
CHAMPAIGN COUNTY BOARD OF HEALTH

Brookens Administrative Center
1776 E. Washington
Urbana, IL 61802

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Champaign County Board of Health

**Tuesday, March 15, 2016
5:30 PM**

**Location: Champaign-Urbana Public Health District
201 W. Kenyon, Champaign, IL
Main Conference Room
(Park & Enter on North Side of Facility—Middle Door)**

AGENDA

<u>ITEM</u>	<u>PAGE NO.</u>
A. Call to Order	
B. Roll Call	
C. Approval of Agenda/Addenda	
D. Approval of Minutes	
1. November 17, 2015 – Monthly Meeting	1-3
E. Public Participation on Agenda Items Only	
F. Correspondence and Communications	
G. SmileHealthy	
1. Monthly Report – October 2015	4-6
2. Monthly Report – November 2015	7-11
3. Monthly Report – December 2015	12-16
4. Approval of Renewal Agreement between the Champaign County Board of Health and SmileHealthy	17-18
5. Approval of Participation Agreement between Central IL Dental Education Services and the Champaign County Health Department	19-24
H. CUPHD	
1. Approval of CUPHD Invoice for September 2015 Services	25-27
2. Approval of CUPHD Invoice for October 2015 Services	28-30
3. Approval of CUPHD Invoice for November 2015 Services	31-32
4. Approval of CUPHD Invoice for December 2015 Services	33-34
5. Approval of CUPHD Invoice for January 2016 Services	35-36
6. CUPHD Monthly Division Reports – November 2015 to February 2016 Reports can be viewed at: http://www.c-uphd.org/monthly-reports.html	
a. Administrative Training	
b. Environmental Health	
c. Human Resources	
d. Infectious Disease	
e. Maternal & Child Health	
f. Planning & Research	
g. Wellness & Health Promotion	

Champaign County BOH Meeting Agenda
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- 7. Update on Zika Virus
 - 8. Discussion of Champaign County Environment and Land Use Committee's Recommendation to Restrict the Type of Heat Exchange Fluids Used in Closed Loop Well Systems 37-47
- I. Old Business**
- 1. Environmental Health
 - a. Fee Schedule for Environmental Health Programs 48-71
- J. Other Business**
- K. Public Participation on Non-Agenda Items Only**
- L. Adjournment**

1 CHAMPAIGN COUNTY BOARD OF HEALTH 1

2
3
4 *Tuesday, November 17, 2015*
5

6 **Call to Order**
7

8 The Champaign County Board of Health held a meeting on November 17,
9 2015 at the Champaign-Urbana Public Health District office, 201 W. Kenyon
10 Road, Champaign. The meeting was called to order at 5:36 PM by Vice
11 President, Dr. Michael Ruffatto.
12

13 **Roll Call**
14

15 Upon roll call, the following Board members were found to be present:
16 Dr. Michael Ruffatto, Vice President, Dr. John Peterson, Secretary/Treasurer,
17 David King, and Jim McGuire. David Thies was in attendance at 5:44 PM and
18 Dr. Vura-Weis was in attendance at 5:50 PM. Krista Jones, President, and Betty
19 Segal were absent.
20

21 Also present were: Julie Pryde, CUPHD Administrator, Jim Roberts,
22 CUPHD Director of Environmental Health, and Michael Flanagan, Environmental
23 Health Specialist II.
24

25 **Approval of Agenda/Addendum**
26

27 Dr. Peterson made a motion to approve the November 17, 2015 agenda.
28 Mr. David King seconded the motion. With all in favor, the motion carried.
29

30 **Approval of Minutes**
31

32 A discussion was held regarding the meeting minutes from August 18,
33 2015. On line 78, the minutes stated that there was a language change and the
34 Board would like the word 'public' to be noted in the minutes as the word being
35 added. Also, Dorothy Vura-Weis is a physician and her salutation will be
36 changed. Mr. McGuire made a motion to approve the August 18, 2015 monthly
37 meeting minutes with changes. Dr. Peterson seconded the motion. With all in
38 favor, the motion carried.
39

40 **Public Participation on Agenda Items Only**
41

42 There was no public participation.
43

44 **Correspondence and Communications**
45

46 There was no correspondence. Julie Pryde will send items via e-mail if
47 needed.
48

52
53 **Smile Healthy**

54
55 Dr. Peterson made a motion to receive and place on file the June, July,
56 August and September 2015 SmileHealthy monthly reports. Dr. Ruffatto
57 seconded the motion. With all in favor, the motion carried.

58
59 **CUPHD**

60
61 Dr. Peterson made a motion to approve the CUPHD invoices for July 2015
62 and August 2015 services. David Thies seconded the motion. With all in favor,
63 the motion carried.

64
65 CUPHD Monthly Reports are available on-line.

66
67 Mr. Jim Roberts reported that IDPH is suspending nitrate and nitrite
68 testing for non-community public water supplies and private wells. This will be
69 effective December 31, 2015.

70
71 Mr. Roberts discussed fees for private well water testing for non-public
72 health reasons due to the suspension of IDPH's laboratory testing of services for
73 nitrate and nitrite. CUPHD currently charges \$49 for non-public health testing
74 which includes real estate and personal requests. Tests for public health-related
75 concerns such as illness do not receive a charge.

76
77 Mr. Roberts also reported that IDPH is moving forward to adopt the Food
78 and Drug Administration's (FDA) Model Food Code (2013). Changes will affect
79 standards and methods. IDPH plans to have the new software implemented by
80 July 1, 2016.

81
82 Mr. Roberts attended the Champaign County policy committee meeting
83 where they voted in favor of having the updated Health Ordinance placed on the
84 next County board meeting agenda. A discussion was held regarding the need
85 for an ordinance establishing fees under the Health Ordinance of Champaign
86 County. Mr. Roberts presented an ordinance with proposed fees that are
87 currently charged, including the closed loop well fees. Mr. David Thies made a
88 motion to approve An Ordinance Establishing Fees Under The Health Ordinance
89 of Champaign County with an amendment to include water well testing fee for
90 non-valid public health reasons of \$49 for coliform only. Dr. Peterson seconded
91 the motion. It was noted that the asterisk in Part B is in error. Dr. Vura-Weis
92 suggested that dates and timeframes be added in future ordinances. With all in
93 favor, the motion carried.

94
95 **Old Business**

96
97 Mr. Jim Roberts presented a proposed fee schedule for discussion for the
98 sewage program. This item will be added to the next meeting agenda.

99

103

104 **Other Business**

105

106 The 2016 County Board of Health meeting schedule was presented.

107

108 **Public Participation on Non-Agenda Items Only**

109

110 There was no public participation.

111

112 **Adjournment**

113

114 Dr. Peterson made a motion to adjourn. Dr. Dorothy Vura-Weis seconded
115 the motion. With all in favor, the meeting was adjourned at 6:43 PM.



**Champaign County Board of Health
Monthly Report for October 2015, Fiscal Year 2015**

Total number of children seen from all programs this month: **240**

Total number of unique pediatric dental patients in BOH Fiscal Year 2015: **1663**

Breakdown of current month of patients for all programs by town.

- Champaign: **99**
- Gifford: **1**
- Ivesdale: **1**
- Mahomet: **6**
- Philo: **1**
- Rantoul: **51**
- Savoy: **10**
- Seymour: **2**
- Sidney: **1**
- St. Joseph: **7**
- Thomasboro: **1**
- Tolono: **2**
- Urbana: **33**
- Other/Unknown: **25**

Education and Outreach

Monday October 5th

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **4 children**. Education materials were provided. **1 appointment** was made.

Tuesday October 6th

Staff hygienist Sam did well child visits at Frances Nelson Health Center and had contact with **5 children**. Education materials were provided. **3 appointments** were made.

Staff hygienist Lindsey went to Head Start in Rantoul and did a presentation for **113 children**. Education materials and supplies were presented and provided for each child.

Wednesday October 7th

Staff hygienist Lindsey went to Head Start in Savoy and did a presentation for **155 children**. Education materials and supplies were presented and provided for each child.

Volunteer hygienist Jeana went to the Daily Bread Soup Kitchen and had contact with **32 adults**. Education materials and toothpaste samples were handed out.

Monday October 12th

Volunteer hygienist Judy did well child visits at Frances Nelson Health Center and had contact with **1 child**. Education materials were provided.

Wednesday October 14th

Volunteer hygienist Jeana presented the DEERP Program at Frances Nelson Health Center to **2 adults**. Education materials and toothbrushes were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **4 women**. Education materials were provided. **1 appointment** was made.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided. **1 appointment** was made.

Saturday October 17th

Staff hygienist attended the Disability Expo with Parkland students and had contact with **150 children and adults**. Education materials were provided.

Monday October 19th

Volunteer hygienist Judy did well child visits at Frances Nelson Health Center and had contact with **5 children**. Education materials were provided. **2 appointments** were made.

Tuesday October 20th

Staff hygienist Sam did well child visits at Frances Nelson Health Center and had contact with **6 children**. Education materials were provided. **1 appointment** was made.

Staff hygienist Lindsey went to Head Start in Urbana and did a presentation for **71 children**. Education materials and supplies were presented and provided for each child.

Wednesday October 21st

Staff hygienist Lindsey did well child visits at Frances Nelson Health Center and had contact with **9 children**. Education materials were presented. **1 appointment** was made.

Friday October 23rd

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Monday October 26th

Volunteer hygienist Judy did well child visits at Frances Nelson Health Center and had contact with **11 children**. Education materials were provided.

Tuesday October 27th

Staff hygienist Lindsey went to Head Start in Champaign and did a presentation for **60 children**. Education materials and supplies were presented and provided for each child.

Staff hygienist Sam did well child visits at Frances Nelson Health Center and had contact with **9 children**. Education materials were provided.

Staff hygienist Sam did prenatal visits at Frances Nelson Health Center and had contact with **3 women**. Education materials were provided.

Wednesday October 28th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **8 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **10 women**. Education materials were provided.

Staff hygienist saw **1 adult** patient at Frances Nelson Health Center.

Friday October 30th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **7 children**. Education materials were provided. **7 appointments** were made.

Saturday October 31st

Staff hygienist attended the Love Clinic and had contact with **25 children and adults**. Samples of sugar free gum and education information was provided.

Total number of contacts: 697

Total number of prenatal: 17

Total well child visits: 71 children

SmileHealthy Dental Center is home: 13

Other Dental Home: 20

No dental home need follow up: 6

Infant, no teeth yet: 10

Total appointments made: 17



**Champaign County Board of Health
Monthly Report for November 2015, Fiscal Year 2015**

Total number of children seen from all programs this month: **292**

Total number of unique pediatric dental patients in BOH Fiscal Year 2015: **1789**

Breakdown of current month of patients for all programs by town.

- Bondville: 1
- Champaign: **103**
- Fisher: 1
- Gifford: 1
- Mahomet: 5
- Penfield: 1
- Philo: 4
- Rantoul: **80**
- Savoy: 12
- Sidney: 2
- St. Joseph: 4
- Tolono: 11
- Urbana: 44
- Other/Unknown: 23

Education and Outreach

Monday November 2nd

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **1 woman**. Education materials were provided.

Tuesday November 3rd

Staff hygienist Lindsey went to Head Start in Rantoul and did a presentation for **139 children**. Education materials and supplies were presented and provided for each child.

Staff hygienist Sam did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Staff hygienist Sam did prenatal visits at Frances Nelson Health Center and had contact with **3 women**. Education materials were provided.

Wednesday November 4th

Staff hygienist Lindsey went to Head Start in Champaign and did a presentation to **52 children**. Education materials and supplies were presented and provided for each child.

Volunteer attended the Daily Bread Soup Kitchen and had contact with **41 adults**. Toothpaste samples and education materials were provided.

Staff hygienist Lindsey did prenatal visits at Frances Nelson Health Center and had contact with **5 women**. Education materials were provided.

Friday November 6th

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **2 women**. Education materials were provided. **1 appointment** was made.

Tuesday November 10th

Staff hygienist Lindsey went to Savoy Head Start and did a presentation to **135 children**. Education materials and supplies were presented and provided for each child.

Staff hygienist Sam did well child visits at Frances Nelson Health Center and had contact with **8 children**. Education materials were provided.

Staff hygienist Sam did prenatal visits at Frances Nelson Health Center and had contact with **1 woman**. Education materials were provided.

Volunteers attended the Migrant Health Fair at the Unitarian Universalist Church of Urbana Champaign and had contact with **11 people**. Education materials were provided.

Wednesday November 11th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **8 women**. Education materials were provided. **2 appointments** were made.

Thursday November 12th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **1 child**. Education materials were provided.

Friday November 13th

Volunteer hygienist Terri did prenatal visits at Frances Nelson Health Center and had contact with **5 women**. Education materials were provided.

Monday November 16th

Volunteer hygienist Judy did well child visits at Frances Nelson Health Center and had contact with **9 children**. Education materials were provided.

Tuesday November 17th

Staff hygienist visited Urbana Head Start and did a presentation to **62 children**. Education materials were provided for each child.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **6 women**. Education materials were provided. **5 appointments** were made.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Wednesday November 18th

Staff hygienist went to New Hope Food Pantry and had contact with **26 adults and children**. Toothpaste samples were handed out, along with education materials.

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **5 women**. Education materials were provided. **4 appointments** were made.

Friday November 20th

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **4 women**. Education materials were provided.

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **2 children**. Education materials were provided.

Monday November 23rd

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **7 children**. Education materials were provided.

Tuesday November 24th

Mona, wellness coordinator attended Project Meet the Need with information on Smile Healthy and Frances Nelson, and had contact with **176 adults and children**. Information was provided.

Wednesday November 25th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **5 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **5 women**. Education materials were provided.

Monday November 30th

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **7 children**. Education materials were provided.

