.00	1.21
90	6	0.00	0.00	1.20
92	6	0.00	0.00	1.20
94	6	0.00	0.00	1.19
96	6	0.00	0.00	1.19
98	6	0.00	0.00	1.18
100	6	0.00	0.00	1.17
102	6	0.00	0.00	1.17
104	6	0.00	0.00	1.16
106	6	0.00	0.00	1.16
108	6	0.00	0.00	1.15
110	6	0.00	0.00	1.15
112	6	0.00	0.00	1.14
114	6	0.00	0.00	1.13
116	6	0.00	0.00	1.13
118	6	0.00	0.00	1.12
120	6	0.00	0.00	1.12

V O L U M E N N A C H W E I S

REGEN	ZEIT	UEBERNOMMEN	EINZUGSGEBIET	UEBERGEBEN	IM NETZ	OBERFLAECHE	ABWEICHUNG
	T (MIN)	QUE*DT (M3)	QEI*DT (M3)	QAB*DT (M3)	VOL (M3)	VSO (M3)	DVOL (%)
T_1a_D60	0	0.0	0.0	0.0	0.3	0.0	0.5
	2	0.0	0.0	0.0	0.3	0.0	0.0
	4	0.0	0.0	0.0	0.3	0.0	0.0
	6	0.0	0.2	0.0	0.5	0.0	0.0
	8	0.0	1.0	0.1	1.4	0.0	0.0
	10	0.0	2.2	0.3	3.2	0.0	0.1
	12	0.0	4.6	0.6	7.2	0.0	0.2
	14	0.0	6.7	0.7	13.3	0.0	0.4
	16	0.0	10.3	0.7	22.8	0.0	0.1
	18	0.0	15.4	0.7	37.5	0.0	0.1
	20	0.0	19.6	0.7	56.4	0.0	0.0
	22	0.0	13.1	0.7	68.7	0.0	0.0
	24	0.0	10.2	0.7	78.1	0.0	0.1
	26	0.0	8.5	0.7	85.8	0.0	0.1
	28	0.0	7.2	0.7	92.2	0.0	0.1
	30	0.0	6.5	0.7	97.9	0.0	0.1

32	0.0	5.7	0.7	102.8	0.0	0.1
34	0.0	5.1	0.7	107.1	0.0	0.1
36	0.0	4.7	0.7	111.0	0.0	0.1
38	0.0	4.2	0.7	114.4	0.0	0.1
40	0.0	3.9	0.7	117.6	0.0	0.0
42	0.0	3.5	0.7	120.3	0.0	0.1
44	0.0	3.3	0.7	122.8	0.0	0.1
46	0.0	3.0	0.7	125.0	0.0	0.0
48	0.0	2.7	0.7	126.9	0.0	0.1
50	0.0	2.5	0.7	128.7	0.0	0.1
52	0.0	2.3	0.7	130.1	0.0	0.1
54	0.0	2.1	0.7	131.4	0.0	0.1
56	0.0	2.0	0.7	132.5	0.0	0.1
58	0.0	1.8	0.7	133.4	0.0	0.1
60	0.0	1.7	0.7	134.2	0.0	0.1
62	0.0	1.1	0.7	134.6	0.0	0.1
64	0.0	0.8	0.7	134.5	0.0	0.1
66	0.0	0.5	0.7	134.1	0.0	0.2
68	0.0	0.4	0.7	133.5	0.0	0.2
70	0.0	0.2	0.7	132.9	0.0	0.1
72	0.0	0.2	0.7	132.3	0.0	0.0
74	0.0	0.1	0.7	131.7	0.0	0.0
76	0.0	0.1	0.7	131.2	0.0	0.0
78	0.0	0.1	0.7	130.6	0.0	0.0

80	0.0	0.1	0.7	130.0	0.0	0.0
82	0.0	0.1	0.7	129.4	0.0	0.0
84	0.0	0.1	0.7	128.8	0.0	0.0
86	0.0	0.1	0.7	128.2	0.0	-0.1
88	0.0	0.0	0.7	127.6	0.0	-0.1
90	0.0	0.0	0.7	127.0	0.0	-0.1
92	0.0	0.0	0.7	126.4	0.0	-0.1
94	0.0	0.0	0.7	125.8	0.0	-0.1
96	0.0	0.0	0.7	125.2	0.0	-0.1
98	0.0	0.0	0.7	124.6	0.0	-0.1
100	0.0	0.0	0.7	124.0	0.0	-0.1
102	0.0	0.0	0.7	123.4	0.0	-0.1
104	0.0	0.0	0.7	122.8	0.0	-0.1
106	0.0	0.0	0.7	122.1	0.0	-0.1
108	0.0	0.0	0.7	121.5	0.0	-0.1
110	0.0	0.0	0.7	120.9	0.0	-0.1
112	0.0	0.0	0.7	120.3	0.0	-0.1
114	0.0	0.0	0.7	119.7	0.0	-0.1
116	0.0	0.0	0.7	119.1	0.0	-0.1
118	0.0	0.0	0.7	118.5	0.0	-0.1
120	0.0	0.0	0.7	117.9	0.0	-0.1

I T E R A T I O N S - U E B E R S I C H T

VORGEGEBENE MAXIMALE NETZITERATIONSZAHL	ITERN =	500
VORGEGEBENE MAXIMALE KNOTENITERATIONSZAHL	ITERK =	20
ABBRUCHSCHRANKE FUER HOEHENGENAUEIGKEIT	DHZUL =	0.0040 M
ABBRUCHSCHRANKE FUER DURCHFLUSSGENAUIGKEIT	DQZUL =	0.005
ABBRUCHSCHRANKE FUER KNOTENITERATION	FNORM =	10E-3
RELAXATIONSPARAMETER RUECKRECHNUNG	RELB =	0.25
RELAXATIONSPARAMETER VORRECHNUNG	RELF =	0.20

REGEN	T	ITA	ITI	ELEMENT	DQX	HALTUNG	DHX	ELEMENT
T_1a_D60								
	0	1	1	R01NN01a	0.000	100065	0.001	100055
	2	1	1	R01NN01a	0.000	100065	0.000	R03
	4	1	1	R01NN01a	0.000	100065	0.000	R05
	6	1	1	R01NN01a	0.000	R03	0.004	100055
	8	8	1	R01NN01a	0.000	100055	0.004	R06RR01
	10	10	1	R01NN01a	0.000	R03	0.004	Zu1 RRB
	12	11	1	R01NN01a	0.001	R03	0.004	R06RR01
	14	12	1	R01NN01a	0.000	R01	0.004	R02
	16	20	1	R01NN01a	0.000	R03	0.003	R06
	18	23	1	R01NN01a	0.000	R03	0.004	100020
	20	30	1	R01NN01a	0.000	R06	0.003	R07RR01
	22	26	1	R01NN01a	0.000	R03	0.004	R03
	24	21	1	R01NN01a	0.000	R03	0.003	R01NN01a

26	20	1	R01NN01a	0.000	R03	0.003	R01NN01a
28	20	1	R01NN01a	0.000	R03	0.002	R03
30	19	1	R01NN01a	0.000	R03	0.004	R03
32	19	1	R01NN01a	0.000	R03	0.004	R03
34	20	1	R01NN01a	0.000	R03	0.004	100055
36	19	1	R01NN01a	0.000	R03	0.004	100055
38	19	1	R01NN01a	0.000	R03	0.004	100055
40	20	1	R01NN01a	0.000	R03	0.004	R07RR01
42	17	1	R01NN01a	0.000	R03	0.004	100055
44	17	1	R01NN01a	0.000	R03	0.004	100055
46	22	1	R01NN01a	0.000	R06	0.004	100060
48	15	1	R01NN01a	0.000	R03	0.004	100055
50	14	1	R01NN01a	0.000	R03	0.003	R06
52	11	1	R01NN01a	0.001	R03	0.004	R03
54	11	1	R01NN01a	0.000	R03	0.004	R03
56	11	1	R01NN01a	0.000	R03	0.003	R03
58	10	1	R01NN01a	0.000	R03	0.003	R03
60	10	1	R01NN01a	0.000	R03	0.003	R03
62	9	1	R01NN01a	0.000	R03	0.003	R03
64	7	1	R01NN01a	0.000	R03	0.002	R03
66	3	1	R01NN01a	0.001	R03	0.002	R03
68	1	1	R01NN01a	0.003	R03	0.002	Zisterne 1
70	3	1	R01NN01a	0.002	R03	0.002	Zisterne 1
72	3	1	R01NN01a	0.001	R03	0.001	R03

74	3	1	R01NN01a	0.001	R03	0.002	R03
76	3	1	R01NN01a	0.001	R03	0.002	R07
78	2	1	R01NN01a	0.001	R03	0.002	R06RR01
80	3	1	R01NN01a	0.000	R03	0.001	R03
82	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
84	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
86	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
88	2	1	R01NN01a	0.000	R03	0.001	R03
90	2	1	R01NN01a	0.000	R03	0.001	R03
92	2	1	R01NN01a	0.000	R03	0.001	R03
94	2	1	R01NN01a	0.000	R03	0.001	R03
96	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
98	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
100	2	1	R01NN01a	0.000	R03	0.001	Zul RRB
102	2	1	R01NN01a	0.000	R03	0.001	R03
104	2	1	R01NN01a	0.000	R03	0.001	R03
106	2	1	R01NN01a	0.000	R02	0.001	R03
108	2	1	R01NN01a	0.000	R02	0.001	R03
110	2	1	R01NN01a	0.000	R02	0.001	R03
112	2	1	R01NN01a	0.000	R02	0.001	R03
114	2	1	R01NN01a	0.000	R02	0.001	R03
116	2	1	R01NN01a	0.000	R02	0.001	R03
118	2	1	R01NN01a	0.000	R02	0.001	R03
120	2	1	R01NN01a	0.000	R02	0.001	R03

BELASTUNGSPLAN

BELASTUNG			FARBE
0.00	BIS	1.00	GRUEN
1.01	BIS	1.50	GELB
1.51	BIS	2.50	ORANGE
2.51	BIS	4.00	ROT
UEBER			4.00
			BLAU

DIE FARBEN WURDEN AUF GRUND DER UNGUENSTIGSTEN WERTE

QUX/QV

DES ERSTEN UND JEDEN WEITEREN REGENS MIT DER GLEICHEN HAEUFIGKEIT ERMITTELT.

TEILFUELLUNG IST DURCH EIN STERNCHEN VOR DER FARBANGABE GEKENNZEICHNET.

