From: Mark Southard
Sent: Fri, 24 Jul 2015 11:27:21 -0500
To: Daniel Nix
Cc: Vandegrift, Jillian C.; Amador, Janelle C.
Subject: Re: WRF 4508: Historical Data Collection for River Road WWTP and Cypress Water Treatment Plant
Attachments: Utility Characteristics and Historical Data Template_WichitaFalls.xlsx

Jill,

I have attached the data completed to this point for the Water Plant. I still have data to enter for the 45-day and 30-day Full Scale Verification Studies, but we should have all of that in early next week. I still have a few methods to add to the middle tab as well, but that should be wrapped up this afternoon.

Once all the data is in, I will try to add a few more details here and there.

If you have any questions, please let me know.

On Wed, Jul 22, 2015 at 10:39 AM, Daniel Nix <daniel.nix@wichitafallstx.gov> wrote:

> Jill,
> I have assigned the Water side of the DPR data to Mark Southard at Cypress. I talked to him yesterday and he said he had about half the data input and was still on track to meet the 24th. Thanks for checking up on the project and stay tuned.
>
> On Jul 22, 2015 10:18 AM, "Vandegrift, Jillian C." <vandegriftjc@cdmsmith.com> wrote:
>
> > Hi Daniel,
> >
> > Thanks for leveraging the effort for collecting data for the WRF 4508 project. I received a very complete spreadsheet from Harold Burris regarding the River Road WWTP yesterday! I spoke to them a couple times in the past few weeks to answer clarifying questions, but haven't received any questions regarding the Cypress Water Treatment Plant, so I just wanted to check in and see if there is anything I can assist with or answer from that respect. Does July 24th for the WTP spreadsheet still sound attainable?
> >
> > Thanks again for your help and coordination,
> >
> > **Jill C. Vandegrift |Environmental Engineer| CDM Smith**
> >
> > 555 17th Street, Suite 1100
> >
> > Denver, CO 80202

Office: 303 383 2336 | vandegriftjc@cdmsmith.com

www.cdmsmith.com

From: Daniel Nix [mailto:daniel.nix@wichitafallstx.gov]
Sent: Wednesday, July 08, 2015 12:31 PM
To: Amador, Janelle C.
Cc: Vandegrift, Jillian C.; russell.schreiber@wichitafallstx.gov; Hooper, Jennifer (Smith); Bell, Kati; Crawford, Susan; da Silva, Allegra K.
Subject: Re: WRF 4508: Historical Data Collection for River Road WWTP and Cypress Water Treatment Plant

11:00 am (CST) on Thursday works for my schedule. You can call me at 940-691-1153.

On Wed, Jul 8, 2015 at 1:24 PM, Amador, Janelle C. <amadorjc@cdmsmith.com> wrote:

Hi Daniel,

No worries, I understand that you're really busy and so I just wanted to make sure I touched base with you! Would 11:00 Central time work for you on Thursday or Friday?

Thank you and look forward to working with you,

Janelle Amador

From: Daniel Nix [mailto:daniel.nix@wichitafallstx.gov]
Sent: Wednesday, July 08, 2015 12:17 PM
To: Amador, Janelle C.
Cc: Vandegrift, Jillian C.; russell.schreiber@wichitafallstx.gov; Hooper, Jennifer (Smith); Bell, Kati; Crawford, Susan
Subject: Re: WRF 4508: Historical Data Collection for River Road WWTP and Cypress Water Treatment Plant

Janelle,

Sorry for the delay in getting back with you. I will be available anytime Thursday or Friday to talk. Let me know what time is good for you and I will get it on my calendar.

On Wed, Jul 8, 2015 at 12:51 PM, Amador, Janelle C. <amadorjc@cdmsmith.com> wrote:

Hello Mr. Nix and Mr. Schreiber,

I was sorry to hear that you will be unable to attend the workshop in August. As you know, we're kicking off the data collection process to get the historical data for discussion in that meeting. Are there a couple of available times this week that you could meet with us to go over that?

Thanks so much and please let me know if you have any questions!

Janelle Amador

From: Vandegrift, Jillian C.
Sent: Wednesday, July 01, 2015 1:34 PM
To: daniel.nix@wichitafallstx.gov; russell.schreiber@wichitafallstx.gov
Cc: Hooper, Jennifer (Smith); Bell, Kati; Crawford, Susan; Amador, Janelle C.
Subject: RE: WRF 4508: Historical Data Collection for River Road WWTP and Cypress Water Treatment Plant

Hello Mr. Nix and Mr. Schreiber,

I am emailing in regards to a letter sent on June 23 (below). It would be much appreciated if you could review the email and let us know some available times to discuss your involvement in the WRF 4508 project over a conference call– we would love to set that up for next week to coordinate further!

Thanks very much,

Jill C. Vandegrift |Environmental Engineer| CDM Smith

555 17th Street, Suite 1100

Denver, CO 80202

Office: 303 383 2336 | vandegriftjc@cdmsmith.com

www.cdmsmith.com

From: Amador, Janelle C.
Sent: Tuesday, June 23, 2015 11:08 PM
To: daniel.nix@wichitafallstx.gov; russell.schreiber@wichitafallstx.gov
Cc: Hooper, Jennifer (Smith); Bell, Kati; Vandegrift, Jillian C.; Crawford, Susan
Subject: WRF 4508: Historical Data Collection for River Road WWTP and Cypress Water Treatment Plant

Hello Mr. Nix and Mr. Schreiber,

First thank you all for agreeing to participate in the Water Research Foundation Project *Assessment of Techniques to Evaluate and Demonstrate the Safety of Water from Direct Potable Reuse (DPR) Facilities*. We are gearing up to start the first phase of the project, which includes conducting focused case studies with an emphasis on identification of monitoring and control tools applicable to potable reuse. We would appreciate your help in acquiring information needed to critically evaluate their use. We would like to obtain the following information to the extent that it is available for your facility:

- One year's historical data (daily) including:
    - On-line monitoring data and results from sampling and analysis for source water, finished water, and intermediate sampling points (see attached table for example parameters).
    - Operations (such as flow rates, backwash approach and frequency, filter change out schedule, etc.);

- Maintenance (such as replacement of major equipment, underdrains, etc.); and

- Other feedback on overall design, monitoring, operations, control, and performance.

Jill Vandegrift and Jen Hooper will be assisting me in collecting and analyzing these data. We would like to schedule a phone call with you to go over specific information that is available next week and determine the most efficient way to obtain this information. Please let me know when would be a good time for you, and we will set up a call. We are looking forward to working with you!

Thank you,

Janelle Amador

CDM Smith
14432 S.E. Eastgate Way, Suite #100, Bellevue, WA 98007
phone: 425.519.8300 | direct: 425.519.8387 | fax: 425.746.0197
email: amadorjc@cdmsmith.com | www.cdmsmith.com

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Daniel K. Nix
Public Utilities Operations Manager
City of Wichita Falls
Physical Address: 4801 Big Ed Neal Drive, Wichita Falls, Texas 76310

Mailing Address: P.O. Box 1431, Wichita Falls, Texas 76307

940-691-1153 FAX: 940-691-4121

Daniel.Nix@wichitafallstx.gov

Those who have the privilege to know have the duty to act. ~Albert Einstein

--

Daniel K. Nix
Public Utilities Operations Manager
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Mailing Address: P.O. Box 1431, Wichita Falls, Texas 76307

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Daniel.Nix@wichitafallstx.gov

Those who have the privilege to know have the duty to act. ~Albert Einstein

--

Mark Southard
City of Wichita Falls
Water Source/Purification Superintendent
940-691-1153
940-691-4121 Fax

Facility Information

Fill in the blanks as you can. Yellow text boxes such as this one include instructions and hints to help f
information we are looking for.

Utility	City of Wichita Falls
Facility	Cypress Water Treatment Plant
City	Wichita Falls
State	Texas
Lead Contact Name	Mark Southard
Lead Contact Phone	940-691-1153
Lead Contact Email	mark.southard@wichitafallstx.gov
Design Flow (MGD)	10 MGD
Source Water Name	Treated WW Effluent/Surface Water

Source Water Type

Approximate Percent of Water From			
Groundwater	River	Reservoir	Lake
			50

Treatment Plant Process Description

Wastewater Treatment Plant			
Process	Type	Average Dose/ Contact Time	Max
Bar Screen			
Grit Chamber			
Primary Treatment	Clarification		
	Fine Screen		
Coagulation			
Flocculation			
Settling			-
Secondary Treatment	Membrane Bioreactor	-	
	Activated Sludge		
	Trickling Filters		
	Rotating Biological Contactors		
	Other:		
Tertiary Treatment	Depth Filtration		
	Surface Filtration		
Filtration	Dissolved Air Flotation		
	Ultrafiltration		
	Microfiltration		
	Nanofiltration		
	Reverse Osmosis		
Other	Electrodialysis		
	Advanced Oxidation		
	Carbon Adsorption		
	Exchange		
Disinfection	Chlorination		
	UV		
	Ozone		

Background Information

Provide a detailed description of any of the following experienced at your Utility.

Do you currently operate a direct potable reuse (DPR) or indirect potable reuse (IPR) treatment s

Direct Potable Reuse

If you operate an IPR scheme, is it a planned reuse or *de facto* reuse operation?

If you operate either DPR or IPR, what planning activities took place prior to, during, and/or afte

Routing pipeline for tranfer of treated WW effluent, cross connection control construction in Water Pla
Full Scale Verification testing for DPR process, installation of UV Syst

List any major events affecting water quality in the past year (i.e. flooding, process upsets, changes in infrastructure)

Were there any process design changes or major maintenance in the last year (date of change)?

Installation of Trojan UV, February, 2015. Install new RO membranes, Octob

fill in the

WWTP Effluent	Sewershed
50	

Min	Dose Units	Process
		Pre-Oxidant
		Coagulant Type:
		Settling
		Membrane Filtration
		UV
	-	Blend
		Disinfectant
		Coagulant Type:
		Flocculation Polymer Type:
		Settling
		Filtration
		Disinfectant

scheme?

r implementation?

ant, testing of treated WW effluent,
em

?

ber, 2014.

Analytical Methods

Fill in the sampling method, limit of detection, and how frequently the analyte(s) are measured. Add any other relev
analyses performed at the bottom of the table

Analyte	Type	Limit of Detection	Method	Condu
				On-site
Alkalinity	Grab-sampling	1 ppm		√
	Online			
Ammonia	Grab-sampling	0.1 ppm		√
	Online			
ATP	Grab-sampling			
	Online			
Biochemical Oxygen Demand (BOD, 5-day average)	Grab-sampling			
	Online			
Chlorate	Grab-sampling	0.01 ppm	EPA 300.0	√
	Online			
Chloride	Grab-sampling	0.01 ppm	EPA 300.0	√
	Online			
Chlorine	Grab-sampling			
	Online			
Chloramines	Grab-sampling	0.1 ppm		√
	Online	0.1 ppm		√
Chlorite	Grab-sampling	0.01 ppm	EPA 300.0	√
	Online			
Coliform, Total	Grab-sampling	0.02 MPN	SM 9223	√
	Online			
Coliform, Fecal	Grab-sampling	0.02 MPN	SM 9223	√
	Online			
Color	Grab-sampling	1 CU		√
	Online			
Conductivity	Grab-sampling	1 us/cm		√
	Online			
Coliphage, male-specific or somatic	Grab-sampling			
	Online			
C. perfringens	Grab-sampling			
	Online			
Cryptosporidium	Grab-sampling	Dependent on sample size	EPA 1623	
	Online			
Disinfection Byproducts	Grab-sampling			
	Online			
Dissolved Oxygen	Grab-sampling			
	Online			
E. Coli	Grab-sampling	0.02 MPN	SM 9223	
	Online			
Enterococci	Grab-sampling			
	Online			
Giardia	Grab-sampling	Dependent on sample size	EPA 1623	
	Online			
HAAs	Grab-sampling			
	Online			
Hardness	Grab-sampling	1 ppm		√
	Online			

Analyte	Type	Limit of Detection	Method	Condu
				On-site
Heterotrophic Plate Count (HPC)	Grab-sampling			
	Online			
Iron/Manganese	Grab-sampling	0.1 ppm		√
	Online			
Metals	Grab-sampling			
	Online			
Nitrite	Grab-sampling	0.03 ppm	EPA 300.0	√
	Online			
Nitrate	Grab-sampling	0.03 ppm	EPA 300.0	√
	Online			
Orthophosphorous	Grab-sampling			
	Online			
pH	Grab-sampling	0.01 SU		√
	Online			
Phosphate	Grab-sampling			
	Online			
Sulfate	Grab-sampling	0.03 ppm	EPA 300.0	√
	Online			
Temperature	Grab-sampling	0.1 F		√
	Online			
THM	Grab-sampling			
	Online			

Analyte	Type	Limit of Detection	Method	Condu
				On-site
Total Dissolved Solids	Grab-sampling	0.1 ppm		√
	Online			
Total Kjeldahl Nitrogen (TKN)	Grab-sampling			
	Online			
Total Organic Carbon	Grab-sampling	0.01 ppm		√
	Online			
Trace Chemical Constituents	Grab-sampling			
	Online			
Turbidity	Grab-sampling	0.01 NTU		√
	Online	0.001 NTU		√
UV254	Grab-sampling			
	Online			
Volatile Organic Compounds (VOCs)	Grab-sampling			
	Online			
Wastewater tracer (i.e., sucralose)	Grab-sampling			
	Online			

vant

ucted:	Monitoring Frequency: **Water Treatment Plant**					
Off-site	Source Water	Unit Process 1	Unit Process 2	Unit Process 3	Unit Process 4	Finished Water
√						
√						

ucted:	Monitoring Frequency: **Water Treatment Plant**					
Off-site	Source Water	Unit Process 1	Unit Process 2	Unit Process 3	Unit Process 4	Finished Water

ucted:	Monitoring Frequency: **Water Treatment Plant**					
Off-site	Source Water	Unit Process 1	Unit Process 2	Unit Process 3	Unit Process 4	Finished Water

Historical Data

Below is a sample of the information we hope to receive and the general format we would like to work with. Pleas
finished water). It is important to provide Time and Date associated with data, when possible.

		WWTP, after chlorination, prior to pump intake		Flow Control Vault				
Number of Data Points Averaged		**1**	**1**	3	3	3	3	3
Date	Plant Influent (MGD)	Crypto oocysts/l	Giardia cysts/l	Mono-Cl	pH	Temp	Flow (MGD)	Turbidity (NTU)
1/1/2014								
1/2/2014								
1/17/2014						13.4	2.2	
1/18/2014						12.7	2.2	
1/19/2014						15.8	2.2	
1/20/2014						15.7	2.2	
1/21/2014						14	2.2	
1/22/2014						12.5	2.2	
1/23/2014						8.4	2.2	
1/24/2014						8.6	2.2	
1/25/2014						12.9	2.2	
1/26/2014						15.4	2.2	
1/27/2014						9.7	2.2	
1/28/2014						8.9	2.2	
1/29/2014						10.9	2.2	
1/30/2014						12.3	2.2	
1/31/2014						12.4	2.2	
2/1/2014						11.2	2.2	
2/2/2014						9.3	2.2	
2/3/2014						10	2.2	
2/4/2014						10.8	2.2	
2/5/2014						8.9	2.2	
2/6/2014						6.9	2.2	
2/7/2014						9.2	2.2	
2/8/2014						11.5	2.2	
2/9/2014						9	2.2	
2/10/2014						8.9	2.2	
2/11/2014						8.3	2.2	
2/12/2014						11.1	2.2	
2/13/2014						13.1	2.2	
2/14/2014						12.7	2.2	
2/15/2014						16.4	2.2	
2/16/2014						18.2	2.2	
2/17/2014						18.5	2.2	
2/18/2014						16.1	2.2	
2/19/2014						18.9	2.2	
2/20/2014						18.5	2.2	
2/21/2014						15.1	2.2	
2/22/2014								
2/23/2014								
2/24/2014								

2/25/2014					
2/26/2014					
2/27/2014					
2/28/2014					
5/9/2014					
5/10/2014					
5/11/2014					
5/12/2014					
5/13/2014					
5/14/2014					
5/15/2014					
5/16/2014					
5/17/2014					
5/18/2014					
5/19/2014					
5/20/2014					
5/21/2014					
5/22/2014					
5/23/2014					
5/24/2014					
5/25/2014					
5/26/2014					
5/27/2014					
5/28/2014					
5/29/2014					
5/30/2014					
5/31/2014					
6/1/2014					
6/2/2014					
6/3/2014					
6/4/2014					
6/5/2014					
6/6/2014					
6/7/2014					
6/8/2014					
6/9/2014					
6/10/2014					
6/11/2014					
6/12/2014					
6/13/2014					
6/14/2014					
6/15/2014					
6/16/2014					
6/17/2014					
6/18/2014					
6/19/2014					
6/20/2014					
6/21/2014					
7/9/2014	1.6	6.8	28.7	3.9	2.2
7/10/2014	2.1	6.8	28.3	5	2.6
7/11/2014	2.5	6.8	27.9	5.3	2.9
7/12/2014	2.2	6.8	28.4	5.3	2.2
7/13/2014	2.5	6.7	28.6	5.5	2.6

7/14/2014	0.265	8.73	2.3	6.7	26.4	5.4	2.5
7/15/2014			2.4	6.7	27.2	5.3	2.1
7/16/2014			2	6.7	26.4	5.4	1.7
7/17/2014			1.8	6.6	23.9	6	1.2
7/18/2014			3.2	6.8	23.1	7	4.4
7/19/2014			2.8	6.7	25.1	7.2	2.7
7/20/2014			2.9	6.7	26.8	7.3	2.6
7/21/2014			2.5	6.7	28.2	7.5	1.8
7/22/2014			2.8	6.8	28.9	7.5	1.9
7/23/2014			2.5	6.8	29.3	6.2	2
7/24/2014			2.6	6.7	29	6.1	1.5
7/25/2014			2.5	6.7	29.3	7	1.7
7/26/2014			2.2	6.7	29.5	7.1	1.5
7/27/2014			2	6.7	32	7.3	1.9
7/28/2014			2.1	7	26	6.6	1.4
7/29/2014			2.1	6.6	26.2	7.2	2.4
7/30/2014			2.2	6.7	26.2	7.1	2.1
7/31/2014			2.6	6.7	25.8	7.2	2.1
8/1/2014			2.9	6.6	27.3	7.2	1.9
8/2/2014			3.3	6.6	28.7	7.3	1.8
8/3/2014			2.3	6.5	28.3	7.2	2.1
8/4/2014			2.9	6.6	28.1	7.2	2.1
8/5/2014			2.7	6.6	27.6	7.2	1.9
8/6/2014			2.5	6.6	28.9	7.2	1.7
8/7/2014			2.4	6.7	29.5	7.2	1.5
8/8/2014			3	6.7	29.5	7.2	1.6
8/9/2014			2.7	6.6	28.9	7.1	1.5
8/10/2014			2.1	6.4	29	7.2	1.4
8/11/2014			2.6	6.5	28.9	7.2	1.6
8/12/2014			2.5	6.6	29.7	7.1	1.8
8/13/2014			2.7	6.6	28.2	7.2	1.9
8/14/2014			2.3	6.6	27.7	7.1	1.8
8/15/2014			1.7	6.7	29.1	7.2	1.9
8/16/2014			2.5	6.6	27.5	7.2	2.3
8/17/2014			1.9	6.6	29.1	7.2	2.3
8/18/2014			2.5	6.6	29	7.1	1.9
8/19/2014			2.3	6.7	28.1	7.1	1.9
8/20/2014			2.3	6.7	29.9	7.2	1.9
8/21/2014			2.7	6.7	28.7	7.2	1.7
8/22/2014			2.5	6.7	30.8	7.2	1.7
8/23/2014			2.1	6.5	29.7	7.2	1.8
8/24/2014			3	6.5	28.7	7.1	1.9
8/25/2014			2	6.5	29.3	7.2	2.5
8/26/2014			2.4	6.6	29.5	7.1	1.7
8/27/2014	1.06	12.7	2.3	6.5	29.7	7.2	3.5
8/28/2014			2.8	6.6	28	7.3	3.1
8/29/2014			2.6	6.5	27.3	7.3	2.7
8/30/2014			3.2	6.5	27.4	7.3	1.8
8/31/2014			2.7	6.5	28.9	7.2	2.2
9/1/2014			2.5	6.4	29.2	7.2	2.3
9/2/2014	< 2.646	15.87	2.3	6.4	29.6	7.3	2.3
9/3/2014			2.1	6.6	29.5	7.4	1.9
9/4/2014			2.2	6.5	29.4	7.2	1.6
9/5/2014			2.6	6.7	28.9	7.3	1.8
9/6/2014			1.6	6.6	25	7.3	1.6

9/7/2014			2.6	6.5	26.5	7.2	1.9
9/8/2014			2.7	6.5	28.1	7.2	1.9
9/9/2014			2.2	6.6	28.8	7.3	2.2
9/10/2014			2.1	6.5	28.1	7.3	2.2
9/11/2014			2.7	6.6	26	7.2	2.2
9/12/2014			2.7	6.4	23.8	7.2	1.6
9/13/2014			2.2	6.4	23	7.2	2
9/14/2014			2.4	6.4	24.2	7.2	1.5
9/15/2014			2.7	6.4	28.1	7.3	2.6
9/16/2014			3	6.6	26.9	7.3	2.4
9/17/2014			2.9	6.6	27.5	7.2	1.9
9/18/2014			2.4	6.6	26.9	7.2	2
9/19/2014			2.2	6.6	26.9	7.2	1.9
9/20/2014			2	6.7	26.9	7.3	2.3
9/21/2014			2.5	6.5	27.7	7.2	2.3
9/22/2014			2.3	6.5	27	7.2	2.1
9/23/2014			2.5	6.6	25.9	7.2	3
9/24/2014			2.6	6.5	25.3	7.2	2.8
9/25/2014			2.5	6.5	25.3	21.8	3.2
9/26/2014			2.6	6.5	25.6	7.3	3
9/27/2014			2.2	6.5	25.4	7.2	3.4
9/28/2014			2.5	6.5	25.2	7.2	2.5
9/29/2014			2.7	6.4	26.4	7.2	1.9
9/30/2014			2.1	6.5	25.8	7.2	2.4
10/1/2014			2.3	6.4	26.7	7.2	2.3
10/2/2014			2.1	6.5	26.2	7.2	2.1
10/3/2014			2.3	6.8	25.2	7.1	1.7
10/4/2014			2.1	6.6	21.6	6.9	1.3
10/5/2014			2.3	6.6	24.1	7	2.2
10/6/2014	4.35	7.61	2.4	6.6	25.2	7.3	2.5
10/7/2014			3	6.7	26.3	7.2	2.1
10/8/2014			2.6	6.6	26.4	7.2	1.8
10/9/2014			2.3	6.5	24.6	7.1	2
10/10/2014			2.2	6.6	25.3	7.2	2
10/11/2014			2.1	6.4	22.1	7.1	1.9
10/12/2014			2.1	6.4	23.2	7	2.1
10/13/2014			2.4	6.3	22.1	7	2.2
10/14/2014			2.2	6.5	22.4	7	2
10/15/2014			1.8	6.6	22.8	6.9	2.5
10/16/2014			2.4	6.4	23.5	6.9	2.8
10/17/2014			1.6	6.5	23.8	7	2.6
10/18/2014			1.9	6.4	23.9	7	3.9
10/19/2014			2.2	6.6	23.1	7	3
10/20/2014			2	6.6	24.2	7	3.1
10/21/2014			2.2	6.6	24.1	7.1	3.2
10/22/2014			2.1	6.5	22.8	7	2.8
10/23/2014			2.5	6.4	25	7	3.3
10/24/2014			1.9	6.4	23	7	3.9
10/25/2014			2.3	6.6	21.2	6.9	3.5
10/26/2014			2.1	6.5	24.9	7	3
10/27/2014			2.1	6.5	25.2	7	2.2
10/28/2014			2.3	6.6	23.1	7	2.5
10/29/2014			2.1	6.5	22	6.8	2.2
10/30/2014			1.9	6.5	22.9	6.9	2.1
10/31/2014			2	6.6	21.7	6.6	3.2

11/1/2014			2.1	6.7	20.7	6.9	2.1
11/2/2014			1.8	6.5	20.2	7	1.7
11/3/2014	1.12	40.22	2.5	6.4	21.7	7	3.1
11/4/2014			2.4	6.4	20	6.9	1.9
11/5/2014			2.6	6.6	20	7	1.9
11/6/2014			2	6.5	21.1	7	2.2
11/7/2014			2.8	6.5	20.8	7	2.2
11/8/2014			3	6.6	20.1	7	1.5
11/9/2014			3.1	6.6	20.9	6.9	1.7
11/10/2014			3.5	6.5	23.1	7	1.6
11/11/2014			3.2	6.6	17.8	6.8	2
11/12/2014			3.1	6.5	16.4	6.9	1.6
11/13/2014			2.8	6.6	15.5	6.7	4
11/14/2014			2.9	6.6	15.4	6.7	3.7
11/15/2014			3.4	6.5	17.9	6.8	1.9
11/16/2014			2.6	6.7	15.3	6.6	1.3
11/17/2014	0.265	8.201	3.5	6.6	15.5	6.8	2
11/18/2014			2.9	6.7	17.1	6.7	2.7
11/19/2014			2.9	6.7	18.5	6.7	3.9
11/20/2014			2.9	6.7	18.8	6.8	3.9
11/21/2014			2.8	6.6	20	6.8	1.7
11/22/2014			2	6.7	18.5	6.9	2
11/23/2014			2.2	6.6	19.3	6.9	4.1
11/24/2014			3.7	6.6	17.5	6.8	2.9
11/25/2014			3.5	6.7	15.8	6.8	1.9
11/26/2014			3.1	6.7	17.7	6.8	1.8
11/27/2014			2.8	6.7	17.6	6.8	2.4
11/28/2014			2.9	6.8	18.7	6.8	2
11/29/2014			3	6.7	19.9	6.8	1.7
11/30/2014			2.9	6.9	19.4	6.9	1.4
12/1/2014	< 1.250	17.5	2.7	6.6	16.1	6.7	1.9
12/2/2014			2.7	6.4	15.1	6.8	4.6
12/3/2014			2.6	6.6	15.4	6.8	2.7
12/4/2014			3	6.6	18.4	6.8	2.3
12/5/2014			3.1	6.6	19.6	6.8	1.9
12/6/2014			2.4	6.5	18.8	6.8	2.1
12/7/2014			3.2	6.6	18.1	6.8	1.8
12/8/2014			3.3	6.5	18.4	6.7	2.8
12/9/2014			3.3	6.7	17.3	6.7	2.7
12/10/2014			2.6	6.8	18.6	6.8	2.5
12/11/2014			3.2	6.8	19.4	6.9	2.2
12/12/2014			3	6.7	19.7	6.8	2.4
12/13/2014			2.5	6.7	19.5	6.8	2.8
12/14/2014			2.2	6.6	20.4	6.8	2.8
12/15/2014			3	6.8	18.4	6.8	3.8
12/16/2014			3	6.6	17.1	6.8	2.2
12/17/2014			3.1	6.8	14.9	6.8	4.6
12/18/2014			2.9	6.8	17.1	6.9	2.5
12/19/2014			2.4	6.8	17.2	6.8	1.5
12/20/2014			2.6	6.7	17.4	6.8	2.7
12/21/2014			3	6.9	17.5	6.9	2.1
12/22/2014			2.9	6.7	17.3	6.9	3
12/23/2014			3.3	6.6	16.3	6.8	3.1
12/24/2014			2.4	6.8	15.5	6.8	2.7
12/25/2014			3.1	6.7	15	6.8	3.3

12/26/2014			3	6.6	17.7	6.8	2.4
12/27/2014			3	6.6	15.8	6.8	2.5
12/28/2014			3.3	6.6	15.4	5.5	2.3
12/29/2014			2.3	6.5	15.3	4.8	2.9
12/30/2014			2.6	6.6	13.7	6.8	4.7
12/31/2014			2.8	6.7	10.6	5.4	2.8
1/1/2015			2.5	6.5	13.3	4.8	3.2
1/2/2015			2.7	6.6	13.7	4.8	2.7
1/3/2015			2.9	6.6	13.3	4.8	4.9
1/4/2015			3.1	6.6	13.2	4.7	3.2
1/5/2015	< 1.309	17.016	3.4	6.6	13.9	4.8	4.1
1/6/2015			3	6.7	14	4.8	2.5
1/7/2015			3	6.6	11.7	4.8	3.4
1/8/2015			2.8	6.7	11.6	4.8	4.7
1/9/2015			3.2	6.8	11.8	4.8	10.6
1/10/2015			3	6.7	12.9	4.8	2.9
1/11/2015			3	6.7	13.8	4.8	2.1
1/12/2015			3	6.7	12.8	4.8	3
1/13/2015			3	6.7	12.1	4.8	2.2
1/14/2015			3.4	6.7	12.6	4.8	2.5
1/15/2015			2.9	6.7	13.8	4.8	1.8
1/16/2015			1.7	6.7	13.4	4.8	2.3
1/17/2015			3.2	6.7	15.4	4.8	2
1/18/2015			2.8	6.7	15	4.8	2.2
1/19/2015			3.3	6.7	17.2	4.8	2
1/20/2015			3.1	6.7	17	4.9	2.1
1/21/2015			3.3	6.8	16.4	4.8	1.6
1/22/2015			3.3	6.9	11.4	5.6	2.6
1/23/2015			3.6	6.8	13.9	6.9	1.7
1/24/2015			3.8	6.8	15.1	6.3	1.7
1/25/2015			3.2	6.8	15	4.8	1.6
1/26/2015			3.5	6.8	16.6	6.3	1.8
1/27/2015			3.5	6.8	17.8	6.9	1.7
1/28/2015			3.6	6.8	18.9	6.7	1.3
1/29/2015			3.2	6.9	16.8	6.6	1.3
1/30/2015			3.7	6.9	18	6.7	1.6
1/31/2015			2.6	6.7	14	6.6	2
2/1/2015			3.3	6.8	15.3	6.7	1.9
2/2/2015	1.333	16	3.3	6.8	15.6	6.7	2.9
2/3/2015			2.8	6.7	15.3	6.7	1.9
2/4/2015			3.5	6.8	13.8	6.8	1.6
2/5/2015			3.4	6.7	13.2	6.8	1.9
2/6/2015			3.5	6.6	15.1	6.8	1.6
2/7/2015			3.4	6.7	16.3	6.9	1.5
2/8/2015			3.1	6.6	17.7	6.8	1.7
2/9/2015			2.9	6.6	18.3	6.8	1.6
2/10/2015			4	6.4	19	6.8	2.1
2/11/2015			2.8	6.6	17.7	6.8	1.8
2/12/2015			2.8	6.4	15.8	6.1	2
2/13/2015			3.1	6.6	15.7	5	2.3
2/14/2015			3	6.6	18.1	6.8	1.9
2/15/2015			2.8	6.4	16.4	6.8	2.4
2/16/2015			3	6.5	13.2	6.8	1.8
2/17/2015			3.4	6.4	14.8	6.7	2.9
2/18/2015			3.2	6.5	15	6.7	2.1

2/19/2015				3.8	6.5	15.6	6.8	2.8
2/20/2015				2.8	6.6	17.6	6.8	2.4
2/21/2015				2.8	6.3	16.9	6.8	2.9
2/22/2015				3.4	6.5	14.3	6.7	2.7
2/23/2015				3	6.5	10.7	6.7	2.8
2/24/2015				2.8	6.5	10.1	6.7	2.8
2/25/2015				2.9	6.6	15.1	6.8	2.8
2/26/2015				2.6	6.6	13.5	6.7	2.4
2/27/2015				3	6.5	12.5	6.7	3.2
2/28/2015				3	6.7	12.3	6.7	3.2
3/1/2015				3.4	6.8	12.3	6.7	3.3
3/2/2015		< 1.16	62.65	3	6.6	11.8	6.7	3.3
3/3/2015				3.2	6.5	14.6	3.1	3.1
3/4/2015				3.1	6.7	11.2	6.8	3.1
3/5/2015				3.9	6.8	11.5	6.8	2.4
3/6/2015				3.6	6.7	13.8	6.7	2.5
3/7/2015				3.4	6.8	15.7	6.8	3.6
3/8/2015				3.2	6.8	16.4	6.7	3.7
3/9/2015				3.7	6.7	14.8	6.7	3.4
3/10/2015				3.2	6.7	16.6	6.7	5.2
3/11/2015				3.1	6.8	16.6	6.7	3.8
3/12/2015				3.4	6.8	18.5	6.7	4.3
3/13/2015				3.2	6.9	18	6.7	3.5
3/14/2015				3.2	7.1	19.3	6.8	3.8
3/15/2015				3.5	6.8	18.2	6.7	4.7
3/16/2015				3.5	6.8	18.2	6.7	4.9
3/17/2015				3.5	6.7	19.6	6.8	3.5
3/18/2015				3.7	6.9	18.3	6.8	3.5
3/19/2015				3.6	6.8	18.7	6.9	4.6
3/20/2015	off line							
3/21/2015				3.6	6.5	16.7	7	5.8
3/22/2015				3.5	6.8	17.5	6.3	5.6
3/23/2015				3.3	6.7	18.8	6.8	6.3
3/24/2015				3.7	6.8	20	6.9	4.3
3/25/2015				3.2	6.8	21	6.9	5
3/26/2015				2.7	6.9	17.8	6.8	4
3/27/2015				4	6.9	18.8	6.9	3.8
3/28/2015				3.2	6.8	20.5	6.9	3.8
3/29/2015				3	6.8	20.4	6.8	3.5
3/30/2015				4	6.7	19.5	7	2.8
3/31/2015				3	6.7	22.2	6.9	2.6
4/1/2015				2.6	6.7	22.6	6.9	2.8
4/2/2015				2.8	6.8	22.8	6.9	2.3
4/3/2015				2.9	6.8	20.8	6.9	2.1
4/4/2015				2.5	6.8	22.2	7	1.9
4/5/2015				2.8	6.8	17.6	6.9	2.4
4/6/2015		< 1.323	18.519	2.9	6.7	19.2	7	2.5
4/7/2015				3.1	6.7	21.6	7.2	2.2
4/8/2015				3.1	6.8	21.7	7	2.2
4/9/2015				2.9	6.8	22.9	7.1	1.7
4/10/2015				3.1	6.8	19.3	7	1.7
4/11/2015				3	6.8	20.3	6.9	2
4/12/2015				3.2	6.8	21.5	7	2.1
4/13/2015				3.1	6.7	20.2	6.9	1.7
4/14/2015				3.1	6.7	18.7	6.8	2.6

4/15/2015			3.2	6.9	19.2	6.9	2
4/16/2015			3	6.9	20.5	6.8	1.8
4/17/2015			2.5	6.9	20.6	4.7	1.7
4/18/2015			2.8	6.7	21.9	6.9	2.2
4/19/2015			2.9	6.8	19.8	6.7	2
4/20/2015			2.9	6.8	19.7	6.9	1.8
4/21/2015			2.9	6.8	21.2	6.8	1.9
4/22/2015			2.5	6.9	21.6	6.9	2
4/23/2015			2.6	6.9	20.9	6.9	2.2
4/24/2015			2.8	6.9	21.2	6.9	1.8
4/25/2015			2.9	6.9	22.8	6.9	2.1
4/26/2015			3.5	6.8	22.1	6.9	2.3
4/27/2015			2.4	6.8	19	6.8	3.8
4/28/2015			2.5	7	19.1	6.9	6.3
4/29/2015			2.3	7	18.9	6.9	3.6
4/30/2015			2.8	7	23.7	6.8	2.7
5/1/2015			2.7	6.9	21.8	6.8	2
5/2/2015			2.7	7	23.8	6.8	1.9
5/3/2015			2.6	7	23.2	6.8	1.7
5/4/2015	< 1.333	8	2.7	6.9	23	6.9	2.4
5/5/2015			2.4	6.8	20.9	6.8	1.8
5/6/2015			2.5	6.8	22.9	6.9	3.6
5/7/2015			3.6	7	21.4	6.9	3.3
5/8/2015			3.5	6.9	21.6	7	2.5
5/9/2015			2.8	7.1	21.5	6.9	3.8
5/10/2015			3.2	7	22.5	6.9	3.8
5/11/2015			3.6	7.2	20.4	7	3.3
5/12/2015			3.7	7.1	21.6	7	3.1
5/13/2015			3.5	7.3	20.4	7	2.1
5/14/2015			3	7	22.2	6.9	3.5
5/15/2015			3.3	7.1	22.9	7.1	2
5/16/2015			3.5	7.1	22.6	7.2	2.2
5/17/2015			2.2	7.2	23.3	6.6	2.8
5/18/2015			3.3	7.1	22.5	6.6	2.3
5/19/2015			3	7.2	22.7	7.1	2
5/20/2015			3.1	7	21.9	7.1	2.8
5/21/2015			2.1	7.1	20.8	6.9	3.6
5/22/2015			2.7	7.2	20.4	6.9	2.5
5/23/2015			2.5	7.1	20	7.1	5.3
5/24/2015			2.7	7.1	20.5	7.2	8.1
5/25/2015			DPR Plant				
5/26/2015							
5/27/2015							
5/28/2015							
5/29/2015							
5/30/2015							
5/31/2015							
6/1/2015			2	8	24.6	7	1.72
6/2/2015			3.5	7.1	24.2	7	3.8
6/3/2015			3.6	7.2	23.6	7	1.9
6/4/2015			2.8	7.2	24.4	7	1.7
6/5/2015			3.3	7.2	26.2	6.8	2
6/6/2015			3.3	7.1	24.5	7	2.2
6/7/2015			3.3	7.1	25.2	7	1.2
6/8/2015	< 1.333	14.667	3.2	7.4	26.2	7	1.4

6/9/2015			2.4	7.1	26.7	7	1.3
6/10/2015			3.1	7	26.9	7	1.1
6/11/2015			3.3	7.1	26.6	7	1.1
6/12/2015			3.1	7	25.2	7	1.5
6/13/2015			3.2	7	23.8	7	3.4
6/14/2015			2.8	7	24	7	2.6
6/15/2015			3.2	7.2	23.9	7	1.5
6/16/2015			3	7.1	24.8	7	2.6
6/17/2015			2.8	7.2	24	7	2
6/18/2015			2.6	7.2	25	7	2.1
6/19/2015			3	7.2	25.2	7	2.5
6/20/2015			3	7.3	26.2	6.9	2
6/21/2015			2.9	7.2	26.1	7	1.9
6/22/2015			3.4	7.2	25.2	7	1.7
6/23/2015			3.1	7.1	26	7.1	1.4
6/24/2015			2.9	7.2	27.1	7	1.3
6/25/2015			3.2	7.2	27.7	7	1.5
6/26/2015			3	7.2	26.3	7	1.6
6/27/2015			2.9	7.1	26.7	5.5	1.6
6/28/2015			2.5	7.2	26.6	4.4	1.7
6/29/2015			2.5	7.1	26.9	5.1	1.5
6/30/2015			2	7	28.6	5.1	2.8
7/1/2015			2.5	7.1	28.5	5.1	1.5
7/2/2015			2.6	7	28.6	5.1	1.3
7/3/2015			2.8	7	27.5	5.1	1.1
7/4/2015			2.4	6.9	28.1	5.1	2
7/5/2015			2.8	7	27.6	5.2	1.7
7/6/2015	< 1.333	2.667	2.6	7	27.6	5.1	1.3
7/7/2015			2.1	7.1	26.5	5.1	2.1
7/8/2015			2.3	7	25.5	5.1	1.2
7/9/2015			2.5	7.2	26.3	5.1	1.2
7/10/2015			2.7	7.6	25.4	5.1	1.7
7/11/2015			2.2	7.1	26.4	5.1	1.3
7/12/2015			2.2	7.2	26.2	5.1	2.1
7/13/2015			2.4	7.1	27.6	5.1	1.4
7/14/2015			2	7.1	26.5	5.1	1
7/15/2015			2.3	7	28.3	5.1	1
7/16/2015			2.3	7.1	28.8	5.1	1.2
7/17/2015			2	7.1	27.8	5.1	1.4
7/18/2015			2.2	7	28.9	5.2	1.2
7/19/2015			2.5	6.9	28.4	5.2	1.3
7/20/2015			2.3	7.3	27.1	5.1	1.1
7/21/2015			1.7	6.9	32.1	5.3	1

se include data for the parameters from the provided checklist (including data for raw/source water, data at indiv

									In
	RO Settled Water	MF Clarifier Effluent			MF Cell Filtrate (Laser Turbidimeter)				
3	3	3	3	3	288	288	288	288	288
Alk	Turbidity (NTU)	Mono-Cl	pH	Temp	Cell 1 NTU	Cell 2 NTU	Cell 3 NTU	Cell 4 NTU	Cell 5 NTU
149	2.2	0.6	7	14.4					
123	1.2	0.72	7	15.6					
114	1.5	0.34	6.9	15.3					
132	1.2	0.38	7	15.3					
115	1	0.45	7	14.9					
141	1	0.69	7	13.6					
157	1.1	0.63	7.1	11.9					
165	1.2	0.65	7	11.7					
145	1.6	0.76	7.1	12.4					
137	1.5	0.74	7.1	15.2					
122	1.6	0.56	7	12.4					
119	2.1	0.53	7	11.5					
124	1.4	0.71	7	11.6					
117	1.7	0.8	6.9	13.4					
124	2	0.85	7	13.6					
107	1.5	0.7	7	13.1					
110	1.8	0.73	7	12.7					
89	1.5	0.86	6.8	10.9					
96	1.5	0.91	6.9	12.2					
117	1.4	0.78	7	10.4					
115	1.4	0.79	7	9.7					
124	2.3	0.89	6.9	10.1					
125	1.9	0.97	7	11.1					
123	1.7	0.85	7	12					
111	1.4	0.75	7	10.6					
125	1.4	0.8	6.9	9.5					
139	1.5	0.79	6.9	11.3					
135	1.8	0.72	7	13					
136	1.8	0.65	7	14.1					
129	1.7	0.67	7	15.8					
130	1.9	0.51	7	16.2					
128	2.5	0.45	6.9	17.3					
118	1.8	0.21	6.9	17.3					
117	1.4	0.34	6.9	17.7					
122	1.7	0.28	7	17.8					
122	1.7	0.2	7	17.5					

93	1	1.8	6.7	28.3	0.028	0.017	0.024	0.028	0.020
88	2.9	1.5	6.7	27.2	0.039	0.017	0.023	0.028	0.019
99	1.7	1.5	6.9	27.3	0.028	0.018	0.021	0.028	0.019
92	1.2	1.3	6.8	27.7	0.028	0.017	0.022	0.027	0.019
77	1.2	1.3	6.8	28.7	0.028	0.016	0.022	0.028	0.020

68	1.4	1.2	6.6	28.6	0.028	0.015	0.021	0.027	0.019
70	1.7	1.4	6.7	25.3	0.029	0.016	0.022	0.027	0.019
73	1.3	1.3	6.7	25.5	0.030	0.017	0.021	0.027	0.020
68	1.1	1.4	6.5	24.9	0.029	0.017	0.022	0.027	0.019
69	2.6	2.1	6.7	23.7	0.029	0.015	0.023	0.027	0.019
73	2.8	2.1	6.6	24.4	0.029	0.015	0.021	0.027	0.019
73	3.8	1.9	6.5	26.2	0.029	0.015	0.022	0.027	0.019
77	1.1	1.6	6.6	27.1	0.028	0.015	0.021	0.027	0.019
86	1.1	1.9	6.6	28.7	0.028	0.015	0.020	0.026	0.018
81	1.3	2.1	6.6	28.5	0.028	0.015	0.020	0.026	0.018
68	1.2	3	6.5	29	0.028	0.015	0.020	0.026	0.018
72	1.2	1.9	6.5	28.7	0.028	0.015	0.019	0.026	0.018
75	1.1	1.4	6.6	29.1	0.027	0.015	0.020	0.026	0.018
78	1.1	1.5	6.6	28	0.028	0.015	0.020	0.026	0.018
68	1.2	1.2	6.6	27	0.027	0.015	0.021	0.026	0.018
63	1.5	2.4	6.5	25.6	0.027	0.016	0.023	0.026	0.019
67	1.5	2.3	6.5	25.6	0.027	0.015	0.022	0.026	0.019
66	1.6	2.3	6.5	25.8	0.027	0.015	0.020	0.027	0.019
63	1.3	2.5	6.5	26.5	0.027	0.014	0.021	0.026	0.019
67	1.3	2.3	6.5	27.9	0.027	0.015	0.021	0.026	0.019
52	1	2.6	6.4	27.4	0.027	0.016	0.021	0.026	0.019
56	1.2	2.8	6.4	27.3	0.027	0.016	0.021	0.026	0.019
54	1.2	1.9	6.5	27.3	0.027	0.015	0.020	0.025	0.018
58	1.3	1.9	6.4	28.2	0.027	0.015	0.020	0.025	0.017
75	1.3	1.6	6.5	29.1	0.027	0.015	0.017	0.025	0.017
59	1.3	1.8	6.5	29.2	0.027	0.015	0.014	0.025	0.017
63	1.1	1.6	6.5	28.3	0.027	0.014	0.022	0.025	0.017
51	1	1.6	6.5	28.4	0.027	0.015	0.022	0.026	0.018
43	0.9	2	6.4	28.7	0.027	0.014	0.022	0.025	0.017
54	1.2	2	6.3	28.7	0.026	0.014	0.023	0.025	0.017
48	1.2	1.9	6.4	27.7	0.027	0.014	0.023	0.025	0.017
57	0.9	1.1	6.3	27.8	0.024	0.014	0.023	0.024	0.014
61	1	1.5	6.5	27.8	0.030	0.014	0.022	0.025	0.015
55	1	1.6	6.4	27.3	0.024	0.015	0.023	0.025	0.016
47	1	1.9	6.4	28.6	0.024	0.014	0.023	0.025	0.015
49	1.1	1.9	6.3	28.4	0.024	0.014	0.023	0.026	0.015
51	1.2	2	6.4	27.8	0.024	0.014	0.023	0.025	0.015
65	1.4	1.6	6.5	28.5	0.025	0.015	0.024	0.026	0.015
62	1.2	1.8	6.5	28.1	0.024	0.014	0.024	0.025	0.014
64	1.2	1.6	6.5	30	0.024	0.014	0.024	0.025	0.014
51	1.1	1.6	6.5	29.1	0.024	0.014	0.024	0.025	0.014
51	0.9	1.7	6.4	28.5	0.024	0.014	0.024	0.025	0.014
40	0.8	1.8	6.3	28.5	0.026	0.014	0.024	0.025	0.013
46	1.3	2	6.3	29.6	0.022	0.014	0.025	0.025	0.014
41	1.7	1.6	6.3	30.3	0.022	0.014	0.022	0.022	0.013
45	1.2	1.8	6.3	27.9	0.022	0.014	0.022	0.021	0.013
41	0.9	1.6	6.2	27.4	0.022	0.014	0.022	0.021	0.013
47	0.8	1.5	6.3	28.3	0.021	0.014	0.023	0.021	0.013
41	1	1.7	6.3	28.7	0.022	0.014	0.023	0.021	0.013
40	1.1	1.5	6.2	28.8	0.021	0.014	0.022	0.022	0.013
37	1.1	2	6.1	29.7	0.022	0.014	0.022	0.022	0.013
46	1.1	1.4	6.3	29	0.022	0.013	0.022	0.022	0.012
49	1.1	1.3	6.3	28.6	0.022	0.014	0.022	0.023	0.012
55	0.92	1.4	6.4	29.4	0.023	0.014	0.022	0.023	0.011
51	1	1.6	6.7	26.2	0.022	0.014	0.022	0.023	0.012

48	0.97	1.6	6.4	26.2	0.023	0.015	0.022	0.023	0.012
53	0.92	1.9	6.3	28	0.022	0.014	0.022	0.023	0.012
49	1.1	1.9	6.3	28	0.023	0.014	0.022	0.024	0.011
50	1.3	1.1	6.4	27.8	0.023	0.013	0.023	0.023	0.012
50	1	1.8	6.5	26.4	0.023	0.014	0.022	0.024	0.012
32	1.2	1.5	6.2	24	0.023	0.013	0.022	0.024	0.013
39	1.2	1.8	6.2	23.4	0.023	0.020	0.022	0.024	0.013
39	1.1	1.5	6.2	24.4	0.023	0.015	0.024	0.022	0.012
38	1.3	2.5	6.1	26.2	0.023	0.020	0.023	0.023	0.012
45	1.2	2.3	6.3	26.3	0.022	0.014	0.024	0.023	0.012
56	1.1	1.5	6.4	27.1	0.022	0.014	0.023	0.023	0.012
59	1.2	1.7	6.4	26.9	0.022	0.015	0.028	0.023	0.012
49	1	1.4	6.4	26.1	0.023	0.014	0.024	0.023	0.012
61	1.2	1.6	6.5	26.9	0.023	0.014	0.024	0.023	0.012
44	0.97	1.2	6.4	27.5	0.023	0.014	0.024	0.022	0.012
46	1	1.7	6.3	26.9	0.023	0.014	0.024	0.023	0.013
50	1.6	1.6	6.4	25.5	0.022	0.014	0.024	0.023	0.012
44	1.2	1.6	6.3	24.9	0.022	0.014	0.023	0.023	0.012
50	1.3	1.4	6.4	25.4	0.022	0.014	0.024	0.023	0.012
47	1.1	2.4	6.3	25.5	0.023	0.014	0.024	0.022	0.012
50	1.3	1.7	6.2	25	0.023	0.014	0.024	0.021	0.012
41	1.3	1.5	6.3	25.3	0.023	0.014	0.024	0.020	0.012
38	3.1	1.8	6.2	26	0.023	0.014	0.025	0.021	0.012
43	1.1	2.1	6.2	25.2	0.023	0.014	0.024	0.020	0.009
52	1.5	2	6.3	26.3	0.023	0.014	0.024	0.020	0.008
52	1.2	1.5	6.4	26.1	0.023	0.015	0.024	0.020	0.013
25	0.97	1.8	6.4	24.5	0.023	0.014	0.024	0.019	0.013
54	1	1.7	6.5	24.1	0.023	0.015	0.024	0.020	0.013
65	0.99	1.6	6.4	23.3	0.023	0.014	0.024	0.020	0.013
55	1.2	1.6	6.5	24.7	0.023	0.015	0.024	0.020	0.013
40	1.2	1.6	6.5	26.1	0.025	0.014	0.025	0.024	0.013
59	1.7	1.8	6.5	25.9	0.026	0.014	0.026	0.026	0.012
50	1	1.4	6.6	25.7	0.026	0.014	0.026	0.026	0.012
56	1.1	1.1	6.4	24.6	0.026	0.015	0.026	0.027	0.013
30	1.2	1.2	6.4	22.2	0.026	0.014	0.026	0.026	0.013
36	1.1	1.2	6.2	22.9	0.026	0.014	0.026	0.026	0.013
30	1.3	1.7	6.1	21.5	0.026	0.014	0.026	0.026	0.012
50	1.3	1.3	6.2	22.3	0.026	0.015	0.025	0.024	0.013
51	1.3	1.6	6.4	22.4	0.026	0.014	0.026	0.025	0.013
37	1.3	2.2	6.3	23.1	0.026	0.014	0.027	0.025	0.013
47	1.7	1.2	6.3	23.5	0.026	0.014	0.026	0.025	0.013
49	2	1.1	6.3	23.3	0.026	0.014	0.026	0.025	0.013
59	1.9	1.3	6.4	22.8	0.026	0.014	0.026	0.025	0.013
55	1.7	1.5	6.4	23.3	0.026	0.014	0.026	0.024	0.013
57	1.4	1.9	6.4	24.7	0.027	0.015	0.025	0.022	0.013
56	1.5	1.2	6.3	23.4	0.026	0.015	0.024	0.022	0.013
48	1.6	1.7	6.3	24.2	0.026	0.014	0.024	0.022	0.013
33	1.3	1.5	6.2	23.6	0.026	0.014	0.025	0.022	0.013
47	1.3	1.5	6	23.8	0.026	0.035	0.025	0.023	0.013
50	1.5	1.6	6.2	24.1	0.026	#DIV/0!	0.024	0.023	0.013
45	1.5	1.9	6.3	23.5	0.026	0.015	0.025	0.022	0.013
55	1.6	1.3	6.3	22.8	0.025	0.015	0.024	0.023	0.012
50	1.8	1.3	6.4	22.6	0.024	0.015	0.025	0.024	0.013
49	1.4	2	6.3	21.9	0.024	0.014	0.024	0.024	0.012
52	1.5	1.8	6.4	21.1	0.025	0.015	0.025	0.024	0.013

57	1.4	1.5	6.4	19.9	0.025	0.015	0.025	0.024	0.013
49	1.3	1.1	6.4	20.2	0.025	0.015	0.024	0.024	0.013
34	1.6	1.4	6.2	21	0.025	0.015	0.024	0.023	0.013
42	1.6	1.3	6.2	20.2	0.025	0.014	0.024	0.021	0.013
46	1.7	1.9	6.3	19.9	0.026	0.014	0.023	0.021	0.013
55	1.6	1.9	6.3	20	0.025	0.015	0.024	0.021	0.013
49	1.5	2	6.4	19.6	0.026	0.016	0.024	0.021	0.013
58	1.5	2.7	6.4	19.5	0.026	0.015	0.024	0.021	0.013
46	1.4	2.2	6.4	20.4	0.026	0.015	0.024	0.021	0.013
46	1.2	3	6.4	21.1	0.025	0.015	0.024	0.021	0.013
47	1.2	2.7	6.4	17.9	0.026	0.015	0.024	0.021	0.013
49	1.3	1.9	6.5	16.3	0.025	0.015	0.024	0.021	0.013
50	1.5	2.2	6.3	15.4	0.026	0.015	0.024	0.021	0.013
60	1.5	2.3	6.4	14.8	0.027	0.015	0.025	0.025	0.013
54	1.1	2.2	6.4	16.9	0.027	0.015	0.024	0.025	0.013
67	1.2	2.1	6.6	15.4	0.027	0.015	0.025	0.025	0.013
58	1.4	2.8	6.5	15.7	0.028	0.015	0.025	0.025	0.013
70	1.4	2.5	6.6	16.3	0.028	0.014	0.025	0.025	0.013
62	1.4	1.7	6.6	17.8	0.028	0.015	0.025	0.025	0.013
72	1.3	1.7	6.5	18.2	0.028	0.015	0.024	0.025	0.013
61	1.3	2	6.5	20.3	0.028	0.014	0.025	0.025	0.013
73	1.1	2.3	6.6	19.5	0.028	0.016	0.026	0.024	0.013
66	1.7	2.9	6.6	18.9	0.028	0.014	0.026	0.024	0.013
57	1.8	4.1	6.6	17.9	0.027	0.016	0.026	0.024	0.013
68	1.4	2.4	6.5	17.4	0.027	0.015	0.025	0.024	0.013
83	1.5	2.4	6.6	17.8	0.027	0.015	0.026	0.024	0.013
81	1.4	2.3	6.7	17.4	0.027	0.015	0.026	0.024	0.014
76	1.9	2.7	6.6	18.2	0.027	0.015	0.026	0.024	0.014
72	1.7	2.4	6.6	19.5	0.027	0.014	0.026	0.024	0.014
62	1.7	2.4	6.5	19.3	0.026	0.013	0.026	0.024	0.013
52	1.6	2.2	6.5	16.1	0.026	0.015	0.026	0.024	0.013
47	1.6	2.1	6.3	15.9	0.027	0.013	0.026	0.024	0.013
58	1	2.4	6.4	17.2	0.026	0.014	0.025	0.024	0.014
55	1.7	2.7	6.4	18.4	0.026	0.014	0.026	0.025	0.014
65	1.6	2.8	6.5	19.3	0.026	0.013	0.025	0.025	0.014
51	1.4	2.2	6.4	19	0.026	0.014	0.026	0.024	0.014
61	1.3	3	6.4	18.7	0.026	0.013	0.025	0.025	0.014
49	1.7	3.3	6.4	18.7	0.026	0.013	0.025	0.024	0.013
73	1.4	2.7	6.4	18.3	0.026	0.013	0.025	0.024	0.014
79	1.7	2.9	6.6	18.7	0.027	0.016	0.024	0.025	0.013
83	1.6	2.3	6.7	19.4	0.027	0.014	0.023	0.025	0.014
71	1.7	2.2	6.6	19.5	0.026	0.016	0.024	0.025	0.013
73	1.6	2.3	6.7	18.9	0.025	0.016	0.024	0.024	0.013
63	1.6	2.3	6.5	19.8	0.025	0.015	0.017	0.023	0.014
66	1.5	3.1	6.5	18.2	0.025	0.014	0.024	0.024	0.014
68	1.2	2.5	6.5	17.8	0.025	0.016	0.024	0.024	0.013
82	1.4	2	6.5	17.6	0.026	0.016	0.024	0.025	0.014
80	1.7	2.2	6.7	16.7	0.025	0.015	#DIV/0!	0.024	0.014
90	1.3	2.6	6.6	17.2	0.025	0.016	0.018	0.023	0.014
82	1.5	2.7	6.6	16.7	0.025	0.016	0.015	0.023	0.014
84	1.4	2.7	6.7	15.5	0.024	0.015	0.015	0.023	0.014
68	2.3	2.4	6.6	17.4	0.025	0.016	0.015	0.023	0.014
68	1.5	2.6	6.5	16.9	0.025	0.015	0.015	0.023	0.014
74	1.5	2.7	6.6	16.6	0.026	0.015	0.015	0.023	0.014
71	1.8	2.6	6.5	15.7	0.026	0.014	0.015	0.023	0.014

80	1.6	2.2	6.5	17.2	0.025	0.015	0.015	0.023	0.014
60	1.5	2.1	6.6	15.8	0.025	0.014	0.014	0.023	0.014
55	1.4	1.9	6.6	15.5	0.025	0.016	0.014	0.023	0.014
51	1.1	1.9	6.3	14.6	0.025	0.015	0.015	0.023	0.014
59	1.5	1.8	6.4	15.7	0.026	0.015	0.015	0.023	0.014
56	2.1	2.1	6.6	14.6	0.026	0.016	0.015	0.023	0.014
55	1.9	2.3	6.4	12.5	0.026	0.014	0.015	0.023	0.014
58	2	1.9	6.4	13.1	0.026	0.015	0.015	0.023	0.014
66	2	1.9	6.4	13.6	0.026	0.015	0.015	0.022	0.014
60	2	3.3	6.4	12.6	0.026	0.016	0.015	0.022	0.014
59	1.9	3.1	6.5	14.1	0.025	0.015	0.015	0.022	0.014
64	1.7	2.9	6.7	14.4	0.026	0.014	0.015	0.021	0.012
75	2.2	2.7	6.5	12.5	0.026	0.014	0.015	0.021	0.013
74	1.9	2.2	6.6	11.6	0.026	0.015	0.016	0.021	0.013
82	1.8	1.9	6.7	12.5	0.026	0.015	0.016	0.021	0.012
73	1.4	3.2	6.7	12.5	0.026	0.015	0.015	0.021	0.013
71	1.7	2.2	6.6	13.2	0.025	0.014	0.015	0.021	0.013
66	1.7	2.8	6.6	13.2	0.018	0.013	0.016	0.021	0.013
68	1.6	2.2	6.5	12.1	0.016	0.014	0.015	0.021	0.013
79	1.5	2.6	6.6	13.3	0.017	0.013	0.015	0.020	0.012
79	1.8	3.6	6.5	13.3	X	0.016	0.015	0.022	0.013
82	1.5	5.4	6.5	13.8	0.024	0.015	0.017	0.022	0.013
90	1.7	2.8	6.6	14.2	0.018	0.013	0.015	0.021	0.012
75	1.5	2	6.6	15.3	0.017	0.013	0.015	0.021	0.012
75	1.6	3.6	6.6	16.7	0.017	0.013	0.015	0.021	0.012
81	1.8	3.2	6.6	16.4	0.017	0.014	0.015	0.020	0.012
92	1.5	2.6	6.7	16.6	0.017	0.014	0.015	0.019	0.012
98	2.1	2.4	6.8	12.8	0.017	0.013	0.015	0.019	0.012
91	3.7	3	6.7	14.7	0.017	0.013	0.015	0.019	0.012
87	2	3.3	6.7	15	0.017	0.013	0.014	0.019	0.012
95	2.2	2.7	6.7	14.9	0.017	0.013	0.014	0.019	0.012
81	2	2.2	6.7	16.3	0.017	0.013	0.014	0.019	0.012
74	1.7	2.7	6.6	17.3	0.017	0.013	0.015	0.019	0.012
88	1.7	2.7	6.6	17.9	0.017	0.013	0.015	0.020	0.012
78	1.6	2.8	6.7	16.9	0.017	0.013	0.015	0.020	0.012
81	1.4	2.4	6.6	17.2	0.017	0.013	0.015	0.020	0.012
80	1.3	2.5	6.7	15.9	0.017	0.013	0.015	0.020	0.012
75	1.4	2.6	6.6	15.8	0.017	0.014	0.014	0.021	0.012
76	1.2	2.4	6.6	16.7	0.017	0.013	0.014	0.020	0.012
71	1.5	3.1	6.6	14.8	0.017	0.014	0.015	0.021	0.012
86	1.4	3.1	6.6	14.7	0.017	0.013	0.015	0.020	0.012
74	1.3	2.6	6.6	13.5	0.017	0.014	0.015	0.021	0.017
74	1.1	2.6	6.6	15	0.017	0.015	0.015	0.021	0.013
65	1.3	3.4	6.5	15.8	0.018	0.014	0.015	0.021	0.013
59	1.4	2.8	6.5	18.1	0.018	0.014	0.015	0.020	0.013
45	1.4	2.6	6.4	18	0.017	0.013	0.015	0.020	0.013
42	1.2	2.8	6.3	18.3	0.017	0.013	0.015	0.021	0.013
55	1.4	2.1	6.3	17.4	0.017	0.016	0.014	0.020	0.013
42	1.2	2.1	6.5	16.1	0.015	0.013	0.014	0.020	0.013
45	1.4	1.3	6.3	16.7	0.015	0.013	0.014	0.019	0.012
56	1.5	2	6.4	18.1	0.017	0.014	0.015	0.020	0.012
42	1.4	2.4	6.4	17	0.016	0.013	0.014	0.019	0.012
51	1.6	2.7	6.4	13.8	0.016	0.013	0.014	0.019	0.013
41	1.3	2.7	6.6	15.1	0.015	0.013	0.014	0.019	0.012
54	1.8	2.4	6.4	15.1	0.016	0.013	0.014	0.020	0.013

49	2.1	3.5	65	15.8	0.016	0.014	0.014	0.020	0.013
49	2	2.3	6.4	17	0.017	0.014	0.015	0.020	0.013
41	2.1	2.2	6.3	16.6	0.017	0.013	0.015	0.020	0.012
48	2.7	2.6	6.3	14.7	0.016	0.014	0.015	0.020	0.012
49	2.1	2.5	6.4	11.2	0.017	0.014	0.015	0.020	0.012
55	2.2	2.7	6.4	11	0.017	0.013	0.014	0.019	0.012
61	2.5	2.2	6.5	14.7	0.017	0.015	0.014	0.019	0.012
64	2.1	1.8	6.4	13.2	0.017	0.015	0.015	0.019	0.012
55	2	2.3	6.5	12.4	0.019	0.015	0.017	0.019	0.012
63	2.1	2.5	6.5	12.9	0.017	0.015	0.014	0.020	0.012
60	2.1	3.6	6.5	13	0.017	0.014	0.015	0.019	0.012
61	2.9	2.8	6.4	12.7	0.017	0.013	0.015	0.020	0.012
69	2.1	3.4	6.5	14.6	0.017	0.014	0.015	0.019	0.013
85	2.5	2.7	6.7	12.9	0.018	0.014	0.015	0.020	0.015
102	1.8	1.9	6.7	12.2	0.018	0.013	0.016	0.020	0.014
95	1.9	3.6	6.7	14.5	0.017	0.014	0.015	0.020	0.014
98	2	2.6	6.7	15	0.017	0.014	0.016	0.020	0.014
94	2.3	2.7	6.7	15.5	0.017	0.014	0.016	0.020	0.014
87	2.1	2.5	6.7	15.8	0.017	0.014	0.016	0.020	0.014
86	3.3	3.2	6.6	16.2	0.017	0.014	0.015	0.020	0.014
105	2.5	2.1	6.7	17.2	0.018	0.015	0.016	0.021	0.014
102	3.1	2.2	6.7	18.1	0.017	0.015	0.014	0.020	0.014
111	2.5	2.3	6.7	18	0.017	0.015	0.015	0.021	0.015
110	2.5	2.6	6.8	18.3	0.017	0.014	0.014	0.020	0.014
96	2.5	2.6	6.8	18.5	0.017	0.015	0.014	0.021	0.013
92	2.2	3.4	6.9	19.2	0.017	0.015	0.014	0.020	0.014
84	2.4	2.9	6.8	19.8	0.017	0.015	0.014	0.021	0.014
108	2.4	2.5	6.6	18.4	0.017	0.015	0.014	0.020	0.015
100	3.2	2.9	6.8	18.6	0.018	0.016	0.014	0.021	0.014
					0.017	0.015	0.014	0.020	0.015
86	2.9	3.3	6.7	17.4	0.018	0.015	0.014	0.020	0.015
97	2.3	2.5	6.8	18.4	0.018	0.015	0.014	0.021	0.016
85	2.5	2.5	6.7	19.3	0.017	0.015	0.013	0.020	0.014
102	2.5	2.7	6.8	19.4	0.017	0.014	0.009	0.021	0.015
86	2.2	2.4	68	20.8	0.017	0.014	0.013	0.020	0.015
107	2.3	1.7	6.7	17.7	0.017	0.013	0.015	0.020	0.014
103	1.7	2.5	6.8	18.2	0.017	0.014	0.015	0.020	0.015
102	2	2.5	6.8	19.9	0.017	0.013	0.015	0.020	0.015
90	2.1	1.9	6.8	20.2	0.017	0.014	0.015	0.020	0.014
79	1.9	2.5	6.6	20.6	0.016	0.013	0.014	0.020	0.014
72	1.3	2	6.6	21.7	0.016	0.014	0.012	0.020	0.014
82	1.3	1.4	6.7	21.3	0.018	0.013	0.012	0.020	0.014
82	1.5	1.6	6.8	22	0.017	0.013	0.012	0.020	0.014
82	1.4	1.7	6.7	21.3	0.016	0.013	0.012	0.019	0.013
78	1.6	1.6	6.7	20	0.016	0.013	0.012	0.019	0.013
76	1.3	1.7	6.7	18.9	0.016	0.013	0.012	0.019	0.013
67	1.4	2.1	6.7	19.6	0.016	0.013	0.012	0.018	0.013
75	1.2	2.2	6.6	21	0.018	0.013	0.016	0.021	0.013
86	1.3	1.9	6.8	21.9	0.022	0.013	0.017	0.025	0.014
82	1.4	1.8	6.8	22	0.024	0.013	0.018	0.025	0.015
75	1	1.9	6.8	20.1	0.023	0.013	0.017	0.025	0.015
89	1.1	2.2	6.7	20.6	0.025	0.014	0.018	0.027	0.015
82	1.2	2	6.7	21.6	0.026	0.013	0.017	0.027	0.015
68	1.2	2.1	6.7	20.7	0.026	0.014	0.017	0.026	0.014
74	1.3	1.8	6.7	18.9	0.023	0.015	0.020	0.025	0.014

103	1.6	2.2	6.7	19.7	0.023	0.014	0.016	0.026	0.013
96	1.3	1.9	6.8	22.9	0.022	0.014	0.016	0.025	0.013
85	1.1	1.5	6.8	22.8	0.023	0.014	0.016	0.024	0.013
79	1.4	1.9	6.7	20.9	0.024	0.013	0.016	0.025	0.013
74	1.1	1.9	6.7	20.8	0.024	0.014	0.016	0.025	0.013
70	1.4	1.8	6.8	20	0.025	0.014	0.018	0.026	0.014
77	1.5	1.8	6.8	20.8	0.023	0.014	0.019	0.025	0.014
90	1.3	1.6	6.7	20.5	0.022	0.015	0.024	0.026	0.013
91	1.5	1.7	6.8	20.7	0.022	0.014	0.023	0.025	0.013
98	2.2	2.3	6.9	21.2	0.022	0.014	0.023	0.025	0.013
103	1.5	1.9	6.9	21.4	0.021	0.014	0.023	0.026	0.013
97	1.5	1.9	6.9	22	0.023	0.014	0.023	0.027	0.013
89	2.3	2	6.8	20.1	0.021	0.014	0.022	0.025	0.013
104	4.8	1.9	6.9	19.1	0.026	0.015	0.024	0.026	0.015
126	3	2	6.9	18.8	0.026	0.016	0.023	0.024	0.015
122	1.7	1.7	7	21.6	0.023	0.018	0.023	0.024	0.014
116	1.6	1.8	7	21	0.024	0.016	0.023	0.024	0.015
116	1.8	1.9	6.8	22.6	0.029	0.016	0.023	0.025	0.015
104	1.4	1.9	6.9	23.2	0.026	0.015	0.023	0.023	0.017
93	1.7	2	6.9	22.3	0.027	0.015	0.023	0.023	0.014
89	1.2	1.2	6.7	21.5	0.026	0.015	0.024	0.024	0.014
107	2.9	2.2	6.7	22.3	0.029	0.017	0.023	0.027	0.015
156	2.3	2.5	6.9	21.3	0.028	0.016	0.021	0.025	0.016
155	1.6	2.4	7	21.8	0.027	0.022	0.023	0.028	0.015
154	2	2.1	7.1	21.7	0.029	0.016	0.023	0.023	0.016
161	2.1	1.9	7.1	22.1	0.028	0.017	0.022	0.024	0.015
182	1.9	2	7.1	20.7	0.026	0.016	0.023	0.026	0.014
206	1.8	2.7	7.1	20.8	0.027	0.016	0.022	0.025	0.014
203	1.6	2.3	7.1	20.6	0.026	0.015	0.021	0.024	0.014
181	2.4	2.7	7.1	21.7	0.023	0.014	0.018	0.021	0.013
192	1.8	2.3	7.1	21.8	0.022	0.014	0.018	0.021	0.012
184	1.7	2.2	7.1	22.3	0.021	0.013	0.017	0.021	0.012
197	1.4	2.7	7.2	22.9	0.020	0.014	0.017	0.022	0.012
185	1.8	2.2	7.2	22.4	0.020	0.013	0.017	0.020	0.012
179	1.9	2.4	7.2	22.8	0.022	0.015	0.017	0.020	0.013
149	2.3	2.1	7	21.6	0.024	0.014	0.018	0.022	0.013
177	2	1.5	7	21	0.027	0.015	0.019	0.023	0.014
169	2.6	1.5	7.1	20.6	0.026	0.015	0.019	0.022	0.016
161	2.6	1.7	7	21.1	0.024	0.016	0.017	0.022	0.014
168	3.2	1.5	7.1	20.3	0.026	0.015	0.018	0.022	0.014
t Off-line due to extensive rain and flooding of the Wichita River at the RRWWTP									
16	1.02	2.2	8	24	0.031	0.035	0.018	0.038	0.035
200	3.7	2.2	7.1	23.3	0.024	0.016	0.015	0.024	0.017
203	2.3	2.3	7.1	23.7	0.024	0.015	0.017	0.023	0.014
202	1.7	2.5	7.1	24.4	0.024	0.014	0.016	0.022	0.013
194	1.7	2.7	7.3	24.2	0.024	0.014	0.017	0.022	0.013
183	1.9	2.5	7.1	25.2	0.023	0.014	0.017	0.022	0.013
177	1.6	2.8	7	25.1	0.023	0.015	0.017	0.022	0.013
168	1.5	2.8	7.1	22.8	0.021	0.014	0.016	0.022	0.013

167	1.1	2.1	7.1	25.9	0.020	0.015	0.014	0.022	0.013
169	1.1	2.5	7.1	26.8	0.020	0.013	0.010	0.022	0.013
158	1.3	2.5	7.1	26.1	0.019	0.013	0.010	0.022	0.012
146	1.6	2.8	7	25.4	0.021	0.013	0.010	0.022	0.012
146	1.4	2.2	7.1	24.5	0.019	0.013	0.010	0.021	0.012
154	2.2	2.3	6.9	23.7	0.019	0.013	0.017	0.021	0.012
195	1.5	2.2	7.1	23.7	0.019	0.013	0.010	0.021	0.013
198	1.8	2.7	7.1	24	0.019	0.013	0.012	0.021	0.013
215	1.8	2.1	7	24.2	0.019	0.014	0.018	0.021	0.012
235	1.4	2.3	7.2	24.8	0.019	0.014	0.018	0.022	0.012
248	1.9	2.1	7.1	24.8	0.019	0.014	0.018	0.021	0.012
254	1.7	2.5	7.4	25.8	0.018	0.013	0.017	0.022	0.012
230	1.6	2.7	7.2	25.7	0.019	0.014	0.018	0.021	0.011
210	1.4	2.9	7.1	24.7	0.019	0.013	0.018	0.022	0.012
204	1.5	2.5	7	26.2	0.019	0.013	0.017	0.021	0.011
193	1.7	2.3	7.2	26.7	0.018	0.013	0.018	0.021	0.012
181	1.6	2.4	7.1	27.3	0.019	0.012	0.017	0.020	0.011
174	1.7	2.6	7.2	26	0.018	0.012	0.017	0.020	0.011
158	1.8	2.2	7.1	26.3	0.018	0.012	0.017	0.020	0.011
160	1.6	2.2	7.1	26.7	0.018	0.012	0.018	0.019	0.011
147	1.6	2	7.1	26.4	0.019	0.012	0.018	0.020	0.011
144	1.7	1.9	7.1	27.5	0.019	0.012	0.017	0.020	0.011
144	1.7	1.7	7.1	28.2	0.018	0.011	0.017	0.020	0.011
126	1.7	2	7	28.1	0.018	0.012	0.018	0.020	0.011
132	1.4	2.4	6.9	27.5	0.019	0.011	0.016	0.021	0.011
125	1.5	2.2	7	27.1	0.017	0.011	0.016	0.020	0.011
127	1.5	2.5	6.9	27.3	0.017	0.012	0.017	0.020	0.011
124	1.4	2.3	7.2	27.3	0.018	0.012	0.016	0.020	0.011
126	1.4	1.7	7.1	26.4	0.018	0.010	0.016	0.018	0.012
164	1.5	1.7	7	24.8	0.018	0.010	0.015	0.015	0.013
218	1.4	1.6	7.1	26.3					
224	1.6	1.6	7.1	24.8					
226	1.4	2.3	7	26.4					
214	1.7	1.8	7.1	26.1					
204	1.5	1.4	7	26.3					
198	1.3	1.7	7.1	27.3					
198	1.3	1.7	7	27.8					
202	1.4	1.5	7.1	28.2					
197	1.4	1.5	6.9	27.6					
197	1.4	1.3	7	28.3					
182	1.6	1.8	6.9	28.2					
161	1.5	1.3	7.1	26.5					
146	1.4	1.7	6.8	30.7					

idual unit process points, and

termediate Sampling Locations									
MF Combined Filtrate			RO Salt Rejection						Splitter
3	3	3	3	3	3	3	3	3	3
Mono-Cl	pH	Temp	Train 1	Train 2	Train 3	Train 4	Train 5	Train 6	Turbidity (NTU)
									1.73759
									1.73409
	6.6	15							
	6.7	15.6							
	6.7	16							
	6.3	15.3							
	6	15.7							
	6.7	15.1							
	6.2	13.6							
	6.5	12							
	6.6	12.2							
	6.8	15							
	6.7	14							
	6.8	12.4							
	6.7	11.9							
	6.5	13							
	6.9	13.7							
	6.8	13.5							
	6.8	14.2							
	6.8	12.9							
	6.5	13.5							
	6.4	12							
	6.5	11.1							
	6.4	11.3							
	6.7	12							
	6.8	13							
	6.5	12.7							
	6.4	11.5							
	6.8	11.8							
	6.7	13.1							
	6.6	14.2							
	6.2	15.8							
	6.9	17.1							
	6.6	17.3							
	6.6	18.3							
	6.6	18.2							
	6.5	17.5							
	6.5	17.4							

1.3	6.8	28.7	X	80.6	64.3	X	X	X	35.7
1.2	7	27.1	X	X	X	96.3	85.8	X	22
1.3	7	27.8	70.6	X	X	X	X	81.4	22.4
1.6	7.1	27.1	X	85.2	87.3	X	X	X	20.1
1.3	6.9	27.9	X	X	X	96.5	86	X	19.1

1.2	7	19.1	70.6	85.5	X	X	X	82.6	23.5
0.8	6.9	27	X	85.4	87	X	X	X	25.6
1	7	25.6	X	X	X	96.3	85.4	X	25.1
1.2	6.8	25	74	87.6	X	X	X	84.7	23.6
1.4	6.8	23	X	X	88.1	96.4	86.9	X	26.9
1.9	6.9	24.1	77.1	87.4	X	X	X	85	24.4
1.6	7	25.9	X	X	88.1	96.8	87.6	X	27.6
1.9	6.8	26.5	X	87.9	X	96.8	X	83.1	26.9
1.8	6.9	29	X	X	X	96.7	86.8	83.4	30.1
2.2	6.9	28.4	X	85	X	X	X	83.4	28.1
2.5	6.9	28.6	75.3	85.1	X	96.7	X	X	23.8
1.7	6.9	28.6	X	X	X	96.3	86	82.5	22.1
1.3	6.8	28.4	X	86	X	96.7	X	83.9	26.2
1.3	6.8	2.2	X	83	X	96.5	86.1	X	23.6
1.4	7.2	27.1	X	84.2	X	95.8	X	82.1	21.9
1.4	6.9	25.6	X	85.2	88.9	X	86.8	82.8	20.4
1.6	7.6	25.8	X	X	89.2	96.6	X	84.1	20
2.2	6.8	25.3	X	86.9	X	96.8	88.1	X	21.5
1.9	6.7	26.1	X	X	89.4	X	86.4	84.4	22
2.3	6.8	27.6	X	86.5	89	96.6	X	X	25.3
2.1	6.8	26.8	X	X	X	92.5	85	82.2	27
2.2	6.8	26.9	X	83.7	87.8	X	84.5	X	27.7
1.6	6.6	26.6	X	86	X	96.5	X	84	29.8
2.1	6.7	28.2	X	X	89.1	95.9	87.1	X	28.1
1.4	6.8	29	X	86.7	X	X	87.6	83.6	20.5
1.6	6.3	29	X	85.1	89.6	X	X	84	23.3
1.7	6.8	27.2	X	86.7	88.4	X	83.6	X	26.5
1.6	6.7	27.5	X	X	88.7	X	86.4	83	23.9
2	6.6	28.1	X	84.5	X	X	85	82	21.8
2	6.6	28.2	X	85.3	88.8	97.1	X	X	20
1.6	6.7	27.6	X	X	89.3	X	86.6	83.9	22.7
1.6	6.7	26.7	X	85.6	89.1	97.2	X	X	26.1
0.9	6.8	28.5	X	86.6	X	97.4	87.2	CIP	23.3
1.3	6.7	27.2	X	85.3	89.2	97.8	CIP	CIP	21.8
2	6.7	27.7	X	X	88.4	97.2	CIP	77.3	22.2
1.7	6.6	28.1	X	84.7	X	97.1	77.9	X	26.4
1.8	6.7	27.5	X	X	88.4	X	78	77	26.3
1.5	6.8	28.2	X	85.2	X	97.4	X	77.4	25.7
1.9	6.8	28.3	X	85.8	89.4	X	79.4	X	23.7
1.1	6.8	30.3	X	X	X	97.3	79	76.5	26.5
1.4	6.8	29.1	X	83.7	86.3	X	X	75	31.2
2.2	6.7	27.8	X	X	87.4	96.7	X	74.5	28.7
1.6	6.7	29	X	X	84.9	X	76.4	74.2	28
1.8	6.6	29.7	X	CIP	87.3	96	80.6	X	33.1
1.5	6.6	29.4	X	CIP	87.8	96.9	82	81.1	38
1.5	6.6	27.8	X	75.3	88.2	97.1	80	CIP	32.2
1	6.4	27.1	X	79.6	CIP	97.1	80.8	78.6	30.9
1.3	6.6	27.4	X	76	X	97.2	81.5	76.9	33
1.4	6.5	27.9	X	76.1	85.2	X	X	75.9	36.1
1.5	6.5	28.8	X	X	84.8	X	75.2	80.7	31
2.4	6.4	29.5	X	75	84.9	X	80.1	X	32.9
1.2	6.6	28.7	X	76.2	84.9	X	X	78.4	34.2
1.2	6.6	28.9	X	X	X	97.3	80.9	77.8	30.1
0.9	6.7	29	X	77.2	86.5	97.4	X	X	31.3
1.5	6.8	26.3	X	77.8	X	X	82.5	78.7	34

1.5	6.7	26.2	X	X	87	97.4	81.9	X	31.2
1.2	6.6	28	X	75.3	X	96.5	X	75.6	35.7
2.1	6.6	28	X	X	85.3	X	80	76.8	37
1	6.7	28.4	X	76.3	85.5	96.3	X	X	31.8
1.5	6.7	26.3	X	77.2	X	X	80.8	77.5	35
1.4	6.6	24.6	X	77	86.2	X	X	77.9	33.6
1.1	6.4	22.5	X	79.6	87.4	X	82	CIP	33.9
1.4	6.5	23.5	X	78.7	88.1	96.5	X	CIP	31.7
2.2	6.4	26.1	X	X	85.5	95.6	78.2	75.8	34.2
2.6	6.4	26.6	X	77.5	X	96	CIP	76.4	30.7
1.1	6.7	26.4	X	77.9	86.7	CIP	74.7	75.1	32.1
1.5	6.7	26.5	X	77.5	X	92.8	76	76.6	24.8
1.4	6.8	26	X	CIP	CIP	96.1	77.4	77	24.1
1.5	6.8	26.5	X	CIP	CIP	95.5	74.9	74.4	26.4
1.3	6.7	27	X	75.4	84.8	X	75	X	28.7
1.5	6.6	23.6	X	75.1	83.9	95.9	X	X	20.5
1.1	6.7	25.4	X	X	X	96.3	76.5	74.6	20.3
1.5	6.7	25	X	75.7	85.7	X	76.6	X	20.1
1	6.5	25.3	X	76.4	X	96.6	X	75.4	20.3
2	6.7	24.3	X	X	85.3	96.4	77.7	X	21.4
1.7	6.6	25.2	X	75.6	X	X	75.4	73.1	21.8
1.5	6.7	24.9	X	77.1	85.4	96.3	X	X	18.1
1.2	6.5	25.6	X	73.9	X	X	74.4	72.9	21.5
1.4	6.6	25	X	X	85.4	96.1	X	74.1	17.1
1.7	6.7	26.2	89.5	X	85.2	X	X	74.5	20.7
1.4	6.7	25.8	93.4	X	X	94.8	75.2	X	19.9
1.4	6.6	24.3	97.5	97.6	84.8	95.9	X	73.2	18.3
1.2	6.7	22.2	97.7	97.8	X	X	X	75.3	18.3
2.4	6.4	23.5	X	97.8	85.7	X	75.8	X	18.5
1.1	6.8	24.6	97.2	X	X	95.8	X	76.6	18.5
1.4	6.9	25.9	X	97.4	83.3	95.2	X	X	22.6
1.6	6.3	26.1	97.5	97.5	84.8	X	96.7	X	21.6
1.4	6.7	25.6	97	X	X	95.2	96.7	X	15.9
1.3	6.3	24.8	X	97.4	82.9	X	X	71.6	18.4
1.1	6.7	22.5	97.6	X	X	95.2	97.5	X	16.5
0.9	6.6	22.6	X	97	82.3	X	97.4	X	15.5
0.9	6.1	21.8	97.3	97.3	X	95.5	X	X	14.6
1.5	6.6	22.6	98	98	X	X	97.8	X	14.7
1.4	6.6	22.4	97.8	97.9	X	X	97.9	X	14.7
1.9	6.5	23.2	97.8	98.1	96.3	X	97.8	96.8	15.5
1	6.7	23.1	X	X	97.8	X	97.5	97.4	14
1	6.5	23.4	X	X	98	X	98	97.7	14.2
1.2	6.8	22.9	98	97.9	98	96.9	X	X	13.6
1.2	6.7	23.2	97.3	97.8	98	X	X	X	14
1.9	9.8	24	97.6	X	97.9	X	97.8	97.4	14.7
1.2	6.8	22.8	X	97.7	97.9	X	X	97.4	15.1
1.7	6.7	23.7	97.7	97.7	97.9	X	X	X	15.5
1.6	6.5	23.9	97.7	97.6	X	X	97.6	97.4	14.4
1.1	6.6	23.7	97.4	X	X	X	97.6	95.9	16.1
1.2	6.6	23.7	X	97.7	97.9	X	97.9	X	15.7
0.8	6.6	23.9	97.6	97.8	98	X	X	97.5	11.3
1.1	6.7	23.1	97.9	X	97.1	X	98	X	13
1.2	6.8	22.4	X	97.6	97.9	X	X	97.7	13.1
1.4	6.7	22	97.7	X	X	X	98	97.8	12.6
1	6.6	21.2	98	98	98.2	X	X	X	14.4

1.6	6.5	19.6	X	98	X	X	98.1	97.8	13.7
1	6.7	19.6	98.2	X	98.3	X	98.2	X	13.9
1.2	6.6	20.9	98	98	X	X	X	97.8	14.3
1.3	6.6	20.6	X	97.9	98.2	X	97.9	X	16.7
1.5	6.6	19.3	X	X	98.3	X	98.1	97.9	15.9
1.4	6.7	20.4	98.1	98	98.3	X	X	X	14.9
1.8	6.6	19.7	98	X	X	CIP	98.2	97.9	16.5
2.9	6.7	19.7	X	98	98.3	CIP	98.3	X	18.3
2.1	6.7	19.8	98.1	X	98.3	CIP	X	98	18.4
2	6.7	21.1	X	98	X	CIP	98.1	97.9	19.5
2.7	6.6	18.7	98.1	X	98.3	CIP	98.2	X	20.8
1.7	6.6	16.2	98.3	98.3	X	CIP	X	98.2	20.9
2.6	6.7	16.9	98.3	X	98.5	X	98.4	98.3	20.6
2	6.8	16.7	98.5	98.4	98.6	97.5	X	X	21.3
2.5	6.6	17.9	98.4	X	X	X	98.4	98.4	23.6
2.3	6.8	16.7	X	98.3	98.6	97.5	X	X	21.9
2.3	6.7	16.5	98.4	X	X	X	98.5	98.4	23
2.2	6.6	16.3	X	98.5	98.6	97.5	X	X	21.1
2	6.9	18.6	98.4	X	X	X	98.4	98.3	23.9
1.7	6.9	18.8	X	98.4	98.5	97.4	X	X	23.1
1.9	6.9	19.8	98.3	X	X	X	98.4	98.3	20.2
2	6.9	19.4	X	98.2	98.5	97.4	X	X	18.3
2.5	6.7	19.2	98.2	X	X	X	98.4	98.3	17.7
3.7	6.8	17.8	X	98.2	98.3	97.3	X	X	18.9
2.1	6.8	17.9	98.2	X	X	X	98.4	98.1	16
2.4	6.9	18.5	X	98.4	98.5	97.6	X	X	14.3
1.8	6.9	18.4	98.4	X	X	X	98.5	98.3	14.3
2.3	6.8	18.7	X	98.4	98.6	97.5	X	X	14.7
2.9	7	19.6	98.4	X	X	X	98.5	98.4	15.2
1.8	6.9	19.7	X	98.2	98.6	97.3	X	X	15.9
2.1	6.8	16.7	98.3	X	X	X	98.3	98.2	16.1
2	6.6	16.7	X	98.4	98.5	97.5	X	X	16.6
2.2	6.7	17.8	98.5	X	X	X	98.5	98.4	16.9
2.2	6.7	18.7	X	98.4	98.7	97.3	X	X	16.6
2.6	6.8	19.8	98.5	X	X	X	98.6	98.4	15.6
2.3	6.7	19.6	X	98.6	98.6	97.6	X	X	15.1
2.3	6.6	19.1	98.4	X	X	X	98.6	98.4	15.3
2.9	6.6	19.1	X	98.5	98.6	X	X	98.4	16.5
2.7	6.7	18.7	98.4	X	X	97.6	98.5	X	15.1
2.2	6.9	19.4	X	98.6	98.7	X	X	98.5	14
2.5	6.8	20	98.4	X	X	97.3	98.5	X	14.1
2.3	6.9	19.7	X	98.6	98.6	X	X	98.4	14.4
2	6.8	20.2	98.5	X	X	97.6	98.6	X	16.1
2	6.8	20.1	X	98.5	98.7	X	X	98.3	16.8
2.5	6.8	18.7	98.2	98.5	X	97.5	X	X	16.8
2.1	6.9	18.9	98.4	98.7	98.6	X	X	98.4	17.2
2.1	6.9	18.2	98.5	X	98.8	97.9	X	X	16
2.2	6.9	17.4	X	98.7	X	X	98.4	98.5	17.2
2.3	7	18.1	98.6	X	98.6	97.7	X	X	15.4
2	6.9	18.1	X	98.7	X	CIP	98.7	98.4	15.4
2.3	7	16	98.6	98.8	98.7	CIP	X	X	15.7
2.2	6.9	18.3	98	X	98.7	CIP	98.6	98.5	22.7
1.9	6.8	17	98.5	98.7	X	X	X	98.5	17.6
2.5	6.9	17.7	98.6	X	X	X	98.7	98.6	18.2
2.3	6.8	17.1	98.6	98.8	98.8	X	X	X	18.3

2	6.9	18.1	98.5	X	X	X	98.7	98.5	17.4
2.2	6.8	17	X	X	98.8	X	98.8	98.6	17.7
3.3	6.6	16.4	98.5	X	X	X	98.7	98.6	19
1.7	6.6	17.8	X	98.7	98.7	X	X	X	26.5
2	6.7	15.9	98.6	98.6	98.7	X	98.6	98.6	26.1
2.1	6.7	12.6	98.7	X	98.8	X	98.9	98.7	29
2	6.6	14.1	98.7	98.8	98.8	X	98.8	X	30.8
2.3	6.7	13.7	98.8	X	X	98.1	CIP	98.1	32.7
4	6.6	14.7	98.7	X	X	98	CIP	CIP	40.1
3.1	6.7	13.9	X	X	X	98.1	98.5	CIP	43.2
2.9	6.7	14.3	98.7	X	X	X	X	98.3	45.9
2.5	6.8	14.5	X	X	X	97.9	98.4	X	49.6
2.1	6.7	12.4	98.7	X	X	X	X	98.3	55.6
1.3	6.7	15.6	X	X	X	98.2	98.6	X	58.3
2	6.9	13.3	98.9	X	X	X	X	98.4	60.6
3.1	6.9	13.6	X	X	X	98.1	98.6	X	61.4
1.9	6.8	13.8	98.8	X	X	X	X	98.5	63
2.5	6.8	13.9	X	X	X	98.2	98.4	X	42.7
2.1	6.9	12.9	98.7	X	X	X	X	98.4	57.4
1.9	6.8	13.4	X	X	CIP	98.3	98.5	X	58
3.9	6.7	14.2	98.7	X	CIP	X	X	98.3	68.8
1.6	6.7	14.9	X	X	X	98	98.6	X	85.4
2.2	6.8	15.2	X	X	98.8	X	X	98.3	58.6
1.8	6.9	15.6	X	X	X	98	98.4	X	56.9
2.9	6.7	17.6	X	98.5	98.4	X	X	X	55.3
2.4	6.8	16.9	98.5	CIP	X	97.9	X	X	52.2
2.7	6.9	16.9	98.9	CIP	98.2	X	X	X	46.8
2.4	7	15.4	CIP	98.6	X	98.1	X	98.1	45.1
2.5	6.9	15.8	CIP	98.8	98.7	X	98.6	X	34.2
2.9	6.9	16.7	97.8	X	X	97.8	X	98.1	31.8
3.2	7.1	15.5	X	X	98.6	X	X	97.9	31.4
1.6	7	17.1	X	98.7	98.7	X	X	98.2	30.6
2.4	7	18.3	97.8	X	X	98	98.3	X	28.1
2.6	6.9	18.7	X	98.6	98.7	X	X	98.1	26.1
2.4	7	18.4	97.8	X	X	97.7	98.1	X	27.6
3.4	6.7	17.2	X	98.6	98.6	X	X	98.1	27.3
2.1	7	16.9	97.9	X	X	97.9	98.4	X	27.8
2.4	6.9	16.6	X	98.6	98.6	X	X	98	27.8
2.3	6.9	14.9	98	X	X	98.1	98.4	X	31
2.6	6.9	15.9	X	98.4	98.7	X	X	98.1	29
2.8	6.9	15.4	98.1	X	X	98.1	98.5	X	30.2
2.7	6.8	14.8	X	98.7	98.7	CIP	X	98.2	31.1
2.6	6.8	15.6	98.2	X	98.7	CIP	98.6	X	34.6
3.4	6.9	16.5	X	98.6	X	97.5	X	98.1	34.2
2.5	6.8	18.2	98	X	98.7	X	98.4	X	34.7
2	6.7	18.7	X	98.4	X	97.7	X	97.9	35.5
2.4	6.6	18.8	X	X	X	97.6	98.1	97.8	33.5
2.2	6.6	18.1	X	98.5	98.6	X	98.3	X	32.4
1.9	6.7	17.8	97.9	X	X	97.6	X	98.1	32.8
1.7	6.6	17.5	X	98.4	98.6	X	98.5	X	31.2
1.8	6.7	19.4	97.9	X	X	97.9	X	98.1	27.8
1.6	6.7	17.9	98	98.5	98.6	X	X	X	25.8
2.4	6.7	16	X	X	X	97.7	98.5	98.1	25.8
3	6.5	15.9	98.1	98.7	98.6	X	X	X	24.2
2	6.7	16.2	X	X	X	97.9	98.5	98.1	21.3

2.7	6.7	16.4	98.2	98.7	98.7	X	X	X	20.7
1.9	6.7	17.7	X	X	X	97.9	98.5	98.1	19.9
1.9	6.6	17.5	98	98.6	98.7	X	X	X	21.3
2.5	6.7	16.7	X	X	X	97.7	98.3	98.1	20.3
2.6	6.7	13.1	98.2	98.7	98.8	X	X	X	20.9
2.7	6.6	11.7	X	X	X	98.3	98.5	98.2	17.7
1.9	6.6	15.6	98.2	98.8	98.7	X	X	X	15.4
1.9	6.8	15.2	X	X	X	98	98.5	97.9	14.5
1.4	6.6	15	98.2	98.8	98.8	X	X	X	14.2
2.2	6.7	12.5	X	X	X	98.3	98.7	98.5	10.7
2.9	6.9	15.6	98.4	98.8	98.7	X	X	X	11.5
2.8	6.8	15.1	X	X	X	98.2	98.5	98.3	9.7
3.4	6.7	15.4	98.4	98.7	98.8	X	X	X	10.1
2.6	6.8	15.2	X	X	X	97.9	98.6	98.4	8.8
2.5	6.9	13	98.4	98.9	98.8	X	X	X	9
3.4	7	15.4	X	X	X	98.1	98.3	98	11
2.3	7	16	98.3	98.8	98.8	X	X	X	17.8
6.7	6.9	16.7	X	X	X	98	98.7	98.3	19.2
2.5	6.9	16.9	98.2	98.8	98.9	X	X	X	19.7
2.5	6.9	17.8	98.1	X	X	97.9	98.6	98.3	20.4
1.9	6.9	17.9	98.3	98.7	98.7	CIP	X	X	22.1
1.9	7	19	98.1	X	X	97	98.4	98.1	21.8
2.2	7.1	18.4	97.9	98.6	98.6	X	X	X	22.4
2.2	7.1	19.3	X	X	X	97.5	98.3	98	26.6
2.6	7.1	18.8	97.9	98.5	98.5	X	X	X	27.6
2.6	7	19.8	X	X	98.3	97.3	98.2	97.7	29.4
2.9	7	19.7	97.6	98.5	98.4	X	X	CIP	30.6
2.4	7	19.3	97.7	X	X	97.3	98.2	CIP	31.8
2.5	7.1	19.3	X	X	98.4	97.3	X	97.7	35
2.8	7	17.5	X	98.5	X	97.5	98.3	97.9	33.2
2.4	7.2	18.5	98.1	98.5	98.4	X	X	X	32.5
2.2	7	19.4	97.8	X	X	97.4	98.2	97.8	33.1
2.2	7.2	19.9	97.9	98.5	98.5	X	CIP	X	31.3
2.4	7.1	20.6	97.9	X	98.4	97.3	CIP	X	34.8
1.9	7	17.3	X	X	X	97.4	98.2	97.9	37.9
1.8	7.1	18.3	97.9	98.5	98.6	X	X	X	35.6
2.4	7.1	19.5	X	X	X	97.3	98.1	97.7	35.7
2	7.1	20.5	97.8	98.4	98.4	X	X	X	38.5
2.1	6.6	19.9	X	X	98.3	X	97.9	97.3	41.7
1.9	6.9	21.3	97.1	98.2	98.4	X	X	X	41.6
1.5	7	21.2	97.8	X	98.4	CIP	98	X	38.2
1.4	7.1	22.3	97.7	98.4	X	CIP	97.9	97.6	44.5
1.7	7	21	X	X	X	97.1	98	97.6	42.2
1.7	7.1	19.7	97.6	98.3	X	97.1	X	X	37.6
1.4	7	18.5	97.6	98.3	98.1	X	X	X	35.1
1.7	7	19.1	X	X	X	97.1	97.7	97.4	37.6
2.1	6.8	22.1	97.3	98	98	X	X	X	41.7
1.8	7.1	22.4	X	X	X	96.9	97.7	97.3	37.6
2	7	22.3	97.6	98.2	98.1	X	X	X	38.5
1.3	7	19.4	X	X	X	97.5	97.7	97.1	38.5
1.8	7	20.3	97.5	98.1	98	X	X	X	35.7
2.2	7.2	21.9	X	X	X	96.9	97.8	97.3	36.5
1.5	7	20.5	97.2	X	98	X	97.7	X	37.7
1.9	7	18.8	X	98.1	X	97.1	97.7	97.4	36.5

1.8	7	19.6	X	CIP	X	97.4	98.1	97.6	39.5
1.7	7	21.2	X	CIP	98	97.1	97.9	X	40.6
1.5	7.1	21.3	X	97.8	X	X	X	97.2	41.1
2	7.1	20.9	X	X	X	97	97.8	97.3	33.8
1.3	7.2	19.3	X	97.7	98	X	X	X	36.9
1.7	7.1	19.3	X	97.9	98.1	97	97.6	X	36.2
1.6	7	20.4	X	97.8	X	X	97.7	97.4	37.9
1.4	7	20.8	97.6	98	97.8	X	X	X	32
1.6	7	20.8	X	X	X	97.3	97.9	97.4	33.8
1.6	7.1	20.8	97.5	98.1	98.1	X	X	X	30.2
1.9	7.1	21.4	X	X	X	97.2	97.8	97.5	29.4
1.5	7.2	21.8	97.5	98	98	X	X	X	31.6
2	7.1	19.7	X	X	X	97	97.9	97.2	31
1.2	7	19.4	97.7	98.1	98.2	X	X	X	28.8
2.4	7.2	18.1	97.5	X	X	97.6	98	97.6	29.8
1.3	7.2	21.3	97.7	98.2	97.9	CIP	X	X	33.3
1.8	7.1	22.2	X	X	98.2	X	97.9	97.5	32.3
1.7	7.3	23	97.5	98.1	98.1	X	X	X	29.8
1.6	7.2	22.9	X	X	X	96.8	97.8	97.2	28.9
1.3	7.1	22.8	97.2	97.9	97.7	X	X	X	28
1.3	7	21.8	X	X	X	96.4	97.5	96.8	26.6
1.9	7	23.1	97.5	98	97.9	X	X	CIP	27.9
2.7	7.2	21.6	X	98.2	98.2	97	X	CIP	30.8
2.1	7.3	21.8	97.9	X	X	97.3	X	96.1	29.8
1.7	7.3	21.9	X	98.4	98	97.2	X	X	26.5
2.1	7.5	22.3	98	98.4	98.4	X	X	X	35.4
1.9	7.4	19.9	98	98.5	X	97.4	X	X	37.4
1.9	7.4	20.8	X	98.7	X	97.1	X	96.5	31
2.5	7.4	21	98	X	X	97.5	CIP	96.6	23.9
2.1	7.4	22.6	98	X	CIP	96.9	CIP	96.8	37.4
1.9	7.5	23.2	97.2	CIP	CIP	X	96.6	95.8	43.5
2	7.3	23.1	97.5	CIP	97.8	96.5	96.8	X	36.1
2.6	7.4	22.9	97.5	97.8	X	CIP	X	96.5	40.3
2	7.3	22.5	X	97.9	97.7	CIP	97	X	46.3
2.5	7.4	22.8	97.8	X	97.7	X	X	96.2	42.1
1.6	7.3	21.4	97.5	97.7	97.8	X	X	X	33.9
1.4	7.5	20.9	X	X	X	97	96.8	96.6	31.3
1.4	7.3	20.3	97.9	98.1	98	X	X	X	41.8
1.3	7.4	21	X	X	X	97.1	97.3	96.5	39.9
1.4	7.6	21	97.9	98.1	98.3	X	X	X	43
									95
									106
									110
									119
									125
									136
									144
1.62	8.6	24.2	97.8	98	97.9	X	X	X	143.5
1.7	7.5	23.8	X	X	X	96.6	97.3	93.9	95.9
2.3	7.5	23.7	97.7	97.9	97.8	X	X	X	99
2.5	7.5	24	X	X	X	96.7	97	96.3	98.7
2.5	7.5	24.4	97.3	97.7	97.6	X	X	X	89.7
2.5	7.5	24.8	X	X	X	96.1	96.8	96	99
2.4	7.5	24.6	97.1	X	97	X	X	95.8	97
2	7.5	23.9	X	X	97.6	95.9	96.6	X	99

1.8	7.4	26.3	97.2	97.5	X	X	X	95.8	65.6
2.4	7.4	26.5	X	X	X	96.3	96.7	95.8	97.9
2.4	7.5	26.2	97.5	97.9	97.7	X	X	X	98.6
2.4	7.4	25.4	X	X	X	95.5	96.2	95.4	101
2	7.4	24.2	96.7	97.2	97.1	95.7	X	X	94.6
1.8	7.3	23.9	X	X	97.2	X	96.7	96.2	95.3
2.2	7.3	23.7	X	97.4	X	CIP	96.9	96.2	102
2.4	7.4	24.9	CIP	97.9	97.8	CIP	97.2	X	98
1.8	7.3	24.1	CIP	X	X	96.2	97.2	96.5	95
1.7	7.5	25	97.5	98	98.2	95.7	X	X	93
1.6	7.5	24.9	97.3	97.9	CIP	X	X	95.2	98
2.2	7.6	26.1	X	X	CIP	95.2	97.2	96.5	94
2.6	7.6	25.9	97.3	97.9	97.8	X	X	X	96
2.7	7.5	25.3	X	X	X	95.9	96.5	96.6	97
2.6	7.5	26.5	97.1	97.8	97.3	X	X	X	95
1.8	7.5	26.8	96.7	X	X	95.4	96.7	95.6	92
2.4	7.4	27.2	96.9	97.5	97.3	X	CIP	X	95
2.5	7.6	26	96.7	97.4	X	94.5	96	X	99
1.9	7.5	26.8	X	97.4	97.4	CIP	96.6	X	88
2.1	7.6	26	X	X	X	CIP	96.4	96.1	105
1.7	7.4	26.5	96.8	X	X	95.8	X	X	109
2	7.3	27.9	X	X	X	X	96.2	95.3	107
1.6	7.4	28.4	96.3	96.9	X	X	X	X	114
1.8	7.3	28.3	X	X	X	X	96.9	95.5	115
2.3	7.3	27.2	97.2	X	97.4	X	X	X	107
2.1	7.2	27.2	X	X	X	95.8	97	96.1	107
2.5	7.4	25.9	X	96.9	97.1	X	X	X	101
1.9	7.4	27.3	97	X	X	X	96.7	X	96
1.7	7.4	26.1	X	X	97.3	X	X	96.1	94
1.3	7.3	24.8	X	97.5	X	X	97	X	93
1.9	7.4	26.2	97.4	X	97.6	X	X	X	95
1.6	7.6	25.2	X	X	X	X	97.1	96.3	90
1.8	7.4	25.9	97.4	97.6	X	X	X	X	89
1.6	7.4	26.2	X	X	X	X	96.9	95.5	57
1.7	7.5	27.6	96.9	X	97.4	X	X	X	92
1.8	7.5	27.6	X	97.3	X	X	96.8	X	84
1.5	7.3	27.3	X	X	96.9	X	X	96.3	83
1.5	7.4	28.3	96.9	97.3	X	X	X	X	82
1.4	7.4	27.4	X	X	X	94.3	96.5	X	81
1.4	7.5	29	X	X	97.1	X	X	95.6	78
1.4	7.3	28	X	X	X	93.8	96.7	X	74
1.4	7.5	26.1	96.7	X	97.1	X	X	X	77
0.8	7.2	30.7	X	98.6	X	97.2	X	X	75

r Box	2010 Settled Water		2010 Filtrate					2010 Combined Filtrate		
3	6	6	96	96	96	96	96	3	3	3
Alk	Turbidity (NTU)	pH	Filter 1 NTU	Filter 2 NTU	Filter 3 NTU	Filter 4 NTU	Filter 5 NTU	Total Cl2	pH	Temp
	1.73759									
	1.73409									

105	6.9	8.8	0.052	0.055	0.080	X	X	2.7	8.7	26.7
110	4.9	9.3	0.047	0.050	0.056	0.063	X	3.2	9.2	27.1
109	3.4	9.2	0.040	0.043	0.046	0.048	X	3.4	9.2	27.1
108	3.3	9.1	0.038	0.040	0.043	0.044	0.103	3.7	9	27.6
107	3.2	9.3	0.050	0.052	0.041	0.042	0.047	3.6	9.3	28.2

110	3.7	9.2	0.044	0.048	0.067	0.041	0.042	35	9.1	27.9
111	3.8	9.1	0.042	0.045	0.055	X	0.037	3.5	9.1	25
108	3.8	9.2	0.037	0.039	0.044	0.069	0.033	3.4	9.1	25.1
104	3.6	9.3	0.050	0.039	0.043	0.051	0.054	3	9.2	25.2
101	3.7	9.2	0.043	0.051	0.042	0.046	0.038	3.2	98	25
103	2.8	9.3	0.035	0.040	X	0.040	0.032	3.3	9.2	24.1
95	3.8	9.2	0.034	0.037	0.085	0.040	0.031	3.1	9.2	25.1
102	3.3	9.1	0.035	0.035	0.046	0.057	0.039	2.6	9.1	26.8
104	2.5	8.9	0.072	0.037	0.043	0.050	0.043	2.4	9	27.4
106	1.6	8.9	0.048	X	0.043	0.049	0.039	2.6	8.8	27.1
141	2.4	9	0.045	0.071	0.043	0.048	0.038	3.3	8.9	28.5
103	1.7	8.9	0.045	0.062	0.069	0.054	0.039	3.5	8.9	28.3
99	2.1	9.1	0.041	0.047	0.054	0.063	0.055	3.2	9	28.2
99	1.2	9.2	X	0.043	0.049	0.054	0.045	3.9	9.1	29.1
98	1	9.1	0.063	0.059	0.062	0.065	0.040	3.6	9	28.2
96	1	9.2	0.044	0.046	0.050	0.054	0.035	4	9.1	26.8
93	1.3	9.2	0.040	0.041	0.045	0.049	0.042	3.4	9.1	26
101	1.3	9.2	0.039	0.040	0.044	0.048	0.043	2.7	9.2	25.7
94	1.2	9.2	0.051	0.050	0.053	0.056	0.038	3.3	9.1	26.6
96	1.9	9.1	0.051	0.051	0.056	0.061	0.039	3.5	9.1	26.3
89	0.8	9.1	0.051	0.050	0.055	0.059	0.045	3.9	9.2	26.7
97	1.5	9.1	0.053	0.052	0.058	0.062	0.061	4	9.1	26.7
94	1.6	9.2	0.068	0.067	0.063	0.074	0.052	3.3	9.2	26.5
96	1.5	9.2	0.062	0.058	0.068	0.077	0.053	2.8	9.1	28.4
98	1.3	9.3	0.059	0.056	0.065	0.071	0.053	3.1	9.3	28.3
96	2.8	9.3	0.078	0.072	0.065	0.070	0.073	3.5	8.7	28.9
89	2.3	9.2	0.065	0.065	0.082	0.069	0.057	3.7	9.3	27.1
97	1.4	9.2	0.056	0.055	0.068	0.077	0.050	3.9	9.3	28.3
96	2.5	9.3	0.072	0.073	0.063	0.068	0.056	3.9	9.3	28.1
93	2.4	9.2	0.074	0.067	0.087	0.095	0.083	3.7	9.2	27.9
90	2.3	9.3	0.058	0.075	0.067	0.070	0.059	3.7	9.3	28
96	2.4	9.3	0.078	0.065	0.070	0.079	0.064	3.5	9.1	27
93	3.3	9.3	0.071	0.083	0.081	0.084	0.080	3.4	9.1	28.8
85	2.6	9.4	0.086	0.088	0.090	0.092	0.068	3.4	9.2	27
89	3.3	9.4	0.050	0.053	0.057	0.060	0.061	3.9	9.1	27.7
93	3.7	9.4	0.058	0.047	0.052	0.065	0.043	3.8	9.2	28
88	3.9	9.4	0.049	0.042	0.066	0.064	0.052	3.6	9.2	27.8
85	4.4	9.5	0.053	0.044	0.052	0.056	0.055	3.3	9.2	27.5
95	3.7	9.4	0.053	0.043	0.060	0.066	0.045	3.4	9.2	28.3
94	2.2	9.3	0.050	0.040	0.066	0.067	0.059	3.6	9.2	27.9
98	1.9	9.2	0.079	0.065	0.066	0.069	0.075	3.6	9.2	27.8
98	1.5	9.2	0.069	0.058	0.081	0.093	0.064	3.9	9.1	27.4
99	1.6	9.1	0.074	0.063	0.088	0.081	0.077	3.8	9.1	28.3
95	1.3	9.2	0.086	0.077	0.072	0.087	0.078	3.8	9.1	28.7
94	0.9	9.2	0.082	0.077	0.092	0.083	0.085	3.7	9.2	28.5
96	1.2	9.2	0.088	0.070	0.093	0.099	0.080	3.9	9.2	27.4
97	0.9	9.1	0.079	0.061	0.077	0.095	0.074	4	9	26.6
97	0.8	9.1	0.077	0.071	0.084	0.088	0.079	4.1	9	26
92	1.3	9.1	0.087	0.065	0.081	0.076	0.083	4.2	9	28.2
95	1.1	9.2	0.069	0.058	0.069	0.088	0.067	3.8	9	28.7
90	0.94	9.1	0.081	0.075	0.090	0.081	0.076	3.8	9.1	28
87	0.85	9.3	0.072	0.061	0.075	0.073	0.075	3.8	9.1	27.4
97	0.88	9.3	0.071	0.072	0.077	0.082	0.072	3.5	9.2	27.8
99	0.97	9.1	0.096	0.105	0.107	0.108	0.097	2.9	9.1	27
95	1	9.3	0.073	0.075	0.079	0.083	0.072	4.4	9.1	24.8

95	1	9.2	0.098	0.094	0.099	0.095	0.096	4.6	9	25.2
99	1.1	9.1	0.102	0.106	0.109	0.111	0.102	3.9	9	26.1
95	1.5	9.2	0.087	0.092	0.097	0.102	0.091	3.5	9	27.5
99	1.2	9.2	0.099	0.106	0.114	0.116	0.100	3.7	9	26.7
102	1.3	9.2	0.122	0.127	0.131	0.125	0.095	4.6	9	25.5
102	1.3	9.2	0.113	0.122	0.118	0.123	0.097	4.5	9	24.3
103	1.2	9.3	0.119	0.109	0.132	0.147	0.115	3.9	8.9	21.2
102	1.7	9.2	0.120	0.128	0.130	0.107	0.095	3.4	9	22.6
103	1.5	9.1	0.095	0.099	0.115	0.138	0.105	3.7	9	24.2
101	1.2	9.2	0.082	0.089	0.090	0.095	0.073	3.5	9.1	24.3
98	1.1	9.2	0.081	0.086	0.112	0.108	0.088	3.9	9.1	24.9
102	0.88	9.1	0.088	0.093	0.104	0.093	0.080	4.5	9.1	25.6
101	0.84	9.1	0.074	0.079	0.088	0.097	0.077	4.1	9.1	24.8
102	1	9.1	0.065	0.068	0.076	0.087	0.062	4.1	9.2	25.5
106	1.2	9	0.062	0.065	0.071	0.077	0.057	3.6	9	26.4
102	1.2	9.2	0.091	0.080	0.094	0.077	0.071	3.8	9.2	25.6
96	1.3	9.2	0.072	0.076	0.081	0.083	0.072	2.5	9.2	23.5
99	1.5	9.1	0.064	0.069	0.076	0.088	0.062	3.9	9.2	30
102	1.3	9.1	0.059	0.063	0.069	0.076	0.055	3.6	9.1	24
107	1.3	9.1	0.082	0.077	0.073	0.072	0.052	3.9	9.2	24.3
105	1.2	9.1	0.073	0.082	0.097	0.093	0.080	4.5	9.1	24.1
106	1.2	9.1	0.061	0.066	0.073	0.084	0.060	3.8	9.1	24.5
103	1.1	9	0.058	0.061	0.068	0.075	0.054	3.8	9.1	24.8
100	1.1	9	0.071	0.069	0.064	0.069	0.051	3.4	9.1	24.4
103	1.1	9.2	0.070	0.078	0.086	0.079	0.070	4	9.2	25
102	1.1	9.2	0.062	0.066	0.073	0.085	0.061	3.7	9.2	24.4
103	0.99	9.2	0.057	0.060	0.066	0.072	0.053	3.2	9.2	23.1
100	0.79	9.2	0.079	0.063	0.069	0.075	0.058	3.5	9.1	22.8
102	1.2	9.2	0.076	0.102	0.103	0.079	0.084	3.6	9	18.1
102	1	9.2	0.073	0.080	0.086	0.109	0.077	4.4	9.1	23.3
104	0.98	9.1	0.075	0.083	0.087	0.096	0.076	3.8	9.1	23.5
102	1.1	9	0.077	0.079	0.083	0.089	0.071	3.6	9	27.3
102	1.1	9	0.098	0.102	0.101	0.078	0.086	3.6	9	24.2
104	1.29	9.1	0.072	0.081	0.086	0.098	0.075	3.9	9.1	23.2
99	0.98	9.2	0.065	0.071	0.075	0.083	0.063	4.3	9.1	21.3
104	1.01	9.1	0.065	0.063	0.066	0.071	0.054	4.1	8.9	21.7
105	0.83	9.2	0.085	0.088	0.081	0.068	0.071	3.9	8.9	20.6
102	0.76	9.1	0.066	0.074	0.078	0.099	0.068	3.9	8.9	19.9
104	1.01	9.2	0.058	0.063	0.064	0.074	0.055	3.8	8.8	21.3
101	1.7	9.1	0.056	0.059	0.080	0.069	0.051	3.6	8.9	20.6
104	0.99	9.1	0.089	0.084	0.082	0.071	0.061	3.7	8.9	20.9
102	0.62	9.2	0.075	0.084	0.073	0.098	0.079	3.5	8.9	21.4
102	1.07	9.2	0.069	0.075	0.069	0.089	0.066	9.8	8.9	21.3
103	0.94	9.2	0.070	0.068	0.083	0.079	0.060	3.6	8.9	21.3
105	0.75	9.2	0.094	0.081	0.085	0.075	0.055	3.6	9	20.9
106	0.66	9.2	0.076	0.087	0.076	0.089	0.087	3.5	9	21.6
106	0.8	9.1	0.064	0.069	0.065	0.087	0.059	3.9	9	22.2
96	0.77	9.1	0.059	0.061	0.070	0.074	0.051	3.5	9.1	22.2
101	0.94	9.1	0.082	0.067	0.080	0.072	0.051	3.3	9.1	22.4
104	0.7	9.1	0.069	0.084	0.069	0.079	0.072	3.4	9.1	22
104	0.8	9.1	0.066	0.072	0.066	0.091	0.065	3.4	9	23.1
106	0.72	9.2	0.067	0.068	0.073	0.084	0.061	3.4	9.1	22.1
107	0.87	9.2	0.095	0.070	0.105	0.084	0.061	3.5	9	20.9
104	0.72	9.2	0.080	0.093	0.078	0.076	0.077	3.4	9	21
107	0.84	9.2	0.076	0.082	0.076	0.104	0.075	3.5	9	19.6

106	0.69	9.1	0.075	0.078	0.074	0.092	0.068	3.8	8.9	18
104	0.71	9.2	0.097	0.080	0.109	0.085	0.059	3.6	8.8	18.4
103	0.83	9.2	0.086	0.096	0.084	0.086	0.073	3.8	8.8	18.5
92	0.79	9.1	0.078	0.079	0.077	0.106	0.074	3.7	8.9	16.6
93	0.82	9	0.071	0.071	0.074	0.088	0.066	3.7	8.8	17.5
107	0.9	8.9	0.092	0.072	0.102	0.080	0.059	4.1	8.9	17.7
118	1.03	9.1	0.083	0.096	0.079	0.077	0.063	3.7	9	17
101	1.04	9.1	0.075	0.076	0.073	0.106	0.069	3.9	8.9	17.9
106	1.18	9.1	0.080	0.081	0.087	0.098	0.074	3.9	8.9	18.6
104	1.06	9.1	0.105	0.082	0.128	0.098	0.074	3.9	8.9	18.6
106	1.16	9.2	0.120	0.129	0.107	0.100	0.077	3.7	8.9	15.6
104	1.32	9.1	0.092	0.100	0.092	0.124	0.101	3.9	8.9	12.7
103	1.3	9.2	0.083	0.086	0.088	0.105	0.085	3.6	8.8	11.3
102	1.5	9.1	0.081	0.073	0.104	0.087	0.071	3.6	9.1	10.8
106	1.3	9.1	0.093	0.097	0.085	0.082	0.066	3.4	9.1	12.1
100	1.26	9.2	0.081	0.087	0.077	0.101	0.094	3.9	9.3	11.1
102	1.07	9.3	0.065	0.068	0.067	0.083	0.065	4.1	9.3	10.4
99	1.15	9.2	0.061	0.064	0.092	0.076	0.060	4	9.1	11.6
106	1.08	9.2	0.087	0.082	0.076	0.075	0.060	3.9	9.1	12.7
108	1.1	9.1	0.079	0.084	0.079	0.096	0.085	3.8	9	16.9
113	0.97	9	0.081	0.082	0.083	0.108	0.078	3.9	8.9	15.9
114	1.14	9	0.079	0.079	0.112	0.101	0.074	4	9	15.8
116	1.09	9.1	0.097	0.091	0.091	0.089	0.065	3.9	9	15.7
117	1	9	0.097	0.098	0.094	0.101	0.092	4.2	9	14.5
121	0.95	9	0.089	0.084	0.075	0.119	0.087	3.8	9	14.2
122	0.96	9	0.083	0.071	0.081	0.100	0.076	4	9	13.4
118	0.98	9	0.096	0.077	0.075	0.092	0.070	3.8	9	13.8
119	0.98	9.1	0.091	0.087	0.067	0.092	0.091	4	9.1	13.8
123	0.98	9.1	0.086	0.078	0.064	0.115	0.084	3.7	9.1	17
123	1.3	9.2	0.097	0.085	0.075	0.098	0.077	4	9.1	17.1
120	1.4	9.2	0.109	0.098	0.084	0.109	0.095	3.9	9.2	10.8
121	0.93	9	0.097	0.088	0.093	0.127	0.100	3.9	8.9	11.6
124	0.99	9.1	0.095	0.105	0.114	0.110	0.089	3.9	9.1	13
130	3.2	9.2	0.105	0.090	0.091	0.094	0.093	3.7	9.3	14.1
128	2.4	9.1	0.111	0.117	0.133	0.126	0.096	4	9.1	15
126	1.13	8.9	0.115	0.102	0.109	0.114	0.104	4.1	8.9	15.2
124	2.8	8.9	0.136	0.121	0.159	0.181	0.145	4.3	8.9	13.9
132	0.74	8.9	0.134	0.124	0.112	0.120	0.107	4.1	8.8	14.8
128	0.85	8.8	0.107	0.098	0.103	0.108	0.089	3.9	8.8	15.1
126	0.91	9	0.092	0.085	0.119	0.112	0.079	3.7	9	15.4
126	0.71	9.1	0.090	0.092	0.108	0.124	0.102	3.8	9.1	15.6
126	0.9	9.1	0.111	0.089	0.091	0.100	0.084	4	9.2	16
124	1	9.1	0.087	0.074	0.092	0.091	0.074	3.7	9.1	16.6
126	1.2	9.1	0.085	0.091	0.108	0.112	0.082	3.6	9.1	16.6
130	1.2	9	0.119	0.091	0.097	0.109	0.094	3.6	9	15.3
126	1	8.9	0.096	0.082	0.092	0.100	0.081	3.8	8.9	14.5
124	0.97	8.7	0.082	0.081	0.110	0.103	0.069	3.6	8.9	14
126	1.05	8.9	0.066	0.093	0.080	0.089	0.066	3.7	8.9	13.7
123	0.67	9	0.084	0.072	0.070	0.077	0.084	4	9	13.8
118	0.5	9.1	0.066	0.062	0.062	0.068	0.066	3.9	9	14
122	0.65	9.1	0.059	0.059	0.075	0.075	0.060	4.1	9	12.7
149	0.88	9	0.067	0.094	0.081	0.092	0.068	3.8	9.1	13.5
122	0.83	9.1	0.073	0.066	0.064	0.070	0.080	4	9.1	13.7
127	0.86	9.1	0.068	0.064	0.063	0.069	0.065	3.8	9.1	12.5
126	0.86	9	0.064	0.073	0.087	0.082	0.062	3.7	9	12.9

124	0.78	9.1	0.060	0.070	0.066	0.073	0.056	3.8	9.1	12.8
127	0.98	9.1	0.075	0.067	0.064	0.072	0.080	3.7	9.1	11.6
130	0.75	9.1	0.065	0.063	0.063	0.069	0.066	3.2	9	10.9
127	0.8	9.3	0.060	0.059	0.086	0.081	0.061	3.2	9.1	10.9
125	1.1	9.1	0.060	0.088	0.074	0.080	0.059	4	9.2	11.1
133	1.1	9.2	0.092	0.073	0.074	0.079	0.088	4.2	9.2	9.1
151	1.15	9.1	0.088	0.080	0.083	0.087	0.087	3.9	9.1	9.1
149	1.2	9.1	0.085	0.080	0.111	0.103	0.083	4	9.1	9.8
142	1.7	9.1	0.080	0.114	0.102	0.111	0.080	4	9.1	8.9
142	1.9	9.2	0.114	0.092	0.087	0.093	0.097	4	9.1	7.2
140	1.6	9.2	0.086	0.077	0.082	0.084	0.089	4.4	9.2	9.9
140	2.2	8.9	0.081	0.075	0.085	0.087	0.082	4.3	8.9	7.9
118	6.2	9.1	0.113	0.116	0.129	0.125	0.116	4	9.1	6.9
136	3.7	9.1	0.091	0.083	0.124	0.101	0.091	4	9.1	7.9
137	1.9	9.2	0.075	0.095	0.097	0.095	0.074	3.8	9.3	7.9
140	2.3	9.3	0.078	0.090	0.093	0.121	0.093	4.3	9.3	8.5
132	2.5	9.2	0.098	0.069	0.077	0.092	0.081	3.6	9.2	8.5
125	1.9	9.3	0.059	0.051	0.074	0.068	0.066	3.9	9.3	8.6
117	1.9	9.3	0.053	0.061	0.072	0.064	0.054	3.5	9.2	8.2
121	1.4	9.2	0.051	0.059	0.063	0.076	0.051	3.2	9.2	8.2
138	1.9	9.2	0.093	0.064	0.073	0.088	0.065	3.5	9.2	9.2
172	4	7.4	0.127	0.099	0.131	0.122	0.147	4.2	9	8.3
122	2.3	9.1	0.062	0.049	0.084	0.070	0.061	3.6	9.1	8.6
122	1.4	9	0.052	0.067	0.064	0.069	0.051	3.7	9.1	11.4
128	1.4	9.1	0.066	0.058	0.064	0.079	0.051	3.5	9.1	11
129	1.3	9.1	0.066	0.057	0.063	0.071	0.075	3.6	9.1	10.7
130	1	9.1	0.063	0.058	0.090	0.071	0.063	3.7	9	11
125	1.4	9.1	0.063	0.081	0.076	0.074	0.063	4.2	9	11.5
117	1	9.1	0.063	0.059	0.064	0.081	0.053	4.1	9.1	11.3
120	1.07	9.1	0.063	0.055	0.071	0.069	0.066	4	9	11.7
124	0.8	9.2	0.063	0.055	0.071	0.069	0.066	4.2	9.1	10.3
126	0.86	9.2	0.071	0.068	0.074	0.086	0.061	3.9	9.1	10.7
124	1.3	9.2	0.075	0.077	0.090	0.085	0.079	3.8	9.1	13.4
118	1.3	9.1	0.072	0.063	0.074	0.081	0.060	3.9	9.2	13.3
116	1.5	9.2	0.061	0.069	0.080	0.075	0.062	3.7	9.2	14.6
122	0.84	9.2	0.079	0.063	0.078	0.084	0.054	3.8	9.1	13.5
123	0.86	9.1	0.065	0.062	0.073	0.074	0.060	4.1	9.1	13
116	0.83	9.1	0.063	0.073	0.085	0.083	0.060	3.7	9.1	13.6
118	1.11	9.1	0.075	0.056	0.075	0.081	0.054	3.8	9.1	10.1
114	0.96	9.1	0.060	0.067	0.073	0.069	0.072	3.8	9.1	10.3
118	1	9.2	0.071	0.054	0.075	0.081	0.061	3.7	9.2	11.7
113	0.81	9.3	0.058	0.056	0.064	0.068	0.067	3.5	9.2	10.3
113	1.05	9.2	0.066	0.054	0.074	0.075	0.061	3.6	9.2	11.5
112	0.98	9.2	0.061	0.049	0.067	0.070	0.058	3.7	9.2	12.5
110	0.89	9.2	0.066	0.060	0.072	0.071	0.071	3.4	9.1	14.6
113	0.91	9.1	0.062	0.055	0.072	0.076	0.060	3.5	9.1	14
108	0.87	9.1	0.063	0.064	0.063	0.065	0.073	3.5	9.1	16.1
112	1.3	9.3	0.059	0.056	0.078	0.074	0.056	3.6	9.3	14.4
111	2.8	9.6	0.058	0.052	0.061	0.061	0.049	3.6	9.6	14.4
116	1.6	9.1	0.065	0.075	0.078	0.066	0.069	3.2	9	14.2
115	0.73	9.1	0.063	0.065	0.077	0.086	0.065	3.8	9	14.9
114	0.78	9.1	0.078	0.084	0.071	0.073	0.075	3.7	9.1	15.2
117	0.82	9.2	0.072	0.070	0.089	0.086	0.069	3.7	9	10.8
112	0.75	9	0.072	0.079	0.088	0.087	0.076	3.5	9	12.3
113	0.67	9.3	0.072	0.070	0.081	0.077	0.072	5.2	9.1	11.4

121	0.87	9.2	0.071	0.061	0.077	0.080	0.065	4.3	9.3	12
115	0.69	9.3	0.057	0.055	0.076	0.074	0.063	4.3	9.3	13.6
113	1.3	9.3	0.066	0.065	0.068	0.071	0.059	3.8	9.3	14
118	0.8	9.1	0.061	0.062	0.092	0.077	0.075	4	9.1	12.4
120	0.69	9.2	0.080	0.081	0.085	0.085	0.074	4.5	9	9.7
122	0.9	9.1	0.076	0.081	0.084	0.089	0.066	4.4	9.1	10.7
126	0.87	9.1	0.067	0.075	0.092	0.082	0.077	4.2	9	10.8
129	0.78	9.2	0.073	0.079	0.089	0.088	0.072	4	9.2	10.7
121	0.63	9.2	0.073	0.079	0.087	0.088	0.073	4.2	9.1	6.8
113	0.52	9.1	0.070	0.075	0.082	0.083	0.069	3.9	9.1	8.8
123	0.57	9.1	0.077	0.083	0.084	0.092	0.070	4.3	9.1	8.3
120	0.62	9.1	0.079	0.085	0.099	0.096	0.083	3.8	9.1	9.6
127	0.58	9.1	0.092	0.100	0.112	0.106	0.095	3.8	9	8.1
118	0.7	9.2	0.096	0.097	0.110	0.098	0.093	3.6	9.1	9.8
113	0.69	9.2	0.082	0.084	0.095	0.084	0.079	3.5	9.2	9.5
114	0.7	9.3	0.080	0.081	0.095	0.086	0.079	3.8	9.3	11.9
115	0.75	9.2	0.085	0.086	0.100	0.090	0.083	3.9	9.3	12.8
118	1.1	9.3	0.088	0.089	0.101	0.091	0.087	3.8	9.3	12.5
118	1.4	9.35	0.073	0.077	0.088	0.081	0.072	3.6	9.3	12.7
113	1.6	9.3	0.089	0.083	0.082	0.076	0.070	3.6	9.3	13.5
115	1	9.1	0.112	0.115	0.133	0.125	0.122	3.9	9.1	14.3
120	1.2	9	0.117	0.114	0.118	0.110	0.099	3.9	9	14.7
112	0.97	9	0.109	0.108	0.117	0.107	0.104	3.9	9	14.6
108	0.82	9.1	0.093	0.094	0.116	0.112	0.104	3.7	9.1	15.5
1.8	0.7	9	0.101	0.100	0.103	0.106	0.100	3.9	9	17.4
107	0.76	9	0.104	0.113	0.126	0.105	0.099	4.4	9.2	17.4
107	0.81	9.1	0.123	0.112	0.137	0.130	0.124	4.6	9.1	16.8
113	0.86	9.2	0.132	0.134	0.125	0.130	0.119	4.4	9.2	16.5
111	1.03	9.1	0.109	0.104	0.153	0.119	0.120	4.4	9.1	16.8
			0.122	0.160	0.131	0.112	0.105			
100	0.76	9.2	0.121	0.105	0.111	0.127	0.115	4.5	9	16.4
101	0.77	9.1	0.107	0.132	0.130	0.101	0.097	4.4	8.8	16.7
100	0.89	9.2	0.102	0.107	0.130	0.116	0.110	3.7	9.2	17.3
99	0.83	9.4	0.128	0.118	0.145	0.125	0.116	3.6	9.3	18.3
102	1.07	9.8	0.117	0.138	0.146	0.125	0.109	3.5	9.1	19.3
102	1.2	9.9	0.159	0.139	0.158	0.158	0.141	3.3	9.1	17.5
104	0.66	9.8	0.156	0.142	0.179	0.153	0.126	3.4	9.1	16.8
100	0.73	9.7	0.121	0.111	0.124	0.122	0.104	3.4	9.1	17.1
103	0.72	9.6	0.146	0.135	0.157	0.145	0.124	3	9.2	19.3
104	1.1	9.7	0.129	0.135	0.141	0.140	0.126	3.4	9.2	20.4
103	0.83	9.8	0.125	0.110	0.141	0.126	0.095	3.6	9.3	19.5
105	0.83	9.9	0.161	0.129	0.169	0.172	0.127	3.3	9.2	21.3
103	0.81	10	0.141	0.174	0.143	0.154	0.149	3.1	9.1	20.9
99	0.71	9.9	0.174	0.138	0.188	0.166	0.116	3.4	9.2	20.4
98	0.76	10	0.134	0.138	0.130	0.145	0.120	3.7	9.2	18.7
99	0.65	9.9	0.123	0.138	0.136	0.122	0.077	3.7	9.1	18.9
97	0.7	9.9	0.145	0.113	0.131	0.151	0.106	3.7	9	19.9
96	0.66	9.8	0.136	0.128	0.145	0.121	0.114	3.7	9.2	20.9
96	0.91	9.9	0.098	0.082	0.120	0.104	0.075	3.4	9.4	21.1
94	0.85	10	0.089	0.082	0.080	0.084	0.085	3.4	9.3	20.7
93	0.75	10	0.100	0.070	0.084	0.121	0.069	3.6	9.3	19.7
77	0.66	9.8	0.109	0.084	0.099	0.102	0.078	3.4	9.2	19.3
94	0.56	9.9	0.087	0.072	0.085	0.112	0.067	3.3	9.3	20.8
94	0.47	10	0.109	0.090	0.111	0.108	0.080	3.5	9.3	20.2
93	0.42	10.1	0.087	0.073	0.089	0.110	0.069	3.5	9.2	19.3

103	0.58	9.9	0.084	0.096	0.126	0.094	0.074	3.4	9.1	18.9
102	0.9	9.8	0.103	0.094	0.096	0.123	0.086	3.2	9.3	20.3
105	0.51	9.9	0.080	0.084	0.082	0.085	0.079	3.6	9.4	20.3
97	0.91	10.1	0.067	0.046	0.070	0.079	0.042	3.5	9.3	19.9
92	1.2	10	0.049	0.059	0.058	0.064	0.042	3.4	9.4	19.9
98	0.85	10.1	0.082	0.062	0.084	0.069	0.073	3.3	9.3	18.7
94	0.56	10	0.095	0.086	0.095	0.107	0.080	3.4	9.3	19.6
98	0.76	10	0.094	0.066	0.111	0.082	0.064	3.3	9.3	20.3
101	0.62	10	0.097	0.098	0.088	0.097	0.095	3.3	9.2	20.4
93	0.44	10	0.086	0.061	0.106	0.079	0.058	3.4	9.2	20.5
94	0.67	10.1	0.062	0.073	0.074	0.091	0.069	3.5	9.2	21.2
101	0.69	10	0.096	0.072	0.099	0.092	0.069	3.6	9.2	21.6
99	0.62	10	0.105	0.077	0.101	0.097	0.077	3.5	9.2	20
102	1.8	10.2	0.062	0.065	0.072	0.077	0.065	4.2	9.1	19.1
98	0.8	9.9	0.094	0.061	0.068	0.070	0.053	3.3	9	19.2
97	0.72	9.7	0.113	0.104	0.110	0.110	0.089	3.2	9.1	20
95	0.5	9.8	0.085	0.081	0.082	0.083	0.066	3.6	9.3	20.2
97	0.57	9.9	0.108	0.083	0.107	0.103	0.089	4.2	9.3	20.5
101	0.49	9.9	0.099	0.092	0.100	0.088	0.085	3.7	9.4	22.1
93	0.63	9.9	0.089	0.071	0.085	0.083	0.066	3.9	9.4	22.1
95	0.65	9.9	0.097	0.090	0.100	0.095	0.078	4.1	9.3	21.4
96	1.1	9.5	0.084	0.068	0.094	0.092	0.064	4.8	9.2	22.4
101	1.1	9.9	0.092	0.083	0.082	0.086	0.072	4.3	9.3	21.4
97	0.69	9.8	0.095	0.094	0.115	0.107	0.075	4.1	9.2	21.4
93	0.58	9.8	0.094	0.076	0.093	0.097	0.075	3.9	9.3	21.3
90	0.71	9.5	0.103	0.095	0.107	0.093	0.069	3.8	9.5	21.8
94	0.79	9.8	0.088	0.074	0.104	0.101	0.082	3.5	9.3	21.1
94	0.79	9.8	0.094	0.084	0.089	0.079	0.072	3.6	9.2	21
92	0.65	9.8	0.071	0.064	0.079	0.073	0.060	3.9	9.3	21
87	0.87	9.7	0.067	0.059	0.111	0.094	0.050	3.7	9.1	21.2
91	0.66	9.7	0.107	0.098	0.097	0.084	0.052	3.7	9.2	21.7
90	0.76	9.8	0.080	0.067	0.076	0.069	0.073	3.4	9.2	22.2
86	0.85	9.7	0.062	0.055	0.093	0.091	0.047	3.4	9.3	22.7
83	0.07	9.8	0.063	0.058	0.095	0.082	0.047	3.3	9.1	22.9
85	0.48	9.9	0.066	0.102	0.090	0.080	0.049	3.6	9.2	25.8
79	0.54	10.2	0.069	0.075	0.076	0.069	0.069	3.6	9.2	22.4
82	0.69	9.9	0.082	0.054	0.080	0.087	0.051	3.8	9	21.7
78	0.88	9.4	0.070	0.056	0.096	0.081	0.048	3.7	9	20.1
74	0.81	9.4	0.065	0.085	0.081	0.074	0.045	3.6	9	21.5
77	0.84	9.4	0.076	0.095	0.091	0.084	0.091	3.7	9.1	21.2
130	1.9	9.8	0.202	0.138	0.140	0.171	0.146	3.7	9.1	21.7
123	1.9	10.1	0.176	0.114	0.270	0.179	0.117	3.7	9.2	21.2
122	1.6	10.3	0.139	0.135	0.172	0.140	0.120	3.5	9.2	21.7
116	1.9	10.5	0.097	0.119	0.105	0.100	0.079	3.7	9.4	22.3
108	2	10.4	0.139	0.102	0.097	0.093	0.126	3.4	9.3	22
108	3.1	10.4	0.131	0.106	0.106	0.129	0.114	3.7	9.2	21.9
101	2.7	10.3	0.119	0.102	0.140	0.141	0.098	3.7	9.3	22.6
89.6	9.8	10.3	0.118	0.146	0.128	0.126	0.098	3.47	9.3	22.96
61	1	10.5	0.096	0.050	0.053	0.058	0.073	4	9.1	23.2
59	1.1	10.5	0.063	0.039	0.045	0.061	0.047	3.7	9.2	23.5
60	1.1	10.5	0.052	0.040	0.071	0.071	0.040	3.4	9.1	23.1
59	1.8	10.2	0.046	0.059	0.052	0.057	0.035	3.8	9.5	24.5
58	1	10.5	0.053	0.045	0.046	0.052	0.059	3.6	9.4	25.4
57	1.3	10.5	0.055	0.038	0.042	0.050	0.038	3.5	9.4	24.9
58	1.3	10.3	0.054	0.041	0.083	0.087	0.039	3.5	9.2	26.2

58	0.98	10.4	0.050	0.065	0.059	0.063	0.033	3.4	9.2	25
58	1.1	10.4	0.046	0.044	0.047	0.054	0.044	3.7	9	25.9
56	1.2	10.5	0.072	0.042	0.037	0.053	0.043	3.5	9	25.9
69	1.3	10.2	0.057	0.041	0.066	0.084	0.041	3.7	9.2	26
54	1.1	10.5	0.048	0.064	0.055	0.062	0.035	3.8	9.1	24.8
56	1.1	10.3	0.052	0.060	0.055	0.063	0.052	3.9	9	25.1
55	1.1	10.3	0.075	0.045	0.046	0.056	0.049	3.8	9.1	24.4
57	1.4	10.3	0.060	0.044	0.057	0.071	0.037	3.9	9.1	25
47	1.3	10.2	0.051	0.065	0.053	0.050	0.029	3.8	9	24.5
54	1.2	10.5	0.043	0.047	0.041	0.040	0.032	3.9	9.2	24.1
53	1.9	10.3	0.074	0.041	0.041	0.041	0.044	3.6	9.3	25.1
54	1.3	10.3	0.053	0.037	0.045	0.055	0.031	3.2	9.3	26.6
55	1.3	10.5	0.046	0.045	0.047	0.045	0.029	3.6	9.4	25.8
57	1.9	10.4	0.046	0.048	0.043	0.044	0.029	3.8	9.4	26
55	1.6	10.2	0.065	0.043	0.042	0.043	0.046	3.8	9.3	26
58	1.8	10.3	0.074	0.046	0.052	0.070	0.046	3.5	9	27
57	1.6	10.4	0.052	0.045	0.063	0.064	0.032	3.7	9.3	27.9
56	1.7	10.5	0.056	0.066	0.055	0.063	0.035	3.8	9.2	27.6
56	1.1	10.4	0.056	0.036	0.043	0.053	0.044	3.9	9.1	26.4
58	2	10.7	0.059	0.027	0.040	0.057	0.034	3.6	9.7	26.4
67	1.9	10.7	0.056	0.035	0.069	0.074	0.038	3.9	9.2	27.5
63	1.7	10.6	0.065	0.090	0.064	0.074	0.049	3.7	9	25.7
70	1.9	10.4	0.062	0.062	0.055	0.066	0.067	3.8	9.2	28
71	1.5	1.7	0.066	0.039	0.041	0.051	0.042	3.6	9.3	27.4
64	1.8	10.6	0.051	0.040	0.053	0.067	0.037	4.1	9.4	26.4
69	1.4	10.6	0.048	0.058	0.045	0.054	0.035	4	9.4	26.5
67	1.8	10.6	0.047	0.047	0.042	0.052	0.041	4.1	9.2	28
66	2.6	10.6	0.064	0.044	0.041	0.052	0.043	3.9	9.3	27
68	1.5	10.6	0.053	0.043	0.061	0.074	0.039	4.3	9.5	28
103	1.5	10.6	0.051	0.067	0.060	0.065	0.038	4.2	8.6	26.5
117	3.7	10.6						4.2	9.1	25.3
115	1.9	10.7						3.9	9.4	26.9
113	1.9	10.6						3.7	9.4	26
106	1.9	10.6						3.7	9.3	28.2
109	1.6	10.6						3.6	9.4	28.8
108	1.8	10.5						3.7	9.3	28.9
114	2.2	10.5						3.9	9.3	28.6
105	1.7	10.5						3.7	9	28.6
113	1.5	10.4						3.5	8.6	28.1
107	1.5	10.7						3.6	9.5	28
106	1.8	10.5						3.6	9.4	29.1
103	1.8	10.5						3.5	9.4	28.2
100	2.1	10.4						3.4	8.9	25.6

Clearwell	**Finished Water**									
6	**3**	**3**	**3**	**3**	**1**	**1**	**1**	**1**	**1**	**1**
Turbidity (NTU)	Total Cl2	Mono-Cl	Free NH3	pH	Chloride	Chlorite	Chlorate	Sulfate	Nitrate	Nitrite
1.73759										
1.73409										

0.25	2.9	2	0.32	8.4	136.30	0.47	0.34	40.16	0.54	0.09
0.06	3.2	3	0.23	8.9	105.05	0.32	0.27	35.65	1.97	0.06
0.05	3.3	3.1	0.17	9.1	74.02	0.27	0.18	31.19	2.18	0.03
0.06	3.5	3.4	0.23	9	70.43	0.23	0.14	31.74	2.95	0.02
0.09	3.4	3	0.1	9.1	68.01	0.24	0.13	34.50	2.93	0.02

0.05	3.3	2.9	0.19	9.1	65.33	0.22	0.14	34.27	2.58	0.02
0.05	3.2	3	0.22	9	68.16	0.24	0.15	35.52	2.87	0.03
0.04	3	2.7	0.19	9	64.59	0.24	0.12	34.16	2.79	0.02
0.04	3	2.6	0.18	9.1	63.16	0.24	0.15	34.66	2.19	0.02
0.04	2.9	2.8	0.17	9.1	64.00	0.23	0.14	34.44	2.60	0.02
0.04	3.1	3.2	0.16	9.2	60.24	0.22	0.14	34.34	1.71	0.02
0.04	3.2	3	0.16	9.2	60.72	0.21	0.14	34.54	1.83	0.02
0.04	2.7	2.5	0.26	9.1	59.90	0.22	0.16	34.85	1.69	0.02
0.06	2.4	2.3	0.13	9	61.66	0.22	0.15	34.41	1.84	0.01
0.05	2.5	2.3	0.07	8.9	63.87	0.22	ND	35.79	1.68	0.02
0.05	2.7	2.5	0.07	8.7	63.45	0.20	0.12	34.64	1.96	0.02
0.06	3.3	2	0.15	8.8	66.83	0.19	0.13	34.65	2.13	0.02
0.06	3.2	2.9	0.24	8.9	65.11	0.21	0.13	34.46	1.95	0.02
0.05	3.3	3	0.25	9	64.69	0.21	0.13	34.45	1.79	0.02
0.06	3.4	3.2	0.24	9	93.21	0.30	0.21	47.80	2.78	0.00
0.05	3.6	3.4	0.32	9.1	101.11	0.36	0.20	53.04	3.64	0.04
0.05	3.6	3.2	0.33	9.1	103.06	0.38	0.17	54.88	3.90	0.04
0.06	2.9	2.2	0.03	9.1	63.17	0.25	0.13	34.10	1.85	0.02
0.06	3.3	2.9	0.11	9.1	61.78	0.24	0.14	34.10	1.57	0.02
0.06	3.4	3	0.14	9.1	60.23	0.23	0.14	32.40	1.63	0.02
0.06	3.7	3.5	0.32	9.1	57.85	0.24	0.12	31.54	1.42	0.02
0.06	3.4	3.1	0.18	9.1	62.24	0.23	0.12	32.84	1.53	0.03
0.08	3.3	3.3	0.34	9.2	64.70	0.24	0.09	33.96	2.34	0.02
0.07	3.1	2.9	0.27	9.2	65.23	0.22	0.11	34.04	2.09	0.02
0.07	2.8	2.6	0.06	9.1	59.16	0.21	0.12	31.20	1.58	0.02
0.08	3	3	0.09	9.2	65.19	0.23	0.11	33.81	1.80	0.03
0.07	3.5	3.3	0.4	9.2	65.30	0.23	0.10	34.20	2.08	0.02
0.07	3.6	3.4	0.16	9.2	64.60	0.23	0.09	34.05	1.97	0.02
0.06	3.5	3.5	0.24	9.3	63.75	0.21	0.09	33.11	2.13	0.02
0.08	3.5	3.5	0.29	9.3	63.56	0.21	0.06	32.94	2.39	0.02
0.07	3.6	3.2	0.39	9.2	56.96	0.20	0.04	30.83	1.78	0.02
0.08	3.4	3.3	0.37	9.2	60.24	0.21	0.04	32.85	1.93	0.02
0.09	3.2	3	0.35	9.1	73.65	0.21	0.07	33.17	1.62	0.02
0.09	2.9	2.9	0.37	9.1	59.95	0.21	0.05	33.17	1.53	0.02
0.08	3.9	3.2	0.41	9.1	57.88	0.19	0.05	32.62	1.61	0.02
0.06	3.6	3.5	0.34	9.1	55.53	0.18	0.05	30.85	1.67	0.02
0.06	3.3	3.1	0.33	9.2	58.88	0.18	0.06	32.54	2.10	0.02
0.06	3.3	3.2	0.33	9.2	61.38	0.19	0.06	32.12	2.68	0.02
0.06	3.3	3	0.27	9.1	56.23	0.16	0.06	29.36	2.28	0.02
0.06	3.3	3	0.25	9.1	53.56	0.16	0.06	28.41	2.05	0.02
0.07	3.5	3.1	0.31	9.1	59.65	0.17	0.06	31.64	2.43	0.03
0.08	3.8	3.3	0.33	9.1	60.94	0.19	0.06	31.84	2.64	0.03
0.08	3.7	3.4	0.32	9.1	59.66	0.19	0.06	31.90	2.46	0.02
0.09	3.8	3.4	0.34	9.1	60.08	0.19	0.06	31.54	2.99	0.02
0.09	3.7	3.3	0.37	9	55.79	0.17	0.06	30.73	2.70	0.02
0.09	3.7	3.4	0.35	9.1	52.49	0.16	0.06	29.09	2.35	0.02
0.09	3.8	3.5	0.19	9	57.74	0.20	0.07	32.74	2.60	0.02
0.09	3.8	3.6	0.17	9	55.82	0.22	0.10	32.13	2.62	0.02
0.1	3.9	3.5	0.19	9	55.43	0.21	0.09	31.65	2.75	0.03
0.08	3.9	3.6	0.17	8.9	56.89	0.22	0.09	31.64	3.22	0.03
0.08	3.6	3.5	0.23	9	55.80	0.21	0.09	30.91	3.26	0.02
0.08	3.8	3.3	0.25	9	57.72	0.21	0.12	32.23	3.77	0.02
0.07	3.7	3.4	0.28	9	58.40	0.19	0.10	32.65	3.53	0.02
0.1	3.3	3.1	0.28	9	56.34	0.20	0.11	32.63	2.57	0.02
0.08	3.8	3.6	0.39	9	54.08	0.19	0.08	30.89	2.31	0.02

0.1	4.1	3.9	0.37	9	55.78	0.20	0.07	31.15	2.64	0.02
0.09	3.9	3.8	0.35	8.9	52.07	0.20	0.08	30.31	2.26	0.02
0.1	3.6	3.3	0.16	8.9	48.62	0.18	0.07	27.79	2.18	0.02
0.11	3.6	3.4	0.08	8.9	52.10	0.19	0.07	29.51	2.74	0.02
0.14	3.8	3.7	0.15	9	56.89	0.22	0.09	31.64	3.22	0.03
0.1	4.2	3.9	0.13	8.9	55.97	0.23	0.08	29.65	2.56	0.02
0.11	4.2	3.8	0.12	8.6	55.13	0.23	0.09	28.48	2.67	0.02
0.14	3.7	1.4	0.11	8.8	56.82	0.24	0.09	30.00	2.60	0.02
0.11	3.6	3.3	0.2	8.9	55.46	0.24	0.10	30.03	1.98	0.02
0.09	3.2	2.9	0.3	8.9	52.61	0.22	0.10	28.06	1.97	0.02
0.1	3.5	3.3	0.31	9.1	57.17	0.24	0.10	29.88	2.71	0.02
0.09	3.9	3.5	0.32	9.1	57.72	0.21	0.07	27.70	2.96	0.02
0.08	3.9	3.7	0.32	9.1	57.40	0.20	0.08	26.49	2.65	0.02
0.08	3.9	3.7	0.37	9.1	62.03	0.21	0.10	30.17	2.40	0.02
0.07	3.1	2.8	0.26	9	62.66	0.20	0.20	30.07	2.31	0.02
0.07	3.2	3.1	0.29	9.1	66.48	0.20	0.20	30.79	2.53	0.02
0.08	2.5	2.4	0.24	9.1	63.72	0.19	0.17	30.37	2.34	0.02
0.06	3.6	3.2	0.25	9.1	59.75	0.17	0.10	27.59	2.21	0.02
0.06	3.5	2.6	0.14	9.1	66.74	0.20	0.11	30.43	2.75	0.02
0.06	3.6	3.4	0.28	9.2	66.13	0.20	0.11	30.36	2.74	0.02
0.08	3.9	3.7	0.44	9.1	70.27	0.22	0.11	31.83	2.82	0.02
0.07	4	3.5	0.31	9	73.03	0.21	0.11	32.16	3.11	0.02
0.06	3.6	3.4	0.39	9	69.86	0.22	0.12	31.35	2.60	0.02
0.07	3.5	3.3	0.31	9	66.32	0.20	0.10	28.90	3.12	0.02
0.09	3.2	3	0.33	9.1	69.97	0.22	0.12	31.72	2.92	0.02
0.08	3.8	3.5	0.35	9.1	68.69	0.24	0.00	30.88	3.02	0.03
0.07	3.3	3.2	0.16	9.2	67.96	0.25	0.17	30.80	2.60	0.03
0.09	3.4	3.1	0.07	9.2	63.62	0.21	0.12	29.58	1.81	0.02
0.08	3.6	3.3	0.08	9	63.77	0.20	0.16	30.48	1.57	0.71
0.13	3.8	3.6	0.12	9	64.95	0.24	0.13	30.80	1.93	0.02
0.09	3.7	3.5	0.2	9	66.33	0.24	0.09	31.51	1.92	0.03
0.08	3.6	3.4	0.28	9	63..7	0.23	0.12	23.87	1.44	0.02
0.09	3.5	3.3	0.3	9	60.06	0.23	0.11	30.07	1.17	0.02
0.09	3.3	3.2	0.3	9	59.61	0.22	0.12	30.81	0.80	0.02
0.08	3.8	3.5	0.3	9.1	64.00	0.22	0.11	31.71	1.75	0.27
0.08	4	3.8	0.2	8.9	58.32	0.21	0.11	30.15	0.99	0.02
0.09	3.9	3.7	0.16	8.9	59.41	0.23	0.12	31.58	0.64	0.02
0.08	3.9	3.6	0.14	8.8	58.78	0.24	0.12	31.47	0.54	0.02
0.07	3.7	3.5	0.15	8.8	60.09	0.24	0.13	32.30	0.39	0.02
0.07	3.6	3.3	0.22	8.7	62.51	0.23	0.14	33.77	0.26	0.02
0.08	3.5	3.2	0.24	8.8	59.30	0.22	0.11	31.86	0.28	0.02
0.09	3.3	3.1	0.31	8.8	59.95	0.21	0.10	31.47	0.25	0.02
0.08	3.5	3.4	0.26	8.8	59.29	0.21	0.10	31.51	0.27	0.02
0.08	3.5	3.4	0.27	8.8	59.58	0.21	0.10	31.57	0.26	0.02
0.08	3.5	3.2	0.19	8.9	60.72	0.20	0.10	32.01	0.24	0.02
0.09	3.6	3.3	0.12	8.9	62.18	0.22	0.15	32.40	0.28	0.02
0.07	3.9	3.3	0.13	8.9	51.51	0.22	0.11	32.10	0.25	0.02
0.06	3.5	3.3	0.08	9	62.50	0.20	0.11	32.23	0.23	0.02
0.08	3.3	3.2	0.17	9	63.49	0.22	0.11	33.26	0.26	0.02
0.08	3.2	3.1	0.19	9	68.40	0.23	0.12	35.98	0.29	0.02
0.08	3.3	3.3	0.18	9.1	69.28	0.25	0.13	36.40	0.27	0.02
0.07	3.4	3.2	0.18	9.1	69.20	0.25	0.13	36.28	0.27	0.02
0.08	3.3	3.2	0.2	9	75.47	0.28	0.13	39.38	0.27	0.02
0.09	3.3	3.2	0.07	8.9	70.87	0.25	0.12	36.76	0.24	0.02
0.09	3.3	3.1	0.07	8.9	66.10	0.23	0.10	32.97	0.24	0.02

0.09	3.5	3.3	0.07	8.8	67.11	0.20	0.10	33.85	0.24	0.02
0.09	3.6	3.4	0.07	8.8	68.90	0.20	0.09	33.70	0.22	0.01
0.1	3.7	3.6	0.08	8.7	67.49	0.21	0.10	33.14	0.21	0.02
0.09	3.6	3.5	0.13	8.8	65.42	0.20	0.10	32.34	0.23	0.01
0.08	3.6	3.4	0.14	8.8	66.37	0.21	0.11	32.22	0.23	0.01
0.08	3.5	3.5	0.16	8.8	61.18	0.20	0.31	30.76	0.20	0.01
0.09	4.1	3.7	0.21	8.8	62.41	0.04	0.30	32.10	0.19	0.01
0.09	4.1	4.1	0.22	8.8	62.17	0.21	0.30	32.64	0.20	0.02
0.09	3.8	3.9	0.22	8.9	60.55	0.22	0.19	31.83	0.19	0.02
0.1	3.5	3.8	0.22	8.8	61.13	0.24	0.31	32.24	0.19	0.01
0.11	3.8	3.7	0.19	8.8	61.23	0.25	0.28	33.10	0.22	0.01
0.11	3.7	3.6	0.02	8.8	57.48	0.20	0.28	31.43	0.21	0.01
0.1	3.7	3.6	0.01	8.7	57.78	0.20	0.28	31.36	0.19	0.01
0.09	3.4	3.5	0.02	8.9	57.17	0.19	0.29	31.68	0.19	0.01
0.08	3.6	3.5	0.03	9	55.05	0.19	0.29	30.89	0.13	0.01
0.1	3.5	3.5	0.03	9.2	54.21	0.19	0.30	30.57	0.19	0.01
0.08	3.9	3.9	0.01	9.2	53.82	0.21	0.27	30.83	0.21	0.01
0.08	3.9	3.8	0.02	9.1	53.67	0.25	0.28	30.39	0.20	0.01
0.08	3.7	3.8	0.02	9.1	53.37	0.20	0.20	29.36	0.31	0.01
0.09	3.8	3.8	0.04	9	60.07	0.18	0.19	29.00	0.19	0.01
0.1	3.7	3.7	0.04	8.9	82.56	0.23	0.11	34.68	0.26	0.02
0.11	3.7	3.8	0.24	8.9	89.79	0.23	0.14	34.66	0.24	0.02
0.07	3.8	3.7	0.02	8.9	94.83	0.19	0.12	34.37	0.26	0.02
0.1	4	3.8	0.03	9	101.29	0.12	0.08	34.63	0.23	0.02
0.1	3.8	3.7	0.08	8.9	98.18	0.19	0.09	32.03	0.18	0.01
0.09	3.6	3.7	0.06	8.9	112.46	0.26	0.11	34.82	0.19	0.01
0.09	3.6	3.6	0.14	9	106.84	0.19	0.11	32.93	0.19	0.02
0.09	3.6	3.5	0.08	8.9	104.61	0.17	0.10	31.74	0.18	0.01
0.09	3.7	3.6	0.05	9	111.30	0.23	0.12	32.80	0.21	0.02
0.09	3.7	3.7	0.06	9	104.37	0.22	0.11	29.97	0.19	0.01
0.1	3.6	3.5	0.09	9	116.03	0.22	0.11	32.84	0.23	0.02
0.11	3.7	3.7	0.04	8.9	120.07	0.22	0.11	32.90	0.24	0.02
0.1	3.7	3.6	0.08	9	121.80	0.23	0.10	32.53	0.24	0.01
0.09	3.7	3.6	0.08	9.2	124.40	0.23	0.11	33.00	0.22	0.01
0.11	3.7	3.6	0.06	9.1	131.74	0.23	0.24	34.17	0.22	0.00
0.11	3.8	3.7	0.06	9	137.20	0.22	0.29	35.61	0.22	0.00
0.13	4	3.7	0.11	8.9	138.33	0.25	0.28	35.94	0.24	0.00
0.12	4	3.9	0.11	8.9	140.97	0.27	0.29	33.29	0.24	0.00
0.1	3.7	3.8	0.05	8.9	145.17	0.28	0.28	36.05	0.20	0.00
0.09	3.5	3.5	0.04	8.8	142.08	0.26	0.27	37.52	0.24	0.00
0.1	3.6	3.5	0.09	9	133.36	0.24	0.23	35.78	0.20	0.00
0.09	3.3	3.4	0.05	9	139.20	0.29	0.31	37.65	0.23	0.00
0.08	3.6	3.5	0.05	9.1	138.60	0.26	0.30	38.03	0.22	0.00
0.09	3.4	3.5	0.08	9	139.11	0.28	0.32	38.26	0.24	0.00
0.1	3.5	3.5	0.06	9	140.60	0.29	0.30	38.23	0.22	0.00
0.09	3.5	3.4	0.07	8.9	138.51	0.23	0.12	35.46	0.00	0.34
0.07	3.6	3.6	0.09	8.8	148.17	0.29	0.26	40.47	0.25	0.02
0.08	3.3	3.6	0.07	8.7	148.90	0.29	0.31	44.99	0.27	0.02
0.08	3.7	3.7	0.05	8.8	148.62	0.29	0.30	47.83	0.33	0.02
0.06	3.7	3.6	0.05	9	143.24	0.31	0.30	45.63	0.26	0.02
0.06	3.7	3.7	0.05	9	140.96	0.29	0.30	46.82	0.27	0.02
0.07	3.9	3.9	0.05	9	140.82	0.29	0.29	47.49	0.26	0.02
0.07	4	3.8	0.07	9	150.59	0.34	0.30	49.41	0.25	0.02
0.06	3.7	3.7	0.06	9	125.37	0.26	0.21	41.32	0.22	0.01
0.07	3.3	3.8	0.07	9	128.78	0.27	0.24	42.76	0.23	0.01

0.06	3.8	3.7	0.05	9	128.75	0.27	0.23	42.75	0.21	0.02
0.07	3.9	3.7	0.08	9	127.33	0.35	0.23	43.19	0.24	0.02
0.06	3.4	3.5	0.06	9	127.36	0.27	0.25	43.31	0.22	0.02
0.06	3.2	3.3	0.03	9	128.09	0.27	0.27	43.68	0.22	0.01
0.07	3.7	3.6	0.04	9.1	125.88	0.26	0.26	44.86	0.21	0.02
0.08	3.5	3.8	0.06	9.2	114.75	0.30	0.23	43.17	0.21	0.01
0.08	3.6	3.6	0.08	9.1	137.87	0.41	0.30	47.57	0.19	0.02
0.09	3.9	3.9	0.05	9.1	143.64	0.45	0.35	48.83	0.19	0.01
0.1	4.1	4	0.04	9	132.88	0.45	0.33	49.86	0.26	0.01
0.09	3.9	3.7	0.03	9	123.83	0.46	0.32	49.03	0.26	0.01
0.08	3.9	4.1	0.01	9.1	121.11	0.48	0.33	48.83	0.25	0.01
0.08	4.1	3.9	0.02	8.8	117.36	0.51	0.31	47.06	0.24	0.01
0.11	3.5	3.8	0.05	8.9	108.11	0.48	0.35	49.14	0.39	0.02
0.1	3.6	3.7	0.04	9.1	95.93	0.43	0.33	42.99	0.24	0.01
0.08	3.9	4.1	0.06	9.2	95.64	0.45	0.29	44.53	0.26	0.01
0.09	4	4.1	0.06	9.2	96.68	0.46	0.30	46.35	0.27	0.01
0.09	3.7	3.6	0.11	9.2	91.92	0.48	0.31	45.92	0.24	0.01
0.06	4.2	4	0.07	9.2	84.20	0.44	0.28	45.31	0.27	0.01
0.06	3.5	3.3	0.12	9.2	79.95	0.42	0.29	45.21	0.30	0.01
0.06	3.3	3.4	0.15	9.1	71.91	0.23	0.36	40.13	0.28	0.01
0.07	3.5	3.5	0.13	9.2	71.70	0.25	0.35	42.12	0.29	0.01
0.12	3.5	3.8	0.07	9.1	86.96	0.26	0.48	46.48	0.19	0.01
0.07	3.7	3.6	0.03	9	87.87	0.50	0.11	41.46	0.20	0.01
0.06	3.7	3.6	0.03	9.1	78.00	0.39	0.12	38.42	0.24	0.01
0.06	3.7	3.5	0.03	9.1	78.87	0.35	0.13	37.90	0.27	0.01
0.07	3.5	3.6	0.03	9	84.22	0.33	0.10	37.99	0.26	0.01
0.07	3.3	3.4	0.07	9	87.69	0.30	0.11	36.18	0.24	0.01
0.07	3.5	3.6	0.05	9	98.65	0.31	0.11	37.92	0.25	0.01
0.06	3.7	3.9	0.06	9	99.78	0.27	0.33	36.44	0.26	0.01
0.07	3.9	4	0.06	9	99.78	0.25	0.28	35.57	0.24	0.01
0.08	4	3.9	0.08	9	107.24	0.25	0.10	36.40	0.28	0.01
0.07	3.8	3.6	0.1	9	113.89	0.27	0.35	37.28	0.33	0.02
0.08	3.8	3.5	0.1	9.1	118.03	0.28	0.27	37.09	0.25	0.02
0.08	3.6	3.5	0.11	9.1	116.39	0.26	0.30	36.73	0.31	0.02
0.08	3.6	3.5	0.1	9.1	117.21	0.26	0.09	37.81	0.32	0.02
0.07	3.8	3.6	0.06	9.1	118.56	0.25	0.25	38.68	0.38	0.02
0.07	3.8	3.7	0.04	9.1	123.09	0.26	0.07	39.57	0.33	0.02
0.08	3.5	3.6	0.02	9	122.72	0.26	0.26	39.80	0.35	0.02
0.07	3.6	3.4	0.06	9	120.14	0.27	0.26	40.23	0.34	0.02
0.07	3.5	3.4	0.08	9	115.90	0.27	0.28	39.97	0.31	0.02
0.07	3.7	3.6	0.08	9.1	111.84	0.27	0.26	39.72	0.28	0.02
0.06	3.4	3.3	0.05	9.1	104.57	0.26	0.06	37.36	0.31	0.02
0.07	3.4	3.3	0.16	9.2	98.06	0.25	0.15	37.17	0.33	0.02
0.07	3.4	3.4	0.12	9.2	93.50	0.21	0.19	36.49	0.29	0.02
0.07	3.6	3.5	0.11	9.1	93.07	0.23	0.20	36.71	0.35	0.02
0.07	3.4	3.5	0.08	9.1	93.67	0.24	0.31	37.06	0.34	0.02
0.07	3.6	3.6	0.07	9.1	87.29	0.24	0.25	34.57	0.39	0.02
0.07	3.4	3.4	0.12	9.1	119.85	0.20	0.37	50.19	0.35	0.02
0.05	3.6	3.4	0.08	9.3	94.35	0.23	0.27	37.01	0.36	0.02
0.06	3.4	3.4	0.02	9.2	98.12	0.23	0.26	36.75	0.36	0.02
0.08	2.9	2.8	0.04	9	103.34	0.21	0.34	37.87	0.33	0.01
0.07	3.7	3.4	0.04	9	106.49	0.25	0.49	37.68	0.35	0.02
0.07	3.1	3	0.03	9	110.68	0.22	0.42	38.63	0.33	0.02
0.08	3.1	3	0.03	8.9	112.28	0.19	0.37	38.29	0.33	0.01
0.07	3.6	3.1	0.04	8.8	114.84	0.22	0.28	38.57	0.29	0.01

0.07	4.1	4	0.04	9	117.53	0.23	0.25	38.75	0.31	0.02
0.07	4.2	4.1	0.04	9.2	118.24	0.23	0.17	38.94	0.28	0.02
0.07	4	3.8	0.04	9.3	107.75	0.23	0.22	36.45	0.30	0.02
0.07	3.9	3.6	0.03	9.2	111.24	0.24	0.20	37.12	0.30	0.02
0.08	3.9	3.8	0.06	9	114.84	0.23	0.23	37.33	0.31	0.02
0.08	3.9	3.8	0.04	9.1	117.34	0.25	0.18	37.65	0.27	0.02
0.09	4.1	3.7	0.04	8.9	121.05	0.23	0.21	38.04	0.28	0.02
0.08	4	3.8	0.05	9.1	123.25	0.24	0.19	37.43	0.24	0.02
0.09	3.8	3.7	0.05	9	126.04	0.27	0.10	38.21	0.28	0.02
0.08	4	3.6	0.05	9	121.05	0.23	0.17	38.57	0.27	0.03
0.08	3.7	3.7	0.06	9	121.50	0.21	0.23	36.20	0.23	0.02
0.09	3.5	3.4	0.04	8.9	120.92	0.27	0.16	35.39	0.24	0.01
10	4	3.9	0.05	9	130.37	0.28	0.13	35.12	0.02	0.02
0.08	3.4	3.6	0.05	8.9	129.93	0.27	0.11	34.61	0.21	0.02
0.08	3.1	3.5	0.03	9	122.66	0.27	0.17	33.83	0.27	0.02
0.09	3.6	3.6	0.02	9	121.03	0.24	0.12	33.70	0.23	0.02
0.105	3.4	3.6	0.03	9.2	118.85	0.27	0.27	34.22	0.24	0.02
0.09	3.9	3.5	0.03	9.2	112.78	0.27	0.16	33.23	0.24	0.02
0.08	3.6	3.6	0.03	9.2	112.45	0.28	0.20	33.87	0.28	0.02
0.08	3.4	3.4	0.02	9.4	106.61	0.30	0.17	31.36	0.26	0.02
0.12	3.7	3.8	0.07	9.1	103.60	0.25	0.15	30.48	0.29	0.01
0.12	3.6	3.7	0.04	8.9	113.78	0.31	0.27	32.02	0.26	0.02
0.11	3.6	3.6	0.02	8.9	107.80	0.29	0.30	32.84	0.31	0.02
0.11	3.8	3.6	0.03	9	99.18	0.25	0.24	32.04	0.29	0.02
0.12	4	3.7	0.02	8.9	93.76	0.26	0.21	31.97	0.38	0.02
0.13	4.3	4.2	0.04	8.9	91.73	0.25	0.21	31.75	0.31	0.02
0.14	4.3	4.1	0.03	9	87.47	0.25	0.25	31.50	0.39	0.02
13	4.3	4	0.03	9	87.60	0.26	0.50	32.23	0.35	0.02
0.11	3.9	4.2	0.04	9	88.39	0.25	0.22	32.19	0.31	0.02
					0.27	82.19	0.27	31.56	0.34	0.02
0.12	4.9	4.1	0.05	9.1	0.38	72.18	0.21	28.66	0.31	0.02
0.11	4	3.9	0.05	9	71.84	0.20	0.19	29.58	0.34	0.02
0.11	3.9	3.7	0.04	9.1	70.98	0.25	0.16	28.70	0.28	0.02
0.15	3.6	3.4	0.06	9.2	66.76	0.24	0.19	27.47	0.31	0.02
0.14	3.1	3.2	0.07	9.2	72.88	0.28	0.23	27.73	0.32	0.02
0.18	3	3	0.07	9.1	75.61	0.30	0.16	29.04	0.36	0.02
0.2	3.3	3.1	0.07	9.1	69.31	0.28	0.20	26.31	0.36	0.02
0.13	3.2	3.1	0.06	9.1	69.12	0.26	0.21	29.11	0.34	0.02
0.15	3.1	3.2	0.07	9	67.27	0.24	0.23	29.15	0.39	0.02
0.13	3.1	3.1	0.06	9.2	69.79	0.28	0.26	31.11	0.37	0.02
0.11	3.4	3.3	0.06	9.2	68.68	0.27	0.23	29.88	0.40	0.02
0.12	3.2	3.2	0.06	9.2	67.62	0.27	0.23	28.90	0.39	0.02
0.14	2.9	3	0.06	9.1	64.73	0.27	0.24	28.40	0.37	0.02
0.15	3.1	2.9	0.07	9.1	64.89	0.27	0.20	29.01	0.38	0.02
0.13	3.5	3.4	0.07	9.1	65.31	0.27	0.25	29.32	0.42	0.02
0.12	3.8	3.8	0.07	9	63.00	0.27	0.18	28.61	0.43	0.02
0.12	3.8	3.6	0.06	8.9	54.69	0.24	0.18	25.04	0.36	0.02
0.14	3.7	3.6	0.08	9	62.14	0.27	0.19	29.22	0.48	0.02
0.11	3.4	3.4	0.08	9.2	59.83	0.26	0.18	28.42	0.43	0.02
0.09	3.1	3.2	0.18	9.2	61.53	0.25	0.25	29.08	0.54	0.03
0.09	3.4	3.4	0.2	9.2	59.68	0.25	0.30	29.36	0.44	0.03
0.09	3.7	3.5	0.2	9	48.73	0.20	0.21	23.39	0.39	0.02
0.09	3.4	3.2	0.19	9	61.02	0.26	0.25	30.00	0.46	0.02
0.1	3.1	3.2	0.42	9.1	59.45	0.26	0.28	29.35	0.46	0.02
0.1	3.8	3.4	0.03	9	61.27	0.27	0.06	30.33	0.54	0.03

0.1	3.5	3.3	0.05	9	65.33	0.30	0.08	31.56	0.57	0.02
0.1	3.2	3.2	0.06	9.1	67.85	0.27	0.07	32.67	0.49	0.02
0.09	3.3	3.1	0.07	9.2	70.69	0.28	0.08	33.76	0.47	0.03
0.07	3.3	3.3	0.05	9.3	66.30	0.28	0.07	30.99	0.48	0.03
0.06	3.4	3.4	0.05	9.3	62.54	0.25	0.25	29.62	0.51	0.03
0.08	3.3	3.1	0.04	9.3	60.08	0.26	0.15	29.05	0.44	0.02
0.09	3.5	3.4	0.04	9.1	61.67	0.24	0.25	29.27	0.42	0.02
0.09	3.2	3.3	0.06	9.2	60.03	0.24	0.21	28.34	0.42	0.03
0.1	3.5	3.2	0.06	9.2	62.70	0.26	0.23	29.79	0.38	0.03
0.07	3.3	3.2	0.05	9.2	61.00	0.26	0.29	29.27	0.42	0.03
0.07	3.3	3.3	0.04	9.1	59.03	0.24	0.11	29.01	0.36	0.03
0.08	3.5	3.3	0.03	9.1	60.13	0.24	0.17	28.73	0.39	0.03
0.1	3.4	3.3	0.05	9.2	60.33	0.25	0.17	29.25	0.38	0.03
0.08	3.7	3.7	0.06	9.1	58.46	0.24	0.14	28.71	0.47	0.02
0.07	3.5	3.6	0.07	8.9	59.33	0.23	0.28	29.64	0.43	0.02
0.11	3.1	3.3	0.06	8.9	62.03	0.26	0.31	30.83	0.40	0.02
0.08	3.2	3.3	0.08	9	60.14	0.25	0.25	30.03	0.41	0.02
0.11	4	3.9	0.07	9.2	58.78	0.25	0.24	28.78	0.41	0.02
0.09	3.8	4	0.08	9.2	64.01	0.27	0.19	31.47	0.47	0.03
0.09	3.9	3.7	0.1	9.3	63.13	0.28	0.22	31.41	0.59	0.03
0.1	3.5	3.6	0.05	9.3	59.45	0.26	0.17	29.95	0.53	0.03
0.18	4.3	4.3	0.03	9.2	58.28	0.26	0.14	29.30	0.71	0.03
0.08	4.4	4.1	0.02	9.3	59.81	0.25	0.23	29.78	0.60	0.03
0.1	4.3	4	0.04	9.2	60.55	0.26	0.21	30.51	0.66	0.03
0.08	4	3.8	0.03	9.1	61.75	0.25	0.17	31.13	0.70	0.04
0.1	3.5	3.4	0.28	9.2	61.28	0.24	0.21	30.50	0.65	0.04
0.1	3.2	3.2	0.17	9.2	59.15	0.23	0.20	29.48	0.62	0.03
0.09	3.6	3.6	0.14	9.2	61.85	0.31	0.18	31.42	0.41	0.03
0.07	4	3.6	0.06	9.1	62.40	0.30	0.19	31.09	0.49	0.03
0.08	3.6	3.6	0.09	9.1	57.16	0.28	0.22	28.50	0.55	0.03
0.08	3.5	3.4	0.13	9.1	57.11	0.29	0.24	28.70	0.57	0.03
0.08	3.4	3.3	0.02	9	61.70	0.30	0.24	30.81	0.68	0.04
0.07	3.4	3.3	0.03	9.1	59.66	0.30	0.23	30.24	0.62	0.04
0.07	3.3	3.2	0.03	9.1	56.97	0.29	0.24	29.64	0.66	0.04
0.07	3.4	3.2	0.04	9.1	52.96	0.22	0.21	26.82	0.56	0.03
0.08	3.4	3.3	0.04	9.1	53.32	0.25	0.20	27.08	0.69	0.04
0.07	3.6	3.6	0.05	8.9	50.82	0.23	0.17	26.11	0.49	0.04
0.08	3.7	3.4	0.04	8.8	54.14	0.24	0.17	27.07	0.50	0.03
0.08	3.5	3.4	0.03	8.8	50.25	0.23	0.19	26.28	0.39	0.02
0.07	3.4	3.3	0.04	8.9	50.23	0.24	0.20	26.50	0.36	0.02
0.17	3.3	3.5	0.05	9	64.19	0.37	0.20	31.44	0.25	0.02
0.17	3.7	3.6	0.1	9	75.46	0.48	0.27	37.32	0.22	0.03
0.14	3.6	3.5	0.07	9	75.85	0.14	0.30	40.00	0.33	0.35
0.11	3.5	3.4	0.08	8.9	75.27	0.65	0.28	40.25	0.33	0.05
0.11	3.5	3.5	0.09	9.1	72.44	0.68	0.24	39.64	0.34	0.05
0.14	3.4	3.4	0.11	9.2	65.71	0.63	0.31	38.17	0.35	0.04
0.12	3.4	3.4	0.1	9.2	63.18	0.64	0.26	37.24	0.32	0.05
0.12	3.5	3.4	0.07	9.1	59.35	0.66	0.26	37.19	0.36	0.05
0.07	4.1	3.6	0.07	9	43.10	0.37	0.22	32.26	0.34	0.05
0.06	3.7	3.6	0.08	9.1	34.47	0.28	0.28	30.39	0.52	0.06
0.07	3.3.	3.3	0.08	9	36.11	0.23	0.15	29.97	0.60	0.06
0.06	3.5	3.3	0.07	9.1	34.38	0.23	0.27	30.08	0.82	0.05
0.06	3.5	3.2	0.06	9.3	32.90	0.23	0.16	29.77	0.77	0.07
0.06	3.5	3.2	0.06	9.3	32.90	0.23	0.21	29.64	0.95	0.05
0.07	3.5	3.2	0.07	9.3	32.45	0.27	0.15	29.41	0.93	0.06

0.07	3.3	3.3	0.08	9	31.41	0.27	0.18	29.91	0.94	0.05
0.07	3.3	3	0.09	9	30.84	0.25	0.22	30.57	0.92	0.05
0.07	3.2	3.1	0.09	9.3	60.64	0.23	0.23	29.97	0.97	0.06
0.07	3.5	3.4	0.15	8.9	27.73	0.25	0.15	29.91	0.82	0.06
0.08	3.6	3.4	0.09	8.9	28.64	0.24	0.20	30.34	1.06	0.05
0.08	3.8	3.7	0.1	8.9	26.98	0.25	0.25	29.88	0.96	0.05
0.09	3.8	3.6	0.08	8.8	26.37	0.24	0.24	29.76	0.80	0.05
0.08	3.8	3.8	0.07	8.9	25.56	0.21	0.23	29.48	0.68	0.05
0.08	3.6	3.3	0.19	8.7	24.93	0.22	0.22	29.45	0.57	0.05
0.07	3.9	3.7	0.17	8.9	25.01	0.22	0.22	29.10	0.62	0.05
0.08	3.7	3.6	0.09	9	24.90	0.24	0.20	28.96	0.59	0.05
0.08	3.5	3.3	0.07	9	25.01	0.23	0.21	28.50	0.57	0.05
0.08	3.7	3.6	0.06	9.4	26.73	0.25	0.21	29.13	0.71	0.05
0.08	3.9	3.6	0.07	9.3	25.23	0.22	0.20	28.12	0.64	0.05
0.08	3.7	3.5	0.09	9.3	27.78	0.27	0.29	30.18	0.97	0.05
0.1	3.7	3.4	0.09	8.9	26.29	0.34	0.30	30.47	0.91	0.06
0.09	3.6	3.3	0.09	9.2	27.37	0.31	0.30	30.48	1.05	0.06
0.09	3.7	3.3	0.09	9.3	26.87	0.29	0.31	31.16	0.95	0.06
0.09	3.7	3.5	0.13	9.1	27.13	0.31	0.31	31.40	0.98	0.06
0.08	3.7	3.6	0.12	9.4	27.17	0.35	0.35	31.60	0.91	0.06
0.09	3.8	3.7	0.12	9.2	28.18	0.34	0.39	31.98	0.95	0.07
0.09	4	3.8	0.14	9.1	27.25	0.31	0.39	31.44	0.96	0.07
0.11	3.4	3.2	0.12	8.7	28.46	0.31	0.24	30.25	0.80	0.06
0.09	3.6	3.3	0.13	9.1	28.07	0.37	0.28	31.00	0.66	0.06
0.09	4	3.7	0.13	9.1	27.53	0.37	0.26	30.92	0.65	0.06
0.09	3.8	3.8	0.12	9	26.25	0.35	0.24	30.89	0.64	0.06
0.09	3.9	3.7	0.13	9.1	25.63	0.36	0.31	30.73	0.70	0.05
0.08	3.8	3.6	0.14	9.2	25.40	0.32	0.25	30.51	0.70	0.06
0.07	3.9	3.8	0.1	9.4	25.24	0.36	0.31	30.24	0.70	0.06
0.1	3.9	3.7	0.12	8.8	24.71	0.34	0.26	30.01	0.73	0.05
0.09	3.9	3.6	0.12	8.5	24.95	0.32	0.26	30.31	0.67	0.05
0.1	3.6	3.7	0.13	9						
0.09	3.7	3.4	0.11	9.1						
0.09	9.8	3.5	0.09	9.1						
0.09	3.7	3.4	0.09	9.2						
0.08	3.9	3.4	0.11	9.3						
0.1	3.6	3.3	0.17	9.1						
0.1	3.7	3.2	0.14	9.3						
0.1	3.4	3.2	0.12	8.5						
0.1	3.4	3.2	0.08	9						
0.09	3.6	3.5	0.08	9.2						
0.1	3.5	3.4	0.09	9.3						
0.1	3.3	3.1	0.1	9.3						

1	**1**	**1**	**1**	**3**
TOC	*E. coli* (MPN)	Crypto oocysts/l	Giardia cysts/l	Temp

5.10	ND	25.1
4.18	ND	26.3
3.30	ND	27
2.90	ND	26.7
2.66	ND	27.9

2.72	ND			27.5
2.84	ND	<0.008	<0.008	26.3
2.83	ND			25.2
2.83	ND			25.4
2.83	ND			24.6
2.76	ND			24.5
2.60	ND			25.6
2.77	ND			26.4
2.75	ND			26.5
2.85	ND			26.9
2.77	ND			27.6
2.94	ND			28
2.71	ND			27.9
2.79	ND			29.2
2.71	ND			28.3
2.63	ND			26.4
2.65	ND			25.6
2.72	ND			26
2.66	ND			25.8
2.72	ND			25.9
2.86	ND			26.9
2.82	ND			26.4
2.93	ND	<0.002	<0.002	26.8
2.85	ND			30.4
2.81	ND			28
2.88	ND			27.4
2.78	ND			27.4
2.77	ND			28.3
2.90	ND			27.8
2.93	ND			27.8
2.89	ND			28.1
2.73	ND			27.1
2.99	ND			28.6
2.79	ND			27.3
2.60	ND			27.5
2.67	ND			27.7
2.78	ND	<0.006	<0.006	27.8
2.69	ND			27.4
2.68	ND			28.5
2.70	ND			27.6
2.72	ND			28.3
2.71	ND			28.5
2.78	ND			28.2
2.79	ND			28.4
2.74	ND			28.2
2.78	ND			27.6
2.78	ND			27.2
2.67	ND			26.9
2.63	ND			28.6
2.69	ND			29.1
2.68	ND			28.4
2.75	ND	<0.009	<0.009	27.6
2.97	ND			27.2
2.59	ND			27.1
2.76	ND			25.1

2.67	ND			25.9
2.50	ND			26.2
2.55	ND			28.1
2.49	ND			26.9
2.59	ND			25.6
2.69	ND			24.5
2.75	ND			22.3
2.72	ND			23.1
2.93	ND			24.1
2.80	ND	<0.010	<0.010	24.4
2.68	ND			24.4
3.11	ND			25.4
3.25	ND			25.5
2.96	ND			26.4
2.99	ND			26
3.14	ND			25.1
2.97	ND			24.3
3.46	ND			25.2
2.83	ND			24.1
3.00	ND			24.1
3.20	ND			24
3.09	ND			24.8
3.06	ND			24.8
3.43	ND			24.5
3.03	ND			25
3.06	ND			24.7
3.06	ND			23.2
3.12	ND			23.1
3.11	ND			23.3
3.08	ND			23.8
3.22	ND			24.2
3.51	ND			24.2
3.48	ND			24.2
3.40	ND			23.3
3.33	ND			21.9
3.07	ND			21.6
3.01	ND			21.5
3.12	ND			20.1
3.11	ND			21.2
3.11	ND			20.8
3.05	ND			21.2
3.01	ND			21.7
2.91	ND			21.3
2.81	ND			21.4
3.08	ND	<0.010	<0.010	22.1
3.20	ND			21.6
3.28	ND			22.3
3.05	ND			22.3
3.27	ND			22.7
3.27	ND			22.2
3.32	ND			23.3
3.17	ND			22.6
3.69	ND			20.9
2.51	ND			20.9
2.58	ND			20.3

2.61	ND			18.9
2.55	ND			19.4
2.54	ND			18.5
2.99	ND			17.9
3.61	ND	<0.008	<0.008	17.6
2.94	ND			17.8
2.92	ND			16.8
2.83	ND			18
2.80	ND			18.2
2.86	ND			18.8
2.96	ND			16.2
2.88	ND			12.2
2.83	ND			12.7
2.81	ND			11.9
2.77	ND			13.6
2.79	ND			12
2.69	ND			11.2
2.76	ND	<0.004	<0.004	11.9
2.85	ND			12.7
2.99	ND			13.5
3.29	ND			15.8
3.42	ND			16.2
3.68	ND			15.6
3.78	ND			14.5
3.95	ND			14.2
4.13	ND			14.2
4.12	ND			13.6
4.35	ND			14.5
4.47	ND			16.8
4.50	ND			16.4
4.37	ND			11.1
4.56	ND	<0.007	<0.007	12.5
4.65	ND			13.6
4.60	ND			14.1
4.65	ND			15.5
5.37	ND			15.4
5.31	ND			13.8
5.29	ND			15.7
5.40	ND			15.1
5.12	ND			15.4
4.77	ND			15.4
4.81	ND			15.8
4.79	ND			16.8
4.69	ND			16.7
5.00	ND			15.5
4.79	ND	<0.006	<0.006	14.6
4.83	ND			14
4.78	ND			14.1
4.72	ND			14.4
4.47	ND			14.3
4.54	ND			13.8
4.41	ND			14.3
5.09	ND			13.7
4.76	ND			12.7
4.89	ND			13.2

4.97	ND			13.1
4.80	ND			12.3
5.03	ND			11.6
5.19	ND			11.6
5.03	ND			11.6
5.01	ND			10.1
5.83	ND			9
5.48	ND			9.7
5.48	ND			10
5.07	ND			7.9
4.92	ND			10.4
4.84	ND	<0.007	<0.007	9.3
5.13	ND			7.9
4.85	ND			8.4
4.59	ND			8.4
4.66	ND			9.5
4.64	ND			8.4
4.28	ND			8.9
3.86	ND			8.1
3.65	ND			8.4
3.66	ND			9.3
4.55	ND			9.7
4.67	ND			8.1
4.02	ND			10.7
4.78	ND			10.7
4.43	ND	<0.006	<0.006	10.4
4.34	ND			11.4
4.75	ND			11.5
4.65	ND			12.2
4.66	ND			11.6
4.74	ND			11.4
4.86	ND			11.6
5.31	ND			13.3
5.00	ND			15.2
4.91	ND			14.1
4.62	ND			13.7
4.83	ND			12.7
4.77	ND			13.7
4.70	ND			11
4.63	ND	<0.008	<0.008	11.7
4.20	ND			11.9
4.24	ND			10.5
4.20	ND			11.6
4.25	ND			12.6
3.98	ND			14.2
4.04	ND			14.2
4.00	ND			15.7
4.71	ND			14.9
4.02	ND			14
4.19	ND			14.1
4.51	ND			15.7
4.45	ND			15.7
4.42	ND			12.1
4.43	ND	<0.007	<0.007	13.4
4.57	ND			11.9

4.54	ND			12.3
4.48	ND			13
4.52	ND			13.9
4.47	ND			13.1
4.56	ND			11.3
4.73	ND			11
4.91	ND			10.8
5.17	ND			10.5
4.98	ND			8.1
4.95	ND			10
4.85	ND			8.4
4.93	ND			9.4
5.26	ND	<0.006	<0.006	9.1
5.19	ND			9.8
5.01	ND			9.1
4.90	ND			10.3
4.83	ND			10.9
4.71	ND			12.3
4.57	ND			13.6
4.40	ND			13.4
4.53	ND			14.9
4.92	ND			13.7
4.59	ND			14.7
4.59	ND			15.5
4.73	ND			17.4
4.18	ND			17.2
4.10	ND	<0.008	<0.008	17.1
4.06	ND			16.3
4.14	ND			16.8
4.00	ND			
3.69	ND			16.6
3.61	ND			16.5
3.71	ND			17.3
3.61	ND			18
3.59	ND			.18.9
3.34	ND			17.4
3.36	ND			17.3
3.26	ND			17.8
3.35	ND			19.3
3.29	ND			20.6
3.28	ND			19.6
3.16	ND			19.6
3.03	ND			21.1
3.09	ND			20.6
3.01	ND			19
2.94	ND			19.1
3.27	ND			19.7
2.95	ND	<0.008	<0.008	20.5
2.89	ND			20.6
2.70	ND			21
2.57	ND			19.5
2.73	ND			21.3
2.65	ND			20.9
2.64	ND			20.5
2.64	ND			19.9

2.70	ND			19.3
2.82	ND			20
2.88	ND			20.1
2.90	ND			19.9
2.67	ND			19.9
2.59	ND			18.7
2.77	ND	<0.006	<0.006	19.7
2.66	ND			19.8
2.79	ND			20.4
2.69	ND			20.5
2.50	ND			21.6
2.67	ND			21.1
2.53	ND			19.8
2.65	ND			19
2.56	ND			20.1
2.69	ND			19.6
2.63	ND			20.3
2.76	ND			20.4
2.59	ND			21.2
2.69	ND			22.4
2.54	ND	<0.005	<0.005	21.4
2.58	ND			23.2
2.55	ND			21
2.53	ND			21.5
2.68	ND			21.9
2.68	ND			22.6
2.64	ND			21.1
2.74	ND			20.9
2.79	ND			20.9
2.65	ND			21.9
2.44	ND			22.1
2.66	ND			21.9
2.41	ND			23.2
2.35	ND			22.9
2.27	ND	<0.008	<0.008	23.2
2.18	ND			22.4
2.03	ND			21.2
2.40	ND			20.5
2.37	ND			21.3
2.31	ND			20.7
3.05	ND			21.4
3.50	ND			21.2
3.40	ND			22
3.23	ND			22.1
3.02	ND			22.1
3.00	ND			21.9
2.90	ND			22.8
2.96	ND			23
2.24	ND			23.4
1.81	ND			23.5
1.58	ND			22
1.73	ND			24
1.54	ND			25.3
1.48	ND			24.5
1.46	ND			26.1

1.74	ND	<0.006	<0.006	25.6
1.59	ND			26.2
1.49	ND			25.9
1.57	ND			25.8
1.75	ND			24.8
1.60	ND			24.8
1.54	ND			24.3
1.49	ND			25
1.49	ND			24.7
1.41	ND			24.6
1.43	ND			24.9
1.56	ND			26.4
1.42	ND			25.5
1.45	ND			25.7
1.51	ND	<0.006	<0.006	25.7
1.57	ND			26.8
1.58	ND			27.7
1.62	ND			27
1.67	ND			26.5
1.77	ND			26.5
1.79	ND			26.9
1.95	ND			27.1
2.09	ND			27.6
2.17	ND			27.3
2.09	ND			26.3
1.95	ND			26.9
1.98	ND			26.8
1.97	ND			27
1.97	ND	<0.010	<0.010	27
1.92	ND			27
1.96	ND			25.6
1.87	ND			26.9
1.87	ND			25.7
1.88	ND			27.7
1.74	ND			28.3
1.81	ND			28.3
1.94	ND			28.9
1.97	ND			28.7
1.89	ND			28.3
	ND			28.2
	ND			29.1
	ND			27.8
	ND			26