Total number of contacts: 738

Total number of prenatal: 45

Total well child visits: 51

Smile Healthy Dental Center is home: 8
Other Dental Home: 17
No dental home need follow up: 12
Infant, no teeth yet: 14
Total appointments made: 12

SmileHealthy
Champaign County Board of Health
Fiscal Year 2015 Report

	Jan 15	Feb 15	March 15	April 15*	May 15	June 15	July 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Total
Bondville											1		1
Broadlands			1	2	1	1		2	1				8
Champaign	86	110	81	112	61	76	76	96	91	99	103		991
Dewey							1	1					2
Fisher				1							1		2
Foosland													0
Gifford			1		1		3	1	1	1	1		9
Homer			3				1						4
Ivesdale										1			1
Ludlow						1	1		1				3
Mahomet	8	3	5	9	10	6	4	8	4	6	5		68
Ogden		2	6		1		1		2				12
Penfield	1		3	2		1		1			1		9
Pesotum	3												3
Philo	1	16	1					4	2	1	4		29
Rantoul	28	32	45	58	45	37	41	76	77	51	80		570
Royal			1										1
Sadorus	5	2					4		1				12
Savoy	10	16	12	8	10	15	10	14	18	10	12		135
Seymour	2	3		1	1	1		1	1	2			12
Sidney		23	1	1	1		2	3		1	2		34
St. Joseph	1	2	2	3	1	3	4	1	2	7	4		30
Thomasboro	1	4	1	1	17	2		2		1			29
Tolono	28	21	6	4	3	4	9	5	4	2	11		97
Urbana	35	49	43	47	63	27	26	40	43	33	44		450
Other/Unk	10	18	80	14	9	21	17	17	16	25	23		250
Total	219	301	292	263	224	195	200	272	264	240	292	0	

Total Unique Patients in FY 219 455 671 840 1024 1132 1250 1400 1543 1663 1789

Education

Contacts 532 575 1324 1359 454 131 185 407 159 697 738 6561

Does not include patients seen at the SmileHealthy Dental Center at Frances Nelson.

*March and April include patients from Give Kids A Smile with C UPHD and IDDS and Parkland Healthy Smiles with IDDS.



**Champaign County Board of Health
Monthly Report for December 2015, Fiscal Year 2015**

Total number of children seen from all programs this month: **202**

Total number of unique pediatric dental patients in BOH Fiscal Year 2015: **1876**

Breakdown of current month of patients for all programs by town.

- Champaign: **65**
- Gifford: **1**
- Ludlow: **12**
- Mahomet: **6**
- Philo: **3**
- Rantoul: **50**
- Savoy: **6**
- St. Joseph: **3**
- Tolono: **5**
- Urbana: **31**
- Other/Unknown: **20**

Education and Outreach

Tuesday December 1st

Staff hygienist went to Rantoul Head Start and presented to **121 children**. Education materials and supplies were presented and provided for each child.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **1 child**. Education materials were provided.

Wednesday December 2nd

Staff hygienist did a presentation to the University of Illinois Contemporary Health Class with **180 students** in attendance. Education materials and supplies were provided.

Volunteer attended the Daily Bread Soup Kitchen and had contact with **19 adults**. Education materials were supplied.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **10 women**. Education materials were provided. **2 appointments** were made.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **5 children**. Education materials were provided.

Thursday December 3rd

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **2 children**. Education materials were provided.

Friday December 4th

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **5 women**. Education materials were provided.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **2 children**. Education materials were provided.

Tuesday December 8th

Staff hygienist went to Savoy Head Start and did a presentation for **144 children**.

Education materials and supplies were provided for each child.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **13 children**. Education materials were provided. **1 appointment** was made

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **3 women**. Education materials were provided.

Wednesday December 9th

Staff hygienist presented the DEERP Program at Frances Nelson Health Center and had contact with **3 people**. Education materials were provided.

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **3 women**. Education materials were provided. **1 appointment** was made.

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **1 child**. Education materials were provided.

Friday December 11th

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **6 children**. Education materials were provided.

Volunteer hygienist did prenatal visits at Frances Nelson Health Center and had contact with **4 women**. Education materials were provided.

Monday December 14th

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **3 children**. Education materials were provided.

Tuesday December 15th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **9 children**. Education materials were provided. **2 appointments** were made.

Staff hygienist went to Urbana Head Start and did a presentation for **58 children**. Education materials and supplies were provided for each child.

Staff hygienist went to the University of Illinois to record a webinar to be used for a fall class of **200 students** and a summer class of **100 students**

Wednesday December 16th

Staff hygienist went to Champaign Head Start and did a presentation to **52 children**. Education materials and supplies were provided for each child.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **6 women**. Education materials were provided. **2 appointments** were made.

Friday December 18th

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **3 women**. Education materials were provided. **1 appointment** was made.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **2 children**. Education materials were provided.

Monday December 21st

Volunteer hygienist did well child visits at Frances Nelson Health Center and had contact with **7 children**. Education materials were provided. **1 appointment** was made.

Tuesday December 22nd

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **15 children**. Education materials were provided. **2 appointments** were made.

Wednesday December 23rd

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **2 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **1 woman**. Education materials were provided.

Monday December 28th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **10 children**. Education materials were provided. **3 appointments** were made.

Tuesday December 29th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **8 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **4 women**. Education materials were provided.

Wednesday December 30th

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **11 children**. Education materials were provided.

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **4 women**. Education materials were provided. **1 appointment** was made.

Thursday December 31st

Staff hygienist did prenatal visits at Frances Nelson Health Center and had contact with **2 women**. Education materials were provided. **1 appointment** was made.

Staff hygienist did well child visits at Frances Nelson Health Center and had contact with **10 children**. Education materials were provided. **1 appointment** was made.

Total number of contacts: 1029

Total number of prenatal: 45

Total well child visits: 107

Smile Healthy Dental Center is home: 33

Other Dental Home: 35

No dental home need follow up: 11

Infant, no teeth yet: 28

Total appointments made: 12

SmileHealthy
Champaign County Board of Health
Fiscal Year 2015 Report

	Jan 15	Feb 15	March 15	April 15*	May 15	June 15	July 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Total
Bondville											1		1
Broadlands			1	2	1	1		2	1				8
Champaign	86	110	81	112	61	76	76	96	91	99	103	65	1056
Dewey							1	1					2
Fisher				1							1		2
Foosland													0
Gifford			1		1		3	1	1	1	1	1	10
Homer			3				1						4
Ivesdale										1			1
Ludlow						1	1		1			12	15
Mahomet	8	3	5	9	10	6	4	8	4	6	5	6	74
Ogden		2	6		1		1		2				12
Penfield	1		3	2		1		1			1		9
Pesotum	3												3
Philo	1	16	1					4	2	1	4	3	32
Rantoul	28	32	45	58	45	37	41	76	77	51	80	50	620
Royal			1										1
Sadorus	5	2					4		1				12
Savoy	10	16	12	8	10	15	10	14	18	10	12	6	141
Seymour	2	3		1	1	1		1	1	2			12
Sidney		23	1	1	1		2	3		1	2		34
St. Joseph	1	2	2	3	1	3	4	1	2	7	4	3	33
Thomasboro	1	4	1	1	17	2		2		1			29
Tolono	28	21	6	4	3	4	9	5	4	2	11	5	102
Urbana	35	49	43	47	63	27	26	40	43	33	44	31	481
Other/Unk	10	18	80	14	9	21	17	17	16	25	23	20	270
Total	219	301	292	263	224	195	200	272	264	240	292	202	

Total Unique

Patients in FY 219 455 671 840 1024 1132 1250 1400 1543 1663 1789 1876

Education

Contacts 532 575 1324 1359 454 131 185 407 159 697 738 1029 **7590**

Does not include patients seen at the SmileHealthy Dental Center at Frances Nelson.

*March and April include patients from Give Kids A Smile with C-UPHD and IDDS and Parkland Healthy Smiles with IDDS

RENEWAL OF PARTICIPATION AGREEMENT

WHEREAS, the Champaign County Health Department, through its duly authorized agent, the Champaign County Board of Health, hereinafter known as the "Board", and SmileHealthy also known as Promise Healthcare, NFP (formerly Central Illinois Dental Education and Services or SmileHealthy), entered into a Participation Agreement dated December 15, 2005, a copy of which is attached to this Renewal of Participation Agreement and marked as "Exhibit A"; and

WHEREAS, the Champaign County Board has approved its budget for the County's Fiscal Year from January 1, 2016 to December 31, 2016 in which it has included a grant for the cost of the renewal of the Participation Agreement between the Board and SmileHealthy in the amount of \$45,000; and

WHEREAS, the Board believes it is in the best interest of residents served by the Champaign County Health Department that the Participation Agreement should be renewed for the period January 1, 2016 to December 31, 2016, with all of the terms and conditions previously contained in the Participation Agreement attached to this Renewal of Participation Agreement and marked as "Exhibit A", with the following exception:

The Board and SmileHealthy agree that should SmileHealthy merge with the Champaign-Urbana Public Health District or any other entity during the term of this Renewal of Participation Agreement, or alternatively should the services presently performed by SmileHealthy be subsumed by the Champaign-Urbana Public Health District, the parties shall modify the terms and conditions of this Renewal of Participation Agreement as necessitated by the said merger or take-over; and

WHEREAS, the Board and SmileHealthy agree that the annual contract cost for the renewal of the Participation Agreement shall be the sum of \$45,000;

The Champaign County Board of Health and SmileHealthy enter into this Renewal of Participation Agreement for the period January 1, 2016 to December 31, 2016 in the amount of \$45,000, with the monthly payments to be \$3,750 per month, and with the said Renewal to be pursuant to the remaining terms and conditions outlined in this Renewal of Participation Agreement and the attached "Exhibit A", on this _____ day of _____, 2015.

CHAMPAIGN COUNTY HEALTH
DEPARTMENT

SMILEHEALTHY, NFP

BY: _____
Chair, Champaign County Board
of Health

BY: _____
President, SmileHealthy dba
Promise Healthcare, NFP

Originally Prepared by:

Susan W. McGrath
Senior Assistant State's Attorney
Office of the Champaign County State's Attorney
1776 E. Washington
Urbana, IL 61802
217/384-3776

With edits for dates and budgeted amounts by Promise Healthcare

PARTICIPATION AGREEMENT

WHEREAS, Central Illinois Dental Education and Services, hereinafter known as “CIDES”, is a not for profit corporation organized and existing under the laws of the State of Illinois and in good standing; and

WHEREAS, CIDES has organized and coordinates a program involving the recruitment of area dentists and dental hygienists who are willing to provide low cost dental hygiene services to children for whom such services might otherwise be unavailable; and

WHEREAS, the Champaign County Health Department, hereinafter known as “DEPARTMENT”, is a duly organized and existing County Health Department; and

WHEREAS the DEPARTMENT and CIDES had previously entered into agreements for the participation of children residing outside of the Champaign-Urbana Public Health District service area in the program organized and coordinated by CIDES; and

WHEREAS, the program established and coordinated by CIDES results in low cost dental hygiene services being provided to such children without cost to them; and WHEREAS, said dentists and dental hygienists have agreed to participate in said program and to accept as full and final payment for their services, payments below the market value for those services as a result of their desire to assure that such services are provided to said children; and

WHEREAS, CIDES’ program has resulted in the education of county residents on the importance of dental hygiene and dental care; and

WHEREAS, CIDES has engaged in out-reach efforts to generate community support and increased access to dental providers for eligible children; and WHEREAS, CIDES has coordinated and organized screenings and evaluations of such children by registered dental hygienist in

accordance with the Dental Practice Act; and

WHEREAS, the DEPARTMENT wishes to continue its pre-existing relationship with CIDES so as to ensure that eligible county children and families are provided access to education and services, the DEPARTMENT and CIDES hereby enter into this agreement as follows:

1. The term of this agreement commences on the date of approval by both CIDES and the DEPARTMENT and shall continue in full force and effect until November 30th, 2006 unless otherwise terminated as provided for herein.
2. The DEPARTMENT and CIDES may mutually agree to extend the term of this agreement at any time or to enter into a new agreement at any time prior to November 30th, 2006, but there shall be no automatic renewal of this agreement absent such mutual assent.
3. The DEPARTMENT shall pay to CIDES the sum of \$105,168.00 in equal monthly installments of \$8,764.00 per month payable on or before the 1st day of each month during the term of this agreement, with the first such payment hereunder to be prorated so as to insure that the total payment for December 2005 pursuant to this agreement and the existing agreements equals but does not exceed \$8,764.00.
4. CIDES shall, for all intents and purposes, be an independent contractor and shall, for no purposes, be considered to be in a joint venture relationship with the DEPARTMENT; and furthermore no employee or independent contractor of CIDES shall be considered to have a joint venture or an employer-employee relationship with the DEPARTMENT.

5. CIDES shall be solely responsible for the payment of all payroll, taxes, Social Security payments, unemployment payments, and all other financial obligations in the performance of this agreement, including obligations for personnel hired by CIDES to perform the services set forth herein.
6. CIDES shall not, without prior authorization from the DEPARTMENT, submit any grants on behalf of the DEPARTMENT, and nothing in this agreement shall be construed as rendering CIDES an agent of the Department for such purposes absent such prior authorization.
7. CIDES shall provide to the DEPARTMENT a copy of it's annual audit within (30) days after the said audit is completed and available for distribution.
8. CIDES shall provide to the DEPARTMENT contact information, including a telephone number at which the public can contact CIDES concerning the program offered by it, including the access and education services provided pursuant to this agreement and shall implement a system by which the public can communicate with representatives of CIDES concerning said program and access thereto at reasonable times. It is the intent of the parties, absent unforeseen circumstances, that contacts to CIDES by members of the public shall be responded to within (1) regular business day following the receipt of said requests.
9. It shall be the sole responsibility of CIDES to ensure the adequacy of it's staff and that all participating dentists and dental hygienists have appropriate professional certifications to provide the services to be under the CIDES program.
10. The DEPARTMENT shall have not be deemed to be a party to any agreements for

the provision of said services nor in anyway to be responsible for the sufficiency of said services or the manner in which they are provided. Instead, it is the express intent of the parties hereto that the DEPARTMENT is contracting with CIDES to ensure access to the program and educational services provided by CIDES for county residents and, in no manner, shall the DEPARTMENT be deemed to have any obligation to exercise control or responsibility for the provision of any services organized by CIDES.

11. The DEPARTMENT and CIDES expressly acknowledge, however, that the DEPARTMENT has a substantial interest in assuring that the children sought to be served by participation with CIDES are adequate in number and level of service in light of the compensation provided hereunder and thus CIDES shall provide to the DEPARTMENT monthly reports at the DEPARTMENT's regular Board meetings which shall include information concerning the number of children served pursuant to participation in this agreement; a brief description of the services provided; and such other further and additional information, if any, reasonably requested by the DEPARTMENT through its Board, so as to enable the DEPARTMENT to be fully informed with respect to the type, manner, and number of services being provided hereunder. Such further additional information may include, if necessary for the DEPARTMENT to fulfill its review of services provided, financial information, to the extent that the same reflects upon the provision of services hereunder.
12. CIDES shall maintain, at its own expense, such insurance, including worker's compensation insurance, liability insurance, and other such insurance as it deems

necessary and shall provide a certificate of such insurance to the DEPARTMENT upon execution of this agreement. The provision of said certificate shall be for information purposes only and shall not be deemed to constitute a relationship of any type or nature other than the contractual relationship provided for hereunder.

13. CIDES represents, however, that it has and shall maintain liability insurance in an amount not less than \$1,000,000.00 per occurrence and such worker's compensation insurance as required by Illinois Law.
14. CIDES and the DEPARTMENT further agree that should either party fail to fulfill it's obligations hereunder the other party may bring an action to specifically enforce the obligations hereunder, but that such an action shall not exclude the availability of any other remedy permitted by law.
15. In the event that either party fails to fulfill it's respective obligations, the party claiming such breach shall provide notice to the purportedly breaching party and shall afford that party and opportunity to remedy said breach or for the parties to reach an agreement with respect thereto of not less than (14) days following the effective date of service. Service shall be deemed effective upon actual receipt by personal delivery by service upon the registered agent or any officer of CIDES or personal service upon the Chair of the Champaign County Board of Health, or it's administrator.
16. CIDES and the DEPARTMENT further agree that the nature of the agreement provided for herein is in the nature of a personal services contract and thus CIDES shall not assign or delegate it's contractual responsibilities and obligations hereunder

to any third party without the express written consent of the DEPARTMENT.

- 17. CIDES and the DEPARTMENT further agree that neither the dentists nor dental hygienists who are participating in the program organized and administrated by CIDES, nor any child for whom services thereunder may be provided, are or shall be deemed to be third party beneficiaries, intended or otherwise, of this agreement; that nothing herein shall be construed to create any relationship between CIDES and the DEPARTMENT other than as an independent contractor; that nothing shall be construed herein, or interpreted, to provide that the DEPARTMENT or CIDES are providing dental hygiene services, but instead shall be construed and interpreted so as to ensure that the scope and extent of the DEPARTMENT’s involvement in the provision of services recruited and organized by CIDES is for the purpose of ensuring access for said eligible children and public education.
- 18. This agreement shall be interpreted, construed, and enforced in accordance with the provisions of applicable Illinois Law.
- 19. This agreement contains the entirety of the parties agreement regarding the relationship established hereby and no prior discussions, negotiations, or agreements are a part hereof the same being conclusively deemed to have merged herein.

CENTRAL ILLINOIS DENTAL EDUCATION SERVICES, NFP, AN ILLINOIS NOT FOR PROFIT CORPORATION,

CHAMPAIGN COUNTY HEALTH DEPARTMENT,

BY: _____
President

BY: _____
Chair, Champaign County Board of Health

Prepared by:
Robert G. Kirchner
Attorney at Law
100 Trade Centre Drive, Suite 402

Invoice Number:	1509
Date of Invoice:	November 5, 2015
Billing Period:	September-15

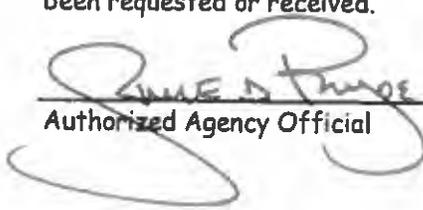
To:
 Champaign County Public Health Department
 1776 East Washington Street
 Urbana, Illinois 61802

For the Following Expenses:

533.07 Professional Services - LHPG Communicable Disease	\$	3,725.84
533.07 Professional Services - LHPG Disease Intervention	\$	6,248.66
533.07 Professional Services - LHPG Tuberculosis	\$	3,058.58
533.07 Professional Services - LHPG Food	\$	18,773.76
533.07 Professional Services - LHPG Water	\$	3,858.83
533.07 Professional Services - LHPG Sewage	\$	6,362.00
533.07 Professional Services - Administration	\$	11,906.41
533.07 Professional Services - PHEP Grant	\$	-
533.07 Professional Services - TFC Grant	\$	-
533.07 Professional Services - Smoke-Free IL Citation Fee Reimb.	\$	400.00
533.07 Professional Services - Summer Food Inspection Grant	\$	175.00
533.07 Professional Services - Vector Surveillance & Control Grant	\$	1,763.76
533.07 Professional Services - County Well Water Testing	\$	258.55
Total Amount Due to CUPHD per Contract	\$	56,531.39

CERTIFICATION:

I hereby certify that the amounts billed above agree with the approved budget; that appropriate purchasing procedures have been followed, and that reimbursement has not previously been requested or received.



 Authorized Agency Official

County Vector Surveillance & Control
September 2015

	Sep-15
PERSONAL SERVICES	
Jeff Blackford	\$1,099.44
Whitney Greger	\$180.17
Total Personal Services	1,279.61
FRINGE BENEFITS	
IMRF	100.24
FICA	96.60
Health Insurance	153.66
Life Insurance	0.56
Illinois Unemployment Comp.	4.77
Workmen's Compensation	68.52
Total Fringe Benefits	424.35
Total Personal Services & Fringe Benefits	1,703.96
TRAVEL	
Mileage	59.80
Total Travel	59.80
SUPPLIES	
Total Supplies	-
Total	1,763.76

County Well Water Testing
September 2015

	Sep-15
PERSONAL SERVICES	
Michael Flanagan	\$165.59
Tammy Hamilton	\$11.30
Total Personal Services	176.89
FRINGE BENEFITS	
FICA	13.27
IMRF	16.16
Health Insurance	30.19
Life Insurance	0.09
Illinois Unemployment Insurance	-
Workers Compensation	7.98
Total Fringe Benefits	67.69
Total Personal Services & Fringe Benefits	244.58
CONTRACTUAL SERVICES	
Printing	0.07
Postage	11.60
Total Contractual Services	11.67
SUPPLIES	
Total Supplies	-
TRAVEL	
Mileage	2.30
Total Travel	2.30
EQUIPMENT	
Total Equipment	-
Total	258.55

Invoice Number:	1510
Date of Invoice:	November 24, 2015
Billing Period:	October-15

To:

Champaign County Public Health Department
 1776 East Washington Street
 Urbana, Illinois 61802

For the Following Expenses:

533.07 Professional Services - LHPG Communicable Disease	\$	3,725.84
533.07 Professional Services - LHPG Disease Intervention	\$	6,248.66
533.07 Professional Services - LHPG Tuberculosis	\$	3,058.58
533.07 Professional Services - LHPG Food	\$	18,773.76
533.07 Professional Services - LHPG Water	\$	3,858.83
533.07 Professional Services - LHPG Sewage	\$	6,362.00
533.07 Professional Services - Administration	\$	11,906.41
533.07 Professional Services - PHEP Grant	\$	-
533.07 Professional Services - TFC Grant	\$	4,577.09
533.07 Professional Services - Smoke-Free IL Citation Fee Reimb.	\$	-
533.07 Professional Services - Summer Food Inspection Grant	\$	-
533.07 Professional Services - Vector Surveillance & Control Grant	\$	318.83
533.07 Professional Services - County Well Water Testing	\$	134.26
Total Amount Due to CUPHD per Contract	\$	58,964.26

CERTIFICATION:

I hereby certify that the amounts billed above agree with the approved budget; that appropriate purchasing procedures have been followed, and that reimbursement has not previously been requested or received.



 Authorized Agency Official

County Vector Surveillance & Control
October 2015

	Oct-15
PERSONAL SERVICES	
Jeff Blackford	\$228.52
Whitney Greger	\$6.79
Total Personal Services	235.31
FRINGE BENEFITS	
IMRF	\$21.24
FICA	\$17.72
Health Insurance	\$33.03
Life Insurance	\$0.12
Illinois Unemployment Comp.	\$0.06
Workmen's Compensation	\$11.35
Total Fringe Benefits	83.52
Total Personal Services & Fringe Benefits	318.83
TRAVEL	
Total Travel	-
SUPPLIES	
Total Supplies	-
Total	318.83

County Well Water Testing
October 2015

	Oct-15
PERSONAL SERVICES	
Michael Flanagan	70.97
Tammy Hamilton	7.54
Total Personal Services	78.51
FRINGE BENEFITS	
FICA	5.89
IMRF	7.16
Health Insurance	13.45
Life Insurance	0.04
Illinois Unemployment Insurance	-
Workers Compensation	3.44
Total Fringe Benefits	29.98
Total Personal Services & Fringe Benefits	108.49
CONTRACTUAL SERVICES	
Printing	0.06
Postage	22.26
Total Contractual Services	22.32
SUPPLIES	
Total Supplies	-
TRAVEL	
Mileage	3.45
Total Travel	3.45
EQUIPMENT	
Total Equipment	-
Total	134.26

Invoice Number:	1511
Date of Invoice:	January 5, 2016
Billing Period:	November-15

To:

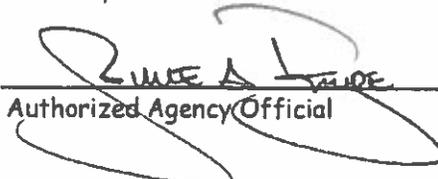
Champaign County Public Health Department
 1776 East Washington Street
 Urbana, Illinois 61802

For the Following Expenses:

533.07 Professional Services - LHPG Communicable Disease	\$	3,725.84
533.07 Professional Services - LHPG Disease Intervention	\$	6,248.66
533.07 Professional Services - LHPG Tuberculosis	\$	3,058.58
533.07 Professional Services - LHPG Food	\$	18,773.76
533.07 Professional Services - LHPG Water	\$	3,858.83
533.07 Professional Services - LHPG Sewage	\$	6,362.00
533.07 Professional Services - Administration	\$	11,906.41
533.07 Professional Services - PHEP Grant	\$	-
533.07 Professional Services - TFC Grant	\$	-
533.07 Professional Services - Smoke-Free IL Citation Fee Reimb.	\$	400.00
533.07 Professional Services - Summer Food Inspection Grant	\$	-
533.07 Professional Services - Vector Surveillance & Control Grant	\$	-
533.07 Professional Services - County Well Water Testing	\$	478.10
Total Amount Due to CUPHD per Contract	\$	54,812.18

CERTIFICATION:

I hereby certify that the amounts billed above agree with the approved budget; that appropriate purchasing procedures have been followed, and that reimbursement has not previously been requested or received.



 Authorized Agency Official

County Well Water Testing
November 2015

	Nov-15
PERSONAL SERVICES	
Michael Flanagan	215.86
Tammy Hamilton	13.19
Jim Roberts	108.83
Total Personal Services	337.88
FRINGE BENEFITS	
FICA	24.79
IMRF	30.19
Health Insurance	58.87
Life Insurance	0.18
Illinois Unemployment Insurance	-
Workers Compensation	15.63
Total Fringe Benefits	129.66
Total Personal Services & Fringe Benefits	467.54
CONTRACTUAL SERVICES	
Printing	0.41
Postage	10.15
Total Contractual Services	10.56
SUPPLIES	
Total Supplies	-
TRAVEL	
Total Travel	-
EQUIPMENT	
Total Equipment	-
Total	478.10

Invoice Number:	1512
Date of Invoice:	January 22, 2016
Billing Period:	December-15

To:

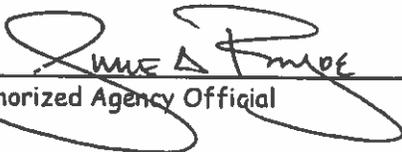
Champaign County Public Health Department
 1776 East Washington Street
 Urbana, Illinois 61802

For the Following Expenses:

533.07 Professional Services - LHPG Communicable Disease	\$	3,725.84
533.07 Professional Services - LHPG Disease Intervention	\$	6,248.66
533.07 Professional Services - LHPG Tuberculosis	\$	3,058.58
533.07 Professional Services - LHPG Food	\$	18,773.76
533.07 Professional Services - LHPG Water	\$	3,858.83
533.07 Professional Services - LHPG Sewage	\$	6,362.00
533.07 Professional Services - Administration	\$	11,906.41
533.07 Professional Services - PHEP Grant	\$	28,756.19
533.07 Professional Services - TFC Grant	\$	6,082.50
533.07 Professional Services - Smoke-Free IL Citation Fee Reimb.	\$	-
533.07 Professional Services - Summer Food Inspection Grant	\$	-
533.07 Professional Services - Vector Surveillance & Control Grant	\$	-
533.07 Professional Services - County Well Water Testing	\$	215.87
Total Amount Due to CUPHD per Contract	\$	88,988.64

CERTIFICATION:

I hereby certify that the amounts billed above agree with the approved budget; that appropriate purchasing procedures have been followed, and that reimbursement has not previously been requested or received.



 Authorized Agency Official

County Well Water Testing
December 2015

	Dec-15
PERSONAL SERVICES	
Michael Flanagan	138.98
Tammy Hamilton	14.44
Total Personal Services	153.42
FRINGE BENEFITS	
FICA	11.61
IMRF	14.10
Health Insurance	16.28
Life Insurance	0.06
Illinois Unemployment Insurance	0.04
Workers Compensation	6.72
Total Fringe Benefits	48.81
Total Personal Services & Fringe Benefits	202.23
CONTRACTUAL SERVICES	
Printing	1.74
Postage	10.17
Total Contractual Services	11.91
SUPPLIES	
Total Supplies	-
TRAVEL	
Mileage	1.73
Total Travel	1.73
EQUIPMENT	
Total Equipment	-
Total	215.87

Invoice Number:	1601
Date of Invoice:	February 18, 2016
Billing Period:	January-16

To:

Champaign County Public Health Department
1776 East Washington Street
Urbana, Illinois 61802

For the Following Expenses:

533.07 Professional Services - LHPG Communicable Disease	\$	3,972.00
533.07 Professional Services - LHPG Disease Intervention	\$	5,885.83
533.07 Professional Services - LHPG Tuberculosis	\$	3,923.92
533.07 Professional Services - LHPG Food	\$	19,018.08
533.07 Professional Services - LHPG Water	\$	3,784.50
533.07 Professional Services - LHPG Sewage	\$	6,211.25
533.07 Professional Services - Administration	\$	10,565.25
533.07 Professional Services - PHEP Grant	\$	3,958.29
533.07 Professional Services - TFC Grant	\$	-
533.07 Professional Services - Smoke-Free IL Citation Fee Reimb.	\$	-
533.07 Professional Services - Summer Food Inspection Grant	\$	-
533.07 Professional Services - Vector Surveillance & Control Grant	\$	-
533.07 Professional Services - County Well Water Testing	\$	39.38
Total Amount Due to CUPHD per Contract	\$	57,358.50

CERTIFICATION:

I hereby certify that the amounts billed above agree with the approved budget; that appropriate purchasing procedures have been followed, and that reimbursement has not previously been requested or received.


Authorized Agency Official

County Well Water Testing
January 2016

	Jan-16
PERSONAL SERVICES	
Tammy Hamilton	\$13.19
Total Personal Services	13.19
FRINGE BENEFITS	
FICA	1.00
IMRF	1.16
Health Insurance	2.53
Life Insurance	0.01
Illinois Unemployment Insurance	0.23
Workers Compensation	0.07
Total Fringe Benefits	5.00
Total Personal Services & Fringe Benefits	18.19
CONTRACTUAL SERVICES	
Printing	0.12
Postage	21.07
Total Contractual Services	21.19
SUPPLIES	
Total Supplies	-
TRAVEL	
Total Travel	-
EQUIPMENT	
Total Equipment	-
Total	39.38

Jim Roberts

From: Susan Monte <smonte@ccrpc.org>
Sent: Thursday, January 14, 2016 2:51 PM
To: Jim Roberts
Cc: Michael Flanagan
Subject: Recommendation to Champaign County Board of Health
Attachments: ELUC Memo_112515.pdf; Durbin and Hoover_0104.pdf

Hello Jim,

Champaign County Environment and Land Use Committee (ELUC) met on December 3, 2015 and reviewed the attached memorandum regarding potential limits to types of heat exchange fluid used in closed loop system wells installed in Champaign County.

ELUC members agreed to forward its recommendation to the Champaign County Board of Health to review an amendment to the Champaign County Health Ordinance to restrict type of heat exchange fluids used. The recommendation (included in the memo) is:

With regard to all closed loop well heat exchange systems in Champaign County, State of Illinois, the heat exchange fluid that is pumped through the closed loop well piping shall be: water or a mixture of water and methanol, or ethanol, or propylene glycol.

At the Dec 3 ELUC meeting, two well contractors talked about the relative costs of USP food-grade propylene glycol and methanol, and their relative safety. Afterwards, I received the request from the County Board Chair to calculate the cost differential of using USP food-grade propylene glycol versus methanol and to consider the cost savings of the lesser setback requirements of a system if USP food-grade propylene glycol is used. Yesterday I contacted each of the well contractor representatives who provided comments at the ELUC meeting, to request their additional feedback regarding:

- (1) wholesale or retail cost information for types of heat exchange fluids used and
- (2) average lineal foot construction cost of lateral piping for a closed loop well system.

I invite you to provide any insights you may have regarding these two measurable costs. I've attached a copy of this correspondence fyi as well.

I've explained to the two contractors that a possible amendment to the County Health Ordinance is a multi-step review process, and that eventually a recommendation from the County Board of Health would wind its way around back to the County Board for approval.

Thank you.

Susan Monte, AICP
 Planner, Sustainability Coordinator
 Champaign County Regional Planning Commission

(217) 819-4105
smonte@ccrpc.org



PLANNING & COMMUNITY DEVELOPMENT

1776 East Washington Street
Urbana, IL 61802

Phone 217.328.3313

Fax 217.328.2426

www.ccrpc.org

Mr. Dominique Durbin
Durbin Enterprises
RR 1 Box 29
Beecher City IL 62414

Mr. Lon Hoover
Illinois Geothermal Engineering
1803 Amber
Urbana IL 61802

Dear Messrs. Durbin and Hoover:

Thank you for attending the Champaign County Environmental Land Use Committee (ELUC) meeting on December 3. I know that County Board committee members appreciate receiving input from experienced practitioners and in-field experts. As you'll recall, at the December meeting, ELUC members considered a recommendation to the County Board of Health to amend the County Health Ordinance to restrict type of heat exchange fluids used in a closed loop system well. They agreed to recommend that the following amendment be considered:

With regard to all closed loop well heat exchange systems in Champaign County, State of Illinois, the heat exchange fluid that is pumped through the closed loop well piping shall be: water or a mixture of water and methanol, or ethanol, or propylene glycol.

This was an initial step of a multi-step review process. The ELUC recommendation is next forwarded to the Champaign County Board of Health, and this request will be up for consideration at a future date (that Board of Health meets quarterly). Once the County Board of Health considers whether to amend the County Health Ordinance, that recommended amendment will then reach the full Champaign County Board.

Following the December 3rd ELUC meeting, I received a request for additional clarification stemming from comments about relative cost and safety of types of heat exchange fluids used in Illinois. I've summarized comments made by Mr. Durbin about types of antifreeze solutions used in Illinois as follows: 'generally two types of antifreeze solutions are used in Illinois: food-grade propylene glycol; and methanol.'

	<u>Cost</u>	<u>Safety</u>
•USP food-grade propylene glycol	very expensive	very safe
•Methanol	very cheap	very flammable

I've been asked to calculate the cost differential between fluids related to the incentive of closer distance from dwelling. The cost differential might mitigate the more expensive cost of the USP food-grade propylene glycol. As an example, the USP food-grade propylene glycol may be more expensive, but the fact that the closed loop well system needs to be located only 25 feet from a dwelling rather than the required 100 feet may balance out the fluid expense.

For this type of calculation, I am seeking two measurable costs:

- 1) wholesale or retail cost information for equal amounts of the two types of antifreeze solutions** for a typical closed loop well system; and
- 2) average lineal foot construction cost of lateral (horizontal) piping for a closed loop well system.

Mr. Durbin and Mr. Hoover, if you have a chance to comment on or to provide available cost information such as I'm seeking, I'd appreciate it. Please contact me this January, if possible, to make any suggestions or to share insights about these types of costs.

Thank you for your consideration.

Sincerely,

Susan Monte, Planner

** By the way, earlier last fall I talked to a drilling company well installer who said his company uses regular propylene glycol, and not food-grade propylene glycol. So, I additionally would ask for your input regarding wholesale or retail cost information about 'regular' propylene glycol as well.



To: Environment and Land Use Committee
From: Susan Monte, Planner and John Hall, Zoning Administrator
Date: November 25, 2015
Subject: Concerns regarding Ongoing Use of Coolants in Geothermal Wells
 [Closed Loop System Wells]

Action Requested: Recommend to the County Board of Health to Review an Amendment to the Champaign County Health Ordinance to Restrict Type of Heat Exchange Fluids Used in a Closed Loop System Well

Background

At their September 3, 2015 meeting, ELUC members received an update regarding options under review regarding a strategy to address the unregulated use of toxic coolants (referred to as 'heat exchange fluids') used in geothermal wells.

At their November 6, 2015 meeting, ELUC members reviewed information from Assistant State's Attorney David DeThorne, David Johnson of the Illinois Department of Public Health (IDPH), and a draft amendment to the County Health Ordinance to forward to the County Board of Health for consideration. ELUC member Jon Schroeder requested information regarding scientific evidence regarding potential contamination to groundwater of ethanol as a heat transfer fluid in a closed loop system well.

This final staff memorandum to ELUC regarding 2015 County Planning Work Plan ID 15-12, includes:

- 1) Illinois Department of Public Health (IDPH) expected proposed rule change and timeline regarding proposed restriction of type of heat exchange fluids allowable in a closed loop system well.
- 2) Scientific study of potential environmental effects of release of heat exchange fluids used in a closed loop system wells.
- 3) A related challenge that County Board of Health inspectors will need to address.
- 4) Revised recommendation for review by ELUC to forward to County Board of Health.
- 5) Suggestion by IDPH's Private Water and Closed Loop Well Program Manager David Johnson that Champaign County request additional scientific research take place regarding groundwater contaminants that could possibly source from geothermal systems.

Concerns regarding Ongoing Use of Heat Exchange Fluids in Closed Loop System Wells

- 1) IDPH expected proposed rule change and timeline regarding proposed restriction of type of heat exchange fluids allowable in a closed loop system well.

Earlier today, IDPH's Private Water and Closed Loop Well Program Manager David Johnson indicated that based on recent continuing discussions with Laborers Union Local 150 (International Union of Operating Engineers) representing well drillers in Illinois, he will promote the following proposed rule change to Illinois Administrative Code Part 920.180:

Part 920.180(c) Heat Exchange Fluid. The heat exchange fluid that is pumped through the closed loop well piping shall be water or a mixture of water and methanol, or ethanol, or propylene glycol.

The proposed Part 920.180(c) will be subject to existing construction provisions of Part 920.180(a) which includes:

“Closed loop wells shall not be located closer to water wells and sources of contamination than the minimum separation distances specified in Table C.” (see Attachment A).

Table C specifies an incentive to using USP food grade propylene glycol. The incentive is that if USP food grade propylene glycol is used as the heat transfer fluid, then a closed loop well may be located a minimal lateral distance of 25 feet of a water well. If another heat transfer fluid is used, then the minimal lateral distance between a closed loop well and a water well is 200 feet.

Mr. Johnson confirmed that there is virtually no chance that ‘ethylene glycol’ (predominately used as vehicle antifreeze) will be included as an allowable heat exchange fluid in Illinois.

Mr. Johnson clarified that the dilution of methanol, ethanol, propylene glycol, or USP food grade propylene glycol with water typically most typically occurs in a range of 20% to 30%, and is an industry self-regulating phenomenon. If the dilution is not correct, the well system will not properly function.

Mr. Johnson indicated that a proposed rule change timeline of approximately six months can be expected. The six-month period will include an initial IDPH legal review, Illinois State Board of Health review, and Illinois Register publication to occur by mid-summer 2016.

- 2) Scientific study of potential environmental effects of release of heat exchange fluids used in a closed loop system wells.

Few, if any studies have been completed that specifically review potential for groundwater harm from leakage of a heat exchange fluid in a geothermal system. Attachment B is an excerpt from Illinois State Geological Survey Open-File Series Report 2004-2 by Edward Mehnert, ISGS, “The Environmental Effects of Ground-Source Heat Pumps-A Preliminary Overview.” Methanol, ethanol, and propylene glycol are categorized as having ‘minor potential for problems’ or ‘little or no potential problems’ regarding environmental risk.

Concerns regarding Ongoing Use of Heat Exchange Fluids in Closed Loop System Wells

Based on general remarks received from Ed Mehnert and others, more research on the topic could be useful.

- 3) A related challenge that County Board of Health inspectors will need to address.

IDPH's Mr. Johnson pointed out that the pending provision to restrict type of heat exchange fluid in a closed loop well will present an inspection challenge for the county health inspector. Special provisions will need to be considered to allow for an inspection process that provides evidence of the type of heat exchange fluid used.

- 4) Revised recommendation for review by ELUC to forward to County Board of Health.

The proposed draft amendment for consideration by the County Board of Health to include as a provision in Section 7.2 [Standards and Regulation] of the Champaign County Health Ordinance follows:

With regard to all closed loop well heat exchange systems in Champaign County, State of Illinois, the heat exchange fluid that is pumped through the closed loop well piping shall be: water or a mixture of water and methanol, or ethanol, or propylene glycol.

- 5) Suggestion by IDPH's Dave Johnson that Champaign County request additional scientific research take place regarding groundwater contaminants that could possibly source from geothermal systems. He specifically mentioned contacting Tom Pitz at the National Ground Water Association to get the ball rolling. Mr. Pitz served on the Illinois Well and Pump Installation Contractor's Licensing Board for more than 24 years. He is a past-president of the Illinois Association of Groundwater Professionals and is currently chairman of the Contractors Division of NGWA. Pitz also owns and operates a full-service water well construction and pump installation business.

Attachments

- A Section 920 Table C Minimal Lateral Distances in Feet Between Water Wells, Closed-Loop Wells, and Sources of Contamination
- B Excerpt from Illinois State Geological Survey Open-File Series Report 2004-2 by Edward Mehnert, ISGS, "The Environmental Effects of Ground-Source Heat Pumps-A Preliminary Overview."

Joint Committee on Administrative Rules
ADMINISTRATIVE CODE

**TITLE 77: PUBLIC HEALTH
CHAPTER I: DEPARTMENT OF PUBLIC HEALTH
SUBCHAPTER r: WATER AND SEWAGE
PART 920 WATER WELL CONSTRUCTION CODE
SECTION 920.TABLE C MINIMAL LATERAL DISTANCES IN FEET BETWEEN
WATER WELLS, CLOSED-LOOP WELLS, AND SOURCES OF CONTAMINATION**

Section 920. Table C Minimal Lateral Distances in Feet Between Water Wells, Closed-Loop Wells, and Sources of Contamination

SOURCES OF CONTAMINATION OR EXISTING WATER WELL	MINIMUM LATERAL DISTANCES FOR CLAY AND LOAM SOILS (FEET)	
	WATER WELL	CLOSED LOOP WELL
Cesspool	150	150
Closed Loop Well ¹	200	NA
Water Well ¹	NA	200
Water Well (when the owner of the closed loop well and a water well serving a private water supply is the same) ¹	N/A	75
Leaching Pit	100	100
Pit Privy	75	75
Subsurface Seepage System, Distribution Box, Sand Filter, Waste Stabilization Pond, Effluent Receiving Trench	75	75
Manure Pile	75	75
Septic Tank, Aerobic Treatment Plant, Surface Discharge Effluent Line, Treated Effluent Discharge Point	50	50
Barnyard or Animal Confinement Lot	50	50
Footing Drains (No connection to a sewer or sump handling sewage is allowed.)	10	10 ²
Pump House Floor Drain	2	2 ²
Pit, Crawl Space or Basement	5	5 ²
Lake, Pond or Stream	25	25 ³
Potential Primary Source, Potential Secondary Source, or Potential Route	200	200
Potential Primary Source, Potential Secondary Source, or Potential Route (when the owner of the source or route and a water well serving a private water supply or closed loop well is the same)	75	75
Abandoned Wells	200	200
Sewers (Sanitary or Combined)	50 ⁴	50 ^{4,5}
Storm Sewers	10	10 ⁵

¹ A closed loop well utilizing USP food grade propylene glycol may be located to within 25 feet of a water well.

² These setbacks do not apply when the closed loop well is installed prior to the construction of the building.

Attachment A

- 3 The 25-foot separation distance from a pond does not apply to a closed loop well when:
- 1) The borehole is grouted the same day that is constructed;
 - 2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and
 - 3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.
- 4 A water well or closed loop well may be located to within 10 feet of a sewer provided that the sewer consists of cast iron pipe with watertight mechanical joints or rubber gasket sealed joints that meet ASTM Standard C564-11, SDR 26 PVC pipe or schedule 40 PVC pipe or heavier with solvent welded watertight joints or elastomeric seals (gaskets) used for push-on joints that meet ASTM Standard F477-10.
- 5 If the sewer pipe material is unknown, the 50-foot separation distance may be reduced to 25 feet if the following conditions are met:
- 1) The borehole is grouted the same day that it is constructed;
 - 2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and
 - 3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.
- 6 The 10-foot separation distance for a storm sewer does not apply to a closed loop well when:
- 1) The borehole is grouted the same day that it is constructed;
 - 2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and
 - 3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.

(Source: Amended at 39 Ill. Reg. 3992, effective March 2, 2015)

ENVIRONMENTAL ASSESSMENT

Geothermal heat pumps can have positive and negative environmental effects. The USDOE and USEPA have encouraged the use of these heat pumps because of their energy efficiency, as discussed above. Increased energy efficiency for such a major use of energy will reduce the amount of fossil fuels burned, greenhouse gases such as carbon dioxide (CO₂) generated, and other air pollutants (NO_x and SO₂) emitted (USEPA, 1997).

Heat Pump Antifreeze

A potential negative effect of all geothermal heat pumps is the release of antifreeze solutions to the environment. Antifreeze solutions are required in colder climates to prevent the circulating fluid from freezing. Antifreeze chemicals include methanol, ethanol, potassium acetate, propylene glycol, calcium magnesium acetate (CMA), and urea. These chemicals are generally mixed with water when used as a heat exchange fluid. These chemicals can be released to the environment via spills or corrosion of system components. In Illinois, closed-loop wells are regulated by the Illinois Department of Public Health under the Illinois Water Well Construction Code (Appendix). Approved antifreezes include methanol, ethanol, propylene glycol, calcium chloride, or ethylene glycol. These antifreezes must be mixed with water, at concentrations of 20% or less.

Geothermal heat pumps for a single family residence and the antifreezes for these units were evaluated by Heinonen et al. (1996). These authors evaluated total energy consumption, corrosion due to the antifreeze, and the operational and environmental effects of six antifreeze solutions (methanol, ethanol, potassium acetate, propylene glycol, CMA, and urea). These authors excluded salt solutions, such as sodium and calcium chloride, from their study because they pose serious potential corrosion problems. The differences in total energy consumption for these antifreezes were considered minimal. Heinonen et al. (1996) recommended that propylene glycol was a good choice based on its low health, fire, and environmental risks (Table 1). Unfortunately, these authors did not assess the leak potential of these antifreezes in the plastic pipe (e.g., HDPE & CPVC SDR-11) commonly used for the ground loop.

Table 1. Cost and Risk Factors for Heat Pump Antifreeze (from Heinonen et al., 1996)

Factor	Antifreeze					
	Methanol	Ethanol	Propylene Glycol	Potassium Acetate	CMA	Urea
Life Cycle Cost	3	3	2	2	2	3
Corrosion Risk	2	2	3 ^a	2	2	1
Leakage Risk	3	2	2 ^a	1 ^b	1	1
Health Risk	1	2	3	3	3	3
Fire Risk	1 ^c	1 ^c	3	3	3	3
Environmental Risk	2	2	3	2	2	3
Risk of Future Use	1	2	3	2	2	2

Notes:

Ratings- 1 means potential problems and caution required, 2 means minor potential for problems, 3 means little or no potential problems

a) DOWFROST HD

b) GS-4

c) Pure fluid only. Diluted antifreeze (25% solution) is rated 3.

Vertical Boreholes

Geothermal heat pumps with vertical boreholes may pose environmental threats. If these boreholes are not properly grouted or the grout fails, groundwater could be contaminated by surface water infiltration, intraquifer flow, or antifreeze leakage. These boreholes are usually grouted with bentonite, neat cement, or a mixture of these materials. Laboratory tests of the hydraulic conductivity of grout materials range from 10⁻¹⁰ to 10⁻⁷ cm/sec. Hydraulic conductivity values of 10⁻⁷ cm/sec are considered impermeable. For the grout and conductor pipe systems, values of hydraulic conductivity of 10⁻⁸ to 10⁻⁷ cm/sec have been reported (Allan and Philappacopoulos, 1999).

The low hydraulic conductivity of grout/pipe system can be compromised by poor bonding between the grout and the borehole or poor bonding between the grout and the heat conductor pipe (Allan and Philappacopoulos, 1999). The bond between the grout and conductor pipe is considered more likely to be compromised (Philappacopoulos and Berndt, 2001) and can fail by thermal contraction of the conductor pipe. Because the grout and pipe have significantly different coefficients of thermal expansion, the conductor pipe can contract from the grout at low temperatures, forming a conductive pathway for contaminant transport (Figure 3). Neat cement grouts with water/cement ratios of 0.4 to 0.8 failed in this manner during lab experiments where low temperature fluids were pumped through the pipe (Allan and Philappacopoulos, 1999). A thermally enhanced grout (Mix 111) did not fail, maintaining hydraulic conductivities of less than 10⁻⁷ cm/sec during these experiments. Mix 111 is a mixture of cement, water, silica sand, and small amounts of superplasticizer and bentonite

Information Memorandum

To: Champaign County Board of Health
From: Jim Roberts
 Director of Environmental Health, Champaign-Urbana Public Health District
Subject: Proposed Fees for Food Protection Program, cost center #7130.
Date: February, 2016

Program Overview

1. The required activities of the Food Protection Program are found at:
<http://www.ilga.gov/commission/icar/admincode/077/077006150C03100R.html>.
2. Many activities, e.g. surveillance of illness, complaint investigation, consultations, and food safety education, are provided at no charge and the numbers, along with the inspection numbers, are available in the Annual Reports (<http://c-uphd.org/publications.html>).
3. Starting CY2013, other fee-based activities, e.g. plan review and temporary food operating permits, have been assigned their own cost centers and are described in their separate Information Memorandums.

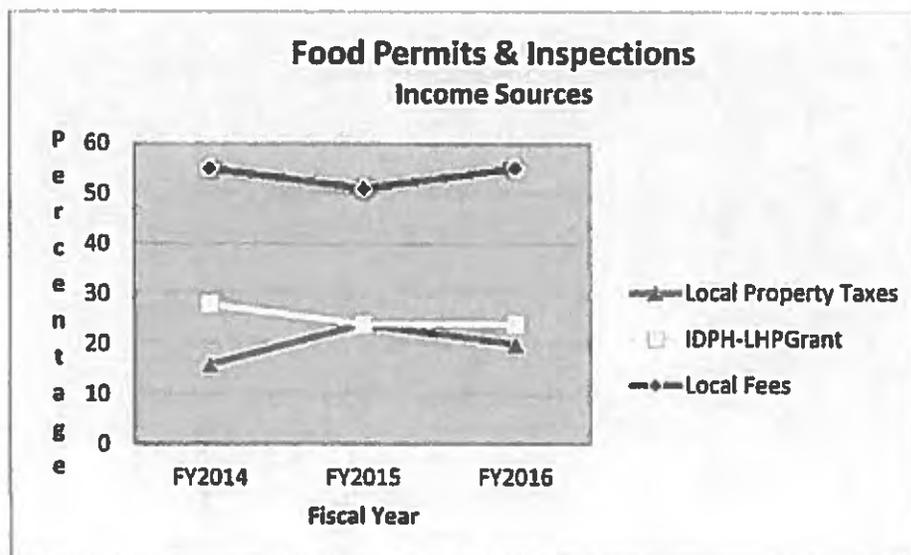
Annual Permits and Inspections (#7130)

1. Fee income from annual permit fees as of November 2015 (annual billing)

Category	Fee	# Active Permits	Potential Total	# For-profit ¹	Actual Total
I	\$400	96	\$38,400	83	\$33,200
II	\$300	166	\$49,800	119	\$35,700
III	\$150	84	\$12,600	76	\$11,400
Total		346	\$100,800	278	\$80,300

- ¹ Fee exemptions in Section 12.4 of Health Ordinance # 969.
- Annual permit fees are prorated 50% (June 1- November 30).

2. All income sources (#7130) % per budget FORMULA:

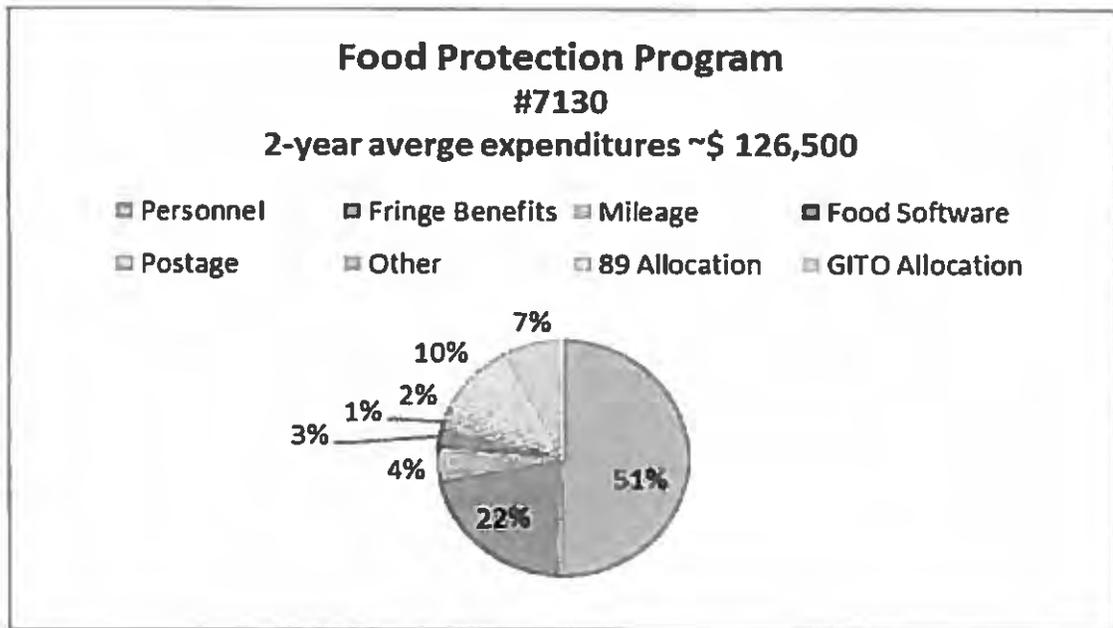


3. Average actual expenditures in cost center #7130 (CUPHD FY13, FY14) = ~\$ 126,500.

GITO Allocation=General, IT, and Occupancy Allocation

89 Allocation= non-specific environmental health program, e.g. general county environmental health time

Personnel	63989
Fringe Benefits	27097
Mileage	5494
Food Software	3810
Postage	1401
Other	2350
89 Allocation	12941
GITO Allocation	9388



Considerations for Food Program Fees

1. Unchanged since 1998 or 2006 despite inflation.

Food Program			Current	Effective Date	Adjusted for Inflation ²
Annual Permit #7130					
	Category I	Dec-May	\$400	2006	\$472
		June-Nov	\$200	2006	\$236
	Category II	Dec-May	\$300	2006	\$354
		June-Nov	\$150	2006	\$177
	Category III	Dec-May	\$150	2006	\$177
		June-Nov	\$75	2006	\$88
Emergency Permit #7135					
	One Day		\$50	1998	\$73
	2-14 Days		\$75	1998	\$109
Other Fees					
	Re-inspection		\$25/hour	1998	\$36
	Reinstatement		\$50	1998	\$73
	Late		\$25	1998	\$36
	Insufficient Funds		\$25	1998	\$36
	Food Code (replacement)		\$8	2012	\$8.29
	Permit (replacement)		\$5	1998	\$7
Plan Review #7136					
	A) New Construction or	100-1000	\$200	1998	\$292
	Conversion	1001-10000	\$300	1998	\$438
		10001-50000	\$400	1998	\$584
		> 50000	\$500	1998	\$729
	B) Extensive Remodel	100-1000	\$150	1998	\$219
	(> 75% or A) or	1001-10000	\$225	1998	\$328
	Change of Ownership	10001-50000	\$300	1998	\$438
		> 50000	\$375	1998	\$547
	C) Minor Remodel	100-1000	\$100	1998	\$146
	(< 75% or A)	1001-10000	\$150	1998	\$219
		10001-50000	\$200	1998	\$292
		> 50000	\$250	1998	\$365

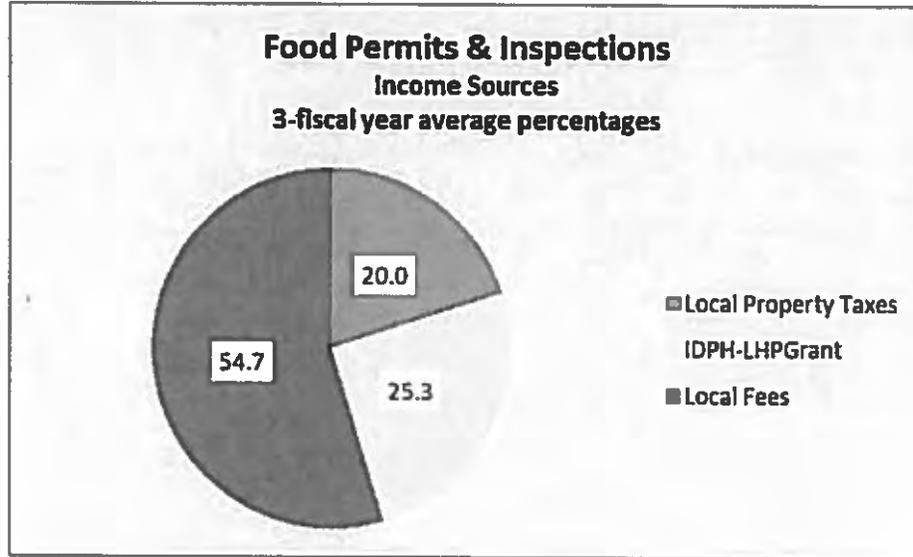
² Adjusted for Inflation (<http://www.usinflationcalculator.com/>)

2. Cost per FORMULA: #7130 only: CUPHD Budget Proposal Appendix B:

- Cost Fulltime Permit FORMULA (FY2014 = ~ \$524; FY2015 = ~ \$556; FY16³ = ~ \$529)
- Cost Per FT/Seasonal Inspection FORMULA (FY2014 = ~ \$389; FY2015 = ~ \$453; FY16³ = ~ \$473).

³ FORMULA not used in 2016 budget proposal appendix.

3. *Average percentages for FY 2014-2016 budgets*



- > What was the first budget percentage goal?
- > What is your budget percentage goal?

4. See other local health department Food Protection Program fee comparison chart (separate sheet).
5. See proposed Food Protection Program fee chart (separate sheet).

Selected LHD-IL Fee Schedule						
			CCPHD	Sangamon County	Peoria City/County	McLean County
Food Program						
Annual Permit						8 classes of fees(Fee exempt-\$133-\$535)
	Category I	Dec-May	\$400	\$825	\$450	\$535
		June-Nov	\$200		50% prorated	
	Category II	Dec-May	\$300	\$625	\$300	\$403
		June-Nov	\$150		50% prorated	
	Category III	Dec-May	\$150	\$250	\$225	\$270
		June-Nov	\$75		50% prorated	
	Exempt				Non-Profit, Schools, Local Government	Non-Profit, Schools, Local Government
Temporary Permit						
	One Day		\$50		1-3 days: \$45	1-3 days: \$50
	2-14 Days		\$75		4-7 days: \$75	3-14 days: \$75
					8-14 days: \$100	Multiple event: \$180
	Late				\$25	\$25
Sidewalk/Street Vendor	Risk I		NA	NA	\$450	NA
	Risk II		NA	NA	\$300	NA
	Risk III		NA	NA	\$225	NA
Seasonal	Risk I		NA	NA	\$375	50% annual fees
	Risk II		NA	NA	\$250	50% annual fees
	Risk III		NA	NA	\$175	50% annual fees
Other Fees						
	Re-inspection		\$25/hour	Progressive: 1=\$77; 2=\$109; 3=\$155; 4=\$206+	Progressive: 1=\$50; 2=\$70; 3=\$90	NA
	Reinstatement		\$50			
	Late		\$25	Progressive: 1-14 days none; >15 days=1x; >30 days=1.5x; >46 days=2x		
	Insufficient Funds		\$25			
	Food Code (replacement)		\$8			
	Permit (replacement)		\$5			
	Uncorrected critical violation		NA	\$25	NA	NA
	Penalty (without license)		NA	NA	\$100	NA
Plan Review						
	A) New Construction or Conversion	sq. ft.		\$361/592	\$200	40% surcharge of Annual Permit
		100-1000	\$200			8 classes of fees
		1001-10000	\$300			Fee exempt-\$186-\$749
		10001-50000	\$400			
		> 50000	\$500			
	B) Extensive Remodel (> 75% or A) or Change of Ownership	100-1000	\$150	\$180/592		
		1001-10000	\$225			
		10001-50000	\$300			
		> 50000	\$375			
	C) Minor Remodel (< 75% or A)	100-1000	\$100			
		1001-10000	\$150			
		10001-50000	\$200			
		> 50000	\$250			

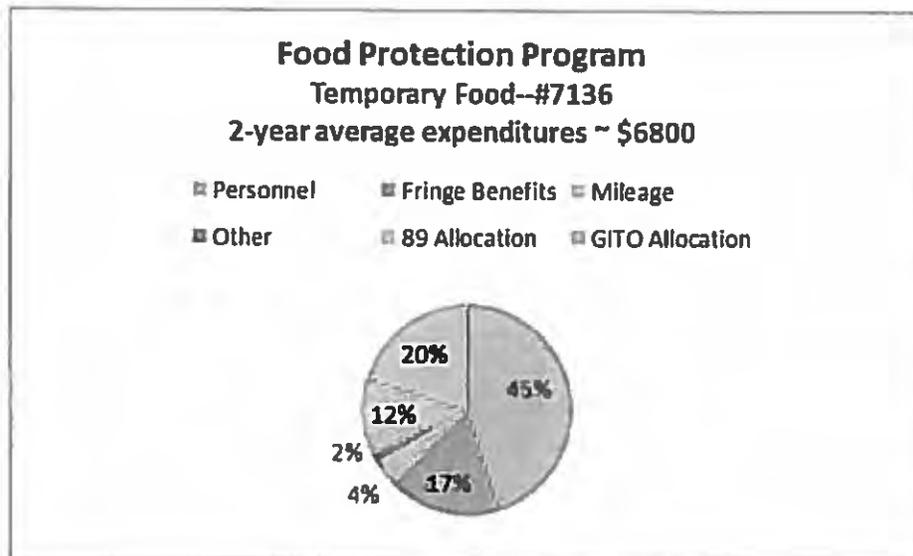
Selected MSA LHD Fee Schedule		CCFHO	Ann Arbor/Washtenaw, MI	Madison & Dane County, WI	Blount County/Monroe County, WI
Food Program					
Annual Permits					
Risk			sq. ft.	Gross Sales/Year + Process (Risk)	Restaurant Renewal (Retail lower)
Category I	Dec-May	\$400	0-1000	\$394	\$109-\$240
	June-Nov	\$700	1001-2000	\$560	\$436-\$467
Category II	Dec-May	\$300	2001-3000	\$724	\$553-\$584
	June-Nov	\$150	3001-5000	\$489	\$765-\$796
Category III	Dec-May	\$150	> 5000	\$1,068	\$940-\$971
	June-Nov	\$75		> \$1M	\$1041-\$1077
Exempt			sq. ft. varies	\$234-\$654	
Temporary Permit					
One Day		\$50		\$137	
1-14 Days		\$75	4 days or more	\$198	
Exempt		No charge		\$64	
Late				\$15-\$30	
Sidewalk/Street V					
Risk I		NA			
Risk II		NA			
Risk III		NA			
Seasonal					
Risk I		NA	sq. ft. varies	\$234-\$654	
Risk II		NA			
Risk III		NA			
Other Fees					
Re-inspection		\$75/hour			
Re-statement		\$50			
Late		\$75		\$5/day	
Insufficient Funds		\$75		\$74	
Food Code (replacement)		\$8			
Permit (replacement)		\$5			
Unsanitary critical violation		NA			
Penalty (without closure)		NA			
Follow-up on corrective critical violation				\$129/inspection	
Hearing fees				\$229-\$395	
New owner/no permit				\$130 + fee	
Change of ownership				\$760	
Plan Review					
A) New Construction or Conversion	sq. ft.		sq. ft.		How licensees have higher fees
	100-1000	\$200	0-1000	\$430	
	1001-10000	\$300	1001-2000	\$594	
	10001-50000	\$400	2001-3000	\$768	
	> 50000	\$500	3001-5000	\$932	
			> 5001	\$991	
B) Extensive Remodel (> 75% or A)	100-1000	\$150	0-1000	\$215	
	1001-10000	\$225	1001-2000	\$379	
Change of Ownership	10001-50000	\$300	2001-3000	\$196	
	> 50000	\$375	3001-5000	\$462	
			> 5001	\$495	
C) Minor Remodel (< 75% or A)	100-1000	\$100			
	1001-10000	\$150			
	10001-50000	\$200			
	> 50000	\$250			
Start construction before approval				Double fee	
Re-submittal				50% of fee	
After 2 inspections				\$129/inspection	

Information Memorandum

To: Champaign County Board of Health
From: Jim Roberts
 Director of Environmental Health, Champaign-Urbana Public Health District
Subject: Proposed Fees for Operating Permits for Temporary Food Service Establishments
Date: February 2016

Program Overview

1. Temporary food service establishment (TFE) applications and operating permits are an activity subset (cost code #7136) of the Food Protection Program.
2. Activities:
 - 241 = 2-year (CY2013, CY2014) average number of operating permits for TFEs issued (temporary permit applications reviewed often with a discussion with the applicant).
 - 128 = 2-year (CY2013, CY2014) average number of operating permits for TFEs inspected.
3. Expenditures
 - ~\$6800 = 2-year average [\$5186 = CY 2013; \$8405 = CY 2014 ((10 weeks unpaid + 3 weeks paid) summer intern)].



4. Fees
 - \$50 (one day); \$75 (two to fourteen consecutive days); since 1998(?).
 - \$ 8,625 = 2-year (CY2013, CY2014) average of fee income collected.
 - No charge for 128 (53.1%) non-for-profit TFEs.

Considerations for #7136 Fees

- ✔ See other local health department Food Protection Program fee comparison chart (separate sheet).
- ✔ See proposed Food Protection Program fee chart (separate sheet).
- ✔ Proposed changes in the IL Food Code include changes in the Temporary Food section including the expansion from one type of temporary permit to three types based on risk classification (known as "Tiers").
- ✔ Recommendation: Wait for new temporary permit classification, then determine fee per tier classification, length of the event, or other considerations (e.g. out-of-county surcharge).

Information Memorandum

To: Champaign County Board of Health
From: Jim Roberts
 Director of Environmental Health, Champaign-Urbana Public Health District
Subject: Proposed Fees for Plan Reviews and Pre-operational Inspections for Food Service Establishments
Date: February 2016

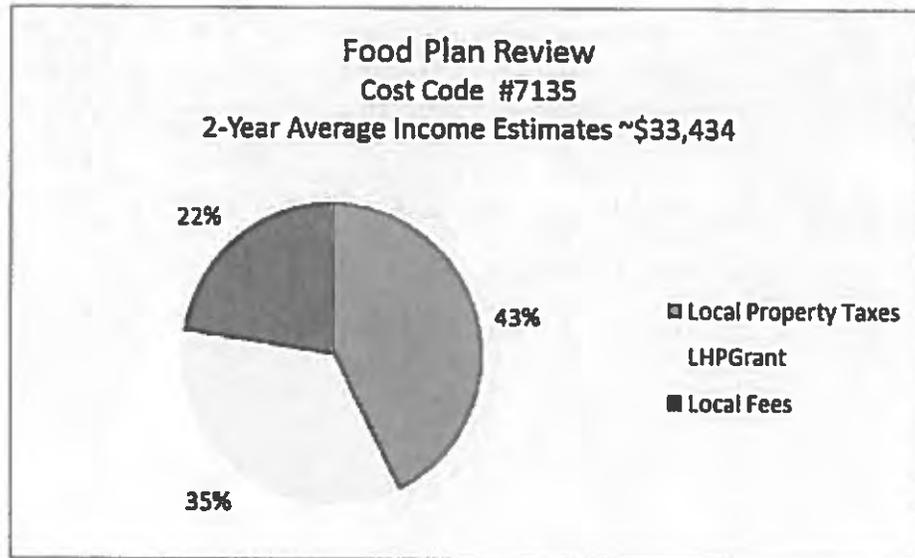
Program Overview

1. Plan Reviews and pre-operational inspections are an activity subset (#7135) of the Food Protection Program.
2. Activities:
 - 31 = 2-year (CY2013 {20}, CY2014 {41}) average number of plan reviews.
 - 37 = 2-year (CY2013 {34}, CY2014 {40}) average number of "opening inspections."
3. Expenditures:
 - A. 2-year average:
 - GITO Allocation=General, IT, and Occupancy Allocation
 - 89 Allocation= non-specific environmental health program, e.g. general county environmental health time.



- B. \$1013 = average expenditure per plan review (\$31,400/31).
4. Income:
 - A. See fee schedule for current fees; since 1998 (?).
 - B. \$6175 = estimated average plan review fees collected per 2-year average number of plan reviews; \$199 = average fee collected per plan review.

- C. Sources of Income Estimates: Using FY2014 and FY2015 budget averages for local property taxes and local health protection grant and average plan review fee income.



Considerations for #7135 Fees

- See other local health department Food Protection Program fee comparison chart (separate sheet).
- See proposed Food Protection Program Plan Review section fee chart (separate sheet).

Champaign County Public Health Department--Proposed Fee Schedule February 2016

Food Program					
				Current	Proposed
Annual Operating Permit (AOP)^{14,17} #7130					
	Category I			\$400	
	Category II			\$300	
	Category III			\$150	
	Category I				sq. ft. ^{4,8}
					1-1000
					1001-3000
					>3000
	Category II				sq. ft. ^{4,8}
					1-1000
					1001-3000
					>3000
	Category III				sq. ft. ^{4,8}
					1-1000
					1001-3000
					>3000
	Vending			None	Future food code changes
Plan Review⁴ #7135					
		sq. ft. ^{11a}			sq. ft. ^{11a}
	New Construction ⁷	1-100		\$0	1-1000
		100-1000		\$200	1001-2000
		1001-10,000		\$300	2001-3000
		10,001-50,000		\$400	3001-5000
		> 50,000		\$500	>5000
	Remodel ⁸	See above		75% of New Construction	See above
	Equipment replacement or finish repair ⁹			No charge	No charge
	Construction/remodeling that begins before plans have been submitted and date stamped			None	2x New Construction fee
	Resubmitted or modified plans after plan approval			None	50% of New Construction fee per each revision
	More than two plan revisions required for review and approval			None	50% of New Construction fee per each revision
	More than two on-site inspections required for final approval			None	\$150 each inspection
	Plan review consultations (office or on-site) ¹⁸			No charge	No charge
	Plan Review fee for Special Processes with HACCP Plan			Separate plan review fee and AOP	Current fees
					\$75/hour in 15 minute increments

Change of Ownership with Transitional Operating Permit¹¹	Change of Ownership Application Submission				
	Active ≤ 30 calendar days after effective date of ownership change ¹²				50% of AOP
	Active > 30 calendar days after effective date of ownership change ¹²				2x AOP
Temporary Permit¹⁴ #7136					
	One Day		\$50	TBD	\$50
	2-14 Days		\$75	TBD	\$75
	Application submitted less than 72 hours prior to day of event		\$25	1998	\$50
Other Fees					
	Re-Inspection		\$25/hour	1998	
	1st in calendar year				One-half AOP fee
	Consecutive re-inspections after the 1st re-inspection				75% AOP
	Correction Verification ¹⁵ > 2 visits				\$75 each visit
	Reinstatement (after closure)		\$50	1998	\$250
	Late Payment of AOP		\$25	1998	\$250
	Insufficient Funds--Returned check		\$25	1998	\$35
	Food Code (replacement)		\$8	2012	\$8
	Permit (replacement)		\$5	1998	\$5
	Cottage Food Operation Registration ¹⁶		None	None	\$25
	Inspection Notice posting incentive ¹⁸		Voluntary	2014	\$200 reduction
	Variance		None	None	\$200
No Charge Activities					
Complaint Investigation					
Illness Surveillance and Investigation					
Food Safety Education					
Consultations					
Correction Verification ¹⁹ ≤ 2 visits					
Enforcement Actions (except penalty as in Chapter 11 of Health Ordinance of Champaign County, No. 969)					
Disaster Response					

⁴ Does not include AOP and fee is valid for one (1) year from date received.

⁵ Sq. ft. = area under health permit, including but limited to kitchen, bar, wait/service stations, food/single service item storage, employee/public toilet rooms, mechanical merchandise area, & garbage storage.

⁶ If mobile unit, then combine mobile + commissary area.

⁷ Includes facilities not previously permitted as a food establishment; previously permitted, but now an inactive facility; or if a new additional permit is added to a currently permitted facility

⁸ Includes changes to a currently permitted facility to the physical space, equipment addition, or equipment installation as a result in a change of menu, equipment, or commissary relocation.

It does not include redecorating, cosmetic refurbishing, altering seating design or capacity.

⁹ Equipment changes or replacements (up to 3 per project) or finish repair in existing, active food establishments are no charge consultations and approvals.

¹⁰ Limited to approval or disapproval and discussing solution options, but no design

¹¹ AOP is not transferable to a new owner; Transitional Operating Permit allows business to continue to operate pending issuance of new AOP to new owner.

¹² Day 1 is the sale date on the bill of sale.

¹³ May charge a fee per Act, effective 2014.

¹⁴ Posted Inspection Notice per guidelines from inspection to inspection (all routine and re-inspections) in the calendar year; AOP fee reduction for next year's AOP.

¹⁵ Of a procedure, equipment check, or items on the Major Violation Correction Form.

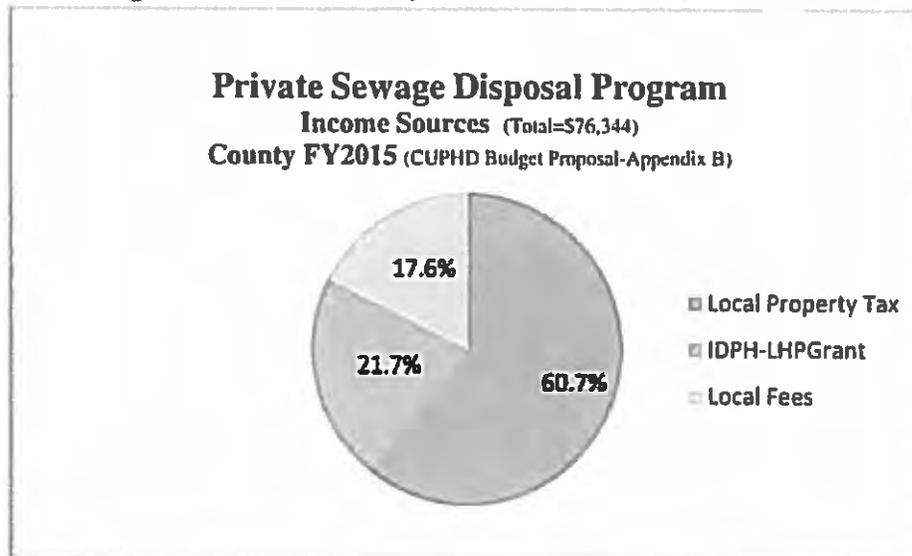
¹⁶ Refunding fees in Section 12.3 and fee exemptions in Section 12.4 of Health Ordinance # 969.

¹⁷ AOP fee prorated at 50% if AOP issued between June 1st and November 30th.

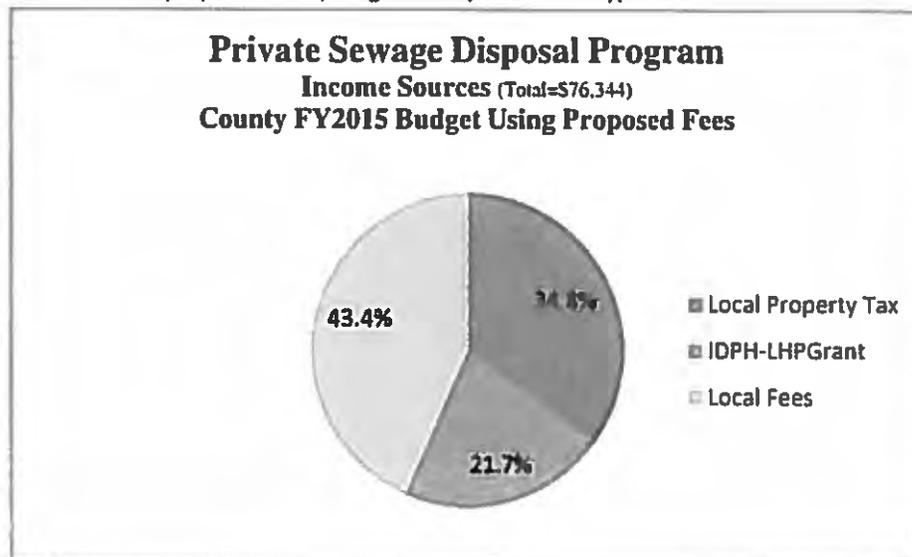
Information Memorandum: An Update from November 2015

To: Champaign County Board of Health
From: Jim Roberts
 Director of Environmental Health, Champaign-Urbana Public Health District
Subject: Proposed Fees for Private Sewage Disposal System Program
Date: February 2016

1. For your information: larger versions of some charts used in our discussion in November 2015.
2. Summary Chart of Activities with current and proposed fees (per November 2015 meeting).
3. How would the proposed fee structure and amounts impact local fee income and the percentage associated with the income sources?
 - A. FY2015 Budget ~ 82% taxes + 18% fees; discussed November 2015.



- B. FY2015 if used proposed fees (using FY2015 permit activity)



	Systems Permitted	Fee	Total
Current Fee	70	\$200	\$14,000.00
Proposed Local Fees			
Residential	63	\$450	\$28,350.00
Non-residential 1-500 GPD	5	\$600	\$3,000.00
Non-residential 501-1500 GPD	0	\$750	\$0.00
Non-residential 1501+ GPD	2	\$900	\$1,800.00
			\$33,150.00

- Assumed LHPGrant is available and at the same amount for program.
 - Fee income increased from \$14,000 → \$33,150 and increased budget income percentage from 17.6% → 43.4%.
 - ~ 57 % taxes + 43% fees (vs. current ~ 82% taxes + 18% fees).
4. Starting January 2016, I subdivided cost code #7500 into three cost codes to better track revenues and expenses.
- o 7510 Construction Permits and Inspections
 - o 7520 Other Fee Based Activities (e.g. Variances and Plat Reviews)
 - o 7530 Activities without Fees (e.g. Complaint Investigations)
5. Future actions
- > Approve fees in 2016 for FY2017 budget
 - > Effective January 1, 2017
 - > Revisit in 2018 (1-year) or 2019 (2-years) and evaluate.

1) Average cost/permit to dollars													
	%	= \$											
\$1,040	60.7	\$631	Local Property Taxes										
\$1,040	21.7	\$226	IDPH_LHPGrant										
\$1,040	17.6	\$183	Local Fees										
		\$1,040											
2) Keeping IDPH_LHPGrant at same % while increasing fee													
		%	\$	%	\$	%	\$	%	\$	%	\$		
Local Property Taxes	Decreasing %	53.3	554	45.3	471	28.3	294	12.3	128	7.5*	78		
IDPH_LHPGrant	Same % as FY2015	21.7	226	21.7	226	21.7	226	21.7	226	21.7	226		
Local Fees	What if increased?	25	260	33	343	50	520	66	686	70.8	736		
								* Champaign County sales tax rate					
3) Lowering the IDPH_LHPGrant (a general revenue grant fund from State of IL)													
		%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
Local Property Taxes	Decreasing %	60	624	45	541	35	364	20	208	10	104	7.5*	78
IDPH_LHPGrant	Lower % than FY2015	15	156	15	156	15	156	15	156	15	156	None	0.00
Local Fees	What if increased?	25	260	33	343	50	520	65	676	75	780	92.5	962

Cost Center	Activity	CCPHD	McLean County	Peoria County	Sangamon County
7500	Subdivision plat review				
	1-10 lots	\$200	Unknown	\$100	Unknown
	Each lot over 10	\$15/lot	Unknown	>15 lots, \$5 per lot	Unknown
7500	Private sewage disposal system pumping contractor				
	Land application site inspection	No charge	Unknown	Unknown	Unknown
	Storage facility inspection	No charge	Unknown	Unknown	Unknown
	Hauling equipment inspection	No charge	Unknown	Unknown	Unknown
	Complaint investigation	No charge	Unknown	Unknown	Unknown
7500	Complaint investigations	No charge	Unknown	Unknown	Unknown
7500	Private sewage disposal system				
	Construction permit & inspections	\$200	\$97+\$145= \$242 or \$193 ¹	\$200	\$397
	Variances	\$200	No charge	\$75	Unknown
7500	Consultation and education	No charge	No charge	No charge	No charge
			¹ Total fee determined by system components		
	Additional Local Activities				
	In addition to IDPH license, an annual contractor registration	None	\$276	\$50	None

Activity	CCPHD	Ann Arbor/Washtenaw County, MI	Madison/Dane County, WI	Bloomington/Monroe County, IN
Subdivision plat review				
1-10 lots	\$200	\$120-\$316/unit	Unknown	Unknown
Each lot over 10	\$10/lot	\$120-\$316/unit	Unknown	Unknown
Private sewage disposal system pumping contractor				
Land application site inspection	No charge	Unknown	Unknown	Unknown
Storage facility inspection	No charge	Unknown	Unknown	Unknown
Hauling equipment inspection	No charge	Unknown	Unknown	Unknown
Complaint investigation	No charge	Unknown	Unknown	Unknown
Complaint investigations	No charge	Unknown	Unknown	Unknown
Private sewage disposal system				
Construction permit & inspections	\$200	see below	see below	see below
Variances	\$200	Unknown	Unknown	Unknown
Consultation and education	No charge	Unknown	Unknown	Unknown
Additional Local Activities				
Annual contractor registration/license	None-IDPH license	\$110 (every 2 years)	None	\$100
Construction Permit				
Residential	\$200	\$345 (up to 2 inspections)	\$409	\$200 (no LHD soil test)
Non-residential 1-500 gallons/day (GPD)	\$200	\$345 + ~\$ 410	\$409 + \$250(<1000 GPD)	\$400
Non-residential 501-1500 GPD	\$200	\$345 + ~\$ 640	\$409 + \$325 (1001-2000 GPD)	\$400
Non-residential 1501+ GPD	\$200	\$345 + \$749↑	\$409 + \$400 (2001-5000 GPD)	\$400
Inspections (maximum 2 on-site visits)	no maximum			
Residential	included with permit	included	included	included
Non-residential 1-500 gallons/day (GPD)	included with permit	included	included	included
Non-residential 501-1500 GPD	included with permit	included	included	included
Non-residential 1501+ GPD	included with permit	included	included	included
Alternative technology review	NA-IDPH approves	\$345 + \$574 (up to 4 inspections)	Already permit many technologies	
Tank only permit (includes 1 inspection)	\$200	\$104	\$409	\$100
Repair component	\$200	\$137	\$257	\$100
Additional inspections required, not in base permit fee	No charge	\$115 each	\$181	
Construction or operation without applicable permit	No charge	2 x minimum fee		
Consultation for alteration to existing system	No charge	Office (\$50) + Field (\$148)	\$ 80/ hour	
Approval of an alteration of a previously approved construction permit	No charge		\$85	

Cost Codes in 2016	Private Sewage Disposal Program--Activity	Current	Proposed
7530	No Charge Activities		
	Complaint investigations	No charge	No charge
	Consultation and education (office or on-site)	No charge	No charge
	Pumping Contractor Activities		
	Land application site inspection	No charge	No charge
	Storage facility inspection	No charge	No charge
	Hauling equipment inspection	No charge	No charge
	Complaint investigation	No charge	No charge
	Construction Activities		
7510	Construction permit with inspections (maximum 2 on-site visits*)		
	Residential	\$200	\$450
	Non-residential 1-500 gallons/day (GPD)	\$200	\$600
	Non-residential 501-1500 GPD	\$200	\$750
	Non-residential 1501+ GPD	\$200	\$900
7520	Additional required inspection*	No charge	\$150
7520	Variance	\$200	\$200
7520	Repair/replacement of a single component (construction permit with 1 inspection)	\$200	\$300
7520	Construction or operation without applicable permit	None	2 x construction permit with inspection or repair fee
7520	Subdivision Plat Review		
	1-10 lots	\$200	\$200
	Each lot over 10	\$10/lot	\$10/lot

Information Memorandum

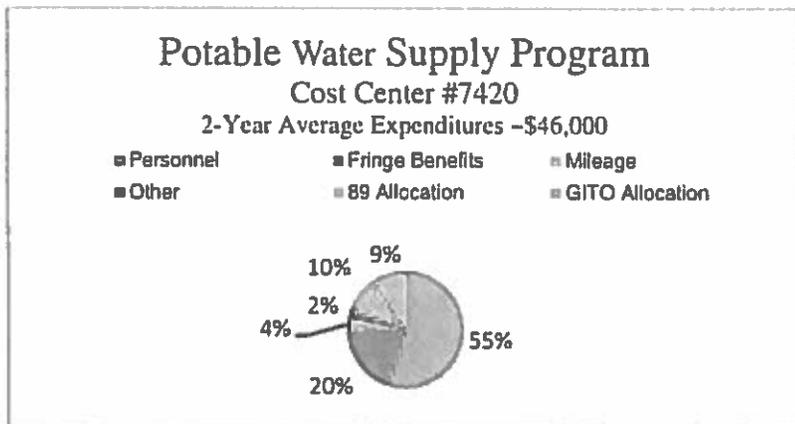
To: Champaign County Board of Health
From: Jim Roberts
 Director of Environmental Health, Champaign-Urbana Public Health District
Subject: Proposed Fees for Potable Water Supply Program
Date: February 2016

Program Overview

1. The required activities of the Potable Water Supply Program are found at:
<http://www.ilga.gov/commission/lcar/admincode/077/077006150C03200R.html>.

Cost Code	Potable Water Supply Program --Activities	Current Fee	Year Approved	Note
7420	Existing semi-private or private water supply inspection or sampling			
7420	Valid public health significance (illness, infant, New, investigation)	No charge	1998	
7411	Other requests not required by grant	\$49	Nov. 2015	Coliform testing only
7420	Sealing of abandoned water wells and closed loop wells	No charge	1998	
7420	Variations	No charge	1998	
7420	Consultation and education	No charge	1998	
7420	Water well			
	Construction permit	\$100	IL statute	
	inspection	\$100	1998	
7422	Closed loop well			
	Construction permit	\$100 (+ \$10)	IL code	1-10 boreholes (+\$10/borehole after 10)
	inspection--residential	\$150	Aug. 2015	
	inspection--Non-residential	\$300	Aug. 2015	
7430	Non-community, transient water supply (NCTS)			
	Biennial survey & sampling; quarterly testing	No charge ¹	1998	¹ \$1100 income from IDPH Safe Drinking Water grant for 22 active systems

2. Number of water well construction permits issued.
 45 = in 2014. (Fee income in CY2014 at \$200 (local fee) x 45 = \$9,000).
 71 = median number (2002-2014).
 41-120 = range (2011; 2003).
3. 2-year actual, average expenditures in cost center #7420 (CUPHD FY13, FY14) = ~\$46,000.
 GITO Allocation=General, IT, and Occupancy Allocation
 89 Allocation= non-specific environmental health program, e.g. general county environmental health time.



25132 Personnel
 9041 Fringe Benefits
 1761 Mileage
 1199 Other
 4682 89 Allocation
 4131 GITO Allocation
 45946

Considerations for #7420 Fees

1. *Unchanged since 1998 despite inflation*

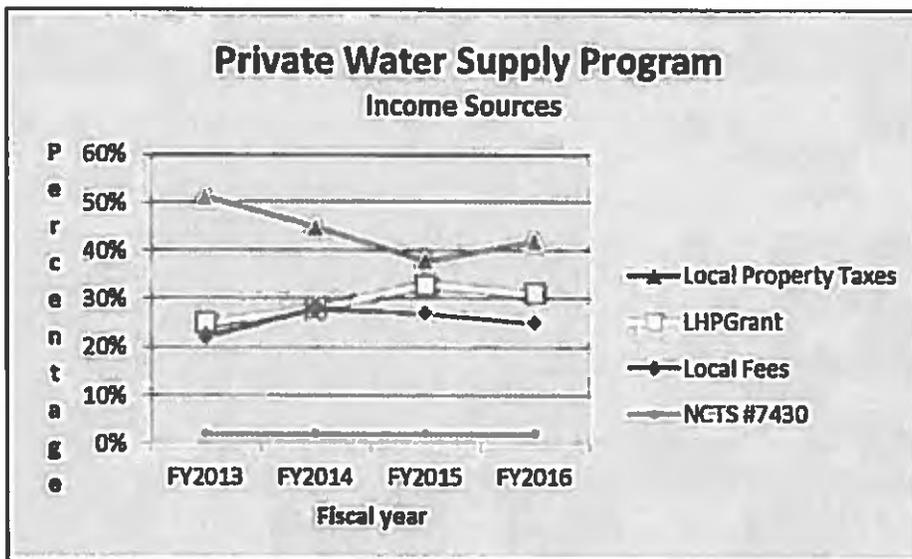
Water Well		Current	Effective Date	Adjusted for Inflation*
Construction Permit	IL statue	\$100	1998	fixed by IL statue
Inspection Fee	Local fee	\$100	1998	\$146
Sealing Construction Permit & Inspection	Local fee	No Charge	1998	No Charge

* Adjusted for Inflation (<http://www.usinflationcalculator.com/>) 1998→2015= 45.9%

2. *Average cost per well permit issued (\$46,000/50) = \$920*

- Average actual expenditures in cost center #7420 (CUPHD FY13, FY14) = ~\$46,000.
- Average number of water well construction permits issued (CY2013, CY2014) = 50.
- Past CUPHD Budget Proposal Appendix B Cost per Well Permit Issued FORMULA (FY2014 = ~ \$931; FY2015 = ~ \$945).

3. *Income sources (#7420 + #7430 cost codes) % per FORMULA:*



- > What was the first budget percentage goal?
- > What is your budget percentage goal?

#7420 Income Sources													
1) Using CUPHD Budget Proposal Appendix B FY2015 percentages													
	CUPHD Budget Proposal Appendix B FY2015	%	\$										
Local Property Taxes	\$17426 (38.5%)	38.5	354										
IDPH_LHPGrant	\$15270 (33.7%)	33.7	310										
Local Fees	\$12560 (27.8%)	27.8	256										
	\$45256 (100%)		\$920										
2) Keeping IDPH_LHPGrant at same % while increasing fee													
		%	\$	%	\$	%	\$	%	\$	%	\$		
Local Property Taxes	Varies	41.3	380	33.3	306	13.3	150	7.5*	69	1	9		
IDPH_LHPGrant	Same	33.7	310	33.7	310	33.7	310	33.7	310	33.7	310		
Local Fees	What if?	25	230	33	304	50	460	58.8	541	65.3	601		
3) Lowering the IDPH_LHPGrant (a general revenue fund from State of IL)													
		%	\$	%	\$	%	\$	%	\$	%	\$	%	\$
Local Property Taxes		60	552	52	478	35	322	20	184	10	92	7.5	69
IDPH_LHPGrant	Lowered	15	138	15	138	15	138	15	138	15	138	None	0.00
Local Fees	What if?	25	230	33	304	50	460	65	598	75	690	92.5	851

* Champaign County sales tax rate

Activity	CCPHD	McLean County	Peoria County	Sangamon County
Existing semi-private or private water supply inspection or sampling				
Valid public health significance (Illness, Infant, New, Investigation)	No charge	No charge	No charge	No charge
Other requests: \$49 for sampling and testing (coliform only)	\$49	\$20	\$10	\$35
Sealing of abandoned water wells and closed loop wells	No charge	No charge	No charge	No charge
Variations	No charge	No charge	\$75	No charge
Consultation and education	No charge	No charge	No charge	No charge
Water well				
Construction permit (IL Statue)	\$100	\$100	\$100	\$100
Inspection	\$100	No charge	No charge	\$386
Closed loop well				
Construction permit (IL Code)	\$100 (+ \$10)	\$206 (1-5 bore holes) + \$103 (increments of 10)	\$200 + \$10 per bore hole	\$100 (+ \$10)
Inspection-Residential	\$150	No charge	No charge	\$275
Inspection-Non-residential	\$300	No charge	No charge	\$275
Non-community; transient water supplies (NCTS)				
Biennial field inspections	No charge	No charge	No charge	No charge
Monitoring required water testing	No charge	No charge	No charge	No charge
Additional Local Activities				
In addition to IDPH license, an annual contractor registration	None	\$50	None	None
Local horizontal closed loop system per trench	NA	\$52	NA	NA
Local body of water closed loop system	NA	\$103	NA	NA
Automatic increase each year unless BoH votes to increase	NA	3%	NA	NA
NCTS: Nitrate-Nitrite testing + inspection fee	None	None	\$25	None
Construction or installation without approval	None			

Activity	CCPHD	Ann Arbor/Washtenaw County, MI	Madison/Dane County, WI	Bloomington/Monroe County, IN
Existing semi-private or private water supply inspection or sampling				
Valid public health significance (Illness, Infant, New, Investigation)	No charge	Unknown		Wells regulated by
Other requests: \$49 for sampling, lab testing, interpretation (coliform only)	\$49	\$60 + lab fees		Department of Natural Resources
Sealing of abandoned water wells and closed loop wells	No charge	Unknown	\$224	
Variations	No charge	\$410		
Consultation and education	No charge	\$188		
Water well				
Construction permit	\$100	\$260	\$100	
Inspection	\$100	\$115	\$112	
Closed loop well				
Construction permit	\$100 (+\$10)	\$60		
Inspection--residential	\$150	\$115		
Inspection--Non-residential	\$300	\$115		
Non-community; transient water supplies (NCTS); new well	\$200	\$460		
NCTS; biennial site surver and sample	\$50 per another grant	Unknown		
Additional Local Activities				
County annual contractor registration	None	Unknown	\$74	
Construction or installation without approval		2x application & permit fees		
Re-inspection due to non-compliance		\$229		
Site visit not included in permit or inspection fees		\$115	\$32	
Local registration: Well permit renewal fee		NA	\$42	
Non-Potable Water Wells (e.g. irrigation or livestock purposes)		\$200		
Report Filing Fee		\$104		

Activity	CCPHD	Board Worksheet	Staff
Existing semi-private or private water supply inspection or sampling			
Valid public health significance (ILLness, Infant, New, Investigation)	No charge		No charge
Other requests: \$49 for sampling and testing (coliform only)	\$49		\$49
Sealing of abandoned water wells and closed loop wells	No charge		No charge
Variances	No charge		\$200
Consultation and education	No charge		No charge
Water well			
Construction permit (IL Statue)	\$100		\$100
Inspection (Maximum 2 on-site visits)	\$100		\$300
Closed loop well			
Construction permit (IL Code)	\$100 (+ \$10)		\$100 (+ \$10)
Inspection-Residential	\$150		\$150
Inspection-Non-residential	\$300		\$300
Non-community; transient water supplies (NCTS)			
Biennial field inspections	No charge		No charge
Monitoring required water testing	No charge		No charge
Additional Local Activities			
Construction or installation without approval	None		2x permit & inspection fees
Additional required inspection	None		\$150

For Your Information:

1. CY2015: 46 water wells:

Current Income: \$9,200 = \$4,600 construction permit fees (\$46 x \$100 per IL Statue fee) + \$4,600 inspection fees (\$46 x \$100 local fee).

Proposed Income: \$18,400 = \$4,600 construction permit fees (\$46 x \$100 per IL Statue fee) + \$13,800 inspection fees (46 x \$300 local fee).

2. CY 2015: 18 closed loop wells:

Income: \$1,800 (18 x \$100 per IL Construction Code) + \$0 inspection fees (County Board did not approve fees until December 2015, but would have been an additional \$2,700).

Your notes: