#### Wisconsin State Laboratory of Hygiene Board of Directors Meeting November 3<sup>rd</sup>, 2015 Madison, Wisconsin

**DATE:** October 28, 2015

TO: Chancellor Rebecca Blank, UW-Madison – Darrell Bazzell, Designated Representative Kitty Rhodes, Secretary, DHS – Karen McKeown, Designated Representative Cathy Stepp, Secretary, DNR – Mark Aquino, Designated Representative Ben Brancel, Secretary DATCP –Michelle Wachter, Designated Representative Dr. Robert Corliss, Chair Jeffery Kindrai, Vice-Chair James Morrison, Member Carrie Lewis, Member Barry Irmen, Member

> Steven Geis, DNR Alternate Gregory Pils, DNR Alternate Scott Hildebrand, UW-Madison Alternate Charles Warzecha, DHS Alternate Gilbert (Gil) Kelley, DATCP Alternate

Charles Brokopp, 12. PH

- FROM: Dr. Charles Brokopp, Secretary Director, Wisconsin State Laboratory of Hygiene
- RE: Wisconsin State Laboratory of Hygiene Board of Directors Meeting Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive Madison, WI 53718 November 3<sup>rd</sup>, 2015 1:00p.m. — 4:00p.m.

C:

Cynda DeMontigny Kristine Hansbery Linda Johnson Jan Klawitter Dr. Daniel Kurtycz Steve Marshall Marie Ruetten Dr. Peter Shult Steve Strebel David Webb

## WISCONSIN STATE LABORATORY OF HYGIENE BOARD OF DIRECTORS

## **MEETING NOTICE**

<u>Tuesday, November 3, 2015</u> 1:00p.m. – 4:00p.m.

## MEETING LOCATION Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive Madison, WI 53718

**Notice is hereby given** that the Wisconsin State Laboratory of Hygiene Board of Directors will convene at <u>1:00 p.m. on Tuesday, November 3<sup>rd</sup>, 2015</u> at Wisconsin State Laboratory of Hygiene in Madison, Wisconsin.

**Notice is further given** that matters concerning Wisconsin State Laboratory of Hygiene issues, program responsibilities or operations specified in the Wisconsin Statutes, which arise after publication of this notice may be added to the agenda and publicly noticed no less than two hours before the scheduled board meeting if the board Chair determines that the matter is urgent.

**Notice is further given** that this meeting may be conducted partly or entirely by teleconference or videoconference.

**Notice is further given** that questions related to this notice, requests for special accommodations, or requests for a public appearance are addressed by the Wisconsin State Laboratory of Hygiene Administrative Offices by phone at (608) 890-0288 or in writing to the Wisconsin State Laboratory of Hygiene, 465 Henry Mall, Madison, Wisconsin, 53706.

ORDER OF BUSINESS: See agenda.

Respectfully submitted,

Charles Brokopp, W. PH

Charles D. Brokopp, DrPH Secretary, Wisconsin State Laboratory of Hygiene Board of Directors Director, Wisconsin State Laboratory of Hygiene October 28, 2015

### Wisconsin State Laboratory of Hygiene Board of Directors Meeting November 3<sup>rd</sup>, 2015 1:00 P.M. – 4:00 P.M.

#### Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive Madison, WI 53718

## AGENDA

#### WELCOME & INTRODUCTIONS

DNR	Mark Aquino
	Director, Office of Business Support and External Relations
	DNR designated WSLH Board Representative

DATCP Gilbert (Gil) Kelley Director, DATCP Laboratory Alternate WSLH Board Representative

#### PROCEDURAL ITEMS

<u>PAGE</u>

Item 1.	APPROVAL OF MINUTES	6
ltem 2.	REORGANIZATION OF AGENDA	11
Item 3.	PUBLIC APPEARANCES	12
Item 4.	BOARD MEMBERS' MATTERS	14

#### **BUSINESS ITEMS**

Item 5.	SCIENTIFIC PRESENTATIONS	15
ltem 6.	FY16 FIRST QUARTER REPORT	18
ltem 7.	STRATEGIC MAP UDPATE	26
Item 8.	CONTRACTS REPORT	27
ltem 9.	DIRECTOR'S REPORT	33

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Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-268-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



October 19, 2015

Dr. Charles Brokopp Wisconsin State Laboratory of Hygiene 465 Henry Mall Madison, WI 53706

Subject: DNR State Laboratory of Hygiene Board Representative Delegation & Alternates

Dear Dr. Brokopp:

With Jack Sullivan's retirement from DNR, I am delegating all State Laboratory of Hygiene Board DNR Representative voting and decision-making authorities to Office of Business Support and External Relations Director Mark Aquino. Greg Pils or Steve Geis will serve as Mr. Aquino's alternates in the event that he is unable to attend.

The DNR is privileged to have representation on the SLH Board, and I look forward to continuing the strong partnership between DNR and the State Laboratory of Hygiene.

incerel tepr

Secretary

Cc: David Webb – State Laboratory of Hygiene Mark Aquino – AD/8 Greg Pils – SS/7 Steve Geis – SS/7

Naturally WISCONSIN



#### Brokopp, Charles

| From:    | Longfield, Kelly M - DATCP <kelly.longfield@wisconsin.gov></kelly.longfield@wisconsin.gov> |
|----------|--------------------------------------------------------------------------------------------|
| Sent:    | Thursday, October 22, 2015 1:17 PM                                                         |
| То:      | Brokopp, Charles                                                                           |
| Cc:      | Wachter, Michelle R - DATCP; Javid, Nathaniel L.                                           |
| Subject: | WSLH Board Appointment for DATCP (Alternate)                                               |

Dr. Brokopp – Secretary Brancel has asked me to notify you that we have a new Lab Director, Gil Kelley, and we would like him to be the alternate representative on the WSLH board. He will step in when Michelle Wachter isn't available.

Here is some background on Mr. Kelley. Let us know if you need anything else... thanks!

I'm pleased to announce that a new Director has been selected for DATCP's Laboratory. Gilbert (Gil) Kelley will start his employment full time with the agency on Monday, October 19, 2015. Gil has a BS in Microbiology and comes to DATCP with over 20 years of laboratory management experience working for SF Analytical Laboratories, Red Star Yeast and Kraft Foods Group. His lab management experience includes: quality assurance, technical oversight, client relations, managing laboratory relocations, ISO 17025 accreditation and overall budget and facilities management. He is HACCP certified through the International HACCP Alliance, a Certified Food Scientist (IFT) and a member of the Institute of Food Technology (IFT), Wisconsin Lab Association (WLA) and the International Association of Food Protection (IAFP).

Kelly M. Longfield Office of the Secretary Department of Agriculture, Trade & Consumer Protection 608-224-5015

#### **PROCEDURAL ITEMS**

#### Item 1. APPROVAL OF MINUTES

#### Description of Item:

The draft minutes of the August 18<sup>th</sup>, 2015 board meeting are submitted for approval.

#### **Suggested Board Action:**

Motion: Approve the draft minutes of the August 18<sup>th</sup>, 2015 board meeting as submitted.

#### **Staff Recommendation and Comments:**

Approve draft minutes.

Once approved, minutes become part of the public record and are posted on the WSLH website: <u>http://www.slh.wisc.edu/about/board/board-meetings-agendas-and-minutes/</u>.

Wisconsin State Laboratory of Hygiene Board of Directors Meeting November 3<sup>rd</sup>, 2015 1:00 P.M – 4:00 P.M. 2601 Agriculture Drive Madison, WI 53718

## UNAPPROVED MINUTES August 18<sup>th</sup>, 2015

| MEMBERS PRESENT:    | Dr. Robert Corliss (Chair), Jeffery Kindrai (Vice-Chair),<br>Charles Warzecha (on behalf of Karen McKeown), Scott<br>Hildebrand (on behalf of Darrell Bazzell), Gregory Pils (on<br>behalf of Mark Aquino), James Morrison, Carrie Lewis,<br>and Dr. Charles Brokopp |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSLH STAFF PRESENT: | Dr. Peter Shult, Dr. Daniel Kurtycz, Kristine Hansbery, Jan<br>Klawitter, Steve Marshall, Marie Ruetten, Steve Strebel,<br>Dave Webb, and Nathaniel Javid                                                                                                            |
| DNR STAFF PRESENT:  | Steve Geis, Ron Arneson                                                                                                                                                                                                                                              |
| GUESTS PRESENT:     | Dr. Joshua Hyman                                                                                                                                                                                                                                                     |

Chair Dr. Robert Corliss called the meeting to order at 1:30 P.M.

#### Item 1. APPROVAL OF MINUTES

Approve the minutes of the June 23, 2015 board meeting as submitted. Chuck Warzecha made a motion to approve, seconded by Jeffery Kindrai. Carrie Lewis abstained.

#### Item 2. REORGANIZATION OF AGENDA

There was no reorganization of the agenda.

#### Item 3. PUBLIC APPEARANCES

There were no public appearances.

#### Item 4. BOARD MEMBERS' MATTERS

Dr. Brokopp welcomed Greg Pils from the Wisconsin Department of Natural Resources. Greg is filling in the vacancy left by Jack Sullivan. Dr. Brokopp also mentioned that Mark Buechner, the retired chief financial officer for the WSLH, passed away last week. Mark contributed greatly to the lab and will be sorely missed. His memorial service is on August 19<sup>th</sup>.

### Item 5. SCIENTIFIC PRESENTATION

## 1) Dr. Joshua Hyman, Core Director, DNA Sequencing Facility, UW Biotechnology Center

Dr. Corliss introduced Dr. Joshua Hyman, Director of the UW Biotech Center's DNA sequencing facility since 2004. The Biotech Center is working with the WSLH to offer clinical services on UW campus. The WSLH's CLIA license now covers testing being performed in Dr. Hyman's laboratory. Dr. Hyman discussed mass spectrometry. Mass spectrometry begins with a sample that enters an instrument and is vaporized and ionized before going through the detector. The sample is accelerated through a tube by the use of magnetic fields in which particles are split by their charge. Early instruments were not very sophisticated, but they have been greatly improved in recent years. Dr. Hyman discussed some of the key projects his laboratory is undertaking. For example, the laboratory is testing infant urine samples collected from diapers to detect rare metabolic diseases. His lab also looks at whole genomes associated with rare diseases. The lab is able to look at the genes involved in various diseases in a way that is very cost effective. Dr. Hyman also discussed how research with genome sequencing is significant. For example, the lab found that a single mutation in a single gene has made corn more edible for human consumption. Dr. Hyman also discussed gene editing using Crispr/Cas 9 technology. The technology allows one to cut and insert sections of genes. NextGen sequencing is used to capture the specific areas to see if the target was correct. China has tested this in a non-viable human embryo. As expected, this has been controversial. With this technology, we can make gene deletions, remove enhancers, and make disease related genetic mutations. Finally, we do a lot of work on the UW campus with stem cells. Dr. Hyman provided some examples of success stories, e.g. Bart Starr's recovery from a stroke following post stem cell intervention. More analysis is needed to see the exact cause and effect relationship with stem cell intervention. The ultimate goal is to improve human life through technology, and thereby advancing public health.

## Item 6. FY15 CLOSEOUT REPORT

## 2) Marie Ruetten, Financial Manager, Wisconsin State Laboratory of Hygiene

Marie Ruetten provided the FY15 closeout report. The fiscal year ended close to what we expected: we came out at \$410,795 better than budget at a net operating income. For total support and revenue, we came out under budget at \$508,653 with a -1.2% variance from budgeted to actual. For expenses, we came out under budget at \$919,448 with a -2% variance from budgeted to actual. On a modified cash basis, our total expenses were \$349,429 under budget with a -0.8% variance from budgeted to actual. This gives a net operating loss of \$159,224. Subtracting our reserve expenditures, our modified net operating loss is \$182,248.

Comparing our total support and revenue to FY14, we are down by \$3,565,555 and our expenses increased by \$229,641. Therefore, our net operating loss compared to FY14 is \$3,795,196. Our cash balance as of June 30<sup>th</sup>, 2015 was \$10,798,968. Subtracting our restricted cash, deferred revenue, and encumbered payables, we have an available unrestricted cash balance of \$1,410,075 as of June 30<sup>th</sup>, 2015.

## Item 7. CONTRACTS REPORT

### 3) Dr. Charles Brokopp, Director, Wisconsin State Laboratory of Hygiene

Dr. Brokopp presented the contracts report to the Board. There are no current contracts that the Board needs to approve. New contracts for this period include three new contracts with the Department of Health Services to provide testing and conduct special projects, some related to influenza. We also have several DNR contracts providing laboratory testing to support various DNR projects including toxic air monitoring, aquatic invasive species, and lake protection. Dr. Brokopp asked the Board to review the packet for more information on these contracts. Dr. Brokopp mentioned that we asked DHS and DNR to review what testing they would like the WSLH to provide for the year. We have received the list and are currently reviewing it. Unfortunately, the total need is exceeding the resources we have. We will be meeting with DHS and DNR to address this issue.

## Item 13. DIRECTOR'S REPORT

## 1) Dr. Charles Brokopp, Director, Wisconsin State Laboratory of Hygiene

The next Board meeting will take place on November 3<sup>rd</sup> at the Wisconsin State Laboratory of Hygiene at Agriculture Drive. We will provide an update on the strategic map at this meeting. Dr. Brokopp mentioned several public and environmental health incidents that have occurred in the lab including cyclospora, anthrax, CRE *Klebsiella pneumoniae*, and mumps. Dr. Brokopp also presented the water system testing report to the Board. Since the last Board report, 1,411 water systems were tested and 31 systems received a boil notice. We have also made some modifications to our newborn screening cards. We've added several questions on the card, including adding a reason for why the blood may not be screened. This is important to assure that all babies are screened and that there is a record for the ones who are not. APHL is hosting a series of environmental webinars. One of which was on informing decision-making though health assessments. Lastly, EHD produced a new brochure on testing for cyanobacteria and blue-green algae toxins. **Chair Dr. Robert Corliss** made a motion to adjourn meeting at 3:00 P.M. **Charles Warzecha** seconded the motion. The motion passed unanimously and the meeting was adjourned.

Respectfully submitted by:

Charles Brokopp. W. PH

Charles D. Brokopp, DrPH Secretary, Wisconsin State Laboratory of Hygiene Board of Directors

### PROCEDURAL ITEMS

#### Item 2. REORGANIZATION OF AGENDA

#### **Description of the Item:**

Board members may suggest changes in the order in which agenda items are discussed.

#### **Suggested Board Action:**

None.

#### **Staff Recommendation and Comments:**

Reorganize the agenda as requested by the Board

#### **PROCEDURAL ITEMS**

#### Item 3. PUBLIC APPEARANCES

#### **Description of the Item:**

Under the board's Policies and Procedures nonmembers are invited to make presentations.

#### **Suggested Board Action:**

Follow WSLH Policies and Procedures.

#### **Staff Recommendation and Comments:**

Follow WSLH Policies and Procedures.

Per Policies and Procedures of the Wisconsin State Laboratory of Hygiene Board of Directors:

- §6.12 *Speaking privileges.* When the board is in session, no persons other than laboratory staff designated by the director shall be permitted to address the board except as hereinafter provided:
  - (a) A committee report may be presented by a committee member who is not a member of the board.
  - (b) A board or committee member in the course of presenting a matter to the board may request staff to assist in such a presentation.
  - (c) If a board member directs a technical question for clarification of a specific issue to a person not authorized in this section, the Chair may permit such a person to respond.
  - (d) The board may by majority vote or by decision of the Chair allow persons not otherwise authorized in this section to address the board if the situation warrants or the following criteria is followed:
    - (1) Written requests for public appearances on specific current agenda items shall be made to the board Secretary <u>no later than two working days</u> prior to the meetings. The request shall outline the reasons for the request including the subject matter to be discussed in as much detail as is feasible prior to the meeting of the board. Those requesting an appearance may, at or prior to the board meeting, provide board members copies of any written materials to be presented or a written statement of a position.
    - (2) Individual presentations will be limited to five minutes, unless otherwise authorized by the Chair.
    - (3) To schedule an appearance before the Wisconsin State Laboratory of Hygiene Board of Directors, contact the board Secretary, c/o Director, Wisconsin State Laboratory of Hygiene, 465 Henry Mall, Madison, Wisconsin 53706. Telephone (608) 890-0288. The subject or subjects to be discussed must be identified.
    - (4) The Wisconsin State Laboratory of Hygiene "Guidelines for Citizen Participation in WSLH Board Meetings" are published on its website: http:// www.slh.wisc.edu/index.shtml and printed copies are available on request. (See Appendix 5) [Section §6.12 approved 5/27/03 board meeting.]

#### Appendix 5

#### **Guidelines for Citizen Participation at WSLH Board Meetings**

The Wisconsin State Laboratory of Hygiene board provides opportunities for citizens to appear before the board to provide information to the board on items listed on the agenda. Such appearances shall be brief and concise. In order to accommodate this participation in the allotted time, the guidelines are as follows:

- A. Items to be brought before the board:
  - 1. The board Secretary and Chair will assign a specific time on the agenda to hear public comment when a request to speak has been received from a member of the public.
  - Individuals or organizations will be limited to a total of five (5) minutes to make a
    presentation to the board. Following the presentation board members may ask clarifying
    questions.
  - 3. An organization is limited to one (1) spokesperson on an issue.
  - 4. On complex issues, individuals wishing to appear before the board are encouraged to submit written materials to the board Secretary in advance of the meeting so the board may be better informed on the subject in question. Such information should be submitted to the board Secretary for distribution to all board members <u>no later than seven (7) working days</u> before the board meeting.
  - 5. No matters that are in current litigation may be brought before the board.
- B. The board encourages individuals to confine their remarks to broad general policy issues rather than the day-to-day operations of the Wisconsin State Laboratory of Hygiene.
- C. Citizens who have questions for board members should ask these questions prior to the board meeting, during any recess during the board proceedings, or after board adjournment.
- D. Written requests to appear before the WSLH Board of Directors should be submitted <u>no</u> <u>later than two (2) working days</u> prior to a scheduled board meeting.
- E. Submit written requests to: Secretary, Wisconsin State Laboratory of Hygiene Board of Directors C/O WSLH Director 465 Henry Mall Madison, WI 53706 Telephone: (608) 890-0288 Email: <u>charles.brokopp@slh.wisc.edu</u>

#### **BUSINESS ITEMS**

#### Item 4. BOARD MEMBERS' MATTERS

#### **Description of the Item:**

Board Members' Matters will present board members with the opportunity to ask questions and/or discuss issues related to the Wisconsin State Laboratory of Hygiene.

- 1) Agency Updates
  - a. UW
  - b. DHS
  - c. DNR
  - d. DATCP

#### **Suggested Board Action:**

Receive for information.

#### **Staff Recommendations and Comments:**

Receive for information.

#### **BUSINESS ITEMS**

#### Item 5. SCIENTIFIC PRESENTATIONS

#### **Description of the Items:**

#### IT PROJECTS UPDATE:

1) Linda Johnson, Interim Director, Office of Information Systems, and Steve Marshall, Assistant Director (WSLH) will be providing an update to the Board on key IT projects.

#### **INFLUENZA PROJECT WITH CDC:**

1) Dr. Peter Shult, Director, Communicable Disease Division, WSLH, will be providing the Board with an update on a collaborative project with the Centers for Disease Control and Prevention on influenza.

#### **Suggested Board Action:**

Receive for information.

#### **Staff Recommendations and Comments:**

Receive for information.

#### Latter and Advantages and Advantages

## APHL/CDC Pilot Trumps WGS File Size for Fast Exchange of Flu Data

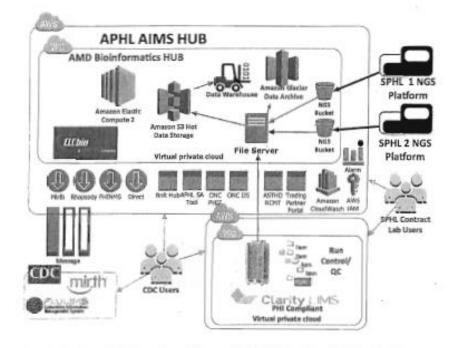
SAVED TOPICS: APHL, Informatics

Advanced molecular detection promises advances in both laboratory and epidemiological practice, especially in the area of whole genome sequencing (WGS). In the spring of 2015, APHL and CDC initiated a pilot project, in collaboration with the Wisconsin State Laboratory of Hygiene (WSLH), to exchange WGS data between APHL Influenza Reference Centers and CDC. The result is an elegantly simple deployment of technological tools that, when integrated, create an accessible environment for data exchange, management and analysis of WGS data.

#### 13 GB and Counting

But this solution was not easily achieved. From the outset, the challenges of a new technology that generates a 13 GB file with a single full run were evident: data storage, inadequate broadband speeds and infrastructure, CDC firewall restrictions, expensive bloinformatics tools and long -term archiving support. To address these issues, APHL worked closely with the WSLH and CDC's Influenza Division to explore and pilot WGS data exchange options between the Influenza Reference Centers and CDC.

The multi-faceted solution relies on the APHL Informatics Messaging Services (AIMS) environment. Developed by APHL with CDC support, the AIMS platform was designed to enable public health entities to share data efficiently and securely with diverse messaging partners. Since then, it has evolved into a stable and secure environment whose application and platform services reside in the Amazon Web Services cloud environment.



The solution begins with the transfer of Wisconsin WGS data using AWS Simple Storage Service

## SAVE PRINT SEND

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#### COMTACT

PATINA ZARCONE

Director, Informatics 240,485.2788 patina.zarcone@aphLorg (S3) client – a tool that simplifies the uploading and downloading of WGS data to AIMS via a clientside application. Once the data is secured on AIMS, raw sequence files are available to CDC. These files will ultimately be available to submitting reference center labs through a simple file management service.

WGS raw data can then be transferred to bioinformatics tools for data analysis and to a separately managed/secured AWS cloud-based instance of Clarity LIMS to support quality control and run management. After two to three weeks, data can be transferred to AWS Glacier for long-term archiving and online backup.

#### **Promising Results**

The pilot project has shown very promising results. Large, multi-gigabit data files are available to trading partners in only a few minutes, a process that often took several days previously. Analysis is faster and analytical results, notes and updates are shared among all participants simultaneously from a central data source. Data is secured in a centralized environment using processes and procedures that comply with multiple federal standards.

The APHL/CDC Whole Genome Sequencing Data Exchange project holds great promise for innovation, data exchange, data availability and analytics. As it advances over the next year, APHL and CDC will add other reference centers and laboratories with the goal of making the system available to all public health laboratories. In addition, the partners plan to expand the scope beyond influenza to include several other pathogens.

## Building a Better Flu Vaccine



As this past flu season showed, determining exactly which strains of influenza virus to include in the annual flu vaccine can be tricky. And with influenza's high infection and death rate and its ability to mutate, these decisions can be life or death.

Looking for a way to speed up the process to know exactly what influenza viruses are circulating, the Centers for Disease Control and Prevention (CDC) is funding a 3-year project at the Wisconsin State Laboratory of Hygiene (WSLH) to pilot Next Generation whole genome sequencing of influenza viruses submitted for surveillance from Wisconsin and other states.

The WSLH is the first state public health laboratory in the country to collaborate with the CDC on this cutting-edge technology. The WSLH has been 1 of 3 CDC-designated Influenza Reference Public Health Labs since 2009.

Genetic characterization of influenza viruses is important both for monitoring genetic drift (how the virus may be changing) and for selecting the virus strains to include in influenza vaccines. Next Generation Sequencing (NGS) in state public health laboratories could potentially shave months off the process.

CDC staff recently spent two weeks at the WSLH training virology laboratory staff on the new technology and working with IT staff to establish a secure data pipeline to CDC that can handle the large amounts of data that is generated from sequencing.

Date: April 3rd, 2015

17

### **BUSINESS ITEMS**

#### Item 6. FY16 FIRST QUARTER REPORT

#### **Description of the Item:**

Marie Ruetten, Financial Manager, WSLH, will provide the financial report to the Board.

<u>Suggested Board Action:</u> Review attached budget information and provide input.

### **Staff Recommendations and Comments:**

Receive for information.

## Contents

### WISCONSIN STATE LABORATORY OF HYGIENE

### FINANCIAL REPORT

#### FIRST QUARTER FISCAL YEAR 2016

September 30, 2015

Contents

#### FINANCIAL STATEMENTS

Statement of income

Comparative income statement

Comparative balance sheet

Statement of cash flows

Notes to the financial statements

#### WISCONSIN STATE LABORATORY OF HYGIENE STATEMENT OF INCOME For the period July 1, 2015 through September 30, 2015

| SUPPORT AND REVENUE                      |    | FY 16<br>PPROVED<br>ANNUAL<br>BUDGET | -  | FY16<br>ÆAR- TO-<br>DATE<br>BUDGET | -  | FY16<br>EAR-TO-<br>DATE<br>ACTUAL | <br>ARIANCE<br>ver/(Under) | VARIANCE<br>% of<br>BUDGET |
|------------------------------------------|----|--------------------------------------|----|------------------------------------|----|-----------------------------------|----------------------------|----------------------------|
| SUPPORT AND REVENUE                      |    |                                      |    |                                    |    |                                   |                            |                            |
| Laboratory Services Revenues (Note 3)    |    |                                      |    |                                    |    |                                   |                            |                            |
| Agency                                   | \$ | 6,353,127                            | \$ | 1,584,728                          | \$ | 1,507,920                         | \$<br>(76,808)             | -4.8%                      |
| Nonagency                                |    | 18,889,145                           |    | 4,730,226                          |    | 4,484,267                         | (245,959)                  | -5.2%                      |
| GPR Funding                              |    | 11,300,000                           |    | 2,831,513                          |    | 2,804,371                         | (27,142)                   | -1.0%                      |
| OWI Fund Revenues                        |    | 1,605,900                            |    | 419,605                            |    | 456,027                           | 36,422                     | 8.7%                       |
| Grant Funding                            |    | 5,489,180                            |    | 1,357,753                          |    | 1,351,616                         | (6,137)                    | -0.5%                      |
| Interest Income                          |    | 8,400                                |    | 2,100                              |    | 3,557                             | 1,457                      | 69.4%                      |
| TOTAL SUPPORT AND REVENUE                |    | 43,645,752                           |    | 10,925,925                         |    | 10,607,758                        | (318,167)                  | -2.9%                      |
| EXPENSES                                 |    |                                      |    |                                    |    |                                   |                            |                            |
| Salaries                                 |    | 18,271,076                           |    | 4,298,661                          |    | 4,311,224                         | 12,563                     | 0.3%                       |
| Fringe Benefits                          |    | 7,407,261                            |    | 2,069,854                          |    | 2,026,421                         | (43,433)                   | -2.1%                      |
| Supplies & Services                      |    | 13,430,389                           |    | 3,206,284                          |    | 3,196,820                         | (9,464)                    | -0.3%                      |
| Transfer Overhead to UW                  |    | 839,805                              |    | 201,456                            |    | 204,010                           | 2,554                      | 1.3%                       |
| Building Rent                            |    | 2,557,470                            |    | 583,560                            |    | 600,852                           | 17,292                     | 3.0%                       |
| Depreciation                             |    | 1,830,027                            |    | 439,621                            |    | 467,203                           | 27,582                     | 6.3%                       |
| Bad Debt Expense                         |    | 24,000                               |    | 6,000                              |    | 3,321                             | (2,679)                    | -44.7%                     |
| Interest Expense                         |    | 1,200                                |    | 300                                |    | 663                               | 363                        | 121.0%                     |
| Loss From Disposal Of Assets             |    | -                                    |    | -                                  |    | 905                               | 905                        |                            |
| TOTAL EXPENSES                           |    | 44,361,228                           |    | 10,805,736                         |    | 10,811,419                        | 5,683                      | 0.1%                       |
| NET OPERATING INCOME OR (LOSS)           | \$ | (715,476)                            | \$ | 120,189                            | \$ | (203,661)                         | \$<br>(323,850)            |                            |
| Difference btwn Depreciation and Capital |    | 715,476                              |    | 178,869                            |    | 277,630                           | 98,761                     |                            |
| MODIFIED NET OPERATING INCOME OR (LOSS)  | \$ | -                                    | \$ | 299,058                            | \$ | 73,969                            | \$<br>(225,089)            |                            |

#### WISCONSIN STATE LABORATORY OF HYGIENE COMPARATIVE INCOME STATEMENT For the 3 months ended September 30, 2015 and September 30, 2014

| SUPPORT AND REVENUE                      | 3 Months<br>ctual FY16 | 3 Months<br>Actual FY15 | Variance<br>/er/(Under) | Percentage<br>Change |
|------------------------------------------|------------------------|-------------------------|-------------------------|----------------------|
| Laboratory Services Revenues (Note 3)    |                        |                         |                         |                      |
| Agency                                   | \$<br>1,507,920        | \$<br>1,330,024         | \$<br>177,896           | 13.4%                |
| Nonagency                                | 4,484,267              | 4,887,866               | (403,599)               | -8.3%                |
| GPR Funding                              | 2,804,371              | 2,793,747               | 10,624                  | 0.4%                 |
| OWI Fund Revenues                        | 456,027                | 509,245                 | (53,218)                | -10.5%               |
| Grant Funding                            | 1,351,616              | 1,367,171               | (15,555)                | -1.1%                |
| Interest Income                          | <br>3,557              | 2,646                   | 911                     | 34.4%                |
| TOTAL SUPPORT AND REVENUE                | 10,607,758             | 10,890,699              | (282,941)               | -2.6%                |
| EXPENSES                                 |                        |                         |                         |                      |
| Salaries                                 | 4,311,224              | 4,453,589               | (142,365)               | -3.2%                |
| Fringe Benefits                          | 2,026,421              | 2,010,393               | 16,028                  | 0.8%                 |
| Supplies & Services                      | 3,196,820              | 3,093,266               | 103,554                 | 3.3%                 |
| Transfer Overhead to UW                  | 204,010                | 205,656                 | (1,646)                 | -0.8%                |
| Building Rent                            | 600,852                | 541,921                 | 58,931                  | 10.9%                |
| Depreciation                             | 467,203                | 492,879                 | (25,676)                | -5.2%                |
| Bad Debt Expense                         | 3,321                  | 14,239                  | (10,918)                | -76.7%               |
| Interest Expense                         | 663                    | 1,039                   | (376)                   | -36.2%               |
| Loss From Disposal Of Assets             | <br>905                | -                       | 905                     |                      |
| TOTAL EXPENSES                           | <br>10,811,419         | 10,812,982              | (1,563)                 | 0.0%                 |
| NET OPERATING INCOME OR (LOSS)           | \$<br>(203,661)        | \$<br>77,717            | \$<br>(281,378)         |                      |
| Difference btwn Depreciation and Capital | <br>277,630            | 205,387                 | 72,243                  |                      |
| MODIFIED NET OPERATING INCOME OR (LOSS)  | \$<br>73,969           | \$<br>283,104           | \$<br>(209,135)         |                      |

#### WISCONSIN STATE LABORATORY OF HYGIENE COMPARATIVE BALANCE SHEET As of September 30, 2015 and June 30, 2015

#### ASSETS

| ASSETS                                      |                    |               |
|---------------------------------------------|--------------------|---------------|
|                                             | September 30, 2015 | June 30, 2015 |
| CURRENT ASSETS                              |                    |               |
| Cash                                        | \$ 9,882,331       | \$ 8,918,171  |
| Cash-restricted-newborn screening surcharge | 2,144,236          | 1,880,797     |
| Net accounts receivables (Note 2)           | 3,043,419          | 3,764,249     |
| Other receivables                           | 200,032            | 830,324       |
| Inventories                                 | 75,306             | 66,402        |
| Prepaid expenses                            | 375,029            | 219,915       |
| Total current assets                        | 15,720,353         | 15,679,858    |
| EQUIPMENT AND BUILDING IMPROVEMENTS         |                    |               |
| Equipment                                   | 25,203,175         | 25,203,234    |
| Building improvements                       | 7,221,347          | 7,221,347     |
|                                             | 32,424,522         | 32,424,581    |
| Less accumulated depreciation               | (22,664,836)       | (22,381,321)  |
| Total net fixed assets                      | 9,759,686          | 10,043,260    |
| Total Assets                                | \$ 25,480,039      | \$ 25,723,118 |
| LIABILITIES AND EQUITY                      |                    |               |
| CURRENT LIABILITIES                         |                    |               |
| Salaries payable                            | \$ 123,521         | \$ 544,580    |
| Accounts payable                            | 673,589            | 298,411       |
| Newborn screening surcharge payable         | 2,144,236          | 1,880,797     |
| Accrued expenses                            | 232,890            | 437,498       |
| Notes Payable - current                     | 89,350             | 94,390        |
| Proficiency testing deferred revenue        | 979,154            | 1,023,877     |
| Newborn screening deferred revenue          | 2,222,993          | 2,225,598     |
| Compensated Absences (Note 5)               | 668,222            | 695,205       |
| Total current liabilities                   | 7,133,955          | 7,200,356     |
|                                             | ,,                 | ,,            |
| LONG TERM DEBT                              |                    |               |
| Compensated Absences (Note 5)               | 1,649,847          | 1,587,530     |
| Total long term debt                        | 1,649,847          | 1,587,530     |
| Total Liabilities                           | 8,783,802          | 8,787,886     |
| EQUITY                                      |                    |               |
| Retained earnings-restricted (Note 4)       |                    |               |
| Operating contingency                       | 1,899,682          | 2,282,927     |
| Total restricted retained earnings          | 1,899,682          | 2,282,927     |
| Net Operating Income or (Loss)              | (203,661)          | (2,034,642)   |
| Retained earnings-unrestricted              | 9,584,803          | 11,271,534    |
| Contributed capital                         | 5,415,413          | 5,415,413     |
| Total unrestricted retained earnings        | 14,796,555         | 14,652,305    |
| Total Equity                                | 16,696,237         | 16,935,232    |
| Total Liabilities and Equity                | \$ 25,480,039      | \$ 25,723,118 |
| Contingency Funding                         | 8,586,398          | 8,479,502     |

#### WISCONSIN STATE LABORATORY OF HYGIENE STATEMENT OF CASH FLOWS For the Period, July 1, 2015 through September 30, 20

## For the Period July 1, 2015 through September 30, 2015

#### CASH FLOWS FROM OPERATING ACTIVITIES

| Nethers                                                                                                                                                                                                                                                                      | ٠  | (000 004)              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------|
| Net income                                                                                                                                                                                                                                                                   | \$ | (203,661)              |
| Adjustments to reconcile net income to net cash provided by                                                                                                                                                                                                                  |    |                        |
| operating activities:                                                                                                                                                                                                                                                        |    | 467 000                |
| Depreciation                                                                                                                                                                                                                                                                 |    | 467,203                |
| Changes in working capital components:                                                                                                                                                                                                                                       |    | 700.000                |
| Decrease in net accounts receivables                                                                                                                                                                                                                                         |    | 720,830                |
| Decrease in other receivables                                                                                                                                                                                                                                                |    | 630,292                |
| (Increase) in inventories                                                                                                                                                                                                                                                    |    | (8,904)                |
| (Increase) in prepaid expenses                                                                                                                                                                                                                                               |    | (155,114)              |
| (Decrease) in salaries payable                                                                                                                                                                                                                                               |    | (421,059)              |
| Increase in accounts payable                                                                                                                                                                                                                                                 |    | 375,178                |
| Increase in newborn screening surcharge payable                                                                                                                                                                                                                              |    | 263,439                |
| (Decrease) in accrued expenses                                                                                                                                                                                                                                               |    | (204,608)              |
| (Decrease) in notes payable - current                                                                                                                                                                                                                                        |    | (5,040)                |
| (Decrease) in proficiency testing deferred revenue                                                                                                                                                                                                                           |    | (44,723)               |
| (Decrease) in newborn screen deferred revenue                                                                                                                                                                                                                                |    | (2,605)                |
| Net cash provided (used) in operating activities                                                                                                                                                                                                                             |    | 1,411,228              |
|                                                                                                                                                                                                                                                                              |    |                        |
| CASH FLOWS FROM INVESTING ACTIVITIES                                                                                                                                                                                                                                         |    |                        |
| CASH FLOWS FROM INVESTING ACTIVITIES<br>Purchase of equipment and physical plant improvements                                                                                                                                                                                |    | (183,629)              |
|                                                                                                                                                                                                                                                                              |    | (183,629)<br>(183,629) |
| Purchase of equipment and physical plant improvements Net cash (used in) investing activities CASH FLOWS FROM FINANCING ACTIVITIES                                                                                                                                           |    | <u> </u>               |
| Purchase of equipment and physical plant improvements<br>Net cash (used in) investing activities                                                                                                                                                                             |    | <u> </u>               |
| Purchase of equipment and physical plant improvements Net cash (used in) investing activities CASH FLOWS FROM FINANCING ACTIVITIES                                                                                                                                           |    | <u> </u>               |
| Purchase of equipment and physical plant improvements<br>Net cash (used in) investing activities<br>CASH FLOWS FROM FINANCING ACTIVITIES<br>Principal payment on Capital Lease                                                                                               |    | <u> </u>               |
| Purchase of equipment and physical plant improvements<br>Net cash (used in) investing activities<br><b>CASH FLOWS FROM FINANCING ACTIVITIES</b><br>Principal payment on Capital Lease<br>Net cash provided (used in) financing activities<br>Net increase (decrease) in cash |    | (183,629)<br>          |
| Purchase of equipment and physical plant improvements<br>Net cash (used in) investing activities<br><b>CASH FLOWS FROM FINANCING ACTIVITIES</b><br>Principal payment on Capital Lease<br>Net cash provided (used in) financing activities                                    |    | (183,629)<br>          |
| Purchase of equipment and physical plant improvements Net cash (used in) investing activities CASH FLOWS FROM FINANCING ACTIVITIES Principal payment on Capital Lease Net cash provided (used in) financing activities Net increase (decrease) in cash Cash:                 |    | (183,629)<br>          |

#### WISCONSIN STATE LABORATORY OF HYGIENE NOTES TO THE FINANCIAL STATEMENTS For the period July 1, 2015 through September 30, 2015

#### NOTE 1 -NATURE OF BUSINESS AND SIGNIFICANT ACCOUNTING POLICIES

Nature of Business:

The Wisconsin State Laboratory of Hygiene (WSLH) is a governmental institution which provides medical, industrial and environmental laboratory testing and related services to individuals, private and public agencies, including the Department of Natural Resources (DNR) and the Department of Health Services (DHS). Approximately 75% of the WSLH operating revenues are program revenues, including contracts, grants, and fee-for-service billing. The remainder are general purpose revenues (GPR), which are Wisconsin state general fund dollars.

#### **Budgetary Data:**

Fiscal Year 2015-2016 operating budget amounts were approved by the WSLH Board on June 23, 2015.

#### Basis of Presentation:

- The financial statements have been prepared on a modified accrual basis following Generally Accepted Accounting Principles (GAAP).

Basis of Accounting:

- Revenues are recognized at the completion of the revenue generating processes. Fee-forservice revenues are generally recognized in the period services are completed.
- Revenues from GPR, OWI, Grants, and expense reimbursement contracts for salaries, fringe benefits, capital, and supplies are recognized as expended.
- Expenses are recognized and accrued when the liability is incurred.

#### Estimates and assumptions:

 The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying footnotes. Actual results could differ from those estimates.

#### Assets:

- Cash is considered restricted if, by prior agreement with an outside entity, it must be segregated for future use by the outside entity or by WSLH at the outside entity's behest. As of September 30, 2015 available cash is restricted in an amount equal to the newborn screening surcharge payable to the Wisconsin Department of Health Services.
- Accounts receivable are reported at net realizable value. Net realizable value is equal to the gross amount of receivables less an estimated allowance for uncollectible amounts.
- Inventory is stated at cost (first in, first-out method).
- Equipment and building improvements are carried at cost. Expenditures for assets in excess of \$5,000 are capitalized. Depreciation is computed by the straight-line method.

#### Liabilities

A liability for unearned revenue is recognized for prepaid receipts for WSLH-provided Proficiency Testing programs and for prepaid newborn screening tests.

#### NOTE 2- ACCOUNTS RECEIVABLE

Accounts receivable and allowance for uncollectible account balances as of September 30, 2015 and June 30, 2015 are as follows:

|                           | <u>September 30, 2015</u> | <u>June 30, 2015</u> |
|---------------------------|---------------------------|----------------------|
| Accounts Receivable Total | \$3,471,705               | \$4,255,019          |
| Allowance for bad debt    | (428,286)                 | (490,770)            |
| Net Receivables           | \$3,043,419               | \$3,764,249          |

#### **NOTE 3- LABORATORY SERVICES REVENUES**

At the Board's request, Laboratory Service Revenues on the Income Statement have been divided into two groups, Agency and Non-Agency, as follows:

#### Agency:

- Department of Natural Resources Department of Health Services Department of Agriculture, Trade and Consumer Protection University of Wisconsin Office of Justice Assistance Wisconsin Emergency Management Non-Agency: UW Hospital Authority
  - UW Hospital Authority Medicare and Medicaid Municipalities Law Enforcement Agencies Proficiency Testing Newborn Screening All other revenues from individuals, businesses, clinics, and hospitals.

#### **NOTE 4- RETAINED EARNINGS - RESTRICTED**

The operating contingency is computed annually and reflects two months of salary and fringe benefit cost for positions funded from program revenues. The contingency fund is considered adequately funded if working capital is greater than the contingency fund restriction. As of September 30, 2015 working capital (current assets less current liabilities) was \$8,586,398 thereby meeting the target contingency reserve requirement of \$1,899,682.

#### **NOTE 5- COMPENSATED ABSENCES**

- GASB Statement No. 16, "Accounting for Compensated Absences," establishes standards of accounting and reporting for compensated absences by state and local governmental entities for which employees will be paid such as vacation, sick leave, and sabbatical leave. Using the criteria in Statement 16, a liability for compensated absences that is attributable to services already rendered and that is not contingent on a specific event that is outside the control of the State and its employees has been accrued. The table below details the liability by benefit category:

|         | Total       | Vacation  | Pers Hol  | Legal<br>Hol | Comp<br>Time | Sabbatical  |
|---------|-------------|-----------|-----------|--------------|--------------|-------------|
| Current | \$668,222   | \$449,903 | \$114,430 | \$1,184      | \$3,769      | \$98,936    |
| Long    |             |           |           |              |              |             |
| Term    | 1,649,847   | -         | -         | -            | -            | 1,649,847   |
|         | \$2,318,069 | \$449,903 | \$114,430 | \$1,184      | \$3,769      | \$1,748,783 |

#### **BUSINESS ITEMS**

#### Item 7. STRATEGIC MAP UPDATE

#### **Description of the Item:**

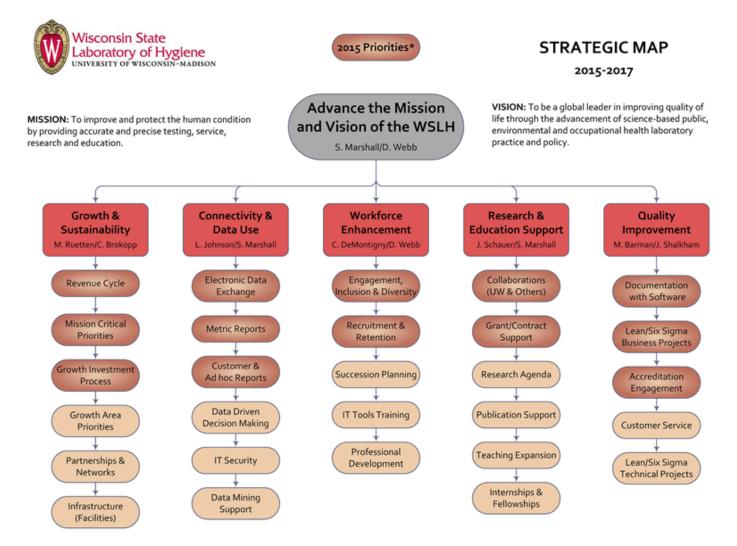
Steve Marshall, Assistant Director, WSLH, will provide an update to the Board on the new Strategic Map and the 2015 priorities.

#### **Suggested Board Action:**

Receive for information.

#### **Staff Recommendations and Comments:**

Receive for information.



\*2015 priorities chosen based on relative importance, projects already underway, and progression to other objectives.

Last Updated 1/12/2015

#### **BUSINESS ITEMS**

#### Item 8. **CONTRACTS REPORT**

#### **Description of the Item:**

The table on the following page contains the major grants and contracts that have been received since the last Board meeting. Dr. Brokopp or other staff will be available to provide more details on these grants and contracts.

#### **Suggested Board Action:**

Receive for information.

<u>Staff Recommendations and Comments:</u> There are no contracts requiring board approval.

# WSLH CONTRACTS FALL 2015

| CUSTOMER                                                                          | CONTRACT<br>NAME            | <mark>START</mark><br>DATE | END<br>DATE | ACCOUNT NAME                        | SCOPE OF WORK                                                                                                                                                                                                                                                                                                                                                              | AWARD<br>AMOUNT | WSLH<br>DEPT |
|-----------------------------------------------------------------------------------|-----------------------------|----------------------------|-------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|
| Department of<br>Health and Human<br>Services, Food<br>and Drug<br>Administration | 1U18FD005528                | 1-Sep-15                   | 31-Aug-16   | WSLH 2015-20120<br>FDA FERN COOP    | Add to the<br>capability of the<br>U.S. Food and Drug<br>Administration's<br>Food Emergency<br>Response Network<br>(Year 1 of 5)                                                                                                                                                                                                                                           | \$ 240,000.00   | EHD          |
| The Nature<br>Conservancy                                                         | P104124                     | 1-Oct-15                   | 30-Sep-15   | TNC NC015<br>PECATONICA             | Water sampling for<br>WI Buffer Initiative<br>sites near<br>Hollandale and<br>Blanchardville, WI.<br>Includes samples<br>taken below the<br>Ridgeway Waste<br>Water Treatment<br>Plant. Testing for<br>Suspended<br>Sediment, Total P,<br>and Dissolved P.                                                                                                                 | \$ 12,600.00    | EHD          |
| UT BATTELLE,<br>LLC                                                               | 4000138916<br>MOD 1         | 5-Apr-15                   | 31-Mar-19   | OAK RIDGE<br>NATIONAL<br>LABORATORY | X-RAY Diff Air testing.                                                                                                                                                                                                                                                                                                                                                    | \$ 25,000.00    | OHSD         |
| Wisconsin<br>Department of<br>Health Services                                     | CARS 110128<br>26236646 680 | 1-Jul-15                   | 30-Jun-16   | WDHS CARS<br>COLPOSCOPY             | Subcontracted<br>services with<br>Health Care<br>Education and<br>Training Inc<br>(HCET). Supports<br>colposcopies and<br>other services as<br>part of the<br>Women's Health<br>Program's cervical<br>cancer screening<br>and treatment<br>services,<br>particularly in rural<br>WI counties and<br>communities<br>designated as<br>Health Professional<br>Shortage Areas. | \$ 66,800.00    | DPD          |

| Wisconsin<br>Department of<br>Health Services | BIO<br>RESPONSE<br>BIOLOGICAL-<br>CHEMICAL<br>BP4     | 1-Jul-15 | 30-Jun-16 | WDHS BIOLOGICAL<br>RESPONSE | Ongoing biological<br>testing capabilities<br>and capacity.<br>Funds maintain<br>relevant laboratory<br>support for<br>identification of<br>biological,<br>chemical,<br>radiological and<br>nuclear agents in<br>clinical,<br>environmental and<br>food specimens.<br>These funds also<br>support the<br>exchange of<br>laboratory testing<br>orders and results<br>and ensure staffing<br>to respond to<br>emergencies. | \$ 704,176.00   | CDD |
|-----------------------------------------------|-------------------------------------------------------|----------|-----------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|
| Wisconsin<br>Department of<br>Health Services | CHEM LEVEL<br>1<br>BIOLOGICAL-<br>CHEMICAL<br>BP4     | 1-Jul-15 | 30-Jun-16 | WDHS CHEM LEVEL             | Ongoing biological<br>testing capabilities<br>and capacity.<br>Funds maintain<br>relevant laboratory<br>support for<br>identification of<br>biological,<br>chemical,<br>radiological and<br>nuclear agents in<br>clinical,<br>environmental and<br>food specimens.<br>These funds also<br>support the<br>exchange of<br>laboratory testing<br>orders and results<br>and ensure staffing<br>to respond to<br>emergencies. | \$ 108,795.00   | EHD |
| Wisconsin<br>Department of<br>Health Services | CHEM LEVEL<br>1 LAB<br>PASSTHROUG<br>H BIOCHEM<br>BP4 | 1-Jul-15 | 30-Jun-16 | WDHS CHEM LEVEL<br>1 LAB    | Ongoing chemical<br>testing capabilities<br>and capacity as a<br>Level One surge<br>laboratory in the<br>CDC LRN-C. WSLH<br>shall be able to<br>respond and<br>provide training<br>and consultation to<br>clinical<br>laboratories and<br>hospitals for<br>chemical testing.                                                                                                                                             | \$ 1,445,235.00 | EHD |
| Wisconsin<br>Department of<br>Health Services | FAF 60196                                             | 1-Jul-15 | 30-Jun-16 | WDHS CSTE IISP              | Provide specimen<br>collection supplies<br>to participating<br>IISP clinics;<br>provide diagnostic<br>testing and<br>subtyping for<br>influenza A & B<br>viruses; provide<br>testing via<br>GenMark eSensor.                                                                                                                                                                                                             | \$ 50,600.00    | CDD |

| Wisconsin<br>Department of<br>Health Services | FAF 60205 | 1-Aug-15 | 31-Jul-16 | WDHS ELC EBOLA       | WSLH writes<br>Biosafety<br>guidelines and<br>SOPs for Ebola and<br>EDI handling.<br>WSLH will provide<br>a summary of<br>results from initial,<br>routine and<br>emergency<br>biosafety risk<br>assessments<br>performed. WSLH<br>complies biosafety<br>related tools and<br>resources, creates<br>a summary of<br>exercises and<br>trainings offered by<br>WSLH and<br>conducts three (3)<br>regional biosafety<br>workshops.                                                                                                                                                                                     | \$ 114,642.00 | CDD |
|-----------------------------------------------|-----------|----------|-----------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|
| Wisconsin<br>Department of<br>Health Services | FAF 60203 | 1-Aug-15 | 31-Jul-16 | WDHS ELC<br>ENTERICS | FoodCORE<br>Progress Report;<br>ELC Progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$ 337,252.00 | CDD |
|                                               |           |          |           |                      | Reports; Travel for<br>(2) staff to InFORM<br>meeting; Travel for<br>(1) staff to<br>CaliciNet meeting;<br>Travel for (1) staff<br>to FoodCORE<br>meeting; Travel for<br>(1) staff to CDC-<br>NGS training. Also<br>Enteric pathogen<br>testing, Norovirus<br>pathogen testing,<br>and specimen<br>transport.                                                                                                                                                                                                                                                                                                       |               |     |
| Wisconsin<br>Department of<br>Health Services | FAF 60206 | 1-Aug-15 | 31-Jul-16 | WDHS ELC HAI         | Conduct testing for<br>mechanisms of<br>carbapenemase<br>production.<br>Perform PFGE<br>testing among<br>carbapenemase<br>producing isolates<br>to aid in healthcare<br>transmission.<br>Conduct active<br>surveillance for<br>CRE colonization.<br>Validate and<br>implement a CDC<br>developed PCR<br>assay to detect the<br>presence of VIM<br>genes among CRE<br>isolates. Establish<br>a CRE proficiency<br>testing program for<br>state health<br>laboratories.<br>Establish<br>regionalized<br>testing for<br>enhancement of<br>CRE surveillance,<br>Provide an annual<br>update for CRE<br>surveillance and | \$ 173,673.00 | CDD |

|                                               |           |          |           |                                | testing activities<br>available to all WI<br>clinical<br>laboratories.                                                                                                                                                                                                                                                                                                                                  |              |     |
|-----------------------------------------------|-----------|----------|-----------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|
| Wisconsin<br>Department of<br>Health Services | FAF 60197 | 1-Aug-15 | 31-Jul-16 | WDHS INFLUENZA<br>SURVEILLANCE | ELC progress<br>reports for<br>Influenza<br>surveillance and<br>diagnostic testing.<br>Covers 50% of one<br>senior<br>microbiologist.                                                                                                                                                                                                                                                                   | \$ 39,315.00 | CDD |
| Wisconsin<br>Department of<br>Health Services | FAF 60202 | 1-Aug-15 | 31-Jul-16 | WDHS ELC<br>MOLECULAR/AMD      | Equipment<br>purchase (Ultra low<br>(-80C) upright<br>freezer) and whole<br>genome<br>sequencing results<br>for outbreak<br>isolates.                                                                                                                                                                                                                                                                   | \$ 13,930.00 | CDD |
| Wisconsin<br>Department of<br>Health Services | FAF 60182 | 1-Aug-15 | 31-Jul-16 | WDHS ELC<br>PARASITIC          | Development and<br>implementation of<br>probe-based PCR<br>assay for detection<br>and speciation of<br>Plasmodium sp. In<br>blood samples;<br>PCR testing of all<br>Babesia found in<br>blood samples<br>identified by<br>microscopic exam<br>to identify B. micro.                                                                                                                                     | \$ 5,725.00  | CDD |
| Wisconsin<br>Department of<br>Health Services | FAF 60200 | 1-Aug-15 | 31-Jul-16 | WDHS ELC VPD                   | Perform testing for<br>N. meningitides<br>and H. influenza on<br>isolates received<br>and perform PCR<br>testing on CSF<br>samples received;<br>perform antibiotic<br>susceptibility and<br>serotyping on all<br>isolates received;<br>archive all received<br>isolates; package<br>and ship all<br>isolates to CDC for<br>national<br>surveillance twice<br>per grant year and<br>individual isolates. | \$ 21,434.00 | CDD |
| Wisconsin<br>Department of<br>Health Services | FAF 60198 | 1-Aug-15 | 31-Jul-16 | WDHS ELC<br>WATERBORNE         | Deliver ELC<br>progress reports;<br>provide waterborne<br>disease diagnostic<br>testing as<br>requested; for<br>cryptosporidium<br>and legionella.                                                                                                                                                                                                                                                      | \$ 11,123.00 | CDD |

| Wisconsin<br>Department of<br>Health Services | FAF 60199 | 1-Aug-15 | 31-Jul-16 | WDHS ELC WEST<br>NILE | POW IgM and JC<br>IgM testing of<br>patient specimens<br>from 2015 and any<br>archived samples<br>with compatible<br>symptoms to<br>validate testing, | \$<br>10,000.00 | CDD |
|-----------------------------------------------|-----------|----------|-----------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|
|                                               |           |          |           |                       | case recognition,<br>and acquire<br>positive controls.                                                                                                |                 |     |

#### **BUSINESS ITEMS**

Item 9. DIRECTOR'S REPORT

- A. FY16 Meeting Calendar
- B. Public or Environmental Health Incidents of Educational Interest
- C. Water Systems Report
- D. OSHA Laboratory and Consultation Contracts Renewed
- E. Cytotechnology Program Accreditation for 3 years
- F. WSLH Expands Viral and Bacterial Meningitis Proficiency Test Panels
- G. Paris System for Reporting Urinary Cytology / Bethesda System for Reporting
   Cervical Cytology Dr. Daniel Kurtycz
- H. Academic Promotions, Appointments and Fellowships
- I. Dr. Curtis Hedman and David Rogers publish method for floroquinolones in fish tissues using solid phase extraction
- J. Laboratory Inspections and Accreditations
- K. Food Emergency Response Network Grant FDA \$240,000/year x 5 years
- L. APHL Awards \$20,000 NBS Training Grant to WSLH Dr. Patrice Held
- M. Update on "new " laboratory
- N. Laura Liddicoat to receive the 2016 Robert F. Borkenstein Award from the National Safety Council
- O. Dr. Brokopp inducted into the Delta Omega Honorary Society for excellence in public health
- P. Occupational Health Lab Customer appreciation
- Q. Board Governance
- R. WSLH retirees come back for a visit

## WISCONSIN STATE LABORATORY OF HYGIENE BOARD OF DIRECTORS FY16 MEETING CALENDAR

| February 16, 2016                                                                                     | April 19, 2016                                                                                         |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 1:00 – 4:00 p.m.                                                                                      | 1:00 – 4:00 p.m.                                                                                       |
| Wisconsin State Laboratory of Hygiene                                                                 | Wisconsin State Laboratory of Hygiene                                                                  |
| 2601 Agriculture Drive, Madison, WI                                                                   | 2601 Agriculture Drive, Madison, WI                                                                    |
| <ul> <li>Present FY16 2<sup>nd</sup> quarter report</li> <li>Review meeting dates for year</li> </ul> | <ul> <li>Present FY16 3<sup>rd</sup> quarter report</li> <li>Submit FY17 preliminary budget</li> </ul> |
| June 21, 2016                                                                                         | August 23, 2016                                                                                        |
| 1:00 – 4:00 p.m.                                                                                      | 1:00 – 4:00 p.m.                                                                                       |
| Wisconsin State Laboratory of Hygiene                                                                 | Wisconsin State Laboratory of Hygiene                                                                  |
| 2601 Agriculture Drive, Madison, WI                                                                   | 2601 Agriculture Drive, Madison, WI                                                                    |
| <ul> <li>Approve FY17 budget</li> </ul>                                                               | Present FY16 year-end closeout report                                                                  |

## Report to the Wisconsin State Laboratory of Hygiene Board

### Representative Public or Environmental Health Incidents of Educational Interest For the Period August 3 – Oct. 23, 2015

| Approx. Date       | Agent or Event<br>Name                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Current<br>Status |  |  |  |  |  |
|--------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|--|--|--|--|
|                    | OUTBREAKS and INCIDENTS                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |  |  |  |  |  |
| August 2015        | Blastomyces<br>dermatiditis                                                             | The WSLH assisted the WI Division of Public<br>Health (WDPH) with a blastomycosis investigation.<br>The WSLH performed sub-culture testing on<br>several patient specimens and then forwarded the<br>isolates to CDC and Marshfield Clinic for further<br>testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Complete          |  |  |  |  |  |
| August 2015        | Francisella<br>tularensis                                                               | The WSLH performed testing on a bacteria isolate recovered from patient in western Wisconsin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Complete          |  |  |  |  |  |
| August 10,<br>2015 | HazMat<br>assistance<br>strange smell in<br>residence next to<br>gas station            | Residents of a private residence located next to a<br>gas station in SE Wisconsin that was doing some<br>construction work noticed an odd smell coming<br>from their basement. Utility company and HazMat<br>responded. The utility company metered and got a<br>hit for methane. HazMat was unable to confirm for<br>methane but did get a meter reading for VOCs.<br>HazMat also indicated that they could "definitely<br>smell something". HazMat took samples using the<br>2.7L air canisters: one sample background, one at<br>the bottom of the stairs, one farther into the<br>basement. The canisters and a water sample from<br>the basement sump were delivered to the WSLH's<br>Ag Drive facility. The ESS Organics section<br>performed VOC testing on the canisters and water<br>sample. Results were consistent with gasoline, in a<br>high concentration. WOHL also performed<br>methane testing on the vapor samples; results were<br>unremarkable. | Complete          |  |  |  |  |  |
| August 14, 2015    | HazMat<br>assistance –<br>sinkhole<br>affecting<br>apartment<br>building – gas<br>smell | The WSLH received a phone call from Madison<br>HazMat regarding a sink hole incident on the east<br>side. An apartment building garage was flooded<br>due to a sinkhole collapse. Residents had been<br>removed from the property. There was a concern of<br>a gas/petroleum like odor at the site. WDHS<br>requested that HazMat sample using the unknown<br>sampling canister kit from the WSLH. Sample and<br>duplicate sample were taken at the high point in the<br>stairwell of one of the affected buildings. A<br>background sample was also taken per lab protocol.                                                                                                                                                                                                                                                                                                                                                                                        | Complete          |  |  |  |  |  |

|                    |                                                                | <ul> <li>PID readings were also taken at the site and recorded on the paperwork for the lab. The HazMat team did an excellent job packaging and documenting/communicating meter readings on the sample submittal forms.</li> <li>Initial testing at the WSLH found some very low levels of VOCs. WOHL then assisted with retesting after some clean-up/remediation efforts.</li> </ul> |          |
|--------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| August 20,<br>2015 | HazMat<br>assistance:<br>suspected<br>bromine<br>contamination | Following a death and development of symptoms in<br>a resident, Madison HazMat was dispatched to<br>investigate a suspected addition of bromine to a<br>water softener. A sample was analyzed by WSLH<br>and determined that the contamination was in fact<br>hypochloride (bleach) in a high concentration.                                                                           | Complete |
| September<br>2015  | Salmonella<br>Poona                                            | The WSLH performed bacteria and PFGE testing<br>for more than 20 Wisconsin patients as part of a<br>multistate outbreak of <i>Salmonella Poona</i> related to<br>imported cucumbers. WDPH and other state and<br>federal agencies are investigating.                                                                                                                                   | Ongoing  |
| September<br>2015  | Francisella<br>tularensis                                      | The WSLH performed testing on a bacteria isolate<br>from a patient in central Wisconsin. This case was<br>not related to the August case from western<br>Wisconsin. It's not unusual to have a few random<br><i>Francisella tularensis</i> cases a year.                                                                                                                               | Complete |
| September<br>2015  | Mumps                                                          | The WSLH performed mumps testing from a small cluster of cases associated with UW-Whitewater.                                                                                                                                                                                                                                                                                          | Complete |
| September 14, 2015 | HazMat<br>investigation:<br>Milwaukee<br>explosion             | A small explosion occurred at a Milwaukee pool<br>supply company, prompting a HazMat call.<br>Samples were received at the WSLH, but following<br>coordination with Milwaukee Health, WDPH, and<br>the Milwaukee HazMat team, it was determined<br>that no WSLH testing would be required.                                                                                             | Complete |
| October 2015       | Campylobacter                                                  | The WSLH is performing bacteria and PFGE<br>testing as part of foodborne disease investigation in<br>east central Wisconsin. WDPH, local health<br>departments and DATCP are investigating the<br>outbreak. Multiple people reported GI illness after<br>attending an event.                                                                                                           | Ongoing  |
| October 2015       | Viral Meningitis<br>Enterovirus                                | The WSLH performed testing as part of a DPH<br>investigation into a possible cluster of viral<br>meningitis cases in northern Wisconsin. All were<br>positive for enterovirus.                                                                                                                                                                                                         | Ongoing  |

|                       | <b>D</b>                                                                                           | FCENT EVENTS and FINDINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-----------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| August 3,<br>2015     | R<br>Vitamin D study<br>published–<br><i>JAMA Internal</i><br><i>Medicine</i>                      | <ul> <li>ECENT EVENTS and FINDINGS</li> <li>A clinical trial led by Dr. Karen Hansen, associate professor of medicine at the UW School of Medicine and Public Health, has shown Vitamin D supplements may be ineffective in improving bone density or bone strength in postmenopausal women.</li> <li>WSLH Trace Elements Clean Laboratory staff led by Dr. Martin Shafer performed calcium absorption studies using stable isotope testing on urine specimens from the 200+ women enrolled in the study. WSLH staff used Hi-Res ICP-MS technology to quantify concentrations and ratios of calcium isotopes. This is the gold standard dual stable calcium isotope method.</li> <li>Study results were published in JAMA Internal Medicine.</li> <li>This is the latest in a nearly decade long collaboration between Dr. Hansen and the WSLH Trace Elements Clean Lab staff and Dr. Shafer.</li> </ul> | Complete |
| August 10-12,<br>2015 | IACP Annual<br>Drug<br>Recognition<br>Expert<br>Conference                                         | WSLH Toxicologist Kimberle Glowacki and<br>Toxicology Director Amy Miles presented to<br>conference attendees in Cincinnati, OH, on drug<br>trends throughout WI and across the country. Amy<br>also addressed the DRE State Coordinators in<br>closed meeting on August 9 <sup>th</sup> to discuss issues with<br>the lack of laboratory standardization across the<br>country and varying cutoff levels for drugs of<br>abuse. The conference attendees consisted of law<br>enforcement, administration from NHTSA, Traffic<br>Safety Resource Prosecutors and forensic<br>toxicologists.                                                                                                                                                                                                                                                                                                              | Complete |
| August 20,<br>2015    | Wisconsin<br>Women of Color<br>Network –<br>Networking<br>Together, Inc.<br>Regional<br>Conference | Cytotechnology Certificate Program Director<br>Michele Smith gave a talk on the importance of<br>cervical cancer screening and HPV vaccinations at<br>the 31 <sup>st</sup> Regional Conference of the Wisconsin<br>Women of Color Network – Networking Together,<br>Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Complete |
| August 21,<br>2015    | Influenza<br>Incidence<br>Surveillance<br>Project article in                                       | <i>The Lancet Respiratory Medicine</i> featured two<br>articles about the Influenza Incidence Surveillance<br>Project 2009-2013. The IISP is the only multistate,<br>nationally representative network that can estimate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Complete |

|                       | Lancet<br>Respiratory<br>Medicine                                             | <ul> <li>influenza incidence in patients with influenza-like</li> <li>illness presenting to ambulatory care clinics in the USA.</li> <li>Wisconsin is one of the participating study sites.</li> <li>CDD Director Dr. Pete Shult, Virology</li> <li>Surveillance and Team Leader Erik Reisdorf and</li> <li>WSLH staff collaborated with Dr. Jon Temte in the</li> <li>UW Department of Family Medicine on the project.</li> </ul>                                                                                                                                                                                                                                                                                                                                                       |          |
|-----------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| August 25,<br>2015    | WI DNR Bureau<br>of Law<br>Enforcement<br>Training<br>Conference              | <ul> <li>WSLH Assistant Director and EHD Director Dave</li> <li>Webb co-taught a session with a representative</li> <li>from the State Crime Lab at the WI DNR Bureau of</li> <li>Law Enforcement Training Conference.</li> <li>Dave gave an hour-long presentation about the</li> <li>WSLH, including an overview of the entire WSLH</li> <li>and information on EHD analytical capacities and</li> <li>capabilities.</li> </ul>                                                                                                                                                                                                                                                                                                                                                        | Complete |
| August 25-26,<br>2015 | Governor's<br>Highway Safety<br>Conference -<br>Impaired Driving<br>Workgroup | <ul> <li>WSLH Forensic Toxicology Director Amy Miles<br/>gave a presentation with Tara Jenswold-Schipper<br/>from the WI Department of Justice on drug<br/>impaired driving, trends, and trial preparation for<br/>drug cases to the Impaired Driving Workgroup at<br/>the Governor's Highway Safety Conference.</li> <li>During the two-day meeting, several members of<br/>law enforcement from around the state<br/>complimented Amy on the improved turnaround<br/>time for impaired driver drug testing.</li> <li>The Impaired Driving Workgroup is comprised of<br/>staffers from the WI Department of<br/>Transportation/Bureau of Traffic Safety, law<br/>enforcement, WI Department of Justice, WI<br/>Department of Health Services and other program<br/>partners.</li> </ul> | Complete |
| August 25-26,<br>2015 | CDC Chemical<br>Emergency<br>Response<br>Exercise                             | The WSLH Chemical Emergency Response Unit<br>performed arsenic testing on 500 urine specimens<br>as part of a CDC chemical emergency response<br>exercise. Specimens arrived about 9:30 AM on the<br>25 <sup>th</sup> and all 500 were tested and reported to CDC by<br>1:00 PM on the 26 <sup>th</sup> . WSLH response time and<br>results compared favorably with the other LRN-C<br>labs participating in the exercise.                                                                                                                                                                                                                                                                                                                                                               | Complete |
| August 26-27,<br>2015 | Farm<br>Technology<br>Days                                                    | WSLH Bureau of Labor Statistics/Occupational<br>Safety and Health Statistics shared a booth with WI<br>DPH Bureau of Environmental and Occupational                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Complete |

|                           |                                                              | Health staff at Farm Technology Days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|---------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                           |                                                              | BLS/OSH staff shared hand-outs with farm safety statistics and hosted a "spin the wheel" game where people answered safety and health questions to win a prize.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| September<br>2015         | Journal of Water<br>and Health                               | WSLH Environmental Microbiology Director Dr.<br>Sharon Long and colleagues had a paper published<br>in the <i>Journal of Water and Health</i> on "Global<br>Occurrence of Torque Teno Virus in Water<br>Systems."                                                                                                                                                                                                                                                                                                                                                                                                                     | Complete |
| September 1, 2015         | ABMGG<br>Training<br>Program<br>Director                     | WSLH Cytogenetics and Molecular Genetics<br>Director Dr. Jennifer Laffin took over as Training<br>Program Director of the American Board of<br>Medical Genetics & Genomics (ABMGG) for all<br>Fellowships Biochemical, Cytogenetics and<br>Molecular. This post was previously held by Dr.<br>David Wargowski, UW School of Medicine and<br>Public Health.                                                                                                                                                                                                                                                                            | Complete |
| September 9 –<br>11, 2015 | Wisconsin Water<br>Association<br>Annual Meeting<br>and Expo | Brandon Moss (Organic Chemistry), Dr. Sharon<br>Long (Environmental Microbiology), Archie<br>Degnan (retired Water Microbiology and now<br>consulting) along with colleagues presented on<br>"Biostability: The New Science in Water System<br>Operation" at the Wisconsin Water Association<br>Annual Meeting and Expo.                                                                                                                                                                                                                                                                                                              | Complete |
| September 16, 2015        | WI Clinical<br>Laboratory<br>Network<br>audioconference      | CDD Director Dr. Pete Shult and Virology<br>Surveillance and Team Leader Erik Reisdorf gave a<br>teleconference on "Influenza and Other Respiratory<br>Viruses Update – 2015" for the WI Clinical<br>Laboratory Network.<br>The audioconference provided a review of the past<br>2014 – 2015 respiratory virus season and<br>highlighted the WSLH surveillance strategy for<br>2015-2016, based on our expectations for the<br>upcoming respiratory virus season. Additional<br>topics discussed included updates on MERS, Avian<br>Influenza – H5 and EV-D68, as well as current and<br>emerging diagnostic technologies and trends. | Complete |
| September 17, 2015        | National<br>Association of<br>Social Workers<br>in Wisconsin | BLS/OSH staff provided social worker injury<br>statistics to the NASWW for the Social Work<br>Safety Bill. This bill would help protect the safety<br>of social workers making home visits by exempting<br>them from the Castle Doctrine. The Castle Doctrine<br>allows resident to use deadly force if they                                                                                                                                                                                                                                                                                                                          | Complete |

|                            |                                                                              | "reasonably believe" someone has or is breaking<br>into their house.                                                                                                                                                                                                                                                                                                                                                                                                       |          |
|----------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| September 21, 2015         | Work Fatalities<br>News Release                                              | BLS/OSH staff released a preliminary count of fatal work injuries in 2014. There were 97 workers who died in Wisconsin and 4,679 fatalities nationwide.                                                                                                                                                                                                                                                                                                                    | Complete |
| September 29<br>– 30, 2015 | Water<br>Environment<br>Federation<br>Technical<br>Exhibit and<br>Conference | Dr. Sharon Long (Environmental Microbiology)<br>and graduate assistant Zac Carroll presented on<br>"Pathogens and Surrogate Organisms in Anaerobic<br>Digestion – Temperature, Time, and Ammonia<br>Effects" at the 88th Annual Water Environment<br>Federation Technical Exhibit and Conference<br>(WEFTEC) in Chicago.                                                                                                                                                   | Complete |
| October 2015               | <i>MLO</i> article<br>about PT<br>services                                   | CDC staffers interviewed the WSLH Proficiency<br>Testing staff for an article to be published in an<br>upcoming issue of the clinical laboratory magazine<br><i>MLO</i> .                                                                                                                                                                                                                                                                                                  | Complete |
|                            |                                                                              | The article "Proficiency Testing Program<br>Providers Strive to Serve Their Customers" will<br>answer many questions raised in 2012 when CDC,<br>working in collaboration with the Association of<br>Public Health Laboratories (APHL), conducted a<br>series of focus groups with clinical laboratory<br>professionals to further explore how laboratories<br>use and perceive PT.                                                                                        |          |
| October 2015               | Vaccine<br>Preventable<br>Disease<br>Reference Center<br>– CDC               | The WSLH's contract with CDC to serve as a<br>national Vaccine Preventable Disease (VPD)<br>Reference Center has been renewed for another 5<br>years. The WSLH Communicable Disease Division<br>provides testing capacity for measles, mumps,<br>rubella and other vaccine-preventable diseases for<br>Wisconsin and 17 other state and local public<br>health laboratories across the country, as well as<br>surge capacity for CDC in case of a large-scale<br>outbreak. | Ongoing  |
|                            |                                                                              | In addition to testing, the WSLH is the only VPD<br>Reference Center providing test performance<br>evaluation panels to public health laboratories so<br>that they can assure the quality of their testing. This<br>is a collaborative effort between WSLH Proficiency<br>Testing and CDD.                                                                                                                                                                                 |          |
| October 2015               | National<br>Influenza<br>Surveillance                                        | The WSLH Communicable Disease Division has<br>been chosen by the CDC to be one of three<br>National Influenza Surveillance Reference Centers                                                                                                                                                                                                                                                                                                                               | Ongoing  |

|                                   | Defen C (                                                                            | for the next first and (2015 - 2020)                                                                                                                                                                                                                                                                                                                                                                                                                               |          |
|-----------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                                   | Reference Center<br>CDC                                                              | for the next five years $(2015 - 2020)$ .                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
|                                   |                                                                                      | The WSLH will provide influenza virus isolation,<br>neuraminidase inhibition (i.e. anti-viral medication<br>resistance) and whole genome sequencing testing<br>services for Wisconsin and 21 other states.                                                                                                                                                                                                                                                         |          |
|                                   |                                                                                      | Test result data will be used by CDC to speed<br>influenza vaccine development and better<br>understand what influenza viruses are circulating<br>and how they may be changing.                                                                                                                                                                                                                                                                                    |          |
|                                   |                                                                                      | Since 2009, the WSLH has served as a CDC virus isolation project partner looking for antigenic shift and drift in influenza viruses. This latest project builds upon that partnership.                                                                                                                                                                                                                                                                             |          |
| October 2015                      | American Board<br>of Medical<br>Genetics and<br>Genomics<br>(ABMGG)<br>certification | WSLH Cytogenetics and Molecular Genetics<br>Assistant Director Dr. Vanessa Horner and two<br>ABMGG fellows at the WSLH have passed their<br>American Board of Medical Genetics and<br>Genomics certification exams.                                                                                                                                                                                                                                                | Complete |
|                                   |                                                                                      | Dr. Horner is now dual boarded in Cytogenetics<br>and Molecular Genetics. ABMGG Fellow Dr. Cate<br>Paschal is boarded in Cytogenetics and Dr. Chris<br>Vlangos is boarded in Molecular Genetics. Dr.<br>Vlangos was the first molecular fellow trained at<br>the WSLH.                                                                                                                                                                                             |          |
|                                   |                                                                                      | All ABMGG fellows trained at the WSLH so far have been board-certified.                                                                                                                                                                                                                                                                                                                                                                                            |          |
| October 2015                      | Governor's<br>Council on<br>Highway Safety                                           | WSLH Toxicology Director Amy Miles gave a<br>presentation about drugged driving trends in<br>Wisconsin to the Governor's Council on Highway<br>Safety.                                                                                                                                                                                                                                                                                                             | Complete |
| October 13,<br>14 and 16,<br>2015 | WI Clinical<br>Laboratory<br>Network<br>Regional<br>Meetings                         | The WI Clinical Laboratory Network held regional<br>meetings in Rice Lake, Kimberly and Wisconsin<br>Dells. The all-day meetings presented by WSLH<br>CDD staff and organized by WCLN Coordinator<br>Erin Bowles focused on Laboratory Preparedness<br>and Laboratory Biosafety and Biosecurity. Other<br>topics of discussion were Carbapenem-resistant<br>Enterobacteriaceae (CRE), Individualized Quality<br>Control Plan (ICCP), and the popular case studies. | Complete |
| October 14, 2015                  | Local Public<br>Health<br>Laboratory<br>Network meeting                              | Members of the Local Public Health Laboratory<br>Network along with state agency partners from<br>DPH, DNR, WSLH, UW-Madison and UW-<br>Stevens Point met at UW-SP. Network members                                                                                                                                                                                                                                                                                | Complete |

|                          |                                                                | toured the UW-SP environmental testing<br>laboratories, learned more about the DPH private<br>well water data viewer created in collaboration with<br>UW-SP, and also learned about the newly-forming<br>Great Lakes Coastal Beaches workgroup. Time for<br>networking and learning from one another was also<br>a valuable component of the day.<br>The meeting was organized and facilitated by Jan<br>Klawitter (Public Affairs). |          |
|--------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| October 15-<br>16, 2015  | WI Prosecutor's<br>OWI Conference                              | Bill Johnson, Tom Neuser and Amy Miles<br>(Toxicology) each gave separate presentations to<br>the prosecutors of WI on a variety of topics. Tom<br>Neuser gave a presentation on common defense<br>attorney tactics, Bill Johnson co-presented with<br>AAG Tara Jenswold and Officer Deanna