

# LAKE LIMERICK WATER COMMITTEE

May 11, 2013

## Minutes

**The Meeting was called to order @ 9:00 a.m.** by Chair Phyllis Antonsen

**Roll Call:** Chair Phyllis Antonsen, Treasurer Scott Carey, Secretary Don Bird, Ken Ayres, Steve Saylor, Brian Smith  
**Employees** Sheila Hedlund

**Guests** ~ None

### Election of Officers

**Nominations were open for the position of Chairperson.**

**A motion was made** by Steve Saylor and seconded by Ken Ayers to nominate Phyllis Antonsen for Chairperson:

Phyllis Antonsen was elected Chairperson by acclamation, it was passed with unanimously

**Nominations for the open position of Treasurer.**

**A motion was made** by Brian Smith and seconded by Steve Saylor to nominate Scott Carey for Treasurer:  
Scott Carey was elected Treasurer by acclamation, it was passed with unanimously

**Nominations were open for the position of Secretary.**

**A motion was made** by Scott Carey and seconded by Brian Smith to nominate Don Bird for Secretary:  
Don Bird was elected Secretary by acclamation, it was passed with unanimously

### Approval of Minutes

**A motion was made** by Brian Smith, seconded by Scott Carey and passed with no nays as follows:  
To approve the Minutes of April 13, 2013 as written

**Additions to Agenda** ~ Backflow Assembly History of original installations, Steve Saylor

**Comments from Guests** ~ None

### Financial Report

1) Review

Discussion regarding the continuation of the \$3.00 charge was had, resulting in referral to the last month's minutes which state that the charge will continue to be used for the installation of new units and the future maintenance and testing of the existing units.

Budget Items for Professional Services and Engineering Services are high, Sheila will review the original budget proposals and assure that the amounts are correct and were placed in the appropriate areas, ie.. Water System Plan, was this budget item placed under Professional Services or Engineering Services?

2) Service disconnect status, since last meeting 37 past due accounts paid in full and 15 past due accounts made partial payments

A motion was made by Steve Saylor, seconded by Scott Carey and passed with no nays as follows:  
To approve the Financials for April 2013 as presented

### Action Items

1) Roof leaks - See manager's report

The Committee is requesting bids be presented at the next meeting, they would like this project completed prior to end of summer

### Water Distribution Manager's Report ~ See attached

Questions regarding the electrical usage for Well#3, it is rather low considering it was the main supplier of water while Well#6 was down for repairs, perhaps an entry error on the graph? Will check with Bill @ NWS.

**A motion was made** by Scott Carey, seconded by Brian Smith and passed with no nays as follows:

To sell the Cross Connection Testing Device to BackFlo Pros for \$600.00 and to sell our old meters for \$10.00 each as is

**Action Item List** – Updated list attached.

- 1) Add Well #3 roof repair -pending/under warranty
- 2) Add secondary BFA testing - every three years pending approval by DOH of WSP

**Correspondence** – Letter received from John Bykonen regarding billing practices, Don Bird will reply to his letter.

**Old Business -**

- 1) Proposal from NWS

**A motion was made** by Scott Carey, seconded by Steve Saylor and passed with no nays (Brian Smith was unavailable for voting, he was with a member regarding Lake/Dam issues) as follows:

To accept the addendum as presented by NWS to cover Steve Wheaton's scheduled days off.

- 2) Sprinkler system capping - not needed non-existent

- 3) Steve Saylor presented a history of the original cross connection control devices, the need for them as well as the steps that were taken up to the point of installation.

**New Business -None**

**Announcements** Next meeting date - Saturday, June 8, 2013 @ 9:00 am

Steve Saylor is excused from the June, July and August meetings as he will be on a National Park Tour.

**Motion to adjourn.**

A motion was made by Don Bird, seconded by Brian Smith and passed with no nays as follows:

To adjourn the meeting @ 10:25 a.m.

These minutes have not been approved by the Water Committee

Respectfully Submitted by: Sheila Hedlund

**MOTIONS TO THE BOARD**

**Nominations were open for the position of Chairperson.**

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Phyllis Antonsen was elected Chairperson by acclamation, it was passed with unanimously

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**A motion was made** by Scott Carey and seconded by Brian Smith to nominate Don Bird for Secretary:

Don Bird was elected Secretary by acclamation, it was passed with unanimously

**A motion was made** by Brian Smith, seconded by Scott Carey and passed with no nays as follows:

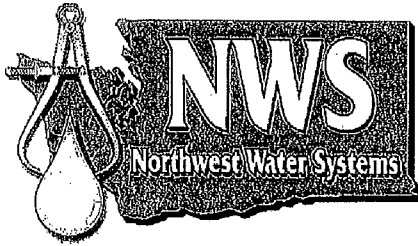
To approve the Minutes of April 13, 2013 as written

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May 8, 2013

#### Lake Limerick Water System May Meeting

The general condition of the water system is good with no concerns as to system pressures or water availability to the customers.

#### **Well Conditions:**

Well #1 booster pump is operating with the timer to prevent it from “competing” with the other booster pumps on the system with pressure settings. It is important to keep a turn-over of water in the reservoir and this will ensure proper consumption.

Well #2 is still in stand-by and its use will only be required in extreme cases.

Wells #3A and B is operating normally.

Well #4 is operating normally.

Well #5 is operating properly.

Well #6 is back in an operable condition. The submersible pump was pulled up and found to be broken nearly in half. I called the manufacturer representative and he agreed with Arcadia Drilling; that this was just a fluke incident. We had a new pump installed and we also added 4 torque arrestors and extra check valves on the drop pipe to help reduce any possible vibrations that may have been occurring and ensure that the pump is positioned in the center of the well casing. We chlorinated the well and the reservoir and are in the process of draining and flushing. We will get a water sample on 5/9/13 to ensure the sanitary integrity of the work completed. When satisfactory results are received we will put Well #6 back on line.

When we pulled the well water level sensor up from the well; we found that the nose cone was missing. I called the manufacturer about replacing it and was told that it is an “obsolete” item and that parts are no longer available. A new sensor will cost approximately \$1,200 (they need to calculate an actual price because the well is so deep). He stated that the nose cone is just to protect the sensitive sensor end and dampen pressure fluctuations. I am not sure how long the nose cone has been missing because it does not affect the performance of the well pump. We do not move the sensor once it is installed and pressure fluctuations are minimal in an 8” well casing. I recommend not replacing the existing sensor at this time. We still get a well water level indication that is accurate and the adverse result of not having a nose cone will be a shortened sensor life and sporadic indications (+/- 1ft while pump is running).

#### **Water Sampling:**

The monthly routine bacteria samples were satisfactory.

#### **Water Usage:**

The water usage data for this month indicated that we had losses of 13.9%. This is way too high! Jester has recommended that I call Lori at Badger Meters to ask if there are any common problems we should be looking for and see if she has any suggestions. I will do so and report my findings.

I do not think that we have significant leaks in the system. The calculations indicate that customer usage went down 15% from March. That is not the trend that we would expect for this month. The yearly losses are still at 8%. We will know more as water usage goes up in May. Steve remains vigilant looking for leaks in the system.

**Customer Concerns:**

Steve had 3 utility locates, had one water shut-off, and 3 after hour phone calls.

We repaired a leak on Shetland Dr. between the water main and the service meter. I would like to give a big thank you to Larry for running the backhoe for us.

Steve has completed the spring water main flushing.

**Cross Connection Control:**

Backflow Pros has installed the 44 assemblies that we asked them to and tested most of the residential assemblies that customers already owned. There were a few upset people but I believe everything is smoothed out. There was one assembly that could not be tested because there was no power to the property and another assembly that failed the test and could not be repaired because it was so old. We will replace the assembly with one on hand.

**Water System Plan:**

We have received the Mason County consistency form and are submitting the WSP to the State on 5/20/13.

**Thoughts:**

Another thank you to Larry for helping put gravel and grading the driveways for wells 3 & 6.

H.D. Fowler has sent plastic Fire Hydrant caps that we can use for replacements. Steve is replacing missing caps as he finds them.

Steve still has not received additional estimates from the roofers he met with. This became a low priority with all the other work going on. He will make some follow-up calls and get the estimates soon.

Backflow Pros has expressed an interest in purchasing the Backflow Assembly Test Kit that Lake Limerick owns. He has offered \$600. Is Lake Limerick interested in selling this equipment?