HALTUNG			FARBE		I	HALTUNG			FARBE		I	HALTUNG			FARBE	
-----I-----I-----I-----																
100010	R	ROT	I	100060	R	GRUEN	I	R01NN01a	R	GRUEN	I	R05NN01	R	GRUEN		
100020	R	GRUEN	I	100065	R	* GELB	I	R01SE01	R	GRUEN	I	R06	R	GRUEN		
100025	R	GRUEN	I	Auslauf	R	* GRUEN	I	R02	R	GRUEN	I	R06RR01	R	GRUEN		
100030	R	GRUEN	I	EB in GL 2	R	GRUEN	I	R02SE01	R	GELB	I	R07	R	GRUEN		
100045	R	GRUEN	I	KA01	R	GRUEN	I	R03	R	GRUEN	I	R07RR01	R	GRUEN		
100050	R	GRUEN	I	R01	R	GRUEN	I	R04	R	GRUEN	I	Zisterne 1	R	GRUEN		
100055	R	ORANGE	I	R01a	R	GELB	I	R05	R	GRUEN	I	Zul RRB	R	ORANGE		

=====

E L E K T R O N I S C H E K A N A L N E T Z B E R E C H N U N G

M I T D E R

G A N G L I N I E N V O L U M E N M E T H O D E (G V M)

=====

VERSION 4.3.09

HydroCAD - GVM - KANOUT DORSCH INTERNATIONAL CONSULTANTS GMBH

DORSCH INTERNATIONAL CONSULTANTS GMBH

GESCHAEFTSBEREICH WASSER UND UMWELT

LANDSBERGER STR. 368

D-80687 M U E N C H E N

089 TEL 5797-0 FAX 5704867

ANZAHL DER KANAELE		28
ANZAHL DER REGENUEBERLAEUFE		0
ANZAHL DER RUECKHALTEBECKEN		1
ANZAHL DER PUMPEN		1
GESAMTLAENGE DER KANAELE	(KILOMETER)	1.2
FASSUNGSVERMOEGEN DER KANAELE	(KUBIKMETER)	22.4
FASSUNGSVERMOEGEN DER BAUWERKE	(KUBIKMETER)	386.0
FASSUNGSVERMOEGEN DER SCHAECHTE	(KUBIKMETER)	41.9
RAUHEIT (PRANDTL-COLEBROOK)	(MILLIMETER)	0.80
GESAMTE ENTWAESSERTE FLAECHE	(HEKTAR)	2.3
MITTLERER BEFESTIGUNGSGRAD		0.33
EINWOHNERZAHL		0
HAEUSLICHER SCHMUTZWASSERANFALL	(LITER/ (EINWOHNER*TAG))	0.0
HAEUSLICHER SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.0
BETRIEBL. SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE)	0.0
FREMDWASSERABFLUSS	(LITER/SEKUNDE)	0.2
GESAMTER TROCKENWETTERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.3

REGENKENNUNG	T_2a_D60
RECHENDAUER (MINUTEN)	120
ZEITSCHRITT (MINUTEN)	5
HAEUFIGKEIT (PRO JAHR)	0.50

100010	SCO 100010				SCU R01				ZUFL R01SE01				100020				ABFL R01										
R	Kreisprofil		0.15/0.15																								
HSO	296.030	HSU	295.890	ED	0	QV	9	QTU	0	VNACHT	0.17	DHKO	1.00	DHKU	0.03	QUX	25	QV-QUX	-16								
HGO	297.230	HGU	297.450	QH	0.00	VV	0.50	HTU	0.01	HNACHT	0.01	DHGO	-0.05	DHGU	-1.38	RG	T_2a_D60	QUX/QV	2.86								
LE	51.08	JS	2.74	QG	0.00	AV	0.018	VTU	0.16	VNORM	0.15	HOX	1.15	HUX	0.18	OFK		DHS	0.14								
AEZ	0.00	GAMMA	0.00	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.18	WSUX	296.07	VUX	1.43	DWSX	0.96								
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
T_2a_D60		25		1.43		0				1.26		1.15		1.00		-0.05		0.28		0.18		0.03		-1.38			0.96
100020	SCO 100020				SCU 100010				ZUFL				ABFL 100010														
R	Kreisprofil		0.15/0.15																								
HSO	296.510	HSU	296.030	ED	0	QV	13	QTU	0	VNACHT	0.05	DHKO	0.80	DHKU	1.12	QUX	11	QV-QUX	2								
HGO	297.910	HGU	297.230	QH	0.00	VV	0.75	HTU	0.01	HNACHT	0.01	DHGO	-0.45	DHGU	0.07	RG	T_2a_D60	QUX/QV	0.80								
LE	77.99	JS	6.16	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.14	HOX	0.95	HUX	1.27	OFK	Gewerbe	DHS	0.48								
AEZ	0.22	GAMMA	0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.46	WSUX	297.30	VUX	0.60	DWSX	-0.32								
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
T_2a_D60		11		0.60		24		3.9		0.95		0.95		0.80		-0.45		1.29		1.27		1.12		0.07			-0.32

100025	SCO 100025				SCU R02				ZUFL				ABFL R02															
R	Kreisprofil		0.15/0.15																									
	HSO	295.350	HSU	294.760	ED	0	QV	21	QTU	0	VNACHT	0.01	DHKO	-0.06	DHKU	0.53	QUX	3	QV-QUX	18								
	HGO	296.850	HGU	297.310	QH	0.00	VV	1.21	HTU	0.01	HNACHT	0.01	DHGO	-1.41	DHGU	-1.87	RG	T_2a_D60	QUX/QV	0.13								
	LE	37.26	JS	15.84	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.19	HOX	0.09	HUX	0.68	OFK	Gewerbe	DHS	0.59								
	AEZ	0.04	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	295.44	WSUX	295.44	VUX	0.29	DWSX	-0.59								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_2a_D60		3		0.29		5				0.09		0.09		-0.06		-1.41		0.68		0.68		0.53		-1.87		-0.59	
100030	SCO 100030				SCU R03				ZUFL				ABFL R03															
R	Kreisprofil		0.15/0.15																									
	HSO	295.451	HSU	293.500	ED	0	QV	28	QTU	0	VNACHT	0.02	DHKO	-0.15	DHKU	1.52	QUX	20	QV-QUX	8								
	HGO	296.951	HGU	296.400	QH	0.00	VV	1.60	HTU	0.01	HNACHT	0.01	DHGO	-1.50	DHGU	-1.23	RG	T_2a_D60	QUX/QV	0.72								
	LE	71.45	JS	27.31	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.25	HOX	0.00	HUX	1.67	OFK	Gewerbe	DHS	1.95								
	AEZ	0.20	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	295.45	WSUX	295.17	VUX	1.16	DWSX	-1.67								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_2a_D60		20		1.16		21				0.00		0.00		-0.15		-1.50		1.67		1.67		1.52		-1.23		-1.67	

100045	SCO 100045	SCU EB in GL 1	ZUFL	ABFL Zisterne 1
R	Kreisprofil	0.15/0.15		
HSO 296.115	HSU 296.000	ED 0 QV 11	QTU 0 VNACHT 0.03 DHKO 0.88 DHKU 0.98 QUX 4 QV-QUX 7	
HGO 297.215	HGU 297.110	QH 0.00 VV 0.65	HTU 0.00 HNACHT 0.00 DHGO -0.07 DHGU 0.02 RG T_2a_D60 QUX/QV 0.31	
LE 25.19	JS 4.57	QG 0.00 AV 0.018	VTU 0.03 VNORM 0.10 HOX 1.03 HUX 1.13 OFK Gewerbe DHS 0.11	
AEZ 0.07	GAMMA 0.33	QF 0.01 KB 0.00080	DQT 0.0 DRUECK 0.00 WSOX 297.14 WSUX 297.13 VUX 0.20 DWSX -0.11	
REGEN	QUX	VUX QREGX	VSOX EOX HOX DHKO DHGO EUX HUX DHKU DHGU	DWSX
T_2a_D60	4	0.20	8 0.5 1.03 1.03 0.88 -0.07 1.14 1.13 0.98 0.02	-0.11
100050	SCO 100050	SCU 100055	ZUFL	ABFL 100055
R	Kreisprofil	0.15/0.15		
HSO 295.000	HSU 294.474	ED 0 QV 14	QTU 0 VNACHT 0.03 DHKO 1.57 DHKU 2.00 QUX 11 QV-QUX 3	
HGO 296.700	HGU 297.030	QH 0.00 VV 0.80	HTU 0.01 HNACHT 0.01 DHGO 0.02 DHGU -0.41 RG T_2a_D60 QUX/QV 0.81	
LE 75.91	JS 6.93	QG 0.00 AV 0.018	VTU 0.03 VNORM 0.15 HOX 1.72 HUX 2.15 OFK Gewerbe DHS 0.53	
AEZ 0.18	GAMMA 0.33	QF 0.02 KB 0.00080	DQT 0.0 DRUECK 0.01 WSOX 296.72 WSUX 296.62 VUX 0.65 DWSX -0.43	
REGEN	QUX	VUX QREGX	VSOX EOX HOX DHKO DHGO EUX HUX DHKU DHGU	DWSX
T_2a_D60	11	0.65	19 0.8 1.72 1.72 1.57 0.02 2.16 2.15 2.00 -0.41	-0.43

100055	SCO 100055	SCU R03	ZUFL 100050	100060	R06	ABFL R03													
R	Kreisprofil	0.15/0.15																	
HSO	294.474	HSU 293.500	ED	0	QV	20	QTU	0	VNACHT	0.12	DHKO	1.87	DHKU	1.52	QUX	36	QV-QUX	-16	
HGO	297.030	HGU 296.400	QH	0.00	VV	1.12	HTU	0.01	HNACHT	0.01	DHGO	-0.54	DHGU	-1.23	RG	T_2a_D60	QUX/QV	1.82	
LE	72.02	JS	13.52	QG	0.00	AV	0.018	VTU	0.11	VNORM	0.31	HOX	2.02	HUX	1.67	OFK	Gewerbe	DHS	0.97
AEZ	0.12	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.49	WSUX	295.17	VUX	2.04	DWSX	0.35
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU							DWSX
T_2a_D60	36	2.04	13				2.14	2.02	1.87	-0.54	1.68	1.67	1.52	-1.23					0.35

100060	SCO 100060	SCU 100055	ZUFL																
R	Kreisprofil	0.15/0.15																	
HSO	295.000	HSU 294.474	ED	0	QV	18	QTU	0	VNACHT	0.02	DHKO	1.47	DHKU	2.00	QUX	5	QV-QUX	13	
HGO	296.500	HGU 297.030	QH	0.00	VV	1.00	HTU	0.01	HNACHT	0.01	DHGO	0.12	DHGU	-0.41	RG	T_2a_D60	QUX/QV	0.29	
LE	48.72	JS	10.80	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.16	HOX	1.62	HUX	2.15	OFK	Gewerbe	DHS	0.53
AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.62	WSUX	296.62	VUX	0.33	DWSX	-0.53
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU							DWSX
T_2a_D60	5	0.33	14	6.4	1.62	1.62	1.47	0.12	2.15	2.15	2.00	-0.41							-0.53

```

100065                SCU 100070                ZUFL Zul RRB                ABFL
R  Kreisprofil      0.10/0.10                FREIER AUSFL
*  HSO 292.875  HSU 292.768  ED      0  QV      6  QTU      0  VNACHT 0.37  DHKO  -0.01  DHKU  -0.02  QUX      6  QV-QUX      0
   HGO 296.790  HGU 296.790  QH      0.00  VV      0.73  HTU  0.01  HNACHT 0.01  DHGO  -3.82  DHGU  -3.94  RG  T_2a_D60  QUX/QV  1.04
   LE   10.77  JS    10.00  QG      0.00  AV      0.008  VTU  0.36  VNORM  0.38  HOX      0.09  HUX      0.08  OFK      DHS      0.11
   AEZ   0.00  GAMMA  0.00  QF      0.00  KB 0.00080  DQT   0.0  DRUECK 0.00  WSOX 292.97  WSUX 292.85  VUX      0.90  DWSX      0.01

   REGEN      QUX      VUX      QREGX      VSOX      EOX      HOX      DHKO      DHGO      EUX      HUX      DHKU      DHGU      DWSX

   T_2a_D60      6      0.90      0      0.13      0.09      -0.01      -3.82      0.12      0.08      -0.02      -3.94      0.01

```

```

Auslauf                SCU Auslauf_RRB                ZUFL                ABFL
R  Kreisprofil      0.10/0.10                FREIER AUSFL
*  HSO 290.250  HSU 290.000  ED      0  QV      9  QTU      0  VNACHT 0.19  DHKO  -0.10  DHKU  -0.10  QUX      0  QV-QUX      9
   HGO  0.000  HGU 291.500  QH      0.00  VV      1.17  HTU  0.00  HNACHT 0.00  DHGO  0.00  DHGU  -1.50  RG  T_2a_D60  QUX/QV  0.00
   LE   10.00  JS    25.00  QG      0.00  AV      0.008  VTU  0.19  VNORM  0.19  HOX      0.00  HUX      0.00  OFK      DHS      0.25
   AEZ   0.00  GAMMA  0.00  QF      0.00  KB 0.00080  DQT   0.0  DRUECK 0.00  WSOX 290.25  WSUX 290.00  VUX      0.00  DWSX      0.00

   REGEN      QUX      VUX      QREGX      VSOX      EOX      HOX      DHKO      DHGO      EUX      HUX      DHKU      DHGU      DWSX

   T_2a_D60      0      0.00      0      0.00      0.00      -0.10      0.00      0.00      0.00      -0.10      -1.50      0.00

```

EB in GL 2		SCO R06RR01				SCU EB in GL 2				ZUFL				ABFL R06RR01					
R	Kreisprofil	0.15/0.15																	
HSO	296.140	HSU	295.860	ED	0	QV	30	QTU	0	VNACHT	0.01	DHKO	0.84	DHKU	1.11	QUX	2	QV-QUX	28
HGO	297.140	HGU	297.240	QH	0.00	VV	1.69	HTU	0.00	HNACHT	0.00	DHGO	-0.01	DHGU	-0.12	RG	T_2a_D60	QUX/QV	0.07
LE	9.19	JS	30.48	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.10	HOX	0.99	HUX	1.26	OFK	Gewerbe	DHS	0.28
AEZ	0.04	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.13	WSUX	297.12	VUX	0.14	DWSX	-0.28
REGEN		QUX	VUX	QREGX		VSOX		EOX		HOX		DHKO	DHGO	EUX	HUX	DHKU	DHGU		DWSX
T_2a_D60		2	0.14		4			0.99	0.99	0.84	-0.01	1.26	1.26	1.11	-0.12				-0.28
KA01	SCO KA01				SCU R06				ZUFL				ABFL R06						
R	Kreisprofil	0.10/0.10																	
HSO	295.758	HSU	295.030	ED	0	QV	15	QTU	0	VNACHT	0.01	DHKO	0.96	DHKU	1.69	QUX	-2	QV-QUX	17
HGO	297.258	HGU	297.000	QH	0.00	VV	1.91	HTU	0.01	HNACHT	0.01	DHGO	-0.44	DHGU	-0.18	RG	T_2a_D60	QUX/QV	-0.16
LE	11.01	JS	66.14	QG	0.00	AV	0.008	VTU	0.01	VNORM	0.27	HOX	1.06	HUX	1.79	OFK	Gewerbe	DHS	0.73
AEZ	0.01	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.82	WSUX	296.82	VUX	0.00	DWSX	-0.73
REGEN		QUX	VUX	QREGX		VSOX		EOX		HOX		DHKO	DHGO	EUX	HUX	DHKU	DHGU		DWSX
T_2a_D60		-2	-0.30		1			1.06	1.06	0.96	-0.44	1.79	1.79	1.69	-0.18				-0.73

R01	SCO R01				SCU R02				ZUFL R01a				100010				ABFL R02										
R	Kreisprofil		0.20/0.20																								
	HSO	295.890	HSU	294.760	ED	0	QV	83	QTU	0	VNACHT	0.12	DHKO	-0.04	DHKU	0.48	QUX	36	QV-QUX	47							
	HGO	297.450	HGU	297.310	QH	0.00	VV	2.63	HTU	0.01	HNACHT	0.01	DHGO	-1.40	DHGU	-1.87	RG	T_2a_D60	QUX/QV	0.44							
	LE	22.32	JS	50.62	QG	0.00	AV	0.031	VTU	0.11	VNORM	0.45	HOX	0.16	HUX	0.68	OFK	Gewerbe	DHS	1.13							
	AEZ	0.03	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.05	WSUX	295.44	VUX	1.99	DWSX	-0.52							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_2a_D60		36		1.99		3				0.25		0.16		-0.04		-1.40		0.75		0.68		0.48		-1.87		-0.52
R01a	SCO 100000				SCU R01				ZUFL				ABFL R01														
R	Kreisprofil		0.15/0.15																								
	HSO	295.950	HSU	295.890	ED	0	QV	5	QTU	0	VNACHT	0.04	DHKO	0.11	DHKU	0.03	QUX	12	QV-QUX	-7							
	HGO	298.450	HGU	297.450	QH	0.00	VV	0.29	HTU	0.01	HNACHT	0.01	DHGO	-2.24	DHGU	-1.38	RG	T_2a_D60	QUX/QV	2.28							
	LE	64.60	JS	0.93	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.07	HOX	0.26	HUX	0.18	OFK	Gewerbe	DHS	0.06							
	AEZ	0.12	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.21	WSUX	296.07	VUX	0.65	DWSX	0.08							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_2a_D60		12		0.65		13				0.26		0.26		0.11		-2.24		0.21		0.18		0.03		-1.38		0.08

R01NN01a		SCO 100005				SCU R01SE01				ZUFL				ABFL R01SE01													
R	Kreisprofil	0.15/0.15																									
HSO	296.950	HSU	296.640	ED	0	QV	14	QTU	0	VNACHT	0.13	DHKO	0.74	DHKU	1.03	QUX	6	QV-QUX	8								
HGO	297.900	HGU	297.860	QH	0.00	VV	0.77	HTU	0.00	HNACHT	0.00	DHGO	-0.06	DHGU	-0.04	RG	T_2a_D60	QUX/QV	0.45								
LE	48.74	JS	6.36	QG	0.00	AV	0.018	VTU	0.13	VNORM	0.12	HOX	0.89	HUX	1.18	OFK	Gewerbe	DHS	0.31								
AEZ	0.10	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.84	WSUX	297.82	VUX	0.63	DWSX	-0.29								
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
T_2a_D60		6		0.63		11				0.89		0.89		0.74		-0.06		1.18		1.18		1.03		-0.04			-0.29
R01SE01		SCO R01SE01				SCU 100010				ZUFL R01NN01a				ABFL 100010													
R	Kreisprofil	0.15/0.15																									
HSO	296.640	HSU	296.030	ED	0	QV	14	QTU	0	VNACHT	0.08	DHKO	1.02	DHKU	1.12	QUX	15	QV-QUX	-1								
HGO	297.860	HGU	297.230	QH	0.00	VV	0.77	HTU	0.01	HNACHT	0.01	DHGO	-0.05	DHGU	0.07	RG	T_2a_D60	QUX/QV	1.14								
LE	95.87	JS	6.36	QG	0.00	AV	0.018	VTU	0.09	VNORM	0.17	HOX	1.17	HUX	1.27	OFK	Gewerbe	DHS	0.61								
AEZ	0.22	GAMMA	0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.81	WSUX	297.30	VUX	0.88	DWSX	-0.09								
REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
T_2a_D60		15		0.88		24		3.9		1.18		1.17		1.02		-0.05		1.31		1.27		1.12		0.07			-0.09

R02	SCO R02				SCU R03				ZUFL 100025				R01		R02SE01				ABFL R03			
R	Kreisprofil		0.20/0.20																			
	HSO	294.760	HSU	293.500	ED	0	QV	55	QTU	0	VNACHT	0.14	DHKO	0.35	DHKU	1.47	QUX	61	QV-QUX	-6		
	HGO	297.310	HGU	296.400	QH	0.00	VV	1.76	HTU	0.01	HNACHT	0.01	DHGO	-2.00	DHGU	-1.23	RG	T_2a_D60	QUX/QV	1.11		
	LE	55.10	JS	22.87	QG	0.00	AV	0.031	VTU	0.12	VNORM	0.40	HOX	0.55	HUX	1.67	OFK	Gewerbe	DHS	1.26		
	AEZ	0.06	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	295.31	WSUX	295.17	VUX	1.95	DWSX	-1.12		
	REGEN		QUX	VUX	QREGX		VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX						
	T_2a_D60	61	1.95	6			0.72	0.55	0.35	-2.00	1.67	1.67	1.47	-1.23	-1.12							
R02SE01	SCO R02SE01				SCU R02				ZUFL				ABFL R02									
R	Kreisprofil		0.15/0.15																			
	HSO	296.000	HSU	294.760	ED	0	QV	16	QTU	0	VNACHT	0.05	DHKO	0.00	DHKU	0.53	QUX	20	QV-QUX	-4		
	HGO	297.110	HGU	297.310	QH	0.00	VV	0.89	HTU	0.01	HNACHT	0.01	DHGO	-0.96	DHGU	-1.87	RG	T_2a_D60	QUX/QV	1.28		
	LE	143.94	JS	8.61	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.19	HOX	0.15	HUX	0.68	OFK	Gewerbe	DHS	1.24		
	AEZ	0.26	GAMMA	0.33	QF	0.03	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.15	WSUX	295.44	VUX	1.14	DWSX	-0.53		
	REGEN		QUX	VUX	QREGX		VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX						
	T_2a_D60	20	1.14	28			0.15	0.15	0.00	-0.96	0.75	0.68	0.53	-1.87	-0.53							

R03	SCO R03								ZUFL 100055				100030	R02		ABFL Zul RRB				
R	Kreisprofil		0.30/0.30																	
	HSO 293.500	HSU 292.930	ED	0	QV	157	QTU	0	VNACHT	0.45	DHKO	1.37	DHKU	1.94	QUX	124	QV-QUX	33		
	HGO 296.400	HGU 296.790	QH	0.00	VV	2.23	HTU	0.01	HNACHT	0.01	DHGO	-1.23	DHGU	-1.62	RG	T_2a_D60	QUX/QV	0.79		
	LE 26.42	JS 21.57	QG	0.00	AV	0.071	VTU	0.44	VNORM	0.46	HOX	1.67	HUX	2.24	OFK	Gewerbe	DHS	0.57		
	AEZ 0.09	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	295.17	WSUX	295.17	VUX	2.01	DWSX	-0.57		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX		
	T_2a_D60	124	2.01	10		1.67	1.67	1.37	-1.23	2.24	2.24	1.94	-1.62					-0.57		
R04	SCO R04				SCU R05				ZUFL				ABFL R05							
R	Kreisprofil		0.15/0.15																	
	HSO 296.250	HSU 296.160	ED	0	QV	15	QTU	0	VNACHT	0.04	DHKO	0.73	DHKU	0.82	QUX	2	QV-QUX	13		
	HGO 297.150	HGU 297.090	QH	0.00	VV	0.87	HTU	0.00	HNACHT	0.00	DHGO	-0.02	DHGU	0.04	RG	T_2a_D60	QUX/QV	0.10		
	LE 10.93	JS 8.23	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.12	HOX	0.88	HUX	0.97	OFK	Gewerbe	DHS	0.09		
	AEZ 0.02	GAMMA 0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.13	WSUX	297.13	VUX	0.24	DWSX	-0.09		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX		
	T_2a_D60	2	0.24	2	0.9	0.88	0.88	0.73	-0.02	0.97	0.97	0.82	0.04					-0.09		

R05	SCO R05				SCU EB in GL 1				ZUFL R04				R05NN01				ABFL Zisterne 1			
R	Kreisprofil		0.15/0.15																	
	HSO 296.160	HSU 296.000	ED	0	QV	13	QTU	0	VNACHT	0.06	DHKO	0.82	DHKU	0.98	QUX	5	QV-QUX	8		
	HGO 297.090	HGU 297.110	QH	0.00	VV	0.72	HTU	0.00	HNACHT	0.00	DHGO	0.04	DHGU	0.02	RG T_2a_D60	QUX/QV	0.41			
	LE 28.24	JS 5.67	QG	0.00	AV	0.018	VTU	0.07	VNORM	0.12	HOX	0.97	HUX	1.13	OFK Gewerbe	DHS	0.16			
	AEZ 0.09	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 297.13	WSUX 297.13	VUX	0.33	DWSX	-0.16				
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX			
	T_2a_D60	5	0.33	9	1.2	0.97	0.97	0.82	0.04	1.13	1.13	0.98	0.02				-0.16			
R05NN01	SCO R05NN01				SCU R05				ZUFL				ABFL R05							
R	Kreisprofil		0.15/0.15																	
	HSO 296.260	HSU 296.160	ED	0	QV	21	QTU	0	VNACHT	0.03	DHKO	0.72	DHKU	0.82	QUX	-2	QV-QUX	23		
	HGO 297.160	HGU 297.090	QH	0.00	VV	1.16	HTU	0.00	HNACHT	0.00	DHGO	-0.03	DHGU	0.04	RG T_2a_D60	QUX/QV	-0.09			
	LE 6.90	JS 14.49	QG	0.00	AV	0.018	VTU	0.03	VNORM	0.08	HOX	0.87	HUX	0.97	OFK Gewerbe	DHS	0.10			
	AEZ 0.01	GAMMA 0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 297.13	WSUX 297.13	VUX	0.30	DWSX	-0.10				
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX			
	T_2a_D60	-2	0.30	1	0.9	0.87	0.87	0.72	-0.03	0.97	0.97	0.82	0.04				-0.10			

R06	SCO R06	SCU 100055	ZUFL R07	KA01	R06RR01	ABFL 100055													
R	Kreisprofil	0.15/0.15																	
HSO	295.030	HSU 294.474	ED	0	QV	39	QTU	0	VNACHT	0.10	DHKO	1.58	DHKU	2.00	QUX	19	QV-QUX	20	
HGO	297.000	HGU 297.030	QH	0.00	VV	2.21	HTU	0.01	HNACHT	0.01	DHGO	-0.24	DHGU	-0.41	RG	T_2a_D60	QUX/QV	0.50	
LE	10.75	JS	51.75	QG	0.00	AV	0.018	VTU	0.10	VNORM	0.44	HOX	1.73	HUX	2.15	OFK	DHS	0.56	
AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.76	WSUX	296.62	VUX	1.39	DWSX	-0.42
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU						DWSX	
T_2a_D60	19	1.39	0				1.79	1.73	1.58	-0.24	2.21	2.15	2.00	-0.41					-0.42
R06RR01	SCO EB in GL 2	SCU R06	ZUFL EB in GL 2	Zisterne 1	ABFL R06														
R	Kreisprofil	0.15/0.15																	
HSO	295.860	HSU 295.030	ED	0	QV	19	QTU	0	VNACHT	0.10	DHKO	1.11	DHKU	1.64	QUX	16	QV-QUX	3	
HGO	297.240	HGU 297.000	QH	0.00	VV	1.06	HTU	0.01	HNACHT	0.01	DHGO	-0.12	DHGU	-0.18	RG	T_2a_D60	QUX/QV	0.86	
LE	67.96	JS	12.21	QG	0.00	AV	0.018	VTU	0.09	VNORM	0.23	HOX	1.26	HUX	1.79	OFK	Gewerbe	DHS	0.83
AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.12	WSUX	296.82	VUX	0.91	DWSX	-0.53
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU							DWSX
T_2a_D60	16	0.91	14				1.26	1.26	1.11	-0.12	1.82	1.79	1.64	-0.18					-0.53

R07	SCO R07				SCU R06				ZUFL R07RR01				ABFL R06					
R	Kreisprofil		0.12/0.12															
	HSO 295.290	HSU 295.030	ED	0	QV	9	QTU	0	VNACHT 0.05	DHKO	1.50	DHKU	1.67	QUX	6	QV-QUX	3	
	HGO 297.090	HGU 297.000	QH	0.00	VV	0.76	HTU	0.01	HNACHT 0.01	DHGO	-0.17	DHGU	-0.18	RG	T_2a_D60	QUX/QV	0.63	
	LE	32.72	JS	7.95	QG	0.00	AV	0.012	VTU	0.04	VNORM 0.16	HOX	1.63	HUX	1.79	OFK Gewerbe	DHS	0.26
	AEZ	0.04	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK 0.00	WSOX 296.92	WSUX 296.82	VUX	0.48	DWSX	-0.16	
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX				
	T_2a_D60	6	0.48	4	1.63		1.63	1.50	-0.17	1.80	1.79	1.67	-0.18	-0.16				

R07RR01	SCO R07RR01				SCU R07				ZUFL				ABFL R07						
R	Kreisprofil		0.12/0.12																
	HSO 295.710	HSU 295.290	ED	0	QV	11	QTU	0	VNACHT 0.12	DHKO	1.12	DHKU	1.50	QUX	4	QV-QUX	7		
	HGO 297.210	HGU 297.090	QH	0.00	VV	0.91	HTU	0.00	HNACHT 0.00	DHGO	-0.26	DHGU	-0.17	RG	T_2a_D60	QUX/QV	0.37		
	LE	36.94	JS	11.37	QG	0.00	AV	0.012	VTU	0.13	VNORM	0.14	HOX	1.24	HUX	1.63	OFK Gewerbe DHS	0.42	
	AEZ	0.08	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK 0.00	WSOX	296.95	WSUX	296.92	VUX	0.76	DWSX	-0.39
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX	
	T_2a_D60	4	0.76	9			1.24	1.24	1.12	-0.26	1.64	1.63	1.50	-0.17				-0.39	

Zisterne 1	SCO EB in GL 1				SCU EB in GL 2				ZUFL R05				100045				ABFL R06RR01													
R	Kreisprofil		0.15/0.15																											
	HSO	296.000	HSU	295.860	ED	0	QV	19	QTU	0	VNACHT	0.12	DHKO	0.98	DHKU	1.11	QUX	8	QV-QUX	11										
	HGO	297.110	HGU	297.240	QH	0.00	VV	1.06	HTU	0.00	HNACHT	0.00	DHGO	0.02	DHGU	-0.12	RG	T_2a_D60	QUX/QV	0.42										
	LE	11.47	JS	12.21	QG	0.00	AV	0.018	VTU	0.11	VNORM	0.19	HOX	1.13	HUX	1.26	OFK	Gewerbe	DHS	0.14										
	AEZ	0.04	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.13	WSUX	297.12	VUX	0.73	DWSX	-0.13										
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX			
	T_2a_D60		8		0.73		4		0.4		1.13		1.13		0.98		0.02		1.27		1.26		1.11		-0.12		-0.13			
Zul RRB																														
											ZUFL 100065										ABFL 100065									
R	Kreisprofil		0.10/0.10																											
	HSO	292.930	HSU	292.875	ED	0	QV	4	QTU	0	VNACHT	0.32	DHKO	0.08	DHKU	-0.01	QUX	6	QV-QUX	-2										
	HGO	296.790	HGU	296.790	QH	0.00	VV	0.48	HTU	0.02	HNACHT	0.01	DHGO	-3.68	DHGU	-3.82	RG	T_2a_D60	QUX/QV	1.59										
	LE	12.49	JS	4.36	QG	0.00	AV	0.008	VTU	0.31	VNORM	0.28	HOX	0.18	HUX	0.09	OFK		DHS	0.05										
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	293.11	WSUX	292.97	VUX	0.86	DWSX	0.08										
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX			
	T_2a_D60		6		0.86		0		0.21		0.18		0.08		-3.68		0.13		0.09		-0.01		-3.82		0.08					

100065

SCU 100070

ZUFL Zul RRB

ABFL

R REGEN T_2a_D60
FREIER AUSFL

T	QO	HU
0	0	0.01
5	0	0.02
10	5	0.07
15	6	0.08
20	6	0.08
25	6	0.08
30	6	0.08
35	6	0.08
40	6	0.08
45	6	0.08
50	6	0.08
55	6	0.08
60	6	0.08
65	6	0.08
70	6	0.08
75	6	0.08
80	6	0.08
85	6	0.08

90	6	0.08
95	6	0.08
100	6	0.08
105	6	0.08
110	6	0.08
115	6	0.08
120	6	0.08

Auslauf

SCU Auslauf_RRB

ZUFL

ABFL

R REGEN T_2a_D60

FREIER AUSFL

T QO HU

0	0	0.00
5	0	0.00
10	0	0.00
15	0	0.00
20	0	0.00
25	0	0.00
30	0	0.00
35	0	0.00
40	0	0.00
45	0	0.00

50	0	0.00
55	0	0.00
60	0	0.00
65	0	0.00
70	0	0.00
75	0	0.00
80	0	0.00
85	0	0.00
90	0	0.00
95	0	0.00
100	0	0.00
105	0	0.00
110	0	0.00
115	0	0.00
120	0	0.00

Zul RRB

ZUFL R03

ABFL 100065

ARHB 100.0 SRHB 292.930

HGO 296.790

BECKEN

REGEN T_2a_D60

T	H	VOL	QZU	QAB
0	0.00	0.0	0	0
5	0.00	0.0	0	0
10	0.02	2.4	14	6
15	0.16	16.1	52	6
20	0.51	51.5	124	6
25	0.82	82.1	108	6
30	1.08	107.5	91	6
35	1.29	129.3	79	6
40	1.48	148.4	70	6
45	1.65	165.2	62	6
50	1.81	180.5	57	6
55	1.94	194.1	52	6
60	2.05	205.3	43	6
65	2.13	213.1	32	6
70	2.18	218.4	24	6

75	2.22	221.7	17	6
80	2.23	223.3	12	6
85	2.24	224.1	9	6
90	2.24	223.9	5	6
95	2.23	222.8	2	6
100	2.21	221.4	1	6
105	2.20	220.1	1	6
110	2.19	218.7	1	6
115	2.17	217.4	1	6
120	2.16	216.0	1	6

100065

ZUFL Zul RRB

ABFL Zul RRB

HAUS 0.000 HEIN 0.000 Q0 6 H0 5.00 MUE 0.75

PUMPE

REGEN T_2a_D60

T	Q	HMAN	P	H
0	0	0.02	0.00	0.00
5	0	0.02	0.00	0.00
10	6	0.15	0.01	0.02
15	6	0.03	0.00	0.16
20	6	0.00	0.00	0.51
25	6	0.00	0.00	0.82
30	6	0.00	0.00	1.08
35	6	0.00	0.00	1.29
40	6	0.00	0.00	1.48
45	6	0.00	0.00	1.65
50	6	0.00	0.00	1.81
55	6	0.00	0.00	1.94
60	6	0.00	0.00	2.05
65	6	0.00	0.00	2.13
70	6	0.00	0.00	2.18

75	6	0.00	0.00	2.22
80	6	0.00	0.00	2.23
85	6	0.00	0.00	2.24
90	6	0.00	0.00	2.24
95	6	0.00	0.00	2.23
100	6	0.00	0.00	2.21
105	6	0.00	0.00	2.20
110	6	0.00	0.00	2.19
115	6	0.00	0.00	2.17
120	6	0.00	0.00	2.16

V O L U M E N N A C H W E I S

REGEN	ZEIT	UEBERNOMMEN	EINZUGSGEBIET	UEBERGEBEN	IM NETZ	OBERFLAECHE	ABWEICHUNG
	T (MIN)	QUE*DT (M3)	QEI*DT (M3)	QAB*DT (M3)	VOL (M3)	VSO (M3)	DVOL (%)
T_2a_D60	0	0.0	0.1	0.1	0.3	0.0	1.1
	5	0.0	0.4	0.1	0.6	0.0	0.0
	10	0.0	7.4	1.6	6.5	0.0	0.1
	15	0.0	24.1	1.8	28.8	0.0	0.1
	20	0.0	74.3	1.8	93.9	7.4	0.0
	25	0.0	41.0	1.8	125.3	15.2	0.0
	30	0.0	28.8	1.8	149.6	17.9	0.0
	35	0.0	22.4	1.8	169.9	18.1	0.0
	40	0.0	18.0	1.8	187.6	16.6	0.0
	45	0.0	15.0	1.8	203.1	14.3	0.0
	50	0.0	12.7	1.8	217.2	11.1	0.0
	55	0.0	10.8	1.8	228.7	8.4	0.0
	60	0.0	9.2	1.8	237.2	7.4	0.0
	65	0.0	4.5	1.8	241.3	6.0	0.0
	70	0.0	2.2	1.8	242.8	4.8	0.0
	75	0.0	0.9	1.8	243.3	3.4	0.0
	80	0.0	0.4	1.8	243.2	2.0	0.1
	85	0.0	0.2	1.8	243.1	0.5	0.0

