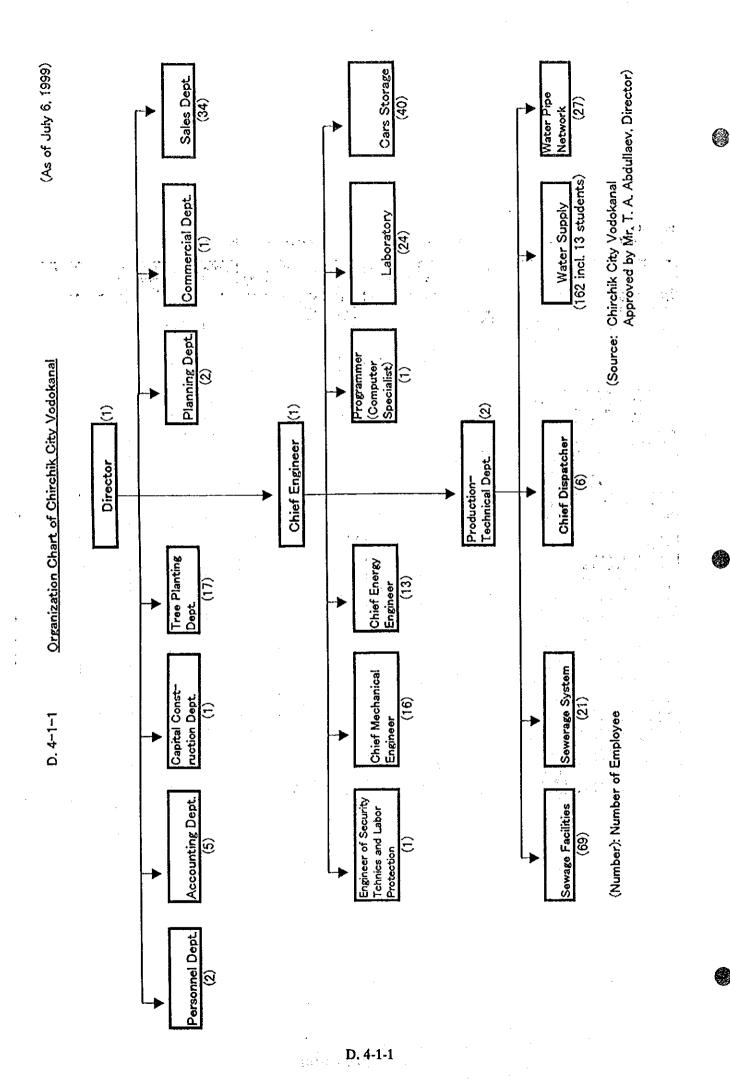


kind of service	<u> </u>	1m² of	hot water per	co	d water	Was	le water	ordini	ry gas	1 kg of	electricity	rights to use
	Ì	heat!ng	1 person	1m	1 person		i person	10m	1 person			im <sup>2</sup> of dwelling
occasion	υnit	•			(8.1 m <sup>3</sup> )	5.20	(11.7m <sup>-</sup> )			028	po po	speces
Total services on 31.12.91	rubles	0.07	1.00	0.04	0.32	0.02	021	0.50	0.45	0.10	0.15	0.13
State committee prices # 4/1 of 9.01.92	rubies	0.14	2.00	0.08	0.65	0.04	0.42		1 ""		0.30	0.198
Resolution of Ministry of Finance # 24/16 of 14:06:92	rubies			0.50	4.05			1.00	0.90	3.00		0.130
Resolution of Cabinet of Ministers of 16.10.92	rubles	0.70	10.00			A V		1.50			200	
Resolution of Cabinet of Ministers dated			i i	₹			98		""	l	***	
from 1.06.93	SUIT!-	1.40	20.00	1.00	8.10	0.60	6 32	3.00	2.70	45.00	5.00	
from 20.09.93	coopons	3.00	42 80		16.20	1.50	15 80	5.00				
Price list 02-04-89 of 28.01.94				20,00	162.00	15.00	158.00	15 00				
Price list 15-04 of 28.01.94	•	43.00	420.00		\$ 250 N. N. N.		No.		10.00	1	30.00	
cision of governor # 125 of 25.04.94				3.5		100 € 100 €	11.52					242.08
, rice list of Ministry of Finance of 1,06,94	٠.	1		1 XX			100	35.00	31.50		100 00	272.00
PRECALCULATION TO THE SUM	sum	0.04	0.42	0.02	0.16	0.015	0.16	0.04	0.04	0.18	0.20	0.24
Decision of governor # 292 of 21,10.94	٠.			565	146	1500	1,5,7,5,5			*."	3.20	0.38
Price list of 1.10.94	٠.			100	機構製	274	13 117.8	0.15	0.14	0.65		0.50
Decision of governor # 273 of 30.09.94	٠.	[	į	31.	Service N	25.1	(5) 50		J. 17	"~	0.50	
Decision of governor #6 of 7.01.95		i i		0.16	1,30	0.10	1.05	- 1		<b>!</b>	4.00	
Decision of governor # 12 of 12.01,95	. I				100	38.5				ł	2.00	
Decision of governor # 21 of 31.01.95		0.86	8.40	1.25	6.97.1	漢言				•	2.00	
Decision of governor # 21 of 17.03.95				P. V.	\$1,000	28.3				1		1.21
Price list of Ministry of Finance of 5,04,95	۸.						1.	0.30	0.27	3.50		1.21
Decision of governor # 126 of 12.05.95				100	11.50	North	13 24 1		V.2.	1 0.00	3.00	
Decision of governor # 201of 4.09.95				10024	10 February	40.5	SEQ. 9				3.40	2.35
Price list of Ministry of Finance of 1,10,95	<i>.</i> •.			<b>377</b>		3.3	45.52	0.75	0.68	4.00		2.00
Decision of governor # 44 of 6.02.96				0.80	6.48	0.80	8.42	00	0.00	7.00		
Decision of governor # 69 of 6.03.96				320							5.00	-
Price list of Ministry of Finance of 1,04,96	Α.			12.15		- N. J.	图 24	2.25	2.03		3.00	
Decision of governor # 209 of 2.05.96	۸.			A 45	為經濟性	*\$		2.10	. 2.00		6.00	2.65
Price list of Ministry of Finance of 1.08.96				347		130	<i>3.7</i>	2.41	2.17	4.00	0.00	2.00
Decision of governor # 210 of 7,10,96		1.00	18.00		North Control	100		2.41	6.17	7.00		
Price list of Ministry of Finance of 1.12.96			10.00	10 6 5 1 10 6 5 1	16.36	3		4.66	4.19	4.00		*
Decision of governor # 287 of 30,12.96				8				7.00	9.14	1.50		3.44
Decision of governor # 1 of 03.01.97	.*.			1	的影響	3.4			-	1.50	7.00	3.44
Decision of governor # 68 of 12.03.97				4.30	3371311						8.00	
Decision of governor # 82 of 26.03.97				1.00	8.10	1.00	10.53				8.00	
Decision of governor # 83 of 28,03.97	٠.	2.00	50.00		14 Sept.	11.1						
Decision of governor # 162 of 1.07.97			""	200		1.7	SXV	- 1			9.00	
Decision of governor # 183 of 21.07.97			l	#X.		4. **.					10.00	
Trice list of Ministry of Finance of 1,08.97	•			悉打	音響響響	1975 1975		13 98	12.57		10.00	
cision of governor # 259 of 4.12.97	٠.								12.31			4.79
Decision of governor # 14 19.01.98			· !		發展影響	28.0		l			12 60	4.13
Decision of governor # 92 of 23.04.98			:			1100					15.00	
Decision of governor # 131of 3.06.98	٠.	3.00	60.00		AX889.	(8)33	148.55	ļ			.5.00	
Decision of governor # 130 of 3.06.98	,•.	5.40	33.34	1.50	12.15	1.50	17.55	1				
Price list of Ministry of Finance of 30,06,98	٠.		l				````	27.95	25.16			
Decision of governor # 175 of 4.08.98				1.45					£ J. 10		20.00	
Decision of governor # 180 of 13.08,98		4.50	90.00	變到			1	I	, [		20.00	
Decision of governor # 185 of 15.08.98		1.00	33.33					į	· ·			5.97
Decision of governor # 187 of 24.08.98	.		ł	2 25	18 22	2 25	26,32	- 1				J.31
Decision of governor # 184 of 14.06.99	۸.	į		3.00	24.30	3.00	35.10	i				

(Received from TCMA Tashkent Province)



**D.4.4** Present Situation of Computerization

**D.4.4.2** Tariff Collection Procedures

(1) Sample Lists

0

KEP 4	I.4.1 Contract
	CONTRACT No.
" <u>"</u>	1999 Chirchik city
"Prov water and "User	Suvokova" on behalf of its director, Mr. T.A. Abdullaev, hereinafter referred to as a ider", acting in accordance with Charter and Regulations on use of communal supply systems and drainage systems of the Republic of Uzbekistan from one part,
	<ol> <li>SUBJECT OF CONTRACT ne subject of this contract is a providing of drinking water conformable to state andards, collection and purification of sewage.</li> <li>RESPONSIBILITIES AND RIGHTS OF "PROVIDER"</li> </ol>
2.1.	"Provider" is obliged to provide to "User" the drinking water at amount ofm3/year,m3/month,m3/day, sewage collection at
	amount ofm3/year,m3/month,m3/day.
2.2.	To prevent and to eliminate the damages of water supply and sewer systems
2.3.	To conduct the supervision on conditions and exploitation of water and sewerage
	networks connected to communal water supply and drainage systems.
2.4.	To struggle with leakage and irrational water consumption.
2.5.	To control the observance of order and limit of consumption of drinking water.
2.6.	"Provider" has a right to stop the water supply and sewage collection completely
	or partially, with preliminary notification of "User", in following cases:
	<ul> <li>Unsatisfactory technical condition of water and sewerage networks and facilities, attended and balanced by "User", and non-fulfillment of "Provider"</li> </ul>

requirements on elimination of infractions of technical exploitation.

Prohibition for authorized body of "Provider" in inspection of "User" water meter unit, water and sewerage networks and facilities for the purpose of control and meter reading, sealing, adjustment of water consumption by overexpenditure of prescribed limit and fulfillment of other activities at any time.

- Conduction by "Provider" of planned preventive repairs and works on maintenance of water and sewerage networks and facilities.
- Definition of self-dependent connection of "User" to communal water supply and sewerage systems.
- Instructions and prescriptions by Khokimiyat, higher organs, State Nature Committee and State authority on regulation of water usage and conservancy.
- Non-fulfillment by "User" of terms of this contract or application on prescribed limit on water supply and non-observance of terms on volume and contains of sewage water.
- 2.7. "Provider" has a right to stop the water supply without preliminary notification of "User" in cases of:
  - natural calamities
  - accidents
  - necessity to increase the water supply to the places of conflagration
  - discontinuance of "Provider" power supply.
- 2.8. In case of complete discontinuance of water supply in settlements and separate districts, not depending on reasons, caused it, in general actions, taken by Khokimiyat, "Provider" has a right to solve the problem of providing the temporary water supply to population right up to water supply renewal.

# 3. RESPONSIBILITIES AND RIGHTS OF "USER"

- 3.1. "User" is obliged to provide the suitable security and exploitation of communal water and sewerage networks and facilities, situated on his territory and balance, to prohibit the storing of different things above the water network and facilities and to inform "Provider" about all shown damages and disrepair.
- 3.2. To do not exceed the contain and concentration of sewage water:

1.	Suspended matter	mg/cub.dr
2.	BPK	mg/cub.dm
3.	HPK	mg/cub.dm
4.	N-NH	mg/cub.dm
5.	N-NO	mg/cub.dm
6.	N-NO	mg/cub.dm
7.	Chlorides	mg/cub.dm
	Sulfates	mg/cub.dm
	Solid	mg/cub.dm

Payment is imposed, due to the price list, for exceeding of concentration of sitedabove components. The sewing of non-mentioned components is prohibited.

- 3.3. To install and to procure the water meters.
- 3.4. To read meter and to pay correctly and in proper time.

- 3.5. To do not permit the water and sewage over-expenditure in excess of norms, established by this contract.
- 3.6. To control the water consumption by sub-users and to take actions on decrease of all kinds of water losses.
- 3.7. "User" shall attach the technical documents for water-pipe and sewerage to the present contract.
- 3.8. "User" has a right to claim the violation by "Provider" his responsibilities.

3.9. "User" has a right to receive from "Provider" the information on Regulations on use of communal water supply and drainage systems.

# 4. ORDER AND PAYMENT FOR RENDERED SERVICES.

- 4.1. Settlements with "Users" are carried out due to the tariffs, established by current legislation on payment orders.
- 4.2. "User" shall prepay not less than 15% of monthly norm of water consumption and sewerage.
- 4.3. "User" shall pay for rendered services until the 30-th day of every month.
- 4.4. For untimely payment "User" will be imposed the 0.5% fine of debt amount per each overdue day, but at the most of 50% of overdue payment amount.
- 4.5. In case of non-providing the constant water supply (except the cases, indicated in item 2.5. of present contract) without preliminary notification, "User" has a right to conduct the re-calculation with "Provider" with a reduction of agreed price (tariff) up to 0.5%.
- 4.6. In case of water consumption and sewage exceeding "User" shall pay a fivefold fine per 1m3 of drinking water and double fine per sewage.
- 4.7. "User" has a right to require the reimbursement of losses, caused by cases provided in item 4.5. (in the presence of statement of losses, signed by both parties) at amount of fivefold fine for sewage.
- 4.8. For lack of water meters the settlement of supplied water and sewage is conducted due to pipe sections for calendar days.
- 4.9. "User" shall officially inform "Provider" about the rejection of water supply and sewerage services 3 months before.

# 5. LIABILITY OF PARTIES

5.1. For violation of responsibilities, prescribed by present contract, parties shall be accounted in accordance with current legislation.

# 6. FORCE-MAJEUR

6.1. Parties shall not be responsible for complete or partial non-fulfillment of any agreed responsibilities, if this fulfillment will be caused by natural calamities (flood, conflagration, earthquake etc.), embargo, war or military operations, happened after the conclusion of this contract.

# 7. PERIOD OF VALIDITY

- 7.1. This contract comes into effect from the day of signing and is valid until December 31, 2002.
- 7.2. This contract considered to be extended if 3 months before the end of validity the application on refusal, retrial or addendum of this contract was not received from any party.

# 8. OTHER TERMS

- 8.1. In case of disputes on fulfillment of present contract arisen between the parties, parties shall take appropriate measures for settlement of these disputes by means of negotiations.
- 8.2. Parties shall act in all situations, not indicated by present contract, in accordance with current legislation of the Republic of Uzbekistan.
- 8.3. Present contract is compiled in duplicate with an equal legal force.