Also, is Lake Limerick interested in listing its old meters on the Evergreen Rural Water website classifieds. I believe there will be interest in purchasing them from smaller systems with budget issues and Municipal Water Law requirements to install them. I believe that \$10 a meter is reasonable and will cover Steve's time answering phone calls and showing the meters to potential buyers. Is Lake Limerick interested in this?

We are going to start installing sample stations throughout the system to facilitate the Coliform Monitoring Plan. We are also planning on burying the control wire a Well #3 as soon as Well #6 is back on line.

I am hoping that Jon has given Sheila a proposal for providing "on-call" services. If not, I will have it to her soon.

Should you have any questions, or require further information, please call.

William Bernier

Lake Limerick Water System			
Statement of Income and Expenses - Fiscal Year Oct 2012 through Sept 2013			
Status as of 4/30/13			
O.C.C.U. Savings Account	\$	9,007.65	
O.C.C.U. Checking Account	\$	171,222.19	
Key Bank Checking	\$	15,305.79	
ED Jones Designated Savings	\$	149,852.51	
OCCU Meter Replacement Account	\$	4,435.82	<this account will be closed in May 2013
Key Bank Main Line Replacement Account	\$	8,543.87	
Accounts Receivable	\$	62,106.04	
	\$	420,473.87	

Capital Improvements	Budget	Actual Cost	Budget Balance
Meter Replacements, budget \$ from FY 10/11 & 11/12	\$ 99,918.00	\$ 237,821.13	\$ (137,903.13)
Back Flow Assemblies	\$ 62,500.00		
Well #4, Redesign of pumping system	\$ 5,000.00		
Reserve Acct for Main Line Replacement Engineering	\$ 11,490.00	\$ 5,745.00	\$ 5,745.00
<b>F.Y. 2012 - 2013 Totals:</b>	<b>\$ 78,990.00</b>	<b>\$ 237,821.13</b>	<b>\$ (137,903.13)</b>

**Non Budgeted Capital Improvements Well #6 Repairs**

St of WA Dept of Public Works Loan Well #6	Loan Amt	Int Pymts	Principle Paid
Loan Amount	\$ 343,941.00		
October 2005 Loan Payment #1 ( Int Only)	\$ 343,941.00	\$ 4,467.75	
October 2006 Loan Payment #2	\$ 325,838.85	\$ 5,159.13	\$ 18,102.15
October 2007 Loan Payment #3	\$ 307,736.70	\$ 4,887.58	\$ 18,102.15
October 2008 Loan Payment #4	\$ 289,634.55	\$ 4,616.05	\$ 18,102.15
October 2009 Loan Payment #5	\$ 271,532.39	\$ 4,344.52	\$ 18,102.16
October 2010 Loan Payment #6	\$ 253,430.23	\$ 4,072.99	\$ 18,102.16
October 2011 Loan Payment #7	\$ 235,328.07	\$ 3,801.45	\$ 18,102.16
October 2012 Loan Payment #8	\$ 217,225.91	\$ 3,529.92	\$ 18,102.16
October 2013 Loan Payment #9	\$ 199,123.75		

**Total Cost of Cross Connection Control Devices:** (project completed June 2009) \$ 252,626.01

Date	#of \$3 pymts	Total Collected	Balance to pay off
Projected F.Y.06-07,07-08,08-09,09-10,10-11&11-12		\$ 2,229,560.32	\$ 23,065.69
Oct-12	1431	\$ 4,293.00	\$ 18,772.69
Nov-12	1312	\$ 3,936.00	\$ 14,836.69
Dec-12	1300	\$ 3,900.00	\$ 10,936.69
Jan-13	1193	\$ 3,579.00	\$ 7,357.69
Feb-13	1630	\$ 4,890.00	\$ 2,467.69
Mar-13	1251	\$ 2,467.69	\$

The WC has determined that the \$3 charge will remain on the monthly billing and will be used for the installation of the 44 new BFA units as required by the results of the Hazard Survey. Once the units are installed the future collection of the \$3 will be used for testing and ongoing maintenance of the assemblies

Mar-13, Balance Forward:		\$ 1,285.31	\$ 1,285.31
Apr-13	1385	\$ 4,155.00	\$ 5,440.31
May-13			\$ 5,440.31
Jun-13			\$ 5,440.31
Jul-13			\$ 5,440.31
Aug-13			\$ 5,440.31
Sep-13			\$ 5,440.31

Payments Collected for Meter Replacements	#of Payments @ \$5/pymt	Total / Month	Total Collected
amount collected F.Y. 09-10, 10-11 & 11-12		\$ 204,065.00	\$ 204,065.00
Oct-12	1337	\$ 6,685.00	\$ 210,750.00
Nov-12	1210	\$ 6,050.00	\$ 216,800.00
Dec-12	1184	\$ 5,920.00	\$ 222,720.00
Jan-13	1028	\$ 5,140.00	\$ 227,860.00
Feb-13	1337	\$ 6,685.00	\$ 234,545.00
Mar-13	1115	\$ 5,575.00	\$ 240,120.00

**COST TO COMPLETE METER INSTALLATION:** \$ 237,821.13

REFERENCE TO MAIN LINE REPLACEMENT ACCOUNT:	Dep4/13/13		\$ 2,298.87
Apr-13	1227	\$ 6,135.00	\$ 8,433.87
May-13			
Jun-13			
Jul-13			
Aug-13			
Sep-13			

LAKE LIMERICK WATER SYSTEM  
FINANCIAL STATEMENTS  
FISCAL YEAR 2012 - 2013

	TOTAL	Annual Budget	YTD %
<b>Ordinary Income/Expense</b>			goal 58%
<b>Income</b>			
<b>Gross Revenue - Administration</b>			
NSF Check Fees	-2.00	0.00	0%
<b>Total Gross Revenue - Administration</b>	-2.00	0.00	0%
<b>Gross Revenue Water</b>			
Water Disconnect Fee	0.00	150	0%
Water Excess Use Charge	3,427.00	10000	34%
Water Meter Hookup	0.00	2000	0%
Water Meter Lock/Lockout	240.00	120	200%
Water Meter Locked	5,047.00	10000	50%
Water Metered	213,825.00	364000	59%
Water Non Metered	13,412.00	22200	60%
<b>Total Gross Revenue Water</b>	235,951.00	408470	58%
<b>Total Income</b>	235,949.00	408,470.00	58%
<b>Gross Profit</b>	235,949.00	408,470.00	58%
<b>Expense</b>			
<b>Accounting</b>			
Accounting Assistance	270.00	2,000.00	14%
Accounting Audit	0.00	0.00	0%
Accounting Review	384.30	2,000.00	19%
<b>Total Accounting</b>	654.30	4,000.00	16%
<b>Bank Service Charges</b>	115.03	400.00	29%
<b>Credit Card Service Charges</b>	1,381.50	2,500.00	55%
<b>Depreciation</b>	35,000.00	60,000.00	58%
<b>Dues &amp; Subscriptions</b>	643.00	800.00	80%
<b>Employee Expense</b>			
Education of Employees	261.00	1500	17%
Health Insurances	0.00	0	0%
L&I Insurance	732.78	1100	67%
Payroll Tax Expense	3,958.58	6600	60%
Salaries & Wages	37,241.34	56580	66%
Retro Tax Expense	-651.95		
Vacation & Sick Leave	54.00	3800	1%
<b>Total Employee Expense</b>	41,595.75	69580	60%
<b>Engineering Services</b>	0.00	17000	0%
Equipment Rent	391.35	1000	39%
<b>Insurance</b>	3,932.07	9500	41%
<b>Legal Fees</b>	0.00	1000	0%
<b>License &amp; Permits</b>	1,436.64	1500	96%

LAKE LIMERICK WATER SYSTEM  
FINANCIAL STATEMENTS  
FISCAL YEAR 2012 - 2013

	TOTAL	Annual Budget	YTD %
Equipment Purchase	50.49	0	0%
Newsletter Expense	768.18	2000	38%
Office Expense	2,787.20	3300	84%
Postage	5,751.04	6500	88%
Professional Services	49,621.97	47500	104%
Repairs & Maintenance			
Equipment	750.56	5000	15%
General	20,336.61	23000	88%
Auto Maintenance	459.12	0	0%
Total Repairs & Maintenance	21,546.29	28,000.00	0%
Security Service Contracts	3,549.00	6400	55%
Service Contracts	0.00	1500	0%
Supplies	1,764.69	5000	35%
Taxes			
Property Taxes	916.19	2500	37%
WA St Excise Tax	9,088.45	19200	47%
Total Taxes	10,004.64	21700	46%
Telephone	1,686.02	2000	84%
Utilities	9,953.57	20000	50%
Vehicle Expense	2,660.11	6000	44%
Water Testing	0.00	200	0%
Well # 6 Annual Payment	0.00	18000	0%
Total Expense	195,292.84	335,380.00	58%
Net Ordinary Income	40,656.16	73,090.00	56%
Other Income/Expense			
Other Income			
Interest Income	-456.11	4000	-11%
Miscellaneous Income	0.00	500	0%
Service Charges	3,937.19	5400	73%
Total Other Income	3,481.08	9900	35%
Other Expense			
Interest Expense Well #6	0.00	3800	0%
Misc. Expense	73.90	200	37%
Total Other Expenses	73.90	4000	2%
Net Other Income	3,407.18	5900	58%
Income	44,063.34	78,990.00	56%

## WATER COMMITTEE MEMBERS ACTION ITEMS LIST

	ITEM	DATE TO BE DONE	STATUS
1.	Loan for Well#6	20 year loan annual payments	Loan paid off 2026, Next Payment Due 10/1/12
2.	Radio Communication License Fee	10 year Renewal, next due May 2015	Includes Rules and Updates
3.	Budget for periodic pump replacement	Pump expense added to annual budget yearly	Well#1 booster slow, may need replacement
4.	Install Back Flow Assemblies	September 2013	Install where required as per Survey Results.
5.	Map Update/ERU increase Water Distribution System	2006 in-house update by hand converted to CAD (computer) version 2007 by JWM (Morrisette).	CAD map posted in Inn Dec 07. ERU increase request to JWM 4/2010, sent to WDMII For review and Signature, never sent to DOH. GM has requested JWM submit to DOH, done February 2011, pending DOH decision.
6.	Water Meter replacements w/Badger meters	Goal is to complete all installs by Spring 2014.	All Installed except for 30 as of January 12, 2013 <b>COMPLETE REMOVE FROM ACTION ITEM LIST</b>
7.	System wide water line replacement	Long-range planning. Continue investigating financing opportunities.	JWM system evaluation for total replacement completed Feb 2009: estimated cost \$10,000,000. Feb 09 applied & Aug 09 reapplied for 20-yr 1% DWSRF \$1 million loan for first section - denied. Explored USDA loan options. We qualify but how do we pay? Need to check health AC pipes.
8.	Cross Connection Control Program (Back Flow Prevention Device installation)	Contractor done 7/2/09. Final unit completed in-house March 2010..	Backflow devices tested April 2012 with 8% failure rate CCCP program approved by BOD April 2012, approved by Attorney May 2012, will be sent to DOH upon completion of Hazard Survey. Hazard Surveys completed January 15, 2013
9.	WSP updates required every 5 – 6 years.	Next update required April 2013.	plan has been sent to DOH May 2013 for approval
10.	Well #1, Clonakilty Loop	Included in Eng. Design for Div 5 main upgrades.	Incorporated into main upgrade plan.
11.	4" water main, 04-030: Eliminate from the lot, relocate to greenbelt.	Include in Div 4 Eng. Design for main upgrades.	Add to Div. 4 future main upgrade.
12.	Ballantrae/Aycliffe Valve Replacement	WC agreed to defer this project until it can coincide with other projects	Valve not operative, no emergency, but must be replaced Cost \$2,000.
13.	Annual Consumer Education Meeting	November of Each Year	Next Meeting November 2103
14.	Well #3 Roof Repair Warranty	Prior to End of Summer	Contractor has been notified
15.	Secondary BFA testing	Every Three Years, last done 2012	Pending approval by DOH of WSP



## BACKFLOW ASSEMBLY STORY RESEARCH NOTES

### 1. 1998 WSP, SECTION F (CROSS CONNECTION CONTROL)

A. KEN DOUGLAS ON SITE WDM-1 AND WILL BE ATTENDING CROSS CONNECTION CONTROL PROGRAM MANAGEMENT COURSE.

B. CHECK VALVES – TOTAL INSTALLATION PHASED OVER 1997/98/99

C. CROSS CONNECTION CONTROL PROGRAM OPERATIONS SURVEY, FEBRUARY 18, 1994, STATE OF WASHINGTON, DOH.

1. Cross connections are recognized as one of the principal causes of drinking water contamination. WAC 246-290-490 requires that water purveyors develop and implement a cross-connection control program acceptable to the Department.

2. 403 homes/891 lots with valves.

3. LLCC Water Usage Guideline (10/19/94), Item 4. No owner shall be allowed to install or have a previously installed irrigation system for garden, lawn, flower beds, with out a back flow protection device, between the irrigation system and Lake Limerick water distribution system. Not having a back flow prevention device is illegal, (new State Law; "WAC 246-290-490" Drinking Water Regulations). Owners will be subject to inspections, and if not in compliance water service may be refused.

### 2. ACTION ITEM LIST, 6/12/04

WSP complete update required, per (DOH) letter dated 4/21/04; Due for approval by 10/19/04; WC instructed by unanimous motion Semcon Inc. to proceed with the comprehensive plan update.

### 3. WATER COMMITTEE MINUTES, 6/2/04

#### a. Section D, Water System Update

John Segerson, of Semcon reported on the comprehensive plan update. Report attached (note not in file). Discussions on rewrite of water pressure question, backflow discussion, and conservation requirement.

b. LLCC Water System Project and Planning Meeting, 6/2/04, Items related to Comprehensive Plan Update

1. Reference 1998 WSP. Imbedded: Cross Connection Control Program

2. Revised Unit Approval, 8/29/01. Increased: Unit approval to 1250

3. New Plan Requirements: Cross Connection Control Program

4. CCC Program Decision Summary Table form

a. Type of Program (General, WAC 246-290-490(2)(e))

b. Extent of Coordination with LAA (WAC 246-290-490(2)(d))

c. Location and Ownership of Premises Isolation Assembly

a. On purveyor's service line

b. On customer's service line

5. Water Use Questionnaire (Residential Customers)

c. Probable Plan Tasks and Contingency Budget Estimate

Section V. Other Required Programs.

Conservation, Cross Connection Control, Water Quality Program, Wellhead protection, Operations and Maintenance

4. WATER COMMITTEE MINUTES, 9/13/04

Capital and Long Range Planning, Action item review

Section b) Water System Plan Update Dave Pingle has been updating old plan, DOH has requested a preplan meeting, when date is set the committee will be notified.

5. WATER COMMITTEE MINUTES, 10/12/05

a. Capital and Long Range Planning, Action Item Review

Water System Plan update: This is a state requirement every 5 years which is currently due at an approximate cost of \$25,000. No update.

b. New Business section

Back Flows have been added to the action item list. No update

c. Action Item list

Back flow installation added (for the first time) as an Item, but no date to be done or status comments.

6. WATER COMMITTEE MINUTES, 11/9/05

Action Item List

Item 21, Back flow installation added:

Date To Be Done; New DOH regulations regarding backflow protection will be defined in our new WSP (water system plan)

Status; To be done after WSP approval

7. WATER COMMITTEE MINUTES. 12/8/05

Water System Managers Report, the Residential Backflow Assembly section

Per Ken Douglas . . . I have purchased 10 Double Check Valve Assemblies to be installed with the system sampling stations. The new stations have been updated in the Water System Plan. I have also spoken with Mark Herr of H D Fowler Company and he has worked up a bid to cover 600 Backflow Assembly's. By doing the installation in-house thru next 2 to 3 years the savings will be substantial (\$55,000 – \$75,000). I propose that the cost be absorbed in part by the membership. With our discount through H. D. Fowler the savings to the membership will also be substantial (see attached).

The backflow assembly is crucial to the protection of the water system as well as to the individuals using the water. The cross connection program was adopted by Lake Limerick in 1998. It is the water purveyor's responsibility to prevent contamination to the public water system, beginning at the source and ending at the customer connection.

8. WATER COMMITTEE MINUTES, 7/12/06

Old Business section

WSP revision draft – preliminary discussion, set schedule

The Committee will meet Wednesday, July 19<sup>th</sup> at 1 p.m. to consolidate the changes, set a schedule and determine “high risk” areas for the cross connection controls. Ken stated he will try and get his review finished prior to the meeting.

9. WATER COMMITTEE MINUTES, 8/9/06

a. Action Item section

Backflow installations – To be initiated after WSP approval. 2007 Capital Budget Item. \$3/per lot/per month increase in Operating Budget – Informational only.

b. New Business section

Backflow installations . . . \$120,000.00

10. WATER COMMITTEE MINUTES, 4/11/07

a. Action Item section

1. Back Flow Installation; New DOH regulations regarding backflow protection will be defined in our new WSP; To be done after WSP approval, anticipate 2006-2007 capital, decision needed for in-house or contract work.

2. WSP update required, per DOH letter dated 4/21/04; Due for approval by 10/19/04, submitted September 2006; In process of responding to DOH requests for information/clarification by February 7, 2007.

11. WATER SYSTEM PLAN 2007 (April, 2007)

a. Section VI. Operation and Maintenance Program

1. Section G. Cross-Connection Control Program

a. on June 20, 1998, the LLCC Board adopted Resolution 98-1, which approved the 1998 WSP. This plan included several mandated programs and initiatives for the water system, including a Cross Connection Control Program. However, no implementation schedule was adopted and, to date, the Cross Connection Control Program has not begun its implementation.

The Cross Connection Control Program (CCCP) is created based on the authority conveyed by WAC 246-290-490, which states that: “. . . All community water systems shall comply with the cross connection control requirements . . .” and, “. . . The purveyor’s responsibility for cross connection control shall begin at the water supply source, include all the public water treatment, storage, and distribution facilities, and end at the point of delivery to the consumer’s water system . . .”

b. The first step in developing a program is to decide its basic structure. The Lake Limerick Water Committee elected to develop a program based on ownership by the water system of the backflow assemblies themselves. The water system would then be responsible for purchasing and installing the Bas, and also for the routine testing and reporting. Using this approach, it is believed that the lowest overall life-cycle cost to the members would be achieved.

b. Section VIII. Improvement Program Schedule

a. Item 3. Backflow prevention assemblies.

As set forth in Section VI-G, some residential connections will require backflow prevention assemblies (Bas). To estimate the cost, it is assumed that a total of 600 units will be installed, all double-check-valve assemblies, and the cost per unit is \$180 installed. Due to the large number of connections and the time and expense of installation of the Bas, the installation is scheduled to extend over a period of three years. The testing and maintenance of the assemblies will be included in the operating and maintenance budget for the system. Estimated cost: \$108,000

c. Appendix K: Cross Connection Control Program

1. Prevention of Contamination

The customer's plumbing system, starting from the termination of the Purveyor's water service pipe, shall be considered a potential health hazard from back-pressure and/or back-siphonage, and shall require the isolation of the customer's premises by a Purveyor-approved, installed and maintained backflow assembly (BA), of double check valve (DCVA) design. The RBA shall be located at the end of the Purveyor's water service pipe (i.e., immediately downstream of the meter). Water shall only be supplied to the customer through a Purveyor-approved, installed and maintained BA. Notwithstanding the aforesaid, the Purveyor, upon an assessment of the risk of contamination posed by the customer's plumbing system and in-premise use of water, may: (1) Allow a single-family or duplex residential customer presenting minimal hazard to connect directly to the water service pipe, i.e., without a purveyor-approved BA; (2) Require any customer be supplied through a BA, of such other design as determined to be commensurate with the actual or potential health hazard posed by the in-premise use of water.

12. WATER COMMITTEE MINUTES, 5/9/07

a. Water Distribution Manager's Report

Backflow Prevention Device – it was decided by the Committee that these devices will be installed with all new meter hookups at no extra charge. The installation of the back flow devices will be done with in house labor. A motion will be sent to the Board of Directors for approval to use off season golf employees to do the prep work for the installations. The actual installation plans will be determined at a later date. The Committee authorized Ken to get current prices for the back flow devices.

b. Action Items Outstanding

WSP update – Approved by DOH ODW 4/23/07. Next update due 4/19/13.