90	0.0	0.2	1.8	241.9	0.0	0.0
95	0.0	0.1	1.8	240.2	0.0	0.0
100	0.0	0.1	1.8	238.5	0.0	0.0
105	0.0	0.1	1.8	236.9	0.0	0.0
110	0.0	0.1	1.8	235.3	0.0	0.0
115	0.0	0.1	1.8	233.7	0.0	-0.1
120	0.0	0.1	1.8	232.2	0.0	-0.1

I T E R A T I O N S - U E B E R S I C H T

VORGEGEBENE MAXIMALE NETZITERATIONSZAHL	ITERN =	500
VORGEGEBENE MAXIMALE KNOTENITERATIONSZAHL	ITERK =	20
ABBRUCHSCHRANKE FUER HOEHENGENAUGKEIT	DHZUL =	0.0040 M
ABBRUCHSCHRANKE FUER DURCHFLUSSGENAUGKEIT	DQZUL =	0.005
ABBRUCHSCHRANKE FUER KNOTENITERATION	FNORM =	10E-3
RELAXATIONSPARAMETER RUECKRECHNUNG	RELB =	0.25
RELAXATIONSPARAMETER VORRECHNUNG	RELF =	0.20

REGEN	T	ITA	ITI	ELEMENT	DQX	HALTUNG	DHX	ELEMENT
T_2a_D60								
	0	1	1	R01NN01a	0.000	100065	0.001	100055
	5	3	1	R01NN01a	0.000	Zu1 RRB	0.003	100055
	10	17	1	R01NN01a	0.000	R03	0.004	100060
	15	22	1	R01NN01a	0.000	R03	0.003	Zisterne 1
	20	55	1	R01NN01a	0.000	R03	0.004	R07RR01
	25	40	1	R01NN01a	0.000	100010	0.003	R02
	30	33	1	R01NN01a	0.000	R03	0.003	R02
	35	29	1	R01NN01a	0.000	R03	0.004	R02
	40	28	1	R01NN01a	0.000	R03	0.004	R02
	45	27	1	R01NN01a	0.000	R03	0.004	R02
	50	28	1	R01NN01a	0.000	R03	0.004	R02
	55	27	1	R01NN01a	0.000	R03	0.004	R02

60	26	1	R01NN01a	0.000	R03	0.004	R02
65	25	1	R01NN01a	0.000	R03	0.003	Zisterne 1
70	20	1	R01NN01a	0.000	R03	0.004	R02
75	22	1	R01NN01a	0.000	R03	0.003	R07RR01
80	12	1	R01NN01a	0.000	R03	0.004	100055
85	20	1	R01NN01a	0.000	R03	0.003	R07
90	15	1	R01NN01a	0.000	R06	0.004	100060
95	14	1	R01NN01a	0.000	100055	0.003	R07
100	14	1	R01NN01a	0.000	100055	0.004	R07
105	1	1	R01NN01a	0.000	R06	0.004	R06
110	3	1	R01NN01a	0.000	R03	0.004	R06
115	2	1	R01NN01a	0.000	R03	0.002	Zul RRB
120	2	1	R01NN01a	0.000	R06	0.003	100055

BELASTUNGSPLAN

BELASTUNG			FARBE
0.00	BIS	1.00	GRUEN
1.01	BIS	1.50	GELB
1.51	BIS	2.50	ORANGE
2.51	BIS	4.00	ROT
UEBER			4.00
			BLAU

DIE FARBEN WURDEN AUF GRUND DER UNGUENSTIGSTEN WERTE

QUX/QV

DES ERSTEN UND JEDEN WEITEREN REGENS MIT DER GLEICHEN HAEUFIGKEIT ERMITTELT.

TEILFUELLUNG IST DURCH EIN STERNCHEN VOR DER FARBANGABE GEKENNZEICHNET.

HALTUNG	FARBE	I	HALTUNG	FARBE	I	HALTUNG	FARBE	I	HALTUNG	FARBE
-----I-----I-----I-----										
100010	R	ROT	I	100060	R	GRUEN	I	R01NN01a	R	GRUEN
100020	R	GRUEN	I	100065	R	* GELB	I	R01SE01	R	GELB
100025	R	GRUEN	I	Auslauf	R	* GRUEN	I	R02	R	GELB
100030	R	GRUEN	I	EB in GL 2	R	GRUEN	I	R02SE01	R	GELB
100045	R	GRUEN	I	KA01	R	GRUEN	I	R03	R	GRUEN
100050	R	GRUEN	I	R01	R	GRUEN	I	R04	R	GRUEN
100055	R	ORANGE	I	R01a	R	ORANGE	I	R05	R	GRUEN
									I	Zul RRB
									R	ORANGE

=====

E L E K T R O N I S C H E K A N A L N E T Z B E R E C H N U N G

M I T D E R

G A N G L I N I E N V O L U M E N M E T H O D E (G V M)

=====

VERSION 4.3.09

HydroCAD - GVM - KANOUT DORSCH INTERNATIONAL CONSULTANTS GMBH

DORSCH INTERNATIONAL CONSULTANTS GMBH

GESCHAEFTSBEREICH WASSER UND UMWELT

LANDSBERGER STR. 368

D-80687 M U E N C H E N

089 TEL 5797-0 FAX 5704867

ANZAHL DER KANAELE		28
ANZAHL DER REGENUEBERLAEUFE		0
ANZAHL DER RUECKHALTEBECKEN		1
ANZAHL DER PUMPEN		1
GESAMTLAENGE DER KANAELE	(KILOMETER)	1.2
FASSUNGSVERMOEGEN DER KANAELE	(KUBIKMETER)	22.4
FASSUNGSVERMOEGEN DER BAUWERKE	(KUBIKMETER)	386.0
FASSUNGSVERMOEGEN DER SCHAECHTE	(KUBIKMETER)	41.9
RAUHEIT (PRANDTL-COLEBROOK)	(MILLIMETER)	0.80
GESAMTE ENTWAESSERTE FLAECHE	(HEKTAR)	2.3
MITTLERER BEFESTIGUNGSGRAD		0.33
EINWOHNERZAHL		0
HAEUSLICHER SCHMUTZWASSERANFALL	(LITER/ (EINWOHNER*TAG))	0.0
HAEUSLICHER SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.0
BETRIEBL. SCHMUTZWASSERABFLUSS	(LITER/SEKUNDE)	0.0
FREMDWASSERABFLUSS	(LITER/SEKUNDE)	0.2
GESAMTER TROCKENWETTERABFLUSS	(LITER/SEKUNDE) MAXIMUM	0.3

REGENKENNUNG
T_30a_D6

RECHENDAUER	(MINUTEN)	120
ZEITSCHRITT	(MINUTEN)	5
HAEUFIGKEIT	(PRO JAHR)	0.03

100010	SCO 100010				SCU R01				ZUFL R01SE01				100020		ABFL R01				
R	Kreisprofil		0.15/0.15																
HSO	296.030	HSU	295.890	ED	0	QV	9	QTU	0	VNACHT	0.17	DHKO	1.20	DHKU	1.17	QUX	24	QV-QUX	-15
HGO	297.230	HGU	297.450	QH	0.00	VV	0.50	HTU	0.01	HNACHT	0.01	DHGO	0.15	DHGU	-0.24	RG	T_30a_D6	QUX/QV	2.75
LE	51.08	JS	2.74	QG	0.00	AV	0.018	VTU	0.16	VNORM	0.15	HOX	1.35	HUX	1.32	OFK		DHS	0.14
AEZ	0.00	GAMMA	0.00	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.38	WSUX	297.21	VUX	1.37	DWSX	0.04
REGEN		QUX	VUX	QREGX		VSOX		EOX		HOX		DHKO	DHGO	EUX	HUX	DHKU	DHGU		DWSX
T_30a_D6		24	1.37		0		6.5	1.39		1.35		1.20	0.15	1.32	1.32	1.17	-0.24		0.04

100020	SCO 100020				SCU 100010				ZUFL				ABFL 100010						
R	Kreisprofil		0.15/0.15																
HSO	296.510	HSU	296.030	ED	0	QV	13	QTU	0	VNACHT	0.05	DHKO	0.86	DHKU	1.24	QUX	11	QV-QUX	2
HGO	297.910	HGU	297.230	QH	0.00	VV	0.75	HTU	0.01	HNACHT	0.01	DHGO	-0.39	DHGU	0.19	RG	T_30a_D6	QUX/QV	0.82
LE	77.99	JS	6.16	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.14	HOX	1.01	HUX	1.39	OFK	Gewerbe	DHS	0.48
AEZ	0.22	GAMMA	0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.52	WSUX	297.42	VUX	0.62	DWSX	-0.38
REGEN		QUX	VUX	QREGX		VSOX		EOX		HOX		DHKO	DHGO	EUX	HUX	DHKU	DHGU		DWSX
T_30a_D6		11	0.62		71		50.8	1.01		1.01		0.86	-0.39	1.40	1.39	1.24	0.19		-0.38

100025	SCO 100025				SCU R02				ZUFL				ABFL R02															
R	Kreisprofil		0.15/0.15																									
	HSO	295.350	HSU	294.760	ED	0	QV	21	QTU	0	VNACHT	0.01	DHKO	1.40	DHKU	1.97	QUX	7	QV-QUX	14								
	HGO	296.850	HGU	297.310	QH	0.00	VV	1.21	HTU	0.01	HNACHT	0.01	DHGO	0.05	DHGU	-0.43	RG	T_30a_D6	QUX/QV	0.33								
	LE	37.26	JS	15.84	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.19	HOX	1.55	HUX	2.12	OFK	Gewerbe	DHS	0.59								
	AEZ	0.04	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.90	WSUX	296.88	VUX	0.40	DWSX	-0.57								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_30a_D6		7		0.40		14		1.4		1.55		1.55		1.40		0.05		2.12		2.12		1.97		-0.43			-0.57
100030	SCO 100030				SCU R03				ZUFL				ABFL R03															
R	Kreisprofil		0.15/0.15																									
	HSO	295.451	HSU	293.500	ED	0	QV	28	QTU	0	VNACHT	0.02	DHKO	1.39	DHKU	2.84	QUX	45	QV-QUX	-17								
	HGO	296.951	HGU	296.400	QH	0.00	VV	1.60	HTU	0.01	HNACHT	0.01	DHGO	0.04	DHGU	0.09	RG	T_30a_D6	QUX/QV	1.60								
	LE	71.45	JS	27.31	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.25	HOX	1.54	HUX	2.99	OFK	Gewerbe	DHS	1.95								
	AEZ	0.20	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.99	WSUX	296.49	VUX	2.56	DWSX	-1.45								
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU			DWSX
	T_30a_D6		45		2.56		63		9.2		1.54		1.54		1.39		0.04		2.99		2.99		2.84		0.09			-1.45

100045	SCO 100045				SCU EB in GL 1				ZUFL				ABFL Zisterne 1							
R	Kreisprofil		0.15/0.15																	
	HSO 296.115	HSU 296.000	ED	0	QV	11	QTU	0	VNACHT	0.03	DHKO	1.00	DHKU	1.12	QUX	3	QV-QUX	8		
	HGO 297.215	HGU 297.110	QH	0.00	VV	0.65	HTU	0.00	HNACHT	0.00	DHGO	0.05	DHGU	0.16	RG	T_30a_D6	QUX/QV	0.28		
	LE 25.19	JS 4.57	QG	0.00	AV	0.018	VTU	0.03	VNORM	0.10	HOX	1.15	HUX	1.27	OFK	Gewerbe	DHS	0.11		
	AEZ 0.07	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.27	WSUX	297.27	VUX	0.19	DWSX	-0.11		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU						DWSX	
	T_30a_D6	3	0.19	22	14.7	1.15	1.15	1.00	0.05	1.27	1.27	1.12	0.16						-0.11	
100050	SCO 100050				SCU 100055				ZUFL				ABFL 100055							
R	Kreisprofil		0.15/0.15																	
	HSO 295.000	HSU 294.474	ED	0	QV	14	QTU	0	VNACHT	0.03	DHKO	1.75	DHKU	2.29	QUX	11	QV-QUX	3		
	HGO 296.700	HGU 297.030	QH	0.00	VV	0.80	HTU	0.01	HNACHT	0.01	DHGO	0.20	DHGU	-0.11	RG	T_30a_D6	QUX/QV	0.77		
	LE 75.91	JS 6.93	QG	0.00	AV	0.018	VTU	0.03	VNORM	0.15	HOX	1.90	HUX	2.44	OFK	Gewerbe	DHS	0.53		
	AEZ 0.18	GAMMA 0.33	QF	0.02	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.90	WSUX	296.92	VUX	0.62	DWSX	-0.54		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU						DWSX	
	T_30a_D6	11	0.62	57	40.5	1.90	1.90	1.75	0.20	2.44	2.44	2.29	-0.11						-0.54	

100055	SCO 100055	SCU R03	ZUFL 100050	100060	R06	ABFL R03													
R	Kreisprofil	0.15/0.15																	
HSO	294.474	HSU	293.500	ED	0	QV	20	QTU	0	VNACHT	0.12	DHKO	2.29	DHKU	2.85	QUX	42	QV-QUX	-22
HGO	297.030	HGU	296.400	QH	0.00	VV	1.12	HTU	0.01	HNACHT	0.01	DHGO	-0.11	DHGU	0.10	RG	T_30a_D6	QUX/QV	2.14
LE	72.02	JS	13.52	QG	0.00	AV	0.018	VTU	0.11	VNORM	0.31	HOX	2.44	HUX	3.00	OFK	Gewerbe	DHS	0.97
AEZ	0.12	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.92	WSUX	296.50	VUX	2.40	DWSX	-0.55
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU							DWSX
T_30a_D6	42	2.40	39	9.5	2.45	2.44	2.29	-0.11	3.00	3.00	2.85	0.10							-0.55
100060	SCO 100060	SCU 100055	ZUFL													ABFL 100055			
R	Kreisprofil	0.15/0.15																	
HSO	295.000	HSU	294.474	ED	0	QV	18	QTU	0	VNACHT	0.02	DHKO	1.58	DHKU	2.27	QUX	-10	QV-QUX	28
HGO	296.500	HGU	297.030	QH	0.00	VV	1.00	HTU	0.01	HNACHT	0.01	DHGO	0.23	DHGU	-0.13	RG	T_30a_D6	QUX/QV	-0.57
LE	48.72	JS	10.80	QG	0.00	AV	0.018	VTU	0.02	VNORM	0.16	HOX	1.73	HUX	2.42	OFK	Gewerbe	DHS	0.53
AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.73	WSUX	296.90	VUX	0.00	DWSX	-0.70
REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU							DWSX
T_30a_D6	-10	-0.57	41	70.7	1.73	1.73	1.58	0.23	2.44	2.42	2.27	-0.13							-0.70

```

100065                SCU 100070                ZUFL Zul RRB                ABFL
R  Kreisprofil      0.10/0.10                FREIER AUSFL
*  HSO 292.875  HSU 292.768  ED      0  QV      6  QTU      0  VNACHT 0.37  DHKO  -0.01  DHKU  -0.02  QUX      6  QV-QUX      0
   HGO 296.790  HGU 296.790  QH      0.00  VV      0.73  HTU  0.01  HNACHT 0.01  DHGO  -3.82  DHGU  -3.94  RG  T_30a_D6  QUX/QV  1.04
   LE   10.77  JS    10.00  QG      0.00  AV      0.008  VTU  0.36  VNORM  0.38  HOX      0.09  HUX      0.08  OFK      DHS      0.11
   AEZ   0.00  GAMMA  0.00  QF      0.00  KB 0.00080  DQT   0.0  DRUECK 0.00  WSOX 292.97  WSUX 292.85  VUX      0.90  DWSX      0.01

   REGEN      QUX      VUX      QREGX      VSOX      EOX      HOX      DHKO      DHGO      EUX      HUX      DHKU      DHGU      DWSX

   T_30a_D6      6      0.90      0      0.13      0.09      -0.01      -3.82      0.12      0.08      -0.02      -3.94      0.01

```

```

Auslauf                SCU Auslauf_RRB                ZUFL                ABFL
R  Kreisprofil      0.10/0.10                FREIER AUSFL
*  HSO 290.250  HSU 290.000  ED      0  QV      9  QTU      0  VNACHT 0.19  DHKO  -0.10  DHKU  -0.10  QUX      0  QV-QUX      9
   HGO  0.000  HGU 291.500  QH      0.00  VV      1.17  HTU  0.00  HNACHT 0.00  DHGO   0.00  DHGU  -1.50  RG  T_30a_D6  QUX/QV  0.00
   LE   10.00  JS    25.00  QG      0.00  AV      0.008  VTU  0.19  VNORM  0.19  HOX      0.00  HUX      0.00  OFK      DHS      0.25
   AEZ   0.00  GAMMA  0.00  QF      0.00  KB 0.00080  DQT   0.0  DRUECK 0.00  WSOX 290.25  WSUX 290.00  VUX      0.00  DWSX      0.00

   REGEN      QUX      VUX      QREGX      VSOX      EOX      HOX      DHKO      DHGO      EUX      HUX      DHKU      DHGU      DWSX

   T_30a_D6      0      0.00      0      0.00      0.00      -0.10      0.00      0.00      0.00      -0.10      -1.50      0.00

```

EB in GL 2		SCO R06RR01				SCU EB in GL 2				ZUFL				ABFL R06RR01					
R	Kreisprofil	0.15/0.15																	
HSO	296.140	HSU	295.860	ED	0	QV	30	QTU	0	VNACHT	0.01	DHKO	1.00	DHKU	1.28	QUX	2	QV-QUX	28
HGO	297.140	HGU	297.240	QH	0.00	VV	1.69	HTU	0.00	HNACHT	0.00	DHGO	0.15	DHGU	0.05	RG	T_30a_D6	QUX/QV	0.07
LE	9.19	JS	30.48	QG	0.00	AV	0.018	VTU	0.01	VNORM	0.10	HOX	1.15	HUX	1.43	OFK	Gewerbe	DHS	0.28
AEZ	0.04	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.29	WSUX	297.29	VUX	0.12	DWSX	-0.29
REGEN		QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX	
T_30a_D6		2	0.12	13	7.9	1.15	1.15	1.00	0.15	1.43	1.43	1.28	0.05					-0.29	

KA01		SCO KA01				SCU R06				ZUFL				ABFL R06					
R	Kreisprofil	0.10/0.10																	
HSO	295.758	HSU	295.030	ED	0	QV	15	QTU	0	VNACHT	0.01	DHKO	1.21	DHKU	1.95	QUX	-2	QV-QUX	17
HGO	297.258	HGU	297.000	QH	0.00	VV	1.91	HTU	0.01	HNACHT	0.01	DHGO	-0.19	DHGU	0.08	RG	T_30a_D6	QUX/QV	-0.15
LE	11.01	JS	66.14	QG	0.00	AV	0.008	VTU	0.01	VNORM	0.27	HOX	1.31	HUX	2.05	OFK	Gewerbe	DHS	0.73
AEZ	0.01	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	297.06	WSUX	297.08	VUX	0.00	DWSX	-0.74
REGEN		QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX	
T_30a_D6		-2	-0.29	4	2.2	1.31	1.31	1.21	-0.19	2.05	2.05	1.95	0.08					-0.74	

R01	SCO R01				SCU R02				ZUFL R01a				100010				ABFL R02										
R	Kreisprofil		0.20/0.20																								
	HSO	295.890	HSU	294.760	ED	0	QV	83	QTU	0	VNACHT	0.12	DHKO	1.14	DHKU	1.92	QUX	43	QV-QUX	40							
	HGO	297.450	HGU	297.310	QH	0.00	VV	2.63	HTU	0.01	HNACHT	0.01	DHGO	-0.22	DHGU	-0.43	RG	T_30a_D6	QUX/QV	0.52							
	LE	22.32	JS	50.62	QG	0.00	AV	0.031	VTU	0.11	VNORM	0.45	HOX	1.34	HUX	2.12	OFK	Gewerbe	DHS	1.13							
	AEZ	0.03	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	297.23	WSUX	296.88	VUX	1.98	DWSX	-0.78							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_30a_D6		43		1.98		8				1.42		1.34		1.14		-0.22		2.22		2.12		1.92		-0.43		-0.78
R01a	SCO 100000				SCU R01				ZUFL				ABFL R01														
R	Kreisprofil		0.15/0.15																								
	HSO	295.950	HSU	295.890	ED	0	QV	5	QTU	0	VNACHT	0.04	DHKO	2.19	DHKU	1.17	QUX	33	QV-QUX	-28							
	HGO	298.450	HGU	297.450	QH	0.00	VV	0.29	HTU	0.01	HNACHT	0.01	DHGO	-0.16	DHGU	-0.24	RG	T_30a_D6	QUX/QV	6.50							
	LE	64.60	JS	0.93	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.07	HOX	2.34	HUX	1.32	OFK	Gewerbe	DHS	0.06							
	AEZ	0.12	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	298.29	WSUX	297.21	VUX	1.86	DWSX	1.02							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_30a_D6		33		1.86		38				2.34		2.34		2.19		-0.16		1.49		1.32		1.17		-0.24		1.02

R01NN01a	SCO 100005	SCU R01SE01	ZUFL	ABFL R01SE01
R Kreisprofil	0.15/0.15			
HSO 296.950	HSU 296.640	ED 0 QV 14	QTU 0 VNACHT 0.13 DHKO 0.94 DHKU 1.18	QUX 8 QV-QUX 6
HGO 297.900	HGU 297.860	QH 0.00 VV 0.77	HTU 0.00 HNACHT 0.00 DHGO 0.14 DHGU 0.11	RG T_30a_D6 QUX/QV 0.60
LE 48.74	JS 6.36	QG 0.00 AV 0.018	VTU 0.13 VNORM 0.12 HOX 1.09 HUX 1.33	OFK Gewerbe DHS 0.31
AEZ 0.10	GAMMA 0.33	QF 0.01 KB 0.00080	DQT 0.0 DRUECK 0.00 WSOX 298.04 WSUX 297.97	VUX 0.64 DWSX -0.24
REGEN	QUX	VUX QREGX	VSOX EOX HOX DHKO DHGO	EUX HUX DHKU DHGU DWSX
T_30a_D6	8	0.64 31	10.4 1.09 1.09 0.94 0.14	1.34 1.33 1.18 0.11 -0.24
R01SE01	SCO R01SE01	SCU 100010	ZUFL R01NN01a	ABFL 100010
R Kreisprofil	0.15/0.15			
HSO 296.640	HSU 296.030	ED 0 QV 14	QTU 0 VNACHT 0.08 DHKO 1.17 DHKU 1.24	QUX 15 QV-QUX -1
HGO 297.860	HGU 297.230	QH 0.00 VV 0.77	HTU 0.01 HNACHT 0.01 DHGO 0.10 DHGU 0.19	RG T_30a_D6 QUX/QV 1.11
LE 95.87	JS 6.36	QG 0.00 AV 0.018	VTU 0.09 VNORM 0.17 HOX 1.32 HUX 1.39	OFK Gewerbe DHS 0.61
AEZ 0.22	GAMMA 0.33	QF 0.02 KB 0.00080	DQT 0.0 DRUECK 0.00 WSOX 297.96 WSUX 297.42	VUX 0.85 DWSX -0.07
REGEN	QUX	VUX QREGX	VSOX EOX HOX DHKO DHGO	EUX HUX DHKU DHGU DWSX
T_30a_D6	15	0.85 70	50.4 1.33 1.32 1.17 0.10	1.41 1.39 1.24 0.19 -0.07

R02	SCO R02				SCU R03				ZUFL 100025				R01		R02SE01				ABFL R03										
R	Kreisprofil		0.20/0.20																										
	HSO	294.760	HSU	293.500	ED	0	QV	55	QTU	0	VNACHT	0.14	DHKO	1.77	DHKU	2.80	QUX	72	QV-QUX	-17									
	HGO	297.310	HGU	296.400	QH	0.00	VV	1.76	HTU	0.01	HNACHT	0.01	DHGO	-0.58	DHGU	0.10	RG	T_30a_D6	QUX/QV	1.30									
	LE	55.10	JS	22.87	QG	0.00	AV	0.031	VTU	0.12	VNORM	0.40	HOX	1.97	HUX	3.00	OFK	Gewerbe	DHS	1.26									
	AEZ	0.06	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	296.73	WSUX	296.50	VUX	2.30	DWSX	-1.02									
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU				DWSX
	T_30a_D6		72		2.30		18		9.6		2.15		1.97		1.77		-0.58		3.00		3.00		2.80		0.10				-1.02
R02SE01	SCO R02SE01				SCU R02				ZUFL				ABFL R02																
R	Kreisprofil		0.15/0.15																										
	HSO	296.000	HSU	294.760	ED	0	QV	16	QTU	0	VNACHT	0.05	DHKO	1.13	DHKU	1.97	QUX	20	QV-QUX	-4									
	HGO	297.110	HGU	297.310	QH	0.00	VV	0.89	HTU	0.01	HNACHT	0.01	DHGO	0.17	DHGU	-0.43	RG	T_30a_D6	QUX/QV	1.24									
	LE	143.94	JS	8.61	QG	0.00	AV	0.018	VTU	0.05	VNORM	0.19	HOX	1.28	HUX	2.12	OFK	Gewerbe	DHS	1.24									
	AEZ	0.26	GAMMA	0.33	QF	0.03	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	297.28	WSUX	296.88	VUX	1.11	DWSX	-0.84									
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU				DWSX
	T_30a_D6		20		1.11		81		31.8		1.28		1.28		1.13		0.17		2.14		2.12		1.97		-0.43				-0.84

R03	SCO R03								ZUFL 100055				100030	R02		ABFL Zul RRB																
R	Kreisprofil		0.30/0.30																													
	HSO	293.500	HSU	292.930	ED	0	QV	157	QTU	0	VNACHT	0.45	DHKO	2.70	DHKU	3.27	QUX	185	QV-QUX	-28												
	HGO	296.400	HGU	296.790	QH	0.00	VV	2.23	HTU	0.01	HNACHT	0.01	DHGO	0.10	DHGU	-0.29	RG	T_30a_D6	QUX/QV	1.18												
	LE	26.42	JS	21.57	QG	0.00	AV	0.071	VTU	0.44	VNORM	0.46	HOX	3.00	HUX	3.57	OFK	Gewerbe	DHS	0.57												
	AEZ	0.09	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	296.50	WSUX	296.50	VUX	2.62	DWSX	-0.57												
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX					
	T_30a_D6		185		2.62		28		10.2		3.00		3.00		2.70		0.10		3.57		3.57		3.27		-0.29		-0.57					
R04	SCO R04								SCU R05								ZUFL								ABFL R05							
R	Kreisprofil		0.15/0.15																													
	HSO	296.250	HSU	296.160	ED	0	QV	15	QTU	0	VNACHT	0.04	DHKO	0.79	DHKU	0.88	QUX	-2	QV-QUX	17												
	HGO	297.150	HGU	297.090	QH	0.00	VV	0.87	HTU	0.00	HNACHT	0.00	DHGO	0.04	DHGU	0.10	RG	T_30a_D6	QUX/QV	-0.13												
	LE	10.93	JS	8.23	QG	0.00	AV	0.018	VTU	0.04	VNORM	0.12	HOX	0.94	HUX	1.03	OFK	Gewerbe	DHS	0.09												
	AEZ	0.02	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.19	WSUX	297.19	VUX	0.19	DWSX	-0.09												
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX					
	T_30a_D6		-2		0.19		5		8.1		0.94		0.94		0.79		0.04		1.03		1.03		0.88		0.10		-0.09					

R05	SCO R05		SCU EB in GL 1				ZUFL R04		R05NN01		ABFL Zisterne 1						
R	Kreisprofil		0.15/0.15														
	HSO 296.160	HSU 296.000	ED	0	QV	13	QTU	0	VNACHT	0.06	DHKO	0.88	DHKU	1.12	QUX	4	QV-QUX 9
	HGO 297.090	HGU 297.110	QH	0.00	VV	0.72	HTU	0.00	HNACHT	0.00	DHGO	0.10	DHGU	0.16	RG T_30a_D6	QUX/QV	0.29
	LE 28.24	JS 5.67	QG	0.00	AV	0.018	VTU	0.07	VNORM	0.12	HOX	1.03	HUX	1.27	OFK Gewerbe	DHS	0.16
	AEZ 0.09	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 297.19	WSUX 297.27	VUX	0.31	DWSX	-0.23	
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX
	T_30a_D6	4	0.31	28	17.8	1.04	1.03	0.88	0.10	1.27	1.27	1.12	0.16				-0.23
R05NN01	SCO R05NN01		SCU R05				ZUFL		ABFL R05								
R	Kreisprofil		0.15/0.15														
	HSO 296.260	HSU 296.160	ED	0	QV	21	QTU	0	VNACHT	0.03	DHKO	0.78	DHKU	0.88	QUX	-3	QV-QUX 24
	HGO 297.160	HGU 297.090	QH	0.00	VV	1.16	HTU	0.00	HNACHT	0.00	DHGO	0.03	DHGU	0.10	RG T_30a_D6	QUX/QV	-0.15
	LE 6.90	JS 14.49	QG	0.00	AV	0.018	VTU	0.03	VNORM	0.08	HOX	0.93	HUX	1.03	OFK Gewerbe	DHS	0.10
	AEZ 0.01	GAMMA 0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX 297.19	WSUX 297.19	VUX	0.00	DWSX	-0.10	
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU				DWSX
	T_30a_D6	-3	-0.17	3	7.4	0.93	0.93	0.78	0.03	1.03	1.03	0.88	0.10				-0.10

R06	SCO R06				SCU 100055				ZUFL R07				KA01	R06RR01				ABFL 100055			
R	Kreisprofil				0.15/0.15																
	HSO	295.030	HSU	294.474	ED	0	QV	39	QTU	0	VNACHT	0.10	DHKO	1.85	DHKU	2.29	QUX	21	QV-QUX	18	
	HGO	297.000	HGU	297.030	QH	0.00	VV	2.21	HTU	0.01	HNACHT	0.01	DHGO	0.03	DHGU	-0.11	RG	T_30a_D6	QUX/QV	0.54	
	LE	10.75	JS	51.75	QG	0.00	AV	0.018	VTU	0.10	VNORM	0.44	HOX	2.00	HUX	2.44	OFK		DHS	0.56	
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.01	WSOX	297.03	WSUX	296.92	VUX	1.18	DWSX	-0.45	
	REGEN				QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU	DWSX				
	T_30a_D6				21	1.18	0	0.3	2.06	2.00	1.85	0.03	2.49	2.44	2.29	-0.11	-0.45				

R06RR01	SCO EB in GL 2				SCU R06				ZUFL EB in GL 2				Zisterne 1				ABFL R06										
R	Kreisprofil				0.15/0.15																						
	HSO	295.860	HSU	295.030	ED	0	QV	19	QTU	0	VNACHT	0.10	DHKO	1.28	DHKU	1.90	QUX	17	QV-QUX	2							
	HGO	297.240	HGU	297.000	QH	0.00	VV	1.06	HTU	0.01	HNACHT	0.01	DHGO	0.05	DHGU	0.08	RG	T_30a_D6	QUX/QV	0.90							
	LE	67.96	JS	12.21	QG	0.00	AV	0.018	VTU	0.09	VNORM	0.23	HOX	1.43	HUX	2.05	OFK	Gewerbe	DHS	0.83							
	AEZ	0.13	GAMMA	0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.29	WSUX	297.08	VUX	0.95	DWSX	-0.62							
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX
	T_30a_D6		17		0.95		41		7.0		1.44		1.43		1.28		0.05		2.10		2.05		1.90		0.08		-0.62

R07	SCO R07				SCU R06				ZUFL R07RR01						ABFL R06					
R	Kreisprofil		0.12/0.12																	
	HSO 295.290	HSU 295.030	ED	0	QV	9	QTU	0	VNACHT	0.05	DHKO	1.80	DHKU	1.93	QUX	7	QV-QUX	2		
	HGO 297.090	HGU 297.000	QH	0.00	VV	0.76	HTU	0.01	HNACHT	0.01	DHGO	0.13	DHGU	0.08	RG	T_30a_D6	QUX/QV	0.77		
	LE 32.72	JS 7.95	QG	0.00	AV	0.012	VTU	0.04	VNORM	0.16	HOX	1.93	HUX	2.05	OFK	Gewerbe	DHS	0.26		
	AEZ 0.04	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.22	WSUX	297.08	VUX	0.59	DWSX	-0.13		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX		
	T_30a_D6	7	0.59	13	6.7	1.93	1.93	1.80	0.13	2.06	2.05	1.93	0.08					-0.13		

R07RR01	SCO R07RR01				SCU R07				ZUFL						ABFL R07					
R	Kreisprofil		0.12/0.12																	
	HSO 295.710	HSU 295.290	ED	0	QV	11	QTU	0	VNACHT	0.12	DHKO	1.48	DHKU	1.80	QUX	5	QV-QUX	6		
	HGO 297.210	HGU 297.090	QH	0.00	VV	0.91	HTU	0.00	HNACHT	0.00	DHGO	0.11	DHGU	0.13	RG	T_30a_D6	QUX/QV	0.46		
	LE 36.94	JS 11.37	QG	0.00	AV	0.012	VTU	0.13	VNORM	0.14	HOX	1.61	HUX	1.93	OFK	Gewerbe	DHS	0.42		
	AEZ 0.08	GAMMA 0.33	QF	0.01	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.32	WSUX	297.22	VUX	0.77	DWSX	-0.32		
	REGEN	QUX	VUX	QREGX	VSOX	EOX	HOX	DHKO	DHGO	EUX	HUX	DHKU	DHGU					DWSX		
	T_30a_D6	5	0.77	26	10.3	1.61	1.61	1.48	0.11	1.94	1.93	1.80	0.13					-0.32		

Zisterne 1	SCO EB in GL 1				SCU EB in GL 2				ZUFL R05				100045				ABFL R06RR01													
R	Kreisprofil		0.15/0.15																											
	HSO	296.000	HSU	295.860	ED	0	QV	19	QTU	0	VNACHT	0.12	DHKO	1.12	DHKU	1.28	QUX	7	QV-QUX	12										
	HGO	297.110	HGU	297.240	QH	0.00	VV	1.06	HTU	0.00	HNACHT	0.00	DHGO	0.16	DHGU	0.05	RG	T_30a_D6	QUX/QV	0.37										
	LE	11.47	JS	12.21	QG	0.00	AV	0.018	VTU	0.11	VNORM	0.19	HOX	1.27	HUX	1.43	OFK	Gewerbe	DHS	0.14										
	AEZ	0.04	GAMMA	0.33	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	297.27	WSUX	297.29	VUX	0.58	DWSX	-0.16										
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX			
	T_30a_D6		7		0.58		12		11.0		1.27		1.27		1.12		0.16		1.43		1.43		1.28		0.05		-0.16			
Zul RRB																														
											ZUFL 100065										ABFL 100065									
R	Kreisprofil		0.10/0.10																											
	HSO	292.930	HSU	292.875	ED	0	QV	4	QTU	0	VNACHT	0.32	DHKO	0.08	DHKU	-0.01	QUX	6	QV-QUX	-2										
	HGO	296.790	HGU	296.790	QH	0.00	VV	0.48	HTU	0.02	HNACHT	0.01	DHGO	-3.68	DHGU	-3.82	RG	T_30a_D6	QUX/QV	1.59										
	LE	12.49	JS	4.36	QG	0.00	AV	0.008	VTU	0.31	VNORM	0.28	HOX	0.18	HUX	0.09	OFK		DHS	0.05										
	AEZ	0.00	GAMMA	0.00	QF	0.00	KB	0.00080	DQT	0.0	DRUECK	0.00	WSOX	293.11	WSUX	292.97	VUX	0.85	DWSX	0.08										
	REGEN		QUX		VUX		QREGX		VSOX		EOX		HOX		DHKO		DHGO		EUX		HUX		DHKU		DHGU		DWSX			
	T_30a_D6		6		0.85		0		0.21		0.18		0.08		-3.68		0.13		0.09		-0.01		-3.82		0.08					

100065

SCU 100070

ZUFL Zul RRB

ABFL

R REGEN T_30a_D6
FREIER AUSFL

T	QO	HU
0	0	0.01
5	5	0.07
10	6	0.08
15	6	0.08
20	6	0.08
25	6	0.08
30	6	0.08
35	6	0.08
40	6	0.08
45	6	0.08
50	6	0.08
55	6	0.08
60	6	0.08
65	6	0.08
70	6	0.08
75	6	0.08
80	6	0.08
85	6	0.08

90	6	0.08
95	6	0.08
100	6	0.08
105	6	0.08
110	6	0.08
115	6	0.08
120	6	0.08

Auslauf

SCU Auslauf_RRB

ZUFL

ABFL

R REGEN T_30a_D6

FREIER AUSFL

T	QO	HU
0	0	0.00
5	0	0.00
10	0	0.00
15	0	0.00
20	0	0.00
25	0	0.00
30	0	0.00
35	0	0.00
40	0	0.00
45	0	0.00

50	0	0.00
55	0	0.00
60	0	0.00
65	0	0.00
70	0	0.00
75	0	0.00
80	0	0.00
85	0	0.00
90	0	0.00
95	0	0.00
100	0	0.00
105	0	0.00
110	0	0.00
115	0	0.00
120	0	0.00

Zul RRB

ZUFL R03

ABFL 100065

ARHB 100.0 SRHB 292.930

HGO 296.790

BECKEN

REGEN T_30a_D6

T	H	VOL	QZU	QAB
0	0.00	0.0	0	0
5	0.00	0.2	6	6
10	0.13	13.1	49	6
15	0.47	47.3	120	6
20	1.01	101.0	185	6
25	1.45	144.7	152	6
30	1.81	181.1	128	6
35	2.11	211.4	107	6
40	2.38	237.8	94	6
45	2.61	261.3	84	6
50	2.82	282.3	76	6
55	3.01	301.2	69	6
60	3.18	318.2	63	6
65	3.31	330.9	49	6
70	3.41	340.6	38	6
75	3.47	347.4	29	6

80	3.51	351.5	20	6
85	3.54	353.8	14	6
90	3.55	355.2	11	6
95	3.56	355.9	9	6
100	3.56	356.4	8	6
105	3.57	356.6	8	6
110	3.57	356.6	6	6
115	3.57	356.6	6	6
120	3.57	356.5	6	6

100065

ZUFL Zul RRB

ABFL Zul RRB

HAUS 0.000 HEIN 0.000 Q0 6 H0 5.00 MUE 0.75

PUMPE

REGEN T_30a_D6

T	Q	HMAN	P	H
0	0	0.02	0.00	0.00
5	6	0.17	0.01	0.00
10	6	0.06	0.00	0.13
15	6	0.00	0.00	0.47
20	6	0.00	0.00	1.01
25	6	0.00	0.00	1.45
30	6	0.00	0.00	1.81
35	6	0.00	0.00	2.11
40	6	0.00	0.00	2.38
45	6	0.00	0.00	2.61
50	6	0.00	0.00	2.82
55	6	0.00	0.00	3.01
60	6	0.00	0.00	3.18
65	6	0.00	0.00	3.31
70	6	0.00	0.00	3.41
75	6	0.00	0.00	3.47

80	6	0.00	0.00	3.51
85	6	0.00	0.00	3.54
90	6	0.00	0.00	3.55
95	6	0.00	0.00	3.56
100	6	0.00	0.00	3.56
105	6	0.00	0.00	3.57
110	6	0.00	0.00	3.57
115	6	0.00	0.00	3.57
120	6	0.00	0.00	3.57

V O L U M E N N A C H W E I S

REGEN	ZEIT	UEBERNOMMEN	EINZUGSGEBIET	UEBERGEBEN	IM NETZ	OBERFLAECHE	ABWEICHUNG
	T (MIN)	QUE*DT (M3)	QEI*DT (M3)	QAB*DT (M3)	VOL (M3)	VSO (M3)	DVOL (%)
T_30a_D6	0	0.0	0.1	0.1	0.3	0.0	1.1
	5	0.0	3.9	1.5	2.6	0.0	0.0
	10	0.0	25.9	1.8	26.8	0.0	0.0
	15	0.0	66.6	1.8	87.2	4.3	0.0
	20	0.0	217.5	1.8	158.4	148.8	0.0
	25	0.0	110.0	1.8	200.5	214.8	0.0
	30	0.0	74.7	1.8	236.0	252.2	0.0
	35	0.0	57.4	1.8	265.9	277.9	0.0
	40	0.0	47.1	1.8	292.4	296.7	0.0
	45	0.0	40.2	1.8	316.1	311.3	0.0
	50	0.0	35.2	1.8	337.4	323.3	0.0
	55	0.0	31.4	1.8	356.8	333.5	0.0
	60	0.0	28.4	1.8	374.3	342.6	0.0
	65	0.0	14.2	1.8	385.2	344.0	0.0
	70	0.0	7.7	1.8	392.7	342.4	0.0
	75	0.0	4.2	1.8	398.1	339.3	0.0
	80	0.0	2.2	1.8	401.2	336.5	0.0
	85	0.0	1.0	1.8	403.0	333.9	0.0

90	0.0	0.3	1.8	404.0	331.3	0.0
95	0.0	0.2	1.8	404.7	328.9	0.0
100	0.0	0.1	1.8	405.1	326.7	0.0
105	0.0	0.1	1.8	405.2	324.5	0.0
110	0.0	0.1	1.8	404.9	323.0	0.0
115	0.0	0.1	1.8	404.7	321.5	0.0
120	0.0	0.1	1.8	404.6	320.0	0.0

I T E R A T I O N S - U E B E R S I C H T

VORGEGEBENE MAXIMALE NETZITERATIONSZAHL	ITERN =	500
VORGEGEBENE MAXIMALE KNOTENITERATIONSZAHL	ITERK =	20
ABBRUCHSCHRANKE FÜR HOEHENGENAUGKEIT	DHZUL =	0.0040 M
ABBRUCHSCHRANKE FÜR DURCHFLUSSGENAUIGKEIT	DQZUL =	0.005
ABBRUCHSCHRANKE FÜR KNOTENITERATION	FNORM =	10E-3
RELAXATIONSPARAMETER RUECKRECHNUNG	RELB =	0.25
RELAXATIONSPARAMETER VORRECHNUNG	RELF =	0.20

REGEN	T	ITA	ITI	ELEMENT	DQX	HALTUNG	DHX	ELEMENT
T_30a_D6								
	0	1	1	R01NN01a	0.000	100065	0.001	100055
	5	15	1	R01NN01a	0.000	Zul RRB	0.003	Zul RRB
	10	32	1	R01NN01a	0.000	R03	0.003	R02
	15	54	1	R01NN01a	0.000	100010	0.003	R07RR01
	20	63	1	R01NN01a	0.000	100010	0.004	100020
	25	48	1	R01NN01a	0.000	100010	0.001	R01SE01
	30	35	1	R01NN01a	0.000	R03	0.003	R06
	35	32	1	R01NN01a	0.000	R03	0.003	100030
	40	31	1	R01NN01a	0.000	R03	0.004	100030
	45	31	1	R01NN01a	0.000	R03	0.003	100055
	50	29	1	R01NN01a	0.000	R03	0.004	100030
	55	29	1	R01NN01a	0.000	R03	0.004	100055

60	28	1	R01NN01a	0.000	R03	0.004	100030
65	26	1	R01NN01a	0.000	R03	0.004	100030
70	24	1	R01NN01a	0.000	R03	0.004	100030
75	20	1	R01NN01a	0.000	R03	0.003	100030
80	18	1	R01NN01a	0.000	R03	0.004	R05NN01
85	18	1	R01NN01a	0.000	R03	0.003	R05NN01
90	15	1	R01NN01a	0.000	R03	0.004	R05NN01
95	11	1	R01NN01a	0.000	R03	0.004	R05NN01
100	7	1	R01NN01a	0.000	R03	0.004	R05NN01
105	1	1	R01NN01a	0.001	R03	0.004	R04
110	18	1	R01NN01a	0.000	R03	0.004	R01NN01a
115	12	1	R01NN01a	0.000	R01SE01	0.004	R01NN01a
120	11	1	R01NN01a	0.000	R01SE01	0.003	R01NN01a

B E L A S T U N G S P L A N

BELASTUNG			FARBE
0.00	BIS	1.00	GRUEN
1.01	BIS	1.50	GELB
1.51	BIS	2.50	ORANGE
2.51	BIS	4.00	ROT
UEBER			4.00
			BLAU

DIE FARBEN WURDEN AUF GRUND DER UNGUENSTIGSTEN WERTE

QUX/QV

DES ERSTEN UND JEDEN WEITEREN REGENS MIT DER GLEICHEN HAEUFIGKEIT ERMITTELT.

TEILFUELLUNG IST DURCH EIN STERNCHEN VOR DER FARBANGABE GEKENNZEICHNET.

HALTUNG	FARBE		I	HALTUNG	FARBE		I	HALTUNG	FARBE		I	HALTUNG	FARBE	
-----I-----I-----I-----														
100010	R	ROT	I	100060	R	GRUEN	I	R01NN01a	R	GRUEN	I	R05NN01	R	GRUEN
100020	R	GRUEN	I	100065	R	* GELB	I	R01SE01	R	GELB	I	R06	R	GRUEN
100025	R	GRUEN	I	Auslauf	R	* GRUEN	I	R02	R	GELB	I	R06RR01	R	GRUEN
100030	R	ORANGE	I	EB in GL 2	R	GRUEN	I	R02SE01	R	GELB	I	R07	R	GRUEN
100045	R	GRUEN	I	KA01	R	GRUEN	I	R03	R	GELB	I	R07RR01	R	GRUEN
100050	R	GRUEN	I	R01	R	GRUEN	I	R04	R	GRUEN	I	Zisterne 1	R	GRUEN
100055	R	ORANGE	I	R01a	R	BLAU	I	R05	R	GRUEN	I	Zul RRB	R	ORANGE