# 9. JURIDICAL ADDRESSES

"PROVIDER" 702100, Chirchik, Vokzalnaya str.,1		"USER"	
PA "Suvokova"			
B/a 20210000000135227002			
Chirchik branch	•		
MFO 00478			

医多数原理 医多角囊丛丛

and the control of the second of the second

# A KT

				<u>.;-                                     </u>
We, the undersigned representative of	'Suvokova"	of		district
Mr.	and represe	entative of c	ustomer	district,
+1		;		
Mr diameter ;	_ , have mad	de this Act	to confirm	n that water
on the date " " , 199	adoress			
has the reading:	. last re	adine:	•	
has the reading:  Consumption of water for estimated per Sewage collection	iod			
Note			*	5
The Act hereof is made in 2 copies		, .		•
Representative of "Suvokova"				
Representative of customer				

# REF 4.4.3 Payment Order

Calculation Table:

Subdivisions	Volume	Amount	Volume of	Amount	VAT	Total
	of water	without VAT	sewerage	without VAT		with VAT
Drug stores	2	46.8	2	10.5	11.5	68.8
TOTAL	0	46.8		10.5	11.5	68.8
amount of settlements	. 0					
amount of over-allowed consump.	0					
over-limit and leakage	0					
prepayment of current month	0					
prepayment of next month	Ò					
penalty for 0 days	0					
TOTAL to payment	68.76					

WITHOUT ACCEPTANCE
PAYMENT ORDER NO. 73

IDENT. NO. 200941730

DATE: 20.08.99

Payer: DARIDARMON Tashob State Open-Type enterprise

**DEBIT** 

Payer's account 2021000000128645001

AAAAA

Payer's bank:

UzJSB CHIRCHIK

00478

**AMQUNT** 

68.76

Beneficiary: Prod. Enterp. "SUVOKOVA"

**CREDIT** 

Beneficiary's account 20210000800135227001

AAAAA

Beneficiary's bank: UzJSB CHIRCHIK

00478

Amount in letters

Sixty Eight Soum 076 tiyin

Payment detail: Agreement No.270 dd. 16.05.96 for water from 15.07.99 to 15.08.99 ecree of RU dd. 26.01.96 No.170,

item 3.5 of the Agreement

SIGNATURES OF BENEFICIARY

CHIEF ACCOUNTANT BANK

CHECKED

**APPROVED** 

Performed by banK

SEAL

# **REF 4.4.4 Invoice**

# Invoice #318

	Date:	August 21st, 1999
Supplier: Chirchik Pr	oduction Board "Suvokova"	Consumer: TekhTa'minlash
Address: 1, Vokzalna		Address:
Telephone 21	716	Telephone:
Bank Account	20210000800135227001	Bank Account 2028 0003 02273 471001
Bank	UZGSB in Chirchik	Bank UZGSB in Chirchik
INN 200941730		INN

Services	Volume	Price		VAT exclude	VAT		Total amount
	ļ				%	Amount	VAT include
water	296		23.40	6926.40	20%	1385.28	8311.68
sewerage	296		5.25	1554.00	20%	310.80	1864.80
total				8480.40		1696.08	10176.48
prepayme	ent						0.00
	prepayment						0.00
	prepayment for	the next month					0.00
	offset						0.00
	overlimit and le	akage					27424.80
	fine for 0 days	-					0.00
	Total amount of	payment					37601.28

Amount of money (in UZ Thirty thousands six hundred one Uzbek SUM twenty eight TIN

Mr. Norbaev B., Cjief of Water Sale Department

Mr. Khvan E.G., Chief Accountant

Received by

Name, Family name (Signature)

# REF 4.4.5 Bank Statement

00478 Chirchik town, Chirchik branch of "Uzjilsberbank" Issued: 16.08.1999 Bank statemen

Bank statement for 16.08.1999

1.7

Executor:

PB "SUVOKOVA"

Last transaction: 13.08.1999

Balance: beginning of the day

Balance: end if the day

Account:

Liability Liability

No. Account		Document No.	I VO	Code MFO	Dality	
	7.0000111	Document No.	VO	Code MrO	Debit	Credit
j		1.				
- 1		· ·	1		i	
1		· ·	i			
ı						
i		]				
		]		l í		
		·	}			
				[ ]		
		i i		1 1		
			L			

# **REF 4.4.6 Bank Statement**

Electronic payment order No.53

Payer: Zhilsberbank-12 Public services

Payer's account: Payer's Bank: Payer's Bank code:

Amount: 404,30

Beneficiary's name: PB "SUVOKOVA"

Beneficiary's account: Beneficiary's Bank Beneficiary's Bank code

Amount in words: Four Hundred Four Soum and thirty tiyin

Detail of payment:

Seal Head:

Chief Accountant

Checked: Approved:

Issued:

# **REF 4.4.7 Information**

Information on income as of 1998, Chirchik city, PU Suvokova

	UNIT	
Total volume of water provided to users	thousand m3	31062
including population	thousand m3	22337
budjet organizations	thousand m3	4685
other	thousand m3	4040
Income to be paid	thousand soum	186418.9
including population	thousand soum	31365
budjet organizations	thousand soum	68502.4
other	thousand soum	86551.5
Real income	thousand soum	175865.7
Including from population	thousand soum	33269,8
from budjet organizations	thousand soum	42127.2
from other	thousand soum	100468.7

N.I. Tegai

# **REF 4.4.8 Account Receivable**

# ACCOUNTS RECEIVABLE

of the Chirchik Production Board "SUVOKOVA" as of 1.08.99

of the Chirchik Production DC	alu goro	NOVA as Ul I.	00.00
Name of organization	overdue	current	total
"Electro-chemical Industry" assoc.		4,196.20	4,196.20
Uzbek Complex of Refractory Materials		2,230.00	2,230.00
Municipal enterp, for Heating & Power		2,374.90	2,374.90
GAS. VODOKANAL		967	967
GORONO (City National Educ. Dept )		6,574.20	6,574.20
Gorzdrav (City territorial Medical Assoc.)		4,996.60	4,996.60
Blood Transfusion Clynics		62.5	62.5
Drug Addiction Treatment Dispenser		204	204
SES (Sanitary Epidemiological Station)		69	69
Culture Dept. (libraries)		26.7	26.7
Culture Dept (music)		159.5	159.5
Hokimiyat (Mayor's Office)		194	194
GOVD (City Interior Affairs Dept.)	-	165.6	165.6
Medical College		220.9	220.9
College		170	170
Boarding School		317.8	317.8
Children's Home		96.7	96.7
Vocational school No.1		149	149
RUOR (Repub. Board of Olympic Reserve)	*	109.3	109.3
ChLLP (Chirchik Light Industry Lyceum)	\$	42.5	42.5
College		177.2	177.2
Chirchik Industrial School		74.9	74.9
GNI (State Tax Inspection)	,	17.6	17.6
Justice Board	· *	3.8	3.8
Legal Medical Expertise		24.6	24.6
TOTAL:	<u></u>	23,624.50	23,624.50

Director of "SUVOKOVA"

T.Abdullayev

# **REF 4.4.9 Table of Debtors**

# CHIRCHIK "VODOKANAL"

SUMMARY TABLE OF DEBTORS FOR III QUARTER. CONTROLLER DIYANOVA APT. 5

Flat	Name	debt for last	charged	paid	debt
		period	for quarter	for quarter	
1	2	3	4	5	6
4-5		162	216	162	216
6		404.2	432	324	512.2
7		-648	324		-324
8		-36.2	108	99	, -27.2
9		-324.8	432	-	107.2
10		161.6	216	144	377.6
11		17.6	216	243	89.6
12		-0.6	324	160	80.4
13		13.6	216		69.6
14		-325.4	162	216	-163.4
15		-0.4	216	486	-0.4
16		-660	162	864	-984
17		-0.8	432		-432.8
18	• • • • • • • • • • • • • • • • • • • •	-567	243		-324
19	<u> </u>	-12.6	864		851.4
20		-441.8	162		-279.8
21		645.6	864		1,509.60
22		324	432	972	-216
23		784.6	216		1,000.60
24					
25		71.4	108	216	-36.6
26		108		252	288
27		-372.2	162		-210.2
- 28		149.6	216	378	-12.4
29		-71.28		151	-71.08
30		-108.2	302.4	306	-111.8
TOTAL	Ļ	-727.08	7608.6	4973	1908.52

# REPUBLIC OF UZBEKISTAN

Printing Division of Executive Body of Khokim of Tashkent City

1

# CHIRCHIK CITY PRINTING HOUSE

Chirchik, Tashkent region, A. Navoi avenue, 135 a/c 20210000900128648001 ZhSB,

Bank code 00478 tel. 5-30-49

August, 18 1999

Mr. Abdullaev T.A Chief of Vodokanal

CHIRCHIK CITY PRINTING HOUSE because of difficult finance situation can cover debt at the size of 25.4 thousand sums not earlier than in August, 25, 1999.

Director

signed

Ishmanov A.A

# Uzbek Combine of Refractory and Heat Resisting Metals (uzKTZhM)

702119, Chirchik, Tashkent region
Teletype 116661
For telegrams: Chirchik Alloy
A/c 20210000700430487001
Main operation Dpt. NB FER RUz. Tashkent
Bank code 00407

16.08.99 # Mya/729

Mr. Abdullaev T.A Director of Vodokanal

Mnanagement of UzKTZhM asks you to supply Sportinaya and Ibn-Sino str. With water. We will cover our debt within August.

**Acting General Director** 

signed

Yakubov M.M.

Chief accountant

signed

Mirzakulova M.T.

stamped

 $(\hat{\pmb{f}}_{ij}) \approx$ 

Signatures

# CONTRACT NO. FOR INSTALLATION OF COLD WATER METERS

FOR INST.	ALLATION	OF COLD W	ATERMETER ""	, 1999 , 1999
	(Surname, 1	name, patronyn	nic)	
residing at the address: hereinafter referred to as the 'Board "SUVOKOVA" representation as the "	esented by	Director T.A.,	Abdullayev, o	n the other hand,
<ol> <li>The House Owner shall:</li> <li>a) pay the expenses connected amount of</li> <li>obligatory monthly paying</li> </ol>	soum, within			water meters in the0, 1999, with
Congatory monthly paying		hedule of mont	hly payment in	1999
Kinds of services	I quarter	II quarter		IV quarter
Installation & registration of a water meter		2,612.75	2,612.75	2,612.75
<ul> <li>b) make current payments for sewerage according to the</li> <li>c) ensure safety of controlling and norms;</li> <li>d) observe the existing "Redrainage in the Republic of the ensure that the house, leaving, and make complete the owner's departure meter shall transfer to a notation.</li> <li>2. The Executive shall:</li> <li>a) install the water measuring the Uzbekistan State stand</li> </ul>	existing tarifing seals and of gulations on the House Color settlement, the responsition owner.	is and terms; perate the mete utilization of in its for the constability for his in water meter in a sec.	r in conformity the municipal tify the Execu umed water an idebtedness and	with technical rules supply systems and tive 10 days before d sewage. After the lastest of the water of the requirements of
<ul><li>b) register the water measuring settlements on the basis of c) perform controlling examonce a quarter.</li></ul>	the water me ination and re	ter indices; ading of the co	ld water measu	uring unit as often a
3. If the House Owner doesn the terms herein specified supply and sewerage netwood before switching off, subjection in case of unwarranted supply and sewerage network before switching off, subjection in the contract has been fill the terms herein specified supply and sewerage network in the contract has been fill the terms herein specified supply and sewerage network in the contract has been fill the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and sewerage network in the terms herein specified supply and the terms herein	, the Executive ork with prelect to switching to administrative administrative contractions.	e can switch the iminary verbal ag on after make the city water and criminal	gistration of the House Owner advice of the ling payment. supply and several liability according.	e water meter withing of the city water House Owner 3 day werage network, the rding to the existing
4 %.	1977年建建	OF THE PA	1.1 * *	
1986年,李林林 (446年) (1986年)	or Street VA" 27001 hSB			House Owner

## CONTRACT

# for rendering services on supply of drinking water and drainage of sewage

Chirchik town

This Contract has been made by the Chirchik Production Board "Suvokova", on the one hand, hereinafter referred to as the "Supplier", and the owner of the private house (apartment), on the other hand, hereinafter referred to as the "User", as follows.

# 1. DUTIES AND RIGHTS OF THE PARTIES

- 1.1. The Supplier shall provide the User with drinking water and sewerage.
- 1.2. The Supplier shall inform in the mass media about changes of tariffs.
- 1.3. Within a short period, the Supplier shall eliminate breaks in water supply and sewerage networks.
- 1.4. The Supplier can stop water supply without preliminary notification in the following cases:
  - a) if the Supplier is not provided with electric power;
  - b) in case of natural calamities:
  - c) if there is a break in the main pipe;
  - d) in case, the User has an outstanding payment.
- 1.5. The User shall observe the rules of utilizing the systems of communal water supply and water drainage of the Republic of Uzbekistan.
- 1.6. Promptly pay for services rendered and make re-calculations in connection with changes in tariffs
- 1.7. Install a water meter at its own expense and maintain it in good technical order.
- 1.8. In case the owner sells or leases the flat (private house), or the family composition changes, the User shall inform the Supplier within one month.
- 1.9. Annually, until 1 November, the User shall take measures on warming the outdoor water pipes.
- 1.10. The User can get from the Supplier full information about the Regulations of the Water Supply and Communal Economy of Uzbekistan.
- 1.11. The User can lodge claims on breach of the Supplier's obligations.

# 2. PROCEDURE AND FORM OF PAYMENT

- 2.1. Settlements with users are made according to existing tariffs by means of payment documents (receipts).
- 2.2. The User shall make monthly payment until the 10<sup>th</sup> of each month. After this period, beginning with the 11<sup>th</sup> of the month, a penalty at the rate of 0.5% shall be charged for each day of default.
- 2.3. The User can demand compensation of damage caused by non-supply of water (except cases stipulated by items 1-4 hereof), with the act confirming non-supply of water, which is to be signed by two residents and the Mahalla Committee.

# 3. RESPONSIBILITY OF THE PARTIES

In case of breach of the contract obligations, the parties shall be answerable according to the current legislation.

# 4. VALIDITY PERIOD OF THE CONTRACT

W TABIDIT I DRIOD	
This Contract shall become valid from the date of "SUVOKOVA" Production Board 1, top kuchasi, Boz-Suv bekati	signing and shall be valid until its termination. USER
Chirchik town	Name
	Address

REF 4.4.13 Notification and Receipt

A/c 202100(	Chirchik Vodokanal, Vokzalnaya str., J A/c 20210000000135227002 bank code 00478 UzZhSB NOTIFICATION	alnaya str., I 02 bank cod NOTIF	ya str., ] ank code 00478 UzZ NOTIFICATION	hSB			Chirchik Vo A/c 2021000	Chirchik Vodokanal, Vokzalnaya str., 1 A/c 20210000000135227002 bank code 00478 UzZhSB RECEIPT	zalnaya str., 02 bank co R	., I ode 00478 Uz RECEIPT	ZhSB		
Name:							Name:		-	; ;			
Address:							Address:						
From	199_to	0	199				From	199 to	0	199	Q		
	Number	No.	Volume	Tariff	Series	Tivin.		Nimber	E CY	Volume	Tariet	Source	Tivia
	of people	m3	m3			soum=		of people	m3	m3	:		l soum=
	or water					100 tiyin		or water					100 tiyin
	meter						٠.	meter				- 4	,
	11gurc							tigure					
Water for							Water for						
House							House						
needs					, "		needs			-		. •	
Cattle							Cattle					7	
Sheep							Sheep						
Watering							Watering						
Of garden							Of garden						
Ofyard							Of yard						
ರ್ಷ							స్ట్						
washing							washing						
Sewerage					·		sewerage						

Amount Payment term	Penalty	CASHIER
Amount Payment term	Penalty	CASHIER

# **REF 4.4.14 Customer Book**

# CUSTOMER'S BOOK NO.

# on settlements for water and sewerage

# For the customer's reference!

- 1. Calculation of payment for water and sewerage:
- in the availability of a water meter, calculations shall be effected according to the meter indices;
- if the water meter is out of order or unavailable, calculations shall be effected according to existing tariffs and norms with recording of the calculation results into the Customer's Book
- 2. The customer shall pay every month for using water and sewerage. If the water meter is out of order, the amount of payment in the receipt shall correspond to the amount indicated in the Act and sample of the receipt.
- 3. In case of non-payment within the set period, a penalty shall be charged for each day of delay beginning with the 11<sup>th</sup> day of the month, at the rate of 0.1% of the amount indicated in the receipt. Advance payment for the period of the current year is possible.
- 4. If case any changes take place in water using conditions, or not all receipts have been used, or the Customer's Book lost, the customer shall immediately apply to the customer service department of the Production Board "Suvokova".
- 5. The customer shall be responsible for proper maintenance and safety of the water meter seal.

In case of the water meter malfunctioning, the customer shall immediately apply to the Production Board "Suvokova".

# IT IS PROHIBITED:

- to make any unwarranted amendments to the Customer's Book;
- to conduct unwarranted reconstruction and switching on water supply and sewerage networks;
- to delete the seal and perform unwarranted repair of the water meter;
- to water yards and plants from 6 to 12 o'clock p.m.

The current tariffs for water and sewerage.

	In the availability of a water meter:	
a)	in houses with sewerage for 1m³	
b)	in houses without sewerage for 1 m <sup>3</sup>	
		Is
	Customers enjoying privileges at the rate of 50%	
a)	in houses with sewerage for 1m <sup>3</sup>	
b)	in houses without sewerage for 1 m <sup>3</sup>	
3.	Customers enjoying privileges at the rate of 30%	
a)	in houses with sewerage for 1m³	
	in houses without sewerage for 1 m <sup>3</sup>	
4.	Customer's account	
5.	Second name	
	First name	
	Patronymic	
6.	Address	_
	I have studied the procedure of use and payment for water and s	ewerage:
"	., 199	
Cu	stomer's signature	
Co	ontroller's signature	

RECEIPT	NOTIFICATION
PB "Vodokanal"	PB "Vodokanal"
Account 000508504 in Chirchik	Account 000508504 in Chirchik
branch of Promstoibank	branch of Promstoibank
Customer	Customer
Name	Name
Address	Address

Date	water meter indices	Date	water meter indices
to		То	
from		from	
difference	<u> </u>	difference	
amount in soum	<u> </u>	amount in soum	
discount	<u></u>	discount	1.2.2
penalty %		penalty %	
Due amount		Due amount	
Cashier		Cashier	

# **REF 4.4.15 List of Debtors**

List of debtor living in Abaya street

Apartment	Family name	Balance for the period of 1998	Current depreciation	Paid	Debt for 2000/1/1
-				•	
	<u> </u>				

Total:

### REF 4.4.16 Notification

from 26 August, 1999

Chirchik PB "VODOKANAL"

1, Vokzalnaya St.

Account 20210000800135227001

UzJSB Chirchik

NOTIFICATION

Name

Soloshin

Address

1, Chemists' village, 13

19 Party Congress Street,

Apt.3

For 1999

hemists' vill	age	
2	q-ty of persons	Amount
Water	3	-25.1

Bath, sauna, no sewerage

Discount

30.00%

Amount: Twenty Five soum 10 tiyin

Payment deadline: 26 August, 1999

Cashier

Chirchik PB "VODOKANAL"

1, Vokzalnaya St.

Account 20210000800135227001

UzJSB Chirchik

NOTIFICATION

Name Soloshin

Address 1, Chemists' village, 13

19 Party Congress Street,

Apt.3

For 1999

, Chemists' vi	lage	
2	q-ty of persons	Amount
Water	3	-25.1

Bath, sauna, no sewerage

Discount

30.00%

Amount: Twenty Five soum 10 tiyin

Payment deadline: 26 August, 1999

Cashier

# **REF 4.4.17 Customer Book**

# Account book

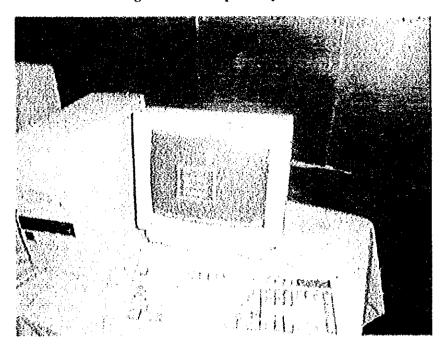
Name, Family name	
Address	
Telephone	
I acquainted with rules of water consumption	
Signature of debtor	
Signature of creditor	
•	

	Advice					Receipt			
Family nat	me				Family na	me			
Address					Address				
For the per	riod of				For the pe	riod of			
Services	Family	Standard	Tariff	Total	Services	Family	Standard	Tariff	Totai
Number in m3 in UZS Amount				Number	in m3	in UZS	Amount		
1. Water			1. Water						
2. Sewerag	ge				2. Sewerage				
		<u> </u>			-	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Amount of	f payment				Amount o	f payment	t .		
Fine					Fine				
Total Amo	ount				Total Amount				
Terms of I	Payment				Terms of I	Payment			•
Casher					Casher	-			

. : 

# (2) Systems

Fig D.4.4.1 Computer Systems



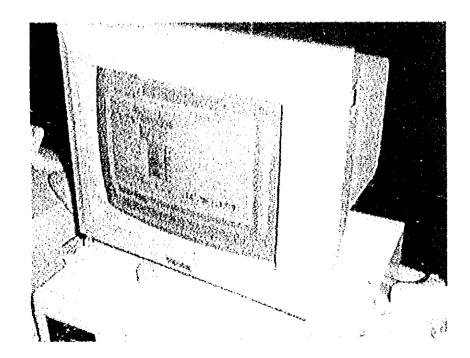




Fig D.4.4.2 Computers and Controllers

Table D.4.5.1 List of Pump Stations

(

Mama	Type of Facility	Туре	Dimension	Num-
Name	Type of Facility	Type	Ave: cu.m/hr(min) x m-H x mm-D x kw	bers
Pump Station	Deep well		Dia.356 mm x 30 m	31
No.1	Well pump(W)	ECV-10	Ave:144.2 (2.4) x 45 x 125 x 32	26
			Total:3750 cu.m/hr = 90,000 cu.m/day	
	Well pump(R)	ECV-10	Ave:124(2.07) x 50 x 125 x 32	5
	Lifting pump1(W)	D-1250	1250(20.8) x 120 x 400,300 x 630	2
	Lifting pump1(R)	D-1250	1250(20.8) x 120 x 400,300 x 630	1
	Lifting pump2(W)	EV200 x 4	200(3.3) x 120 x 125 x 630	1
-	Lifting pump3(W)	D-1250	1250(20.8) x 60 x 400,300 x 500	1
	Lifting pump4(R)	8NDV	500(8.3) x 60 x 250,200 x 250	1
			Total:5,200 cu.m/hr = 124,800 cu.m/day	
Pump Station	Lifting pump1(W)	4NDV	180(3) x 80 x 125 x 75	1
No.2	Lifting pump2(W)		500(8.3) x 80 x 250,200 x 200	1
(Booster Pump)	Lifting pump2(R)	EV200 x 2	500(8.3) x 80 x 250,200 x 200	1
	Lifting pump3(W)	8NDV	500(8.3) x 80 x 250,200 x 160	1
			Total:1,180 cu.m/hr = $28,320$ cu.m/day	
Pump Station	Deep well		Dia.356 mm x 30 m	8
No.3	Well pump(W)	ECV-10	Ave:100(1.7) x 50 x 125 x 32	8
	And the state of t		Total:800 cu.m/hr = 19,200 cu.m/day	
	Lifting pump1(W)	200D60	500(8.3) x 70 x 250,200 x 200	1
	Lifting pump2(W)	6NDS	180(3) x 70 x 125 x 75	11_
	Lifting pump2(R)	6NDS	180(3) x 70 x 125 x 75	1
	Lifting pump3(W)	3V200 x 2	250 x 70 x 125 x 125	1
			Total:930 cu.m/hr = 22,320 cu.m/day	ļ <u>.</u>
Pump Station	Lifting pump1(W)	6K8	180(3) x 30 x 125 x 28	1
No.4	Lifting pump1(R)	6K8	180(3) x 30 x 125 x 28	1
(Booster Pump)	Lifting pump3(W)	200D65	500(8.3) x 40 x 250,200 x 125	11
	Lifting pump3(R)	200D65	500(8.3) x 40 x 250,200 x 125	1
Pump Station	Deep well		Dia.356 mm x 30 m	6
No.6	Well pump(W)	ECV-10	Ave:178(2.9) x 40 x 125 x 32	5
			Total:890 cu.m/hr=21,360 cu.m/day	
	Well pump(W)	ECV-10	Ave:178(2.9) x 40 x 125 x 32	11
	Lifting pump1(W)	8NDV	500(8.3) x 70 x 250,200 x 200	1 1
	Lifting pump1(R)	8NDV	500(8.3) x 70 x 250,200 x 200	11
	Lifting pump2(W)	3V200X2	500(8.3) x 70 x 250 x 250	1
	Lifting pump2(R)	3V200X2	500(8.3) x 70 x 250 x 200	11_
		<u> </u>	Total:1,000 cu.m/hr = 24,000 cu.m/day	
City Well	Deep well		Dia.356 mm x 30 m	3
Independent	Well pump(W)	ECV-10	Ave:178(2.9) x 40 x 125 x 32	3
			Total:300 cu.m/hr = $7,200$ cu.m/day	
Komsomolsk	Intake pump1(W)	D1250/65	1,250(20.8) x 65 x 450,350 x 250	1
Intake Pump	Intake pump1(R)	D1250/65	1,250(20.8) x 65 x 400,300 x 200	1 1
Station	Intake pump1(W)	D1250/65	1,250(20.8) x 65 x 450,350 x 250	1 1
	Intake pump1(R)	D1250/65	1,250(20.8) x 65 x 450,400 x 315	11_
	Intake pump2(W)	D2500/68	2,500(41.2) x 68 x 500,400 x 500	11
		<del></del>	Total 5,000 cu.m/hr = 120,000 cu.m/day	-
Komsomolsk	WTP		Capacity5: 9,000 cu.m/day	<u> </u>
Distribution	Distr. Pump1(W)	D1250	1,250(20.8) x 60 x 400,300 x 250	1 1
Pump Station	Distr. Pump1(S)	D1250	1,250(20.8) x 60 x 400,300 x 250	1 1
	Distr. Pump2(W)	D2500	2,500(41.2) x 60 x 500,400 x 500	1 1
	Distr. Pump2(S)	D2500	2,500(41.2) x 60 x 500,400 x 500	11_
			Total 3,750 cu.m/hr = 9,0000 cu.m/day	<u> </u>

Note: Distr.: Distribution, W: working, S: Stand-by

Table D.4.5.2 Analysis of Surface WTP

L	Samotine	Temperatur Odour	ŀ	Taste	Color	Tubidity PH				Nitrite		Hardness	Oxigen	ВОБ	g	Magnesium	Alkalinity	Sulfate
ĝ	Points	•				ng/L		ability mg/L	Nitrogen (GOST 4192-82)	(GOST 4192-82)	ng/L		dissolved mg/L	7.8m		mg/L mg/L	mg/L	mg/L (GOST 4389-72)
	2	3	4	5	Š	7	ø	٥	101	11	12	13	14	15	16	17	18	62
	June 1999				-													
	Water resourse	14	0	0	0	2,95	8,3	88'0	£	0.035	1"1	1,8	12.4	4,4	1.4	0,4	1,7	57.6
<u> </u>	2 Inflow	4.	٥	0	0	4,0	8,3	88'0	ΩX	0,035	1.1	1.8	12.4	4.4	1.4	0,4	1.7	57.6
[	3 After sediment	14.5	٥	٥	٥	3,9	8,3	0.72	QN			1,8					1.7	
	4 After filters	14.5	°	٥	٥	o:r	8,3	0.04	£	£		1,8					1.7	
L	5 Before entering into network	L	٥	0	٥	1,0	8,3	20.0	£	£	1.1	1,8	11.2	4,4	1.85	0,4	1.7	57.6
L	6.1-st point of output	L	٥	٥	٥	1.0	8,3	200	윷	£		1,8					1.7	
]																		
L	(Sampling	Solid	Chloride Iron	Γ	Flourine	Copper	Zic	Lead	Molybdenul Arsenic	Arsenic	Chlorine	Chlorine		Manganese	Poly	meingeo	Aluminum	
ź			T/our	ma/1.		7/04	mo/I.	me/L	me/L	me/L				ms/L	phosphate	ns/L	Rest	
<u> </u>		y y	(GOST	GOST (GOST (GOST	(GOST	(GOST	(GOST	(GOST	)) TSOS) TSOS) TSOS)	(GOST		mg/L	(month)	(GOST	(GOST mg/L	,	mg/L	
			4245-72)	4011-72)	4386-81)	4388-72	18293-72	18293-72	18308-72)	4152-81)				9474-72)				
		H	:		·									-				
		18164-72)																
Ĺ	1	82	21	22	23	24	25	26	27	2.8	29	30	31	32	33	34	33	
L				*		ا ا												
L.	June, 1999																	
L	1 Water resourse	186	5,5	£	0,265	Q	Ð	g		S				£	ğ			
L	2 Inflow	186	5,5	Ę	0,265	æ	QX	g		g	0,77	0.2		g	g			
L	3 After sediment	7								-								
L	4 After filters	1.00																
L	5 Before entering into actwork	186	. 5.5	Ę	0,265	æ	Š	£		ę			0.43	ę	ğ			_
Ĺ	6 1-st point of output		-,	,	-													
L			:															_
]																		

Table D.4.5.3 (1) Analysis of Water Source for Surface WTP from July 1998 to June 1999

rature         mg/L         ability         nitrogen         mg/L	Month	Tempe	Odour	Taste	<u> </u>		Turbidity bH	H	Oxigen	Ammonia Nitrite	Nitrite	Nitrate ]	Hardness	Oxigen	BOD	Calcium	Magnesium	Alkalinity
16		rature		\   . 			ng/L		ability	nitrogen	-		_			mg/L	mg/L	mg/L
16         0         0         5         8.5         0.96 ND         0.043         1.1         1.7         11.2         4           16         0         0         4.2         8.5         0.96 ND         0.04         1.8         1.65         11.7         4.7           15.5         0         0         0         1.4         8.15         0.96 ND         0.0025         1.8         1.65         11.7         4.7           11         0         0         0         1.25         8.1         0.96 ND         0.022         2.2         1.9         12.2         4.5           8         0         0         0         1.25         8.1         0.96 ND         0.03         2.4         1.2         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.2         4.5           6         0         0         3.15         8.3         1.2 ND         0.04         2.4         2.2         1.2         4.7           6         0         0         2.5         8.45         1.04 ND         0.06         2.2         2.4         1.2							-	٠.		mg/L				mg/L				
16         0         0         4.2         8.5         0.96 ND         0.002         1.8         1.65         11.7         4.7           15.5         0         0         1.5         8.1         1.04 ND         0.0225         1.8         1.65         12.2         4.2           14         0         0         0         1.4         8.15         0.88 ND         0.016         1.55         1.7         12.2         4.2           11         0         0         0         1.25         8.1         0.06 ND         0.03         2.4         1.3         12.9         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.2         4.5           6         0         0         2.5         8.35         0.88 ND         0.055         2.2         2.1         2.2         4.7           6         0         0         2.5         8.35         1.04 ND         0.055         2.2         2.3         12.9         4.2           9         0         0         2.4         8.5         2.ND         0.06         2.2         2.3         12.0	Jul 98	16	O			0	5.	8.5	96.0	£	0.043			11.2				
15.5         0         0         1.5         8.1         1.04 ND         0.0225         1.8         1.65         12.2         4.2           14         0         0         0         1.4         8.15         0.88 ND         0.016         1.55         1.7         12.9         4.5           11         0         0         0         1.25         8.1         0.96 ND         0.02         2.2         1.9         12.4         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.4         4.5           6         0         0         0         2.5         8.35         0.88 ND         0.055         2.2         2.1         12.9         4.5           6         0         0         0         2.5         8.35         0.088 ND         0.055         2.2         2.1         12.9         4.7           9         0         0         0         7.4         8.5         1.12 ND         0.065         2.2         2.3         12.1         4.2           13         0         0         0         7.4         8.5         1.12 ND         <	Aug 98	16	•			0	4.2	8.5		£	0.04		-	11.7				
14         0         0         1.4         8.15         0.88 ND         0.016         1.55         1.7         12.9         4.5           11         0         0         0         1.25         8.1         0.96 ND         0.02         2.2         1.9         12.4         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.2         4.5           6         0         0         0         2.5         8.35         0.88 ND         0.055         2.2         2.1         12.9         4.5           6         0         0         0         2.5         8.35         0.08 ND         0.055         2.2         2.1         12.9         4.7           9         0         0         7.4         8.5         1.04 ND         0.06         2.2         2.4         12.6         3.9           13         0         0         0         7.4         8.5         1.12 ND         0.06         2.2         2.4         1.2         4.2           14         0         0         0         0         0         0         0         0	Sep 98	15.5	-		-	0	1.5	8.1		£	0.0225			12.2			_	
11 0 0 0 1.25 8.1 0.96 ND 0.02 2.2 1.9 12.4 4.5 8.3 1.12 ND 0.03 2.4 1.9 12.2 4.5 8.5 0.88 ND 0.055 2.2 2.3 12.1 4.7 8.5 8.45 1.04 ND 0.06 2.2 2.3 12.1 4.3 9 0 0 0 8.5 8.4 1.12 ND 0.067 2.2 2.3 12.1 4.3 1.3 0 0 0 8.5 8.4 1.12 ND 0.067 1.1 2.25 12.8 4.2 1.04 ND 0.067 1.1 2.25 12.8 4.2 1.04 ND 0.067 1.1 2.25 12.8 4.2 1.26 3.9 0.007 1.1 2.25 12.8 4.2 1.26 3.9 0.007 1.1 2.25 12.8 4.2 12.4 12.4 1.25 12.8 4.2 12.4 12.5 12.8 12.5 12.8 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5	8	14	_		Ć	0	1.4	8.15		<del>Q</del>	0.016	• •		12.9				
8       0       0       2.4       8.3       1.12 ND       0.03       2.4       1.9       12.2       4.5         5       0       0       3.15       8.3       1.2 ND       0.04       2.4       2       12.7       4.7         6       0       0       2.5       8.35       0.88 ND       0.055       2.2       2.1       12.9       4.2         6       0       0       8.5       8.45       1.04 ND       0.055       2.2       2.3       12.1       4.3         9       0       0       7.4       8.5       2 ND       0.06       2.2       2.4       12.6       3.9         13       0       0       0       2.4       1.12 ND       0.047       1.1       2.25       12.8       4.2         14       0	Nov 98		-		_	<del>-</del>	1.25	8.1		£	0.02			12.4				
5       0       0       3.15       8.3       1.2 ND       0.04       2.4       2       12.7       4.7         6       0       0       2.5       8.35       0.88 ND       0.055       2.2       2.1       12.9       4.2         6       0       0       0       8.5       1.04 ND       0.055       2.2       2.3       12.1       4.3         9       0       0       7.4       8.5       2 ND       0.06       2.2       2.4       12.6       3.9         13       0       0       8.5       8.4       1.12 ND       0.047       1.1       2.25       12.8       4.2         14       0       0       0       2.95       8.3       0.88 ND       0.035       1.1       1.8       12.4       4.4	Dec 98		_		<u></u>	0	2.4	8.3		£	0.03			12.2			0.3	1.8
6 0 0 0 2.5 8.35 0.88 ND 0.055 2.2 2.1 12.9 4.2 6 0 0 0 8.5 8.45 1.04 ND 0.05 2.2 2.3 12.1 4.3 9 0 0 0 7.4 8.5 2 ND 0.06 2.2 2.4 12.6 3.9 13 0 0 0 8.5 8.4 1.12 ND 0.047 1.1 2.25 12.8 4.2	) an 99	. ·S			C	0	3.15	8.3	· ·	£	0.04							
6 0 0 0 8.5 8.45 1.04 ND 0.05 2.2 2.3 12.1 4.3 9 0 0 0 7.4 8.5 2 ND 0.06 2.2 2.4 12.6 3.9 13 0 0 0 8.5 8.4 1.12 ND 0.047 1.1 2.25 12.8 4.2 14 0 0 0 2.95 8.3 0.88 ND 0.035 1.1 1.8 12.4 4.4	Feb 99		•	: :	റ	0	2.5	8.35	,	£	0.055							
9 0 0 0 7.4 8.5 2 ND 0.06 2.2 2.4 12.6 3.9 13 0 0 8.5 8.4 1.12 ND 0.047 1.1 2.25 12.8 4.2 14 0 0 0 2.95 8.3 0.88 ND 0.035 1.1 1.8 12.4 4.4	Mar 99		_		0	0	8.5	8.45		£	0.05							
13 0 0 0 8.5 8.4 1.12 ND 0.047 1.1 2.25 12.8 4.2 14 0 0 0 2.95 8.3 0.88 ND 0.035 1.1 1.8 12.4 4.4	Apr 99	<u>م</u>	· ·	<u>-</u> نيــ	0	0	7.4	8.5		£	0.06							
14 0 0 0 2.95 8.3 0.88ND 0.035 1.1 1.8 12.4 4.4	Mav 99		0	-		0	8.5	8.4		Q Z	0.047		``					
	, mr. 8	14	• •		_	0	2.95	8.3		£	0.035							

Month	Sulfate	Solid	Chloride Iron	Iron	Fluorine	Copper	Zinc	Lead	ပ	Manganes	Polyphos
	mg/L	total	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	phates
		dissolved									mg/L
36 Inf	56	182	6.5	£	0.2	Q.	æ	QX	Ð	2	£
Aug 98	53		9	£	0.16	£	B	<u>8</u>	£	£	£
Sep 98	55.2			£	0.175	<u> </u>	£	£	욧	£	£
Oct 98	57.6			R	0.165	2	£	g	욙	<del>Q</del>	£
Nov 98	72	•		£	0.15	£	£	£	g	£	£
Dec 98	_	•		£	0.215	2	£	£	g	R	Q
Jan 99	_	•		2	0.2 ND	包	£	£	£	£	Q
Feb 99				Q	0.25	Q	£	욧	R	£	£
Mar 99				윤	0.24	£	윤	2	R	£	<del>Q</del>
Apr 99				包	0.225	兒	£	g	윤	<u>2</u>	<u>g</u>
May 99	64.8	224	-	7 ND	0.285	Q Z	<del>Q</del>	£	· R	£	g
Jun 99				£	0.265 ND	£	Q.	£	Q	Q.	£

Table D.4.5.3(2) Analysis of Inflow for Surface WTP From July 1998 to June 1999

rature         mg/L         ability         nitrogen         mg/L         dissolved         mg/L         mg/L <th>Month</th> <th>Temp</th> <th>Odour</th> <th>Taste</th> <th><u>ප්</u></th> <th>Γ</th> <th>Turbidity PH</th> <th>E</th> <th>Oxigen</th> <th>Ammonia Nitrite</th> <th>Nitrite</th> <th>Nitrate</th> <th>Hardness Oxigen</th> <th>Oxigen</th> <th>ВОБ</th> <th>Calcium</th> <th>Magne</th> <th>Alkalinity</th>	Month	Temp	Odour	Taste	<u>ප්</u>	Γ	Turbidity PH	E	Oxigen	Ammonia Nitrite	Nitrite	Nitrate	Hardness Oxigen	Oxigen	ВОБ	Calcium	Magne	Alkalinity
16		rature				<u> </u>	mg/L		ability	nitrogen			dissolved	mg/L	mg/L	Sium		mg/L
16         0         0         9.7         8.5         0.96 ND         0.043         1.1         1.7         11.2         4           16         0         0         4.6         8.5         0.96 ND         0.04         1.8         1.65         11.7         11.2         4.7           15.5         0         0         0         1.9         8.1         1.04 ND         0.0225         1.8         1.65         11.7         4.7           14         0         0         0         1.2         8.1         0.08 ND         0.016         1.55         1.7         12.9         4.5           11         0         0         0         1.25         8.1         0.8 ND         0.03         2.4         11.2         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.2         4.5           5.5         0         0         0         2.4         8.3         1.12 ND         0.05         2.2         2.1         1.2         4.5           6         0         0         0         2.2         8.4         1.12 ND         0.05 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>mg/L</th><th>mg/L</th><th></th><th></th><th>mg/L</th><th></th><th></th><th>mg/L</th><th>mg/L</th><th></th></th<>									mg/L	mg/L			mg/L			mg/L	mg/L	
16         0         4.6         8.5         0.96 ND         0.04         1.8         1.65         11.7         4.7           15.5         0         0         0         4.6         8.1         1.04 ND         0.0225         1.8         1.65         11.7         4.7           14         0         0         0         1.4         8.15         0.88 ND         0.0016         1.55         1.7         12.9         4.5           11         0         0         0         1.24         8.3         1.12 ND         0.02         2.2         1.9         12.4         4.5           8.5         0         0         0         2.4         8.3         1.12 ND         0.04         2.4         1.9         1.2         4.5           5.5         0         0         0         2.4         8.3         1.12 ND         0.04         2.4         1.2         4.5           6         0         0         0         8.3         0.88 ND         0.05         2.2         2.1         12.9         4.2           13         0         0         0         0         0         0         0         0         0         0	Jul 98	16	°		C	0	9.7	8.5		Q	0.043							
15.5         0         0         1.9         8.1         1.04 ND         0.0225         1.8         1.65         12.2         4.2           14         0         0         0         1.4         8.15         0.88 ND         0.016         1.55         1.7         12.9         4.5           11         0         0         0         1.25         8.1         0.88 ND         0.02         2.2         1.9         12.4         4.5           8         0         0         0         2.4         8.3         1.12 ND         0.03         2.4         1.9         12.4         4.5           6         0         0         0         3.9         8.3         0.88 ND         0.055         2.2         2.1         12.9         4.5           6         0         0         0         7.2         8.45         1.04 ND         0.05         2.2         2.1         12.9         4.2           9         0         0         0         0         7.2         8.4         1.12 ND         0.05         2.2         2.4         12.6         3.9           13         0         0         0         0         0         0	Aug 98	16	_		0	0	4.6	8.5		£	0.04		•					
14       0       0       1.4       8.15       0.08 ND       0.016       1.55       1.7       12.9       4.5         11       0       0       0       1.25       8.1       0.8 ND       0.02       2.2       1.9       12.4       4.5         8       0       0       0       2.4       8.3       1.12 ND       0.03       2.4       1.9       12.2       4.5         6       0       0       0       8.9       8.3       0.88 ND       0.055       2.2       2.1       12.9       4.7         6       0       0       0       7.2       8.45       1.04 ND       0.05       2.2       2.3       12.1       4.3         9       0       0       0       0       0       0       0       0       0       0       0       0       0       4.3         13       0       0       0       0       0       10.5       8.4       1.12 ND       0.05       2.2       2.3       12.1       4.3         14       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <th>Sep. 98</th> <th>15.5</th> <th>_</th> <th></th> <th>0</th> <th>0</th> <th>1.9</th> <th>8.1</th> <th></th> <th>£</th> <th>0.0225</th> <th>•</th> <th>•</th> <th></th> <th></th> <th></th> <th>_</th> <th></th>	Sep. 98	15.5	_		0	0	1.9	8.1		£	0.0225	•	•				_	
11 0 0 0 1.25 8.1 0.8 ND 0.02 2.2 1.9 12.4 4.5  8.3 1.12 ND 0.03 2.4 1.9 12.2 4.5  6 0 0 0 0 8.9 8.3 1.12 ND 0.055 2.2 2.1 12.9 4.7  6 0 0 0 0 7.2 8.45 1.04 ND 0.06 2.2 2.3 12.1 4.3  13 0 0 0 8.6 8.4 1.12 ND 0.05 1.1 2.25 12.8 4.2  14 0 0 0 0 10.5 8.5 2 ND 0.06 2.2 2.4 12.6 3.9  14 0 0 0 0 8.6 8.4 1.12 ND 0.03 1.1 2.25 12.8 4.2	Og 38	14	_	_	0	0	1.4	8.15		£	0.016		•				_	
8 0 0 0 2.4 8.3 1.12 ND 0.03 2.4 1.9 12.2 4.7 5.5 0 0 0 8.9 8.3 1.2 ND 0.055 2.2 2.1 12.9 4.7 6.0 0 0 0 7.2 8.45 1.04 ND 0.05 2.2 2.3 12.1 4.3 1.3 0 8.6 8.4 1.12 ND 0.05 2.2 2.4 12.6 3.9 1.4 1.12 ND 0.03 1.1 2.25 12.8 4.2 1.4 1.5 ND 0.03 1.1 2.25 12.8 4.2 1.5 ND 0.03 1.1 2.25 12.8 4.2 1.4 1.5 ND 0.03 1.1 1.8 12.4 4.4 1.5 ND 0.03 1.1 1.8 12.4 1.4 1.5 ND 0.03 1.1 1.8 12.4 12.4 12.4 12.4 12.4 12.4 12.4 12.4	Nov 98	11	0		0	0	1.25	8.1		£	0.02							
5.5         0         0         3.9         8.3         1.2 ND         0.04         2.4         2         12.7         4.7           6         0         0         0         8.9         8.3         0.88 ND         0.055         2.2         2.1         12.9         4.2           6         0         0         0         7.2         8.45         1.04 ND         0.05         2.2         2.3         12.1         4.3           9         0         0         0         10.5         8.5         2 ND         0.06         2.2         2.4         12.6         3.9           13         0         0         0         8.6         8.4         1.12 ND         0.05         2.2         2.4         12.6         3.9           14         0         0         0         8.6         8.4         1.12 ND         0.05         2.2         2.4         12.6         3.9           14         8.3         0.88 ND         0.06         0.5         1.1         2.25         12.8         4.2	Dec 98	<b>∞</b>	0		_	0	2.4	8.3		£	0.03	٠						
6 0 0 0 8.9 8.3 0.88 ND 0.055 2.2 2.1 12.9 4.2 6 0 0 0 7.2 8.45 1.04 ND 0.05 2.2 2.3 12.1 4.3 9 0 0 0 10.5 8.5 2 ND 0.06 2.2 2.4 12.6 3.9 13 0 0 0 8.6 8.4 1.12 ND 0.05 1.1 2.25 12.8 4.2 14 8.3 0.88 ND 0.035 1.1 1.8 12.4 4.4	Jan 99	5.5	-		_	0	9.9	8.3		2	0.04						.6 0.3	3 1.9
6 0 0 0 7.2 8.45 1.04 ND 0.05 2.2 2.3 12.1 4.3 9 0 0 0 10.5 8.5 2 ND 0.06 2.2 2.4 12.6 3.9 13 0 0 0 8.6 8.4 1.12 ND 0.5 1.1 2.25 12.8 4.2 14 0 0 0 8.8 ND 0.035 1.1 1.8 12.4 4.4	Feb 99	9		<u> </u>	0	0	8.9	8.3		ð	0.055							, -
13 0 0 0 0 8.6 8.4 1.12 ND 0.05 2.2 2.4 12.6 3.9 14 0 0 0 0 8.8 ND 0.035 1.1 1.8 12.4 4.4	Mar 99	9	0		0	.0	7.2	8.45		<u>g</u>	0.05							•
13 0 0 0 8.6 8.4 1.12 ND 0.5 1.1 2.25 12.8 4.2	Apr 99	6		·	0	0	10.5	8.5		Q	90.0							•
14 0 0 0 4 8.3 0.88\ND 0.035 1.1 1.8 12.4 4.4	May 99	33	0	-	0	0	8.6	8.4		<del>Q</del>	0.5		`.					
	Jun 99	14	0	7	0	0	4	8.3		Q	0.035							

Chlorine Chlorine Manganese Polyphos	phates	mg/L mg/L	Q	£	<u>R</u>	g	£	£	<u> </u>	£	<u>e</u>	£	62	<u>8</u>
Chlorine Chlor	rest mg/L	mg/L											2	
Chlorine	demand	mg/L		0.8	0.27	0.21	0.21	0.25	0.2	0.23	0.25	0.23	0.21	0.2
Arsenic	mg/L		Q	2	2	£	8	£	운	£	£	<u>2</u>	R	£
Lead	mg/L		R	£	운	<u>R</u>	<u>g</u>	g	2	2	<u>2</u>	£	2	<u> </u>
Zinc	mg/L		Q	£	g	£	£	g	g	2	£	8	£	£
Copper	mg/L		Q.	<del>Q</del>	<u>R</u>	<u>8</u>	£	<u>g</u>	R	2	2	<u> </u>	0.285 ND	<u> 2</u>
Fluorine	mg/L		0.2	0.16	0.175	0.165	0.15	0.215	0.2	0.25	0.24	0.225	0.285	0.265
Iron	mg/L		6.5 ND	£	2	Q	£	£	g	2	<u>8</u>	<del>Q</del>	£	5.5 ND
Chloride Iro	mg/L		6.5	9	4	<b>'</b>	7			:			* <u>*</u>	5.5
Solid	total	dissolved	182	171	173	183			209		211	:		186
Sulfate	mg/L		99	53		57.6		1.4			57.6	1.	9	57.6
Month			Jul 98	Aug 98	Sep. 98	85 20	Nov 98	Dec 98	Jen 99	Feb 99	Mar 99	Apr 99	May 99	Jun 99

Table D.4.5.3(3) Analysis of Inflow for Surface WTP From July 1998 to June 1999

Month	Tempe	Odour	Taste	<u>ප්</u>	Turbidity PH	Hd	Oxigen	Ammonia Nitrite	Nitrite	Nitrate	Hardness	Oxigen	gog	Calcium	Magne
	rature				mg/L	ı	ability	nitrogen	mg/L	mg/L	mg/L	ved	mg/L	mg/L	sium
							mg/L	mg/L				mg/L			mg/L
Jul 98	17	0		<u> </u>	0 1.3	8.45	0.64	Q	£	1.1				3	
Aug 98		0			0 1.3	8.45		£	<u> </u>	1.8	••			4	
Sep. 98	16.5	0	•	-	0	8.1		Q	£	1.8					
0d.98	15	0		<u> </u>	0.8			Q.	Q	1.55				-	
Nov 98	11.5	0	· ·	0	0 0.75			£	£	2.2					
Dec 98	6	0		0	0 0.85			£	£	2.4					
Jan 99	9	0		C	0 1	8.3	0.64 ND	£	£	2.4	2	11.9		3.8	1.6 0.3
Feb 99	7	0		0	0 1.2	8.3		£	윤	2.2					
Mar 99	7	0	:	6	0 1.5	89.		£	<u>g</u>	2.2					
Apr 99	10	0		0	0 1.6			£	£	2.2				,	
May 99	14			C	0 1.5	8.35		8	Q	1.1	``	٠			
Jun 99	15	0	:	0	0 1	8.3		Q	Q	1.1					

mg/L         total         mg/L         mg/L <t< th=""><th>fonth</th><th>fonth Alkalinity Sulfate</th><th>Sulfate</th><th>Solid</th><th>Chloride</th><th>Iron</th><th>Fluorine Copper</th><th>Copper</th><th>Zinc</th><th>Lead</th><th>Arsenic</th><th>Chlorine</th><th>Manganese Polyphos</th><th>Polyphos</th><th>Alluminium</th></t<>	fonth	fonth Alkalinity Sulfate	Sulfate	Solid	Chloride	Iron	Fluorine Copper	Copper	Zinc	Lead	Arsenic	Chlorine	Manganese Polyphos	Polyphos	Alluminium
1.65         56         182         6.5 ND         0.2 ND         ND         ND         ND           1.6         55.2         173         4 ND         0.16 ND         ND         ND         ND           1.65         57.6         183         5 ND         0.16 ND         ND         ND         ND           1.8         72         201         4.2 ND         0.15 ND         ND         ND         ND           1.8         67.2         204         4.5 ND         0.215 ND         ND         ND         ND           1.9         69.6         209         4 ND         0.215 ND         ND         ND         ND           1.95         43.2         178         5 ND         0.24 ND         ND         ND         ND           2.15         60.6         211         6 ND         0.24 ND         ND         ND         ND           2.15         64.8         224         7 ND         0.225 ND         ND         ND         ND           2.1         64.8         7 ND         0.285 ND         ND         ND         ND         ND           2.1         64.8         7 ND         0.265 ND         ND         ND<		mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	rest	mg/L	phates	rest
1.65 56 182 6.5 ND 0.2 ND				dissolved							<del></del>	mg/L		mg/L	mg/L
1.6 55.2 173 4 ND 0.16 ND	ul 98	1.65	56	182		<del>Q</del>	0.2	Q	£	<u>2</u>	R		QN.	<del>Q</del>	0.02
1.65 55.2 173 4 ND 0.175 ND	Mg 98		53	171	9	£	0.16	£	2	£	£	0.5	見	<u> </u>	0.1
1.65 57.6 183 5 ND 0.165 ND	98	1.6	55.2			Q.	0.175	S S	2	£	<u>g</u>	0.37	<del>g</del>	<u>g</u>	
1.8 67.2 204 4.5 ND 0.15 ND ND ND ND ND ND 1.9 69.6 209 4 ND 0.215 ND	× 38					Q	0.165	Ą	2	£	Q Z	0.35	ę R	£	
1.8 67.2 204 4.5 ND 0.215 ND	lov 98	1.8				Q	0.15	£	2	g	£	0.35	Q	£	
1.9 69.6 209 4 ND 0.2 ND ND ND ND ND ND 2.15 43.2 178 5 ND 0.25 ND ND ND ND ND ND ND 2.15 57.6 211 6 ND 0.225 ND ND ND ND ND 2.2 60 218 7 ND 0.225 ND	86 39					2	0.215	£	2	£	2		£	£	
1.95 43.2 178 5 ND 0.25 ND ND ND ND ND ND 2.15 57.6 211 6 ND 0.225 ND ND ND ND ND ND 2.25 60 218 7 ND 0.225 ND ND ND ND ND ND ND 1.7 57.6 186 5.5 ND 0.265 ND	8	1.9				: <del>Q</del>	0.2	£	R	£	皇	0.37	<u>R</u>	<u>g</u>	
2.15         57.6         211         6 ND         0.24 ND         ND         ND           2.25         60         218         7 ND         0.225 ND         ND         ND           2.1         64.8         224         7 ND         0.285 ND         ND         ND           1.7         57.6         186         5.5 ND         0.265 ND         ND         ND	<b>69</b> 93	:		:		£	0.25	e R	<u>R</u>	8	£	0.4	<u> R</u>	£	
2.25 60 218 7 ND 0.225 ND ND ND ND ND 1.7 57.6 186 5.5 ND 0.265 ND	Se rey					£	0.24	<del>S</del>	£	£	夏	0.44	<u>g</u>	<u>8</u>	
2.1 64.8 224 7 ND 0.285 ND ND ND ND 1.7 57.6 186 5.5 ND 0.265 ND ND ND ND	8 19	2.25				£	0.225	Ω	£	Q	£	0.48	<del>Q</del>	£	
ON O	fay 99					£	0.285	£	£	£	呈	0.46	<del>Q</del>	<u>R</u>	0.05
	66 un	1.7	57.6	186		Q Z	0.265	QN	QN	Q.	QN.	0.43	<del>Q</del>	QQ Q	

Table D.4.5.4 Analysis of Intake of Ground-water

Mail   Point   Mail		Sampling	Temperat Odour	l	Taste	Color	tribiqity b	돐	e uesaxo	ammonia nitrite		nitrate	hardness oxgen	1	800	calcium	magnesiu alkalinity suffate	alkalinity	uffate
14   2   3   4   5   6   7   6   6   10   11   12   13   14   15   16   43951   14   15   15   15   15   15   15		Point					mg/L	-10		nitrogen (				dissolved n		_			
1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   10   11   12   13   14   15   16   10   11   12   13   14   15   16   16   14   15   16   14   15   16   14   15   16   14   15   16   14   15   16   14   15   16   14   15   16   16   16   16   16   16   16										-	4192-82)			76r					GOST
14 0 0 0 ND 745 0.56 ND ND 14.6 6 1.1 4.4 1.7 5.3 285 11.5 0 0 0 ND 7.5 0.64 ND ND 16.8 6.1 4.4 1.7 5.3 285 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 4.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 4.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 4.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 4.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 4.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.5 2.9 5.1 1.2 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 6.2 8.7 1.1 11.5 0 0 0 ND 7.5 0.64 ND ND 13.3 6.4 6.3 6.4 1.8 6.1 11.5 0 0 0 ND 7.5 0.66 ND ND 14.6 6.3 7 1.2 1.8 5.5 2.6 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	T			ľ			· ·	4		1 3C-02)	To	ţ	1	ç	-		1,5		47
14 0 0 0 0 ND 745 0.56 ND ND 16.8 6.1 44 1.7 3.3 17 3.3 145 0 0 0 0 ND 7.5 0.64 ND ND 16.8 6.1 44 1.7 5 1.4 4.5 1.5 1.4 4.5 1.2 1.4 4.5 1.5 1.4 4.5 1.5 1.4 4.5 1.5 1.4 4.5 1.5 1.4 4.5 1.5 1.4 4.5 1.5 1.4 1.5 1.4 1.5 1.4 1.5 1.4 1.5 1.4 1.5 1.4 1.5 1.4 1.4 1.4 1.4 0 0 0 ND 7.5 0.64 ND ND 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8				Ĭ									1	!	2				
145 0 0 0 0 ND 745 0.56 ND ND 14.6 6 43 177 3.3 1 14.5 0 0 0 0 ND 75.5 0.64 ND ND 16.8 6.1 6.4 6.7 6.4 7.2 1.2 1 14.5 0 0 0 0 ND 75.5 0.64 ND ND 13.3 9.4 6.7 6.5 7.4 4.5 7.1 1 14.0 0 0 0 ND 75.5 0.64 ND ND 13.3 9.4 6.5 7 1.6 7.1 1 15.5 0 0 0 0 ND 75.5 0.64 ND ND 13.3 9.4 6.5 7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8		June, 1999																	
145   0   0   0   0   ND   7.45   0.56   ND   16.6   6.1   0   0   4.4   1.7   3.3     14.5   0   0   0   0   ND   7.45   0.56   ND   ND   16.8   6.1   0   0   4.4   1.7   5.5     15.5   0   0   0   ND   7.55   0.64   ND   ND   16.8   6.1   0   0   0   0   0     14.5   0   0   0   ND   7.55   0.64   ND   ND   13.3   9.4   0.4   0.5   0.5   0.4     14.5   0   0   0   ND   7.5   0.64   ND   ND   1.8   1.8   0.5   0.5     15.5   0   0   0   ND   7.5   0.64   ND   ND   1.8   0.5   0.5     15.5   0   0   0   ND   7.5   0.54   ND   ND   1.8   0.5   0.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   4.4   7.2   0.5   0.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   4.4   0.3   0.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   4.4   0.3   0.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   4.4   0.3   0.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   1.22   7.1   0.5   1.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   1.22   7.1   0.5   1.5     15.5   0   0   0   ND   7.5   1.04   ND   ND   1.22   7.1   0.5   1.05   0.5     15.5   0   0   0   ND   7.5   1.05   ND   ND   1.22   7.1   0.5   0.5     15.5   0   0   0   ND   7.5   1.05   1.05   ND   1.22   7.1   0.5   0.5     15.5   0   0   0   ND   7.5   1.05   1.05   1.05   0.5     15.5   0   0   0   ND   7.5   1.05   1.05   1.05   1.05   0.5     15.5   0   0   0   0   0   0   0   0   0		Before entering into network																	
145 0 0 0 0 ND 7.56 0.64 ND ND 16.8 6.1 6.1 6.4 6.1 7.8 5.8 1.4 4.5 8.7 1.4 1.7 5.8 1.4 1.7 5.8 1.4 1.2 1.2 1.4 1.2 1.4 1.2 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	-	Central intake	4	٥	0	0	QN	7.45	0.56	QN	QN	14.6	မွ			4.3	1.7	3.3	259
15.5   0   0   0   ND   7.55   0.64   ND   ND   40   6.4   ND   7.8   0.54   ND   ND   19.   7.8   0.54   ND   19.   2.8   0.54   0.54   0.55   0.54   ND   19.   0.54   0.54   0.55   0.54   0.55   0.54   ND   19.   0.54   0.55   0.54   0.55   0.54   ND   19.   0.55   0.54   0.55   0.54   ND   1.8   0.55	2	Intake No 3	14.5	٥	0	0	QN	7.4	95.0	ON	ON	16.8	6.1			4.4	1.7	5	192
12   0   0   0   0   ND   7.5   0.64   ND   ND   13.3   9.4   0.65   0.59   0.59   ND   0.55   0.64   ND   0.65   0.64   ND   0.65	6	Intake No 6	15.5	٥	٥	0	ON.	7.55	0.64	ON	QN	4	6.4			2	1.4	4.5	240
14. 0 0 0 0 ND 7.5 0.64 ND ND 13.3 9.4 0.6 0.6 0.7 0.6 0.6 0.0 ND 7.5 0.64 ND ND 13.8 1.8 0.6 0.6 0.0 ND 7.5 0.64 ND ND 13.8 0.7 0.6 0.0 ND 13.8 0.6 0.0 ND 13.8 0.6 0.0 ND 13.8 0.6 0.6 0.6 ND 13.8 0.6 0.6 0.6 ND 13.8 0.6 ND 13	*	Individual settlement well	12	٥	0	٥	NO	9'2	0.56	ON.	QN	19	7.8			5.4	2.4	3.9	8
15.5 0 0 0 0 ND 7.5 0.64 ND ND 1.8 18 18 7 1.9 17 17 18 18 18 18 1 1.04 ND ND 1.8 18 1	35	Electric well	14	0	0	0	NO	7.5	0.64	Ω	QN	13.3	9.4			6.5	2.9	5.1	422
15.5														•	•				
15.5   1.45   1.45   1.45   1.04   1.	۴	City water distribution network	-	0	0	0	QN	7.5	0.64	S	NO	1.8	1.8					1.7	
Weels of intake No.3         No.96         ND         ND         3.3         6.4         4.6         1.8         5.6           14         0         0         0         ND         7.55         1.04         ND         ND         4.4         7.2         6.4         1.8         5.6           13.5         0         0         0         ND         7.55         1.04         ND         ND         4.4         7.2         6.3         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.6         7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.7         5.8         5.4         5.7         5.8         5.8         5.4         5.2         5.8         5.4         5.2         5.8         5.4         5.2         5.8         5.2         5.8         5.8         5.2         5.8         5.8			15.5				1.45	8.4	1.04			62	8.7					5.1	
Wells of intake No.3         ND         ND         3.3         6.4         4.6         1.8         5.6           14         0         0         0         ND         7.55         1.04         ND         6.4         7.2         4.6         1.8         5.6           14         0         0         0         ND         7.55         1.04         ND         6.3         7         6.3         7         1.3         5.4         5.5           14         0         0         0         ND         7.55         1.04         ND         6.3         7         6.3         7         8.4         1.3         5.7         1.3         5.4           14.5         0         0         ND         7.4         0.36         ND         6.3         6.3         7         8.3         1.3         5.7         1.3         5.7           14.5         0         0         ND         7.45         1.04         ND         ND         7.2         6.3         8         1.6         1.6         1.6         1.04         ND         1.2         5.8         1.8         1.5         1.8         5.7         1.8         5.2         1.8																			
14         0         0         ND         7.56         ND         ND         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.4         6.2         6.4         6.6         7.5         1.04         ND         ND         6.4         6.3         7         6.3         7         1.3         5.4         5.6         7           14.5         0         0         0         ND         7.5         1.04         ND         6.5         6.3         7         6.3         7         1.3         5.4         7           14.5         0         0         0         ND         7.4         0.8         ND         6.5         6.3         6.3         7         1.3         5.7         1.3         5.4         7           14.5         0         0         ND         7.45         1.04         ND         12.2         7.1         4.9         1.8         1.8         5.2         1.8         4.5         1.6         4.5         1.6         4.5         1.6         1.0         1.0         1.0         1.0         1.0		Well	ls of intake	No 3															
14         0         0         ND         7.55         1.04         ND         ND         6.4         7.2         7.2         6.3         2         5.6         8.6           13.5         0         0         0         ND         7.55         1.04         ND         ND         6.3         7         6.3         7         1.3         5.4         1.4 <th>1</th> <th>Well No 1</th> <th>14</th> <th>0</th> <th>0</th> <th>0</th> <th>OZ</th> <th>7.6</th> <th>96.0</th> <th>Š</th> <th>ΩN</th> <th>3.3</th> <th>6.4</th> <th></th> <th></th> <th>4.6</th> <th>1.8</th> <th>5.6</th> <th>ģ</th>	1	Well No 1	14	0	0	0	OZ	7.6	96.0	Š	ΩN	3.3	6.4			4.6	1.8	5.6	ģ
13,5         0         0         ND         7,5         1,04         ND         ND         6.3         7         6.3         7         1.3         5.4         1.5         6.4         6.5         6.3         7         1.3         5.4         1.5         6.3         7         1.5         1.5         1.5         5.7         1.3         5.4         8.7         1.5         6.3         6.3         6.3         6.3         6.3         1.5         6.7         1.5         1.5         5.7         1.5         8.7         1.5         8.7         1.5         8.7         1.5         8.7         1.5         8.2         1.5         8.2         1.5         1.5         8.2         1.5 <th< th=""><th>2</th><th>Well No 2</th><th>14</th><th>0</th><th>0</th><th>٥</th><th>Q</th><th>7.55</th><th>1.04</th><th>S</th><th>ON</th><th>4.4</th><th>7.2</th><th></th><th></th><th>5.2</th><th>8</th><th>5.6</th><th>8</th></th<>	2	Well No 2	14	0	0	٥	Q	7.55	1.04	S	ON	4.4	7.2			5.2	8	5.6	8
14         0	ຶ	Well No 3	13.5	0	0	0	ON	7.55	1.04	Q	ND	5.3	7			5.7	6.	5.4	<b>%</b>
14.5         0         0         ND         7.4         0.88         ND         ND         6.5         6.8         6.8         5         1.8         5           14         0         0         0         ND         7.45         1.04         ND         ND         12.2         7.1         4.9         1.6         4.5           14.5         0         0         0         ND         7.6         1.04         ND         17.7         4.9         4.9         1.9         3.9	Ľ	Well No 4	14	0	0	0.	S	7.6	96.0	Q	S	4.4	6,3			4.8	1.5	5.7	210
14 0 0 0 ND 7.45 1.04 ND ND 9.7 5.8 6.8 4.5 1.6 4.5 1.04 ND ND 12.2 7.1 5.3 1.8 5.4 1.8 5.4 1.8 14.5 0 0 0 ND 7.6 1.04 ND ND 1.7 4.9 4.9 1.9 3.9	8	Well No 5	14.5	0	0	٥	S	7.4	0.88	2	Ω Ω	6.5	6.8			2	1.8	2	88
14.5 0 0 0 ND 7.45 0.96 ND ND 12.2 7.1 5.3 1.8 5.4 1.45 0 0 0 ND 7.6 1.04 ND ND 1.7 4.9 4.9 4.9 3.9	٥	Well No 6	14	0	0	٥	S	7.45	1.04	Q.	O.S.	9.7	5.8			4.2	1.6	4.5	48.
14.5 0 0 0 ND 7.6 1.04 ND N.7 4.9 4.9 6.9 3.9	_	Well No 7	14.5	0	0	٥	Q	7.45	96.0	Q	Ω	12.2	7.1			5.3	1.8	5.4	288
	8	Well No 8	14.5	0	0	0	Q	7.6	1.04	Š	Q	1.7	4.9			4	6.0	3.9	£
															_				

Table D.4.5.5 (1) Analysis of No.1 Intake

Month	Temp	Odour	Taste	<u>흥</u>	Temp   Odour   Taste   Color   Tubidity	Ę,	oxiden	ammonia	nitrite	Γ.	hardness calcium	alcium	magne	alkalinity	ţ	solid total	chloride	Iron	flourine of	chlonne c	chlorine	chiorine
								nitrogen		mg/_r	mg/L r	mg/L	sium	mg/L	mg/L	dissolved	mg/L			Age.	demand rest	Ħ
							mg/L	(GOST					mg/L			mg/L	-		-		mg/L	Age.
86 37		0	0	ō	Q.	7.6		DN 4	Q.	12.8	5.3	4.3		3.6		520	8	2	0.19	0.7	0	1
Aug 98	4	0	0	ō	9	7.6		ON NO	9	12.4	5.7	4.3		-		570	22	2	0.18	0.71	0	_
Se de 8	14.5	0	0	ō	0 <u>N</u> 0	7,5		0.64 ND	9	13.4	6.1	4.5				290	8	2	0.15	0.7	0	Ŭ
8	14.5	0	0	Ó	9	7.45		NO.	9	Ξ	5.7	4. 6.	4.	3.1	240	547	27 ND	2	0.16	0.7	0.2	Ŭ
NQ 98				_																		
8000												_										
Cen 199	4	0	0	ō	2	7.6		δ Ω	2	15.5	<u>တ</u>	4.2				888	8 8	9	0.2	0.7	0	Ü
700 S	4	0	o	ō	2	7.6		OZ K	9	5	8.2	5.35				807.5		2	8	0.7	0	Č
Mer 80	4	o	0	ō	2	7.6		OZ SO	2	14.05	7.2	4,9			•	721.5		9	0.23	0.7	0	~
Apr 99	_	0	0	0	9	7.6	0.64	NO	9	13,95	7.2	4.			•	718		<u>8</u>	0.32	0.7	ন ০	Ž
May 99	4	0	0	0	<u>Q</u>	7.6		ON 4	2	14.6	62	4,5	1.7	3.3	580	625		9	97.0	0.7	0.22	_
Jun 99	14	0	o	ō	Q	7.45		0.56 ND	9	14.6	80	6.4		_		602		2	0.26	0.7	0	0.43

Table D.4.5.5 (2) Analysis of No.3 intake

Nonth   Temp   Odour   Taste   Color		86 jn	Aug 98 14.5	p.98 14	Oct 98 15	40v 98 14	Dec 98 14	Jen 99 14	Feb 39 14.5	Mar 99 14,5	Apr 99 14	May 99 14	Jun 99 14.5
200		o	0	0	0	0	ō	0	0	0	Ö	0	ō
Taste		o	0	6	ö	0	ō	0	0	0	<del></del>	ō	0
8		O	o	o	0	o	oʻ	0	o	o	o	o	٥
Tubidity PH		S S	9	2	<u>Q</u>	2	9	2	2	9	2	2	Ω
Ĭ.		7.45	7.6	7.45	7.45	7.45	7.45	7.65	7.45	7.45	7.45	7.6	7.4
uegoo	ability mg/L	Ĺ	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	900	0.56 ND
ammonia	nitrogen (GOST		S S		9	9	2	9	Q Z	200	20	5	20
nitrite		2	9	9	9	9	9	9	9	9	9	9	9
nitrate	₩ 	11.1	8	10.4	7.5	12.8	10.4	5.6	ල ල	හ හ	7.	7	16.8
ardness	ng/L	l	5.4		6.3		6.4	6.3	ė,			6.4	6.1
calcium	mg/L	4.4	4.	4.	4.	4.4	4	4.4	4.	4,	4.		4,4
magnesium	mg/L				2,1								1.
n alkalinity	mg/L	١		7 4.8		30		5.1			2 5.2		
sulphate	mg/L				240	2							
solid total	dissolved mg/L				641								
chloride	₩ 7/5	١.			42.5 ND								
iron	79°L	Q	Q	2	2	2	2	2	Q Z	8	Q Z	2	2
lourne	mg/L	96,0	0.47	0.45	0,32	0.36	0.35	0.38	0.47	0.475	0.45	\$40	0.4
chlorine	₩ 1	0.71	0.71	0.7	0.7	0	0.7	0.4	0.7	0.7	0.7	0.7	0.7
chiorine ic	Mary Confes	8	0.2	0 10	0	02	0	0	0.10	0	0.10	0.10	Ö
chlorine	rest mo	0	0	o	0.5	0.45	0.45	0.47	0.47	0.47	0.5	0.5	0,4

Table D.4.5.5 (3) Analysis of No.6 intake

1833
ng/L mg/L
6.4
48.7 6 4.5
v
6,5
6.5
6,8
7,3
7.2
7.1
66.8 6.6 4.8
40 6.4 5

# TableD.4.5.5 (4) Analysis of City Well(Individual)

듔			8	86.5	860	88 tr	88	88	8	86.0	8	8	8	98
Temp Odour Taste				2	17.5		13	1.5		5			5	
riogo O			°	0	• •	0	•	0	0	0	٥	٥	0	0
Taste			Ů	0	0	•	0	0	0	0	_	0	•	
<u> </u>			١		<u> </u>				_					
Tubidity		-	QN	2	<u>8</u>	ON O	2	200	S	ON C	ON.	ON C	ON C	Ω N
F A			<u> </u>	<u>~</u>	7.4	7.4	7.	7.		~	~	7.6	1	7
oxiden	ability	mg/L	6 0.64	6 0.56	5 0.64	4.0.64	6.0	7 0.5	8.0.5	6.5			_	7.6 0.5
ammonia	nitrogen	(GOST	ND X	SGND	QN X	ND ND	N NO	ON 95	ON OS	SG ND	0.56 ND	ND ND	36 NO	NO NO
a nitrite		_	Q	2	<u>Q</u>	9	2	2	<u>Q</u>	2	Q Z	9	Q Z	2
nitrate	₩ 7	_	14.6	5.7	13.1	11.8	14.6	17.5	7	17.7	17.7	17.7	17.7	<u>ф</u>
hardness calcium	mg/L					6.8								
calcium	mg/L			4.2				•			5.2	•		
magnesium	mg/L		2	N	S	4	n	so.	<u>ෆ</u>	9	N	9	r)	4
	mg/L		2.4	2.8	2.4	2.8	2.3	3.3	ω. Θ.	3,7	ය දැ	3.7	4	4.
alkalinity sul		-	4	89	3.7	3.7	တ္	3.7	ω 89	တ	o,	408	9.0	3.0
sulphate  s		=	355	316	326	338	345	381	22	44	<del>6</del>	824	417	8
solid total	dissolved r	mg/L	760	710	785	691	760	785	860	910	840	38	845	784
chloride	mg/L		28.5	27	73	24 NO	27	27.4	32.5	8	35	22.5	34	32
iron	mg/L		S	9	2	2	9	ð	8	2	9	ဝူ	2	9
euunou	πg/L		0.375	0.475	0,47	0.4	0.36	0.4	4.0	0.475	0.455	0.455	0.47	0.46
chlorine chionne	يم ا					0.7								
_	ğ	70/L				0.19								
chlorine	180	Z Z	0.43	0.47	0.47	0.41	0.47	0. 54.	\$	0.40	0.47	0.47	643	0.47

Table D.4.5.5 (5) Analysis of City Well(Boz-su)

Temp   Odour   Taste   Color   Tubidity   pH		36 Inc	Aug 98 14.5		Oct 98 14.5		Dec 38	- 98 uar	Feb 39	Mar 99	Apr 98	May 99	
tour Tas	<del></del>	ō	0	0	0	Ó							
<u>§</u>		0	0	Ó	0	0						•	
P P	· · · · · · · · · · · · · · · · · · ·	Z O	20	<u>z</u>	0	Ž o							_
ibidity.			_	_	<u>۔</u>	0							
둅		7.8	7.6	7.5	7.6	7.75							
oxiden	ability mg/L	1											
oxigen ammonia nitrite	nitrogen (GOST	0.64 ND	0.64 ND	9	0.64 ND	0.56 ND							_
nitrite		Q Q	<u>2</u>	2	9	9							_
nitrate	₩ 1/2	17.6	8,	8.4	8	16							
ate hardness cacium	mg/L		V,	Ø		6,9							_
calcium	mg/L				S	4.8		_	-				
magnesiu	mg/L												
m alkalinit	mg/L		4.2		3	4.1	. <u></u>						-
magnesium alkalinity sulphate solid total	mg/∟				3.8 485								
	dissolved mg/L mg/L				980								_
စ္			52.5 ND										_
	mg/L	S3 ND	9	9	9	42 NO							
flourne	mg/L	0.39	4.0	0.38	0.385	0.36							
chlorine	mg/L				0.7								
flouring chloring chloring chloring	demand rest mg/L mg/				۲ij O								_
Ş	rest mg/L	0.47	0,41	0 84	0.47	0.43							

Table D4.5.5 (6) Analysis of City Well(Electric)

	Temp Odour Taste Co	Color	Hd (tipiqn)	돐	oxigen	ammonia nitrite		nitrate h	hardness calcium	_	magnesin	magnesium alkalinity		-	_	900	l	9	92	orine ch	lorme
					ability mg/L	nitrogen (GOST		<del>-</del> م		mg/L	mg/L	J/gw	₩ -	dissolved mg/L	ν Ε	- mg/L	ار mg/د ا	<u> </u>		demand rest	 K
0		ONO	٥	7.55	0.64	ON ON	S	20.2	8.7	5.6					85	40 ND		0.45	0.7	0.2	0.5
0		÷	Ω	7.6	0.64	Q Q	9	ន		8					8	38 N		0.37	0.71	0.21	0.45
0		<del>-</del>	<u>∩</u>	7.6	0.64	9	2	ଷ	8.7	5.4		3.3	0		4	38	·	0.37	0.7	0	0.47
0		<del>-</del>	Ö	7.6	90.0	Q.	2	() ()		6.1					<del>3</del>	36 NO		0.5	0.7	0	0.5
0		6	Ω	7.35	9.0	2	2	18.2		5,4					8	33.5 NO		0.35	7 7	0	6,43
o		020	9	7.6	_	0.64 ND	2	16.6	6,0	5.6				451 9	940	35.3 ND		3.475	0.7	0.19	0.45
0		<del>2</del>	٥	7.55	90.0	Q.	9	16.6		5.4					8 8	84 N		0.5	0.7	9	9,4
<del>-</del>		6	۵	7.5	_	0.56 NO	9	15.5		6.6			4.7		13	SA CN		485	0.7	0.27	543
0		<del>5</del>	٥	7.5	0.56	2	2	17.7	8	6.4					76	14 N		455	0.7	0	0.45
<u>-</u>		6	9	7,	0.64	2	2	17.7		6.1		S	'n		56	14 CN 14		4.0	0.7	0	0.5
0		6	020	7.6	0.64	2	2	18.8	65	6.2		2.9	ω.		&	53		4.0	0.7	<u>ب</u> 0	0.47
ö		6	ONO	~	20 20	0.64 ND	9	6. 6.	4.0	6.5			5.1		£3	44 N		0.42	0.7	0.2	0.43

Table D.4.4.5 Analysis of City Water Network

Month	Temp	Temp   Odour   Taste   Color	Taste	ဉ် ဝ	Tubidity DH	Ha '	nepixo	ammonia nitrite	nitrite	nitrate	ardness	hardness magnesium alkalinity	akalinity	chlonde	iron	chlorine	chlorine
	_						ability	nitrogen		mg/L	mg/L	mg/L	mg/L		mg/L	demand	rest
							mg/L	(GOST								mg/L	
88 17		ō	0	0	_	7.45	0.56	Q Q	N O N	2.5	2		6,1	9, 8.5			
Aug 98	13	ō	0	0	S S	7.5	90.0	욮	8	Ø	1.7		9.	1.6	Ω 2		С
8	125	ō	0	0	2	7.45	0.64	9	Ω	<u>د.</u>	1.7	1.6	15	7	2		<u>-</u>
8	57	ō	O	•		4.7	0.56	9	2	2.	17		6,1		5.5 NO		<u>.</u>
86 62	13.5	o	0	° —	_	7.35	20.0	2	2	22	0,		8,1		2		<u>.</u>
86.09	9.5	ō	0	• 	_	7.45	90.0	2	<u>0</u>	22	CA		5,1	u,	5.5 ND		<u>.</u>
8	^	0	0	° _	_	7.5		8	2	2.2	C		6.1		7 7		
8	7	0	0	_	Š	7.5	20.0	9	2	2.2	N		1.9		2		<u>.</u>
Mer 98	ω	ō	0	-	Q	7.5	900	2	Q Z	2,2	2.3		- 2	9	9		
Apr 99	8)	ō	0	_	Q Z	7.5	900	ġ	2	2,2	2.5		~ 	우	2		
8 ≥ ×	7	0	0	_	8	7.4	_	9	2	9.0	2.25		ci -	12.5 ND	O Z		<u>.</u>
8	125	0	0	• —	_	7.5	0.64 ND	2	2	φ. •	4,0		5.	5.5	5.5 NO		o

## Table D.4.5.6 Analysis of Wells

Areanic Manae		M. nese	/gmj	-	2	,,					2						S S							2	2			_						<u>8</u>	
Movement	3	ਜ਼ ਸੁਆ	٦.	ON ON		<u>8</u>	~~~				8	-CAMONT											2					8		-		S S			
Pad PA	~~	mg/L hium	may	_	<u>Q</u>	<u>2</u> 0	<u>2</u> 0	<u>8</u>	<u>2</u>	<u>8</u>	2	<u>Q</u>		2	Q Q								9 9	Γ			<u>8</u>	2	2	<u>2</u> 0	ON		S O	-	
7.00				ON ON	<u> </u>	NO ON	<u> </u>	NO NO	<u> </u>	S S S	<u> </u>	<u> </u>	ON ON	ON ON	NO ON	ON ON	ON ON	ON ON	ON ON	<u>N</u>	<u> </u>	S S S	NO NO	ON ON	ON ON	QN QN	ON ON	ON ON	Q Q	<u> </u>	ON ON	ON ON	ON ON	S S S	<u>2</u> 2
2 Januar	 5	78 2		NO NO	Q Q	<u>4</u>	20				Q Q			2					_									20					2	<u>e</u>	
Firenan	 ?			0.24		0.24	80	0.2 ND	0.25 ND	0.2 ND	0.23	0.175 ND	0.22.0 DN	0.23	0.175 ND	0.325 ND	0.35 ND	0.375 ND	0.35 ND	0.4 ON	0.33 ND	0.275 ND	0.35 ND	ON 35.0	0.4 ON	0.42 ND	0.35 ND	4.0	0.325 ND	0.275 ND	0.375 ND	0.18 ND	0.25	0.275	ON SOCIO
2		mg/Limg/L		QN	2	2	Ω	O Z	Q	9	2	<u>8</u>	2	Q	Q	g	8	9	0 0 0 0	26.5 ND	32 ND	2	26 ND	40 ND	36 ND	Ω	<u>S</u>	O.	O <sub>Z</sub>	Q Z	ON	S N	Q	2	2
Chiorida		₩g/L		34	4	24	9.	30.5	4	19.5	22.5	37	<u>6</u>	35	ଷ	54	54	8	8	26.5	32	য়	8	40	ဗ	27	98	စ္တ	62	য়	28.5	13.9	13.9	18.6	17.8
Solid	}	<u> </u>	diss.	679	715	756	920	489	756	548		575	8	672	60	809	682	99	8	610	84		572		720			·					•		572
Suffate		mg/L		288	307	345	<u>1</u>	- 28 - 28	312	202	254	268		312	216	182	243	202	2		172		192												8
Afks		<u> </u>	T) P	3.6	3.7	9.0	4.4	4	4	3.5	3,5	9.0	4.	35	4	5.2	ın •	5,3	5.7	5.3	3.6	5,3	4	5.6	5.6		5.7		4.5	2. 4.	3.9	4		4.0	4 4
Magne		EII8	mg/L	2.6	Q	2.2	3.5	2.3	2.7	1.7	69.	2.5	<u>6.</u>	2.5	2	1.6	"	1.8	1.2	8.	•	2	1.5	1.8	(1	<del>ر</del> ن	1,5	8.	9.1	£.	6.0	4.1	4.	6	
3	}	<u> </u>	Mg/L	4.5	(C)	5.4	6.3	4,3	5.2	4	4.2	'n	4.5	4.7	4	4.4	4.8	4.2	4.8	4.	3.8		4		5.2	5.7	4,	n	4.2	က က	4	4.8		5,8	C.
Nitrate Hard		8	뛜	7.	7.5	7.6	8	8.6	7.9	5.7	5.8	7.5	6.4	7.2	9	9	89	9	6.9	φ	4.8		5.6	4,	7 7	^	6,3	80	5,8	7.	4.0	64.2	6.2	6.7	<b>C</b>
Nitrate		E 7		11.9	14.1	12.8	14.6	8.8	13.6	5.9	9.9		7.9	13.6	8.8	4.4	6.4	9.6	4.6	9.7	11.1	12.2	9.9	8.6	4.4	5.3	4.4	6.5	9.7	12.2	1.7	57.6	8	110	-8
Z E				2	O Z	Q Z	<u>0</u>	<u>0</u>	O Z	Q Z	2	2	Q Z	Q Z	Ω	Q N	Ω	O Z	Ω 2	Ω Z	Ω	Ω 2	ð	Q Z	o Z	Ω Z	S N	Q Z	O Z	O Z	Q	Q Q	2	2	C
Oxiden Ammon Nitrite		nirogen		9	9	9	8	8	9	9	8	Q	9	2	QN	Ω	õ	2	0.8 0.0	9	<u>Ω</u>	9	2	9	2	00 40. ON	Ω 2	<u>Q</u>	9	9	õ	õ	<u>Q</u>	9	02
Oxiden			Ď	0.8	,											0.88	÷			0.88			0.88			_					$_{ m l}$				ON 98 O
ī			4	7.5	7.5	7.5	7.7	7.4	7.5	7.5	7.6	7.	7.4	7.4	7:4	7.6	7,5	7.4	7.3	4.	7.5	7.	7.3	7.6	7.6	7,6	7,0	7.4	7.5	7.	7.8	7.0	7.6	7.6	7.8
Analyze Well Temp Odour Taste Color Tubidity	•	) E		9		2		9	9	Ω		2		2	Š	9	2	Q Q O	Q O	Ω O	Q O			<u>0</u>		9	Ω 2 0	2	ON O	ON O	2	ΩN O	<u>Q</u>		2
Ş			_	Ö	0	0	0	0	0	0	Ö	0	0	0	°	0							9						:						0
Taste	•			0	0	0	0	<u> </u>	0	•		0		0	٩		0				0		ျ						•		ျ				0
2000				0	0	0	0	0	0	0		0		o	0	0	0	0	0				٥				_		0	•					0
Temp						13.5	4	4	5	4	5	4	¥	<u></u>	4	4	13.5	4		÷		55	2			ř		÷			۲			~	13
₩ W		2	_	n.	ю	-	<b>O</b>	<u> </u>	=	~	<u></u>	7	φ <u>ο</u>	ผ	8	:		<u>ო</u>	4		<b>.</b>		_	·	~	ო	4	ν :	<b></b>		_	<del>* -</del>	~		4
Analyz	Chatter Libration	5		Š	- 4 1 3		Station			• •			· ·	:		8						:		Ę								Š			
-						Pump												Station																Station	

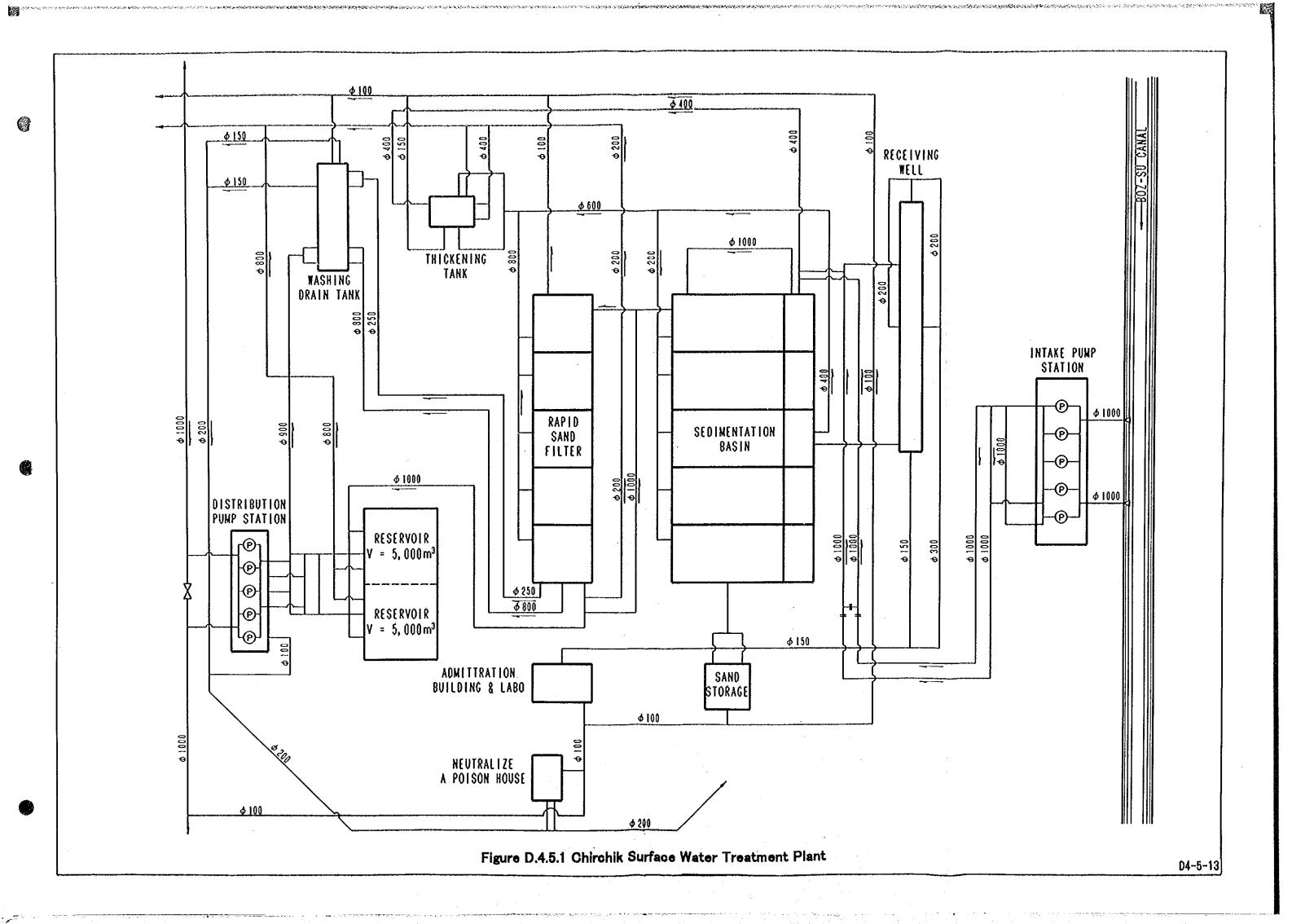
D4-5-11

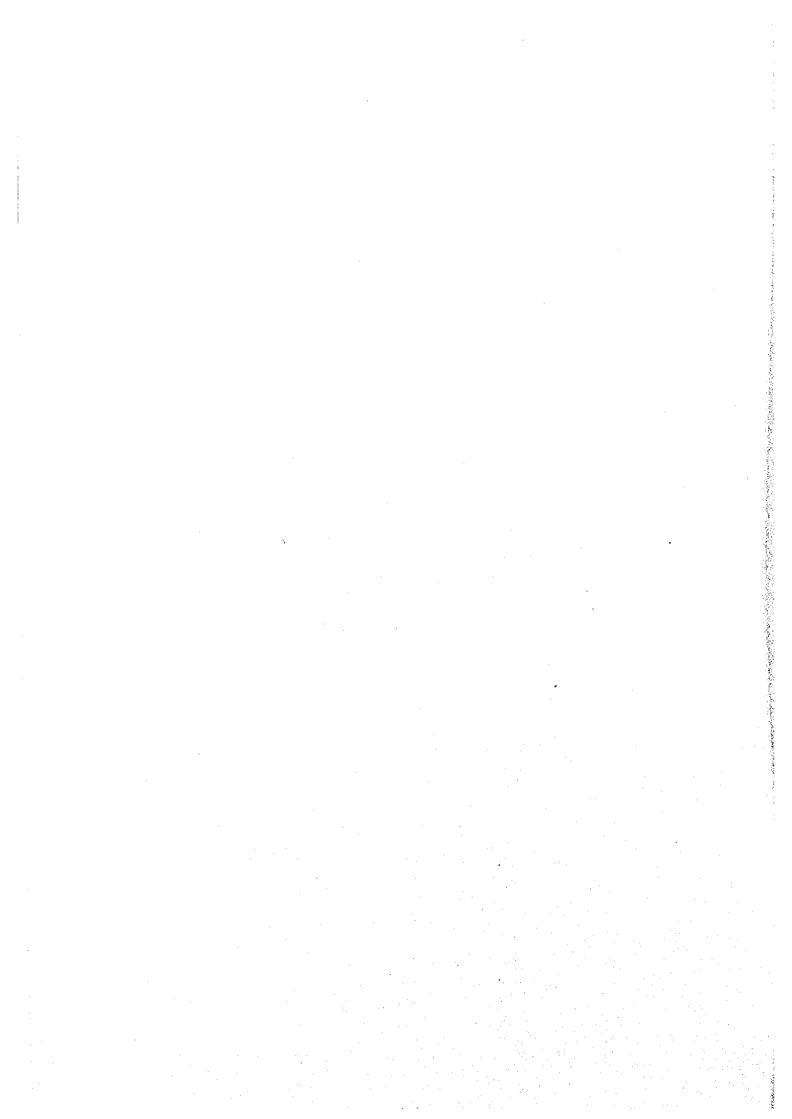
Table D4.5.7 Treatment Volume of Plants and Disdusement Plan for Chemicals and Electricity

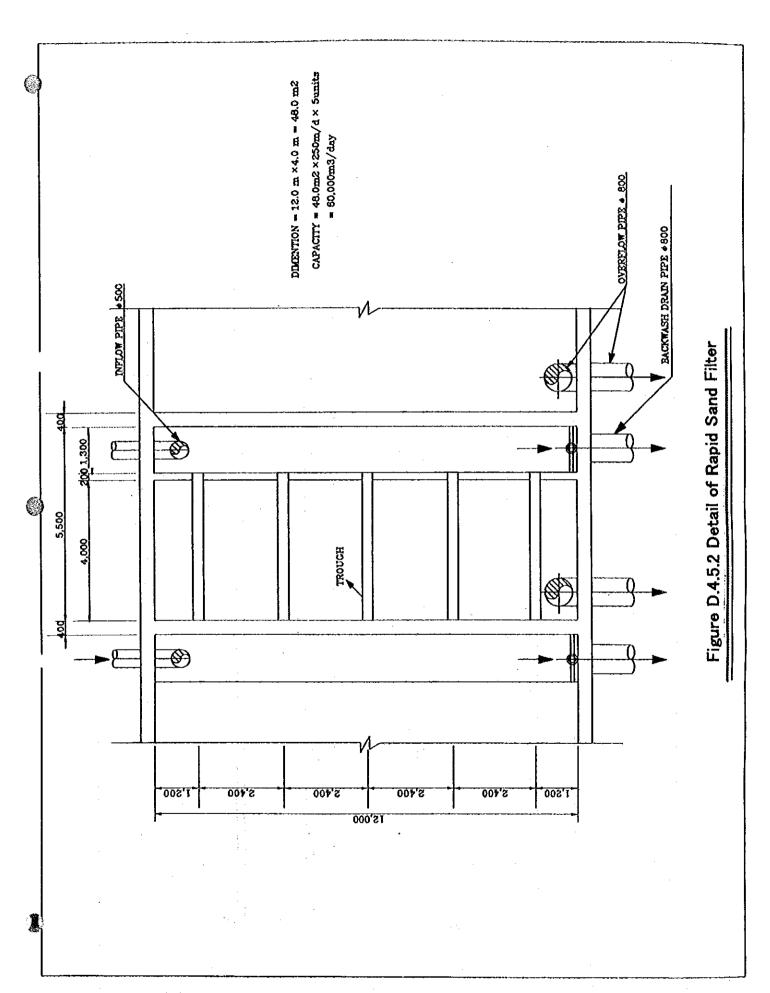
			Surface WTP	2			No 1 P/S			No 3 P/S			No 6 P/S			City wells			Totai		
Months	0	Liquid	Liquid Sulphuric Hypoch Electric O	Hypoch	Electric		Liquid	Electricity		Liquid E	Electricity Q	ö	Hypo-	acity	o	Hypo-	Electricity Q	ø	Lique	Hypo-	Electricity
	1000	chloring	chloring alluminuin tons	tons	8	801	chlorine 1	1000	1000 1000	chlorine 1	1000	900	chlolide	9001	8	chlolide	901	800	chlonne	chloude	8
	<b>a</b>	to Sec	tons		th kW//cu.m		tons	th kW/h  cu.m		tons	th kW/h	cu,m	toms	th kW/h	மூய	tons	th kW/h	GL.FI	tons	toos	Ch kW/h
Jan	180	27	19		1530	085	0.59	501	350	0.35	297	500	1	425	100	0.2	85		3.64	1.2	2.838
15. 45.	881	27	\$		1530	280	0.59	202	350	0.35	298	200	1	425	100	0.2	85	4.280	3.64	1.2	2,840
Mar	881	27	\$	2.7	1530	8	9,0	510	340	0.34	289	200	1	425	100	0.2	SS	4,270	3.64	1.2	2,839
Ş	1800	L	\$	2.7	1530	310	0.31	263	340	0.34	289	800	1	425	100	0.2	85	5 4,270	3.35	1.2	2,592
ķ	1800		64		1530	310	0.31	284	340	0.34	289	500	1	425	100	0.2	85	5 4,270	3.35	1.2	2.593
June	1880	27	\$	2.7	1530	88	0.3	255	340	0.34	282	200	T	425	100	0.2	85	4,270	3.34	1.2	2,584
July	1800	2.7			1530	စ္တိ	0.3	255	340	0.34	289	200	T	425	100	0.2	85	4,270	3.34	1.2	2.584
Aug.	1800				1530	300	0.3	255	340	0.34	283	200	1	425	100	0.2	85	4,270	3.34	1.2	2.584
ß	180	2.7			1530	300	0.3	255	340	0.34	585	200	1	425	100	0.2	85	5 4.270	3.34	1.2	2,584
ğ	1800	27			1530	300	0.3	255	340	0.34	289	200	1	425	100	0.2	85	5 4,270	3,34	1.2	
ŝ	180	27			1530	8	9.0	210	340	0.34	289	200	-1	425	100	0.2	-85	5 4,270	3.64	1.2	2,839
ų Ž	881	2.7	19		1530	000	9.0	510	340	0.34	289	200	1	425	100	0.2	85	5 4,270	3.64	1.2	
Total	21600	32.4	238	10.8	18360	2100	5.1	4335	4100	4.1	3485	6000	12	ς,	1200	2.4	1020	51,260	41.6	14.4	
Average	1800	2.7	34	2.7	1530	425	0.425	361.25 341.		67 0.34167 290.417	290.417	200		425	100	0.2	85	5 4,272	3.47	1.2	2,692

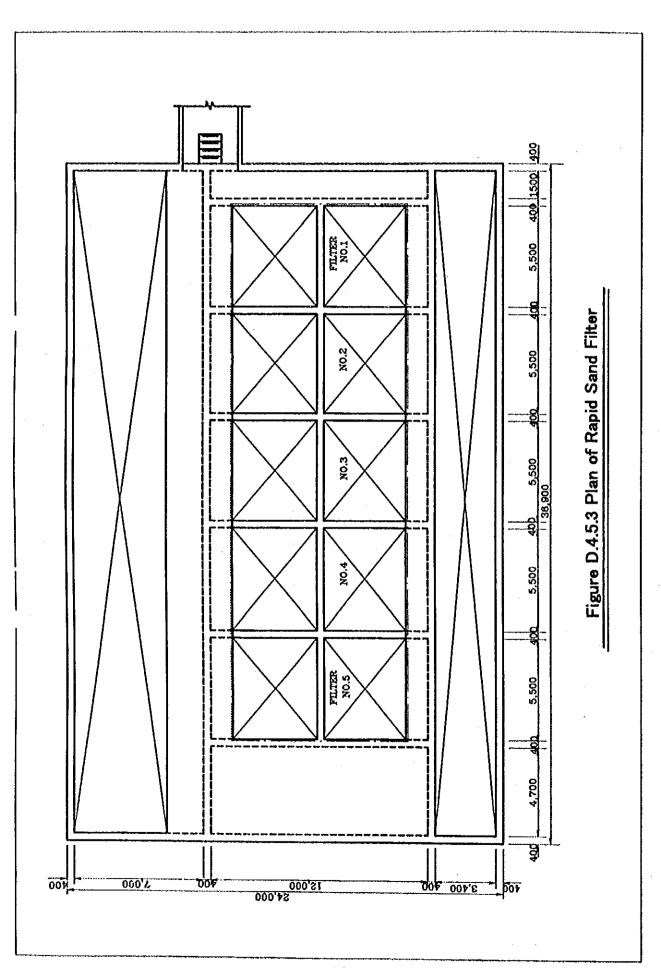
in 1999		Electricity	~- 001	ch kW/h	3,017	2,933	2,847	2,763	2,634	2,636	2,634	2,636	2,634	2,636	2,847	2,848	33,065	2,755
•		-	chlolide	tons	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	14.4	1.2
	Total		chlorine	tons	3.85	3.75	3.65	3.55	3.4	3.4	3.4	3.4	3.4	3.4	3.65	3.65	42.5	3.54
		ŏ	2000	cu.m	4,280	4,280	4,280	4,280	4,280	4,280	4,280	4,280	4,280	4,280	4,280	4,280	51,360	4,280
		Hypochlor Electricity Q	th kW/h		85	\$8	85	85	85	85	85	85	85	85	85	88	1020	\$8
	City wells	<b>Hypoch</b> lor	toms		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4	0.2
		o	thous m3 toms		100	38	18	100	100	100	100	100	100	100	100	100	1200	100
		Hypochlor Electricity	th kW/h	_	425	425	425	425	425	425	425	425	425	425	425	425	5100	425
	No 6 P/S	Hypochlor	tons		1	1	1	1	1	1	1	1	1	1		1	12	
		٥	thous m3 tons		200	200	200	200	200	200	200	200	200	500	500	200	9009	200
	S	Electricity Q	th KW/h		5 297	5 298	5 297	298	297	298	5 297	5 298	5 297	5 298	5 297	5 298	2 3570	5 297.5
	No 3 P/S	Liquid	us n chlorine	tons	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	350 0.35	30 4.2	350 0.35
		Electricity Q	ĝ		680	595 3	510 3	425 3	297 3	298 3:	297 3:	298 3	297 3	298 3:	510 3	510 3	5015 4200	417.917 3:
÷	No 1 P/S	Liquid Elec	orine th k	· ·	8.0	0.7	9'0 .	0.5	0.35	0.35	0.35	0.35	0.35	0.35	9.0	9.0	5.9	ш.
	ž		th kW/l thous n chlorine   th kW/h	tons	800	700	009	2005	320	350	350	350	350	350	89	8	2900	1530 491.67 0.49167
		Liquid Sulphuric Hypoch Electric O	th KW/		1530	1530	2.7 1530	2.7 1530	2.7 1530	2.7 1530	1530	1530	1530	1530	1530	1530	10.8 18360	2.7 1530
	&±;¥	c Hypo	in tons		8	<del>\$</del>	64	5	2	6				L	_	61		8
	Surface WTP	Sulphuri	od alluminu	tons	7 19		L				7				7		4 238	
		Liquic	thous m chlorine alluminuin tons	tors	1800 27	1800 27	1800 2.7	1800 2.7	1800 2.7		1800 2.7	1800	1800 2.7	1800 2.7	1800 2.7	1800 2.7	21600 32.4	1800 2.7
	-	Months	- tog		amuary 1	Februar		April	May	-	L	August	L	L	Novem	Ļ		Average 1
	L	Σ			ŀĘ	<u>  42</u>	Z	3	ĮΣ	Ę	Ž	[₹	<u>کل</u>	Įŏ	ž	Įğ	F	اگا



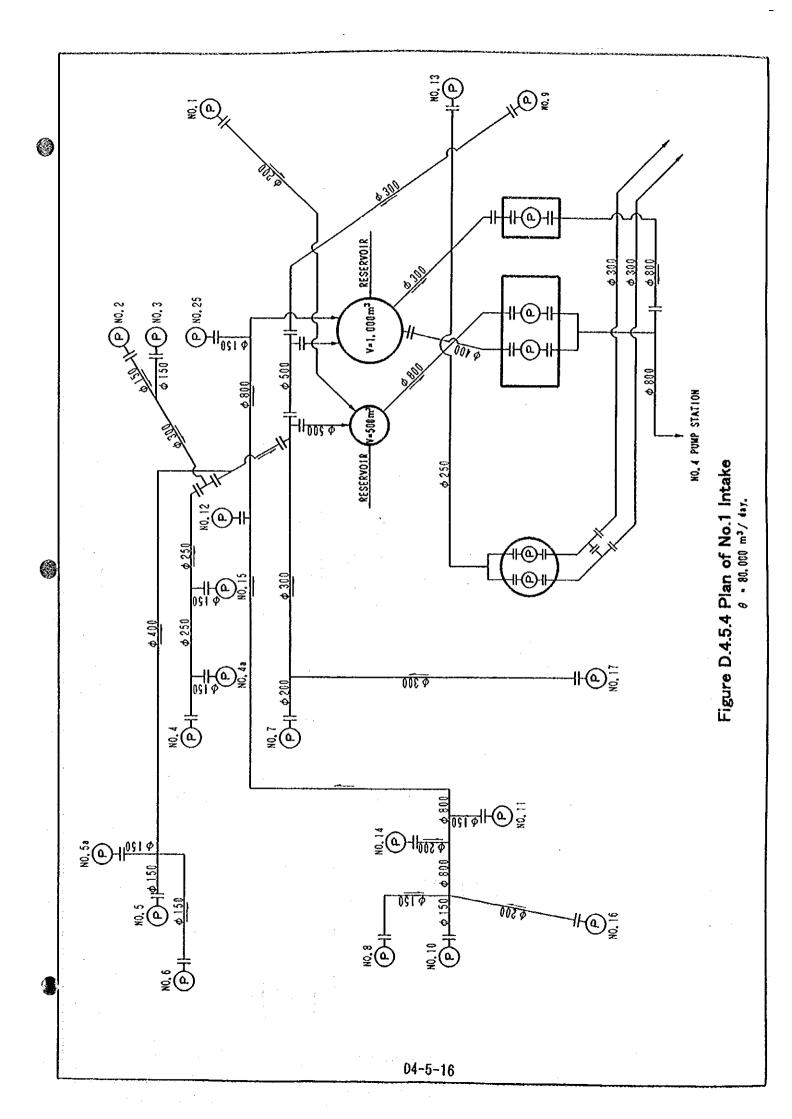


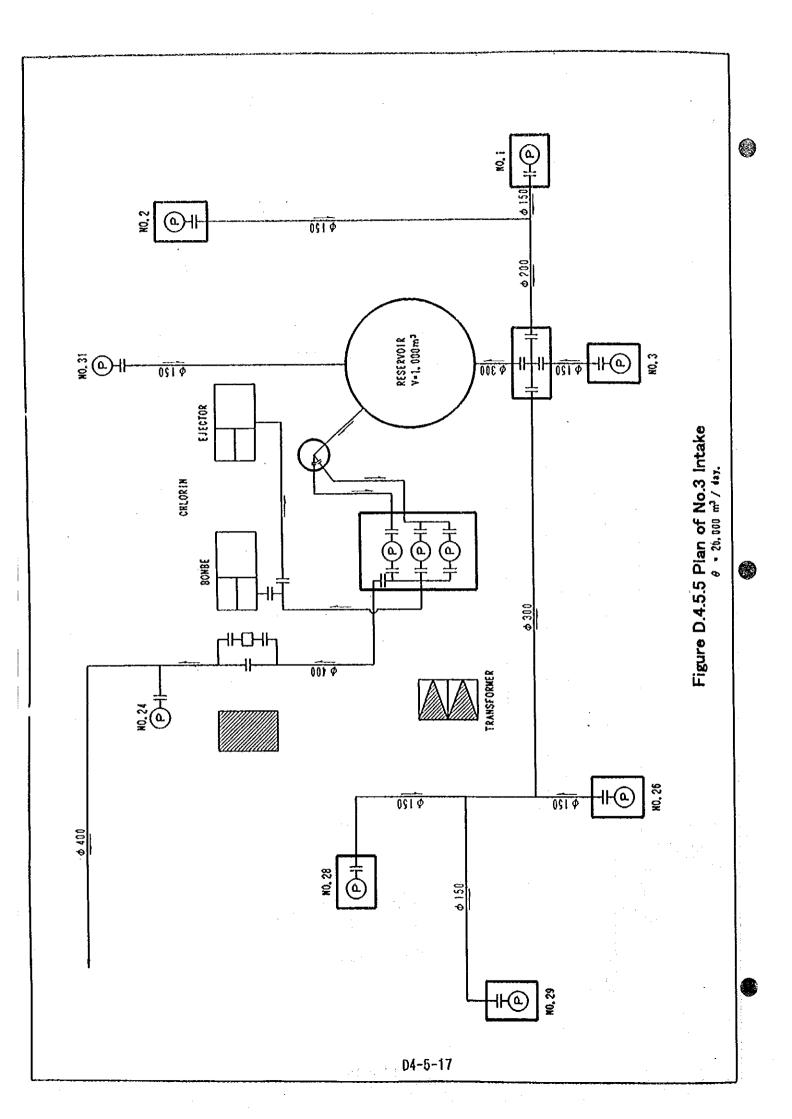


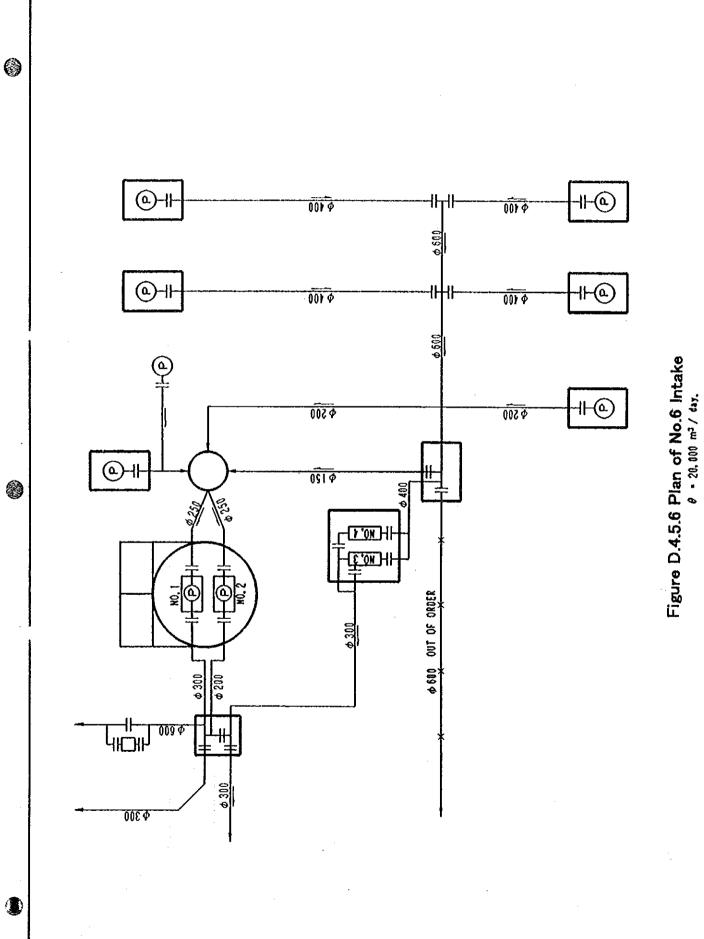


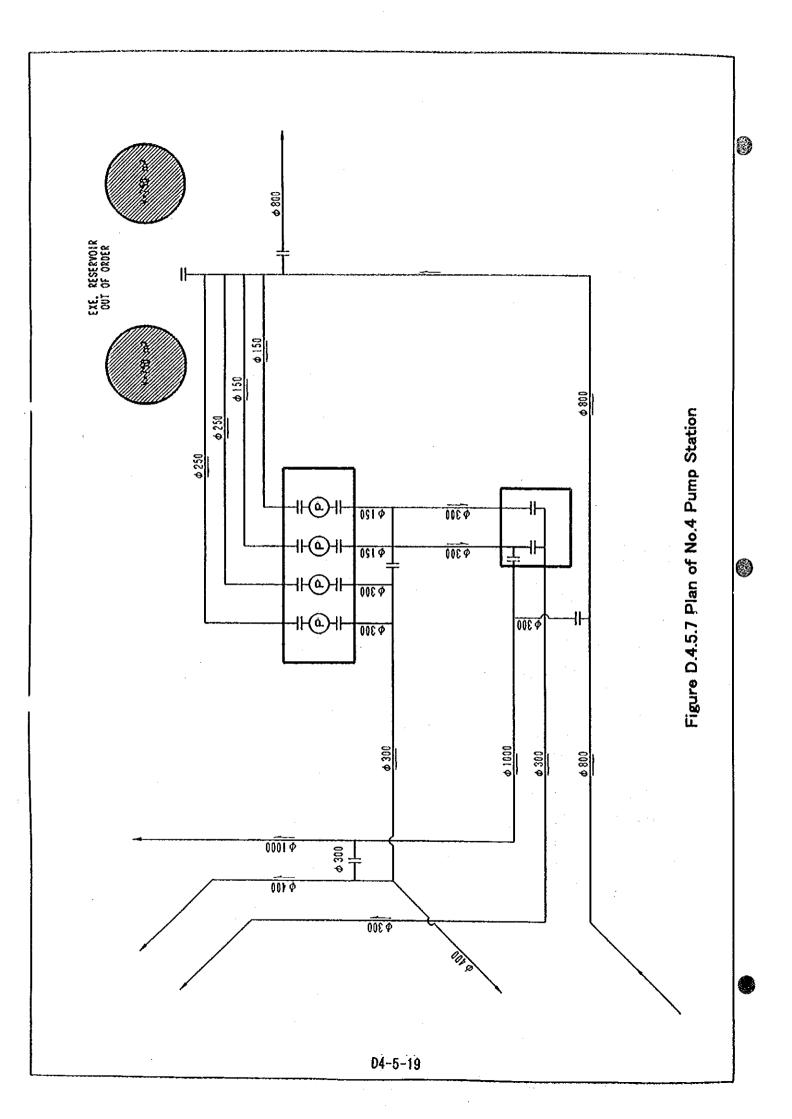


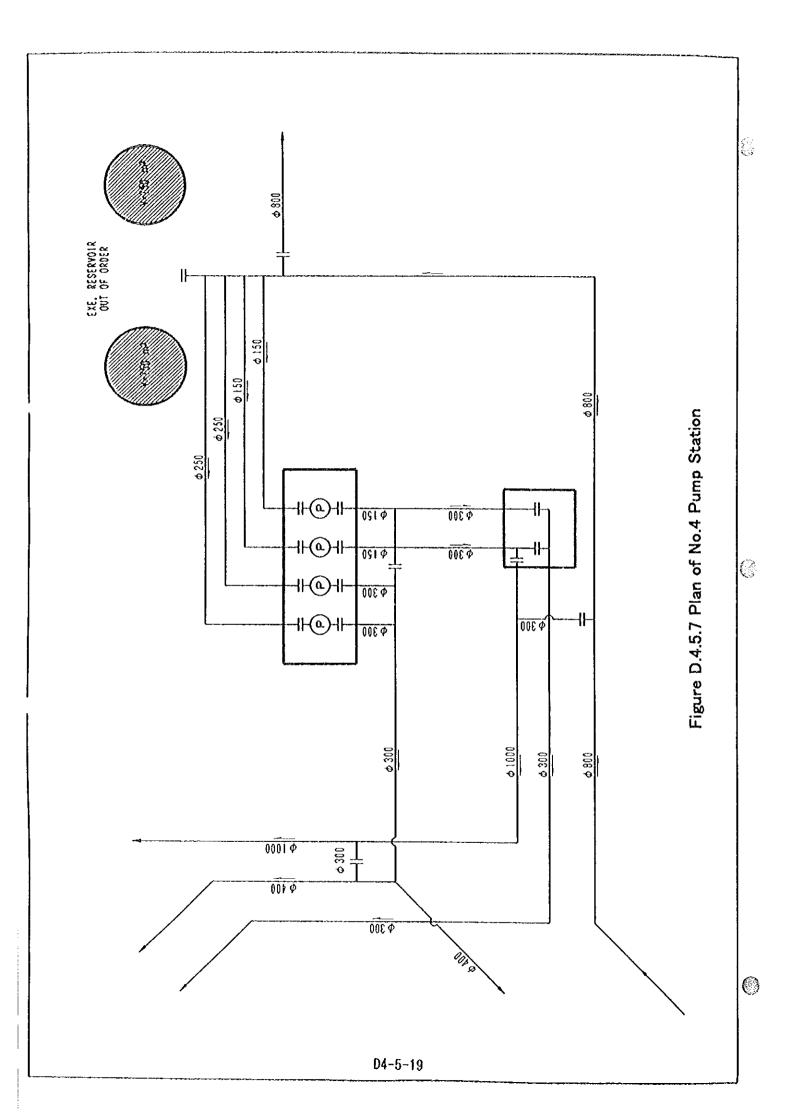
D4-5-15

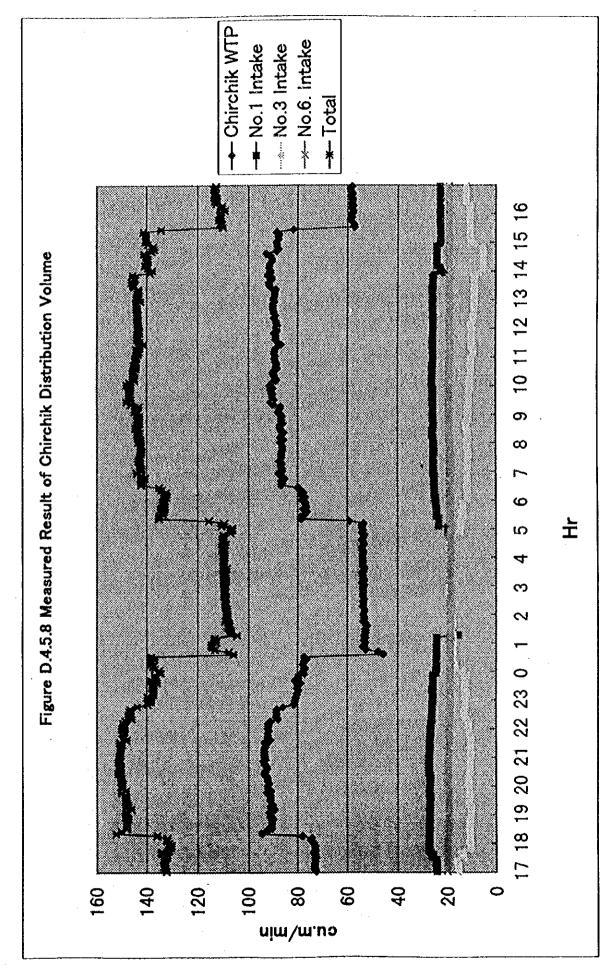












0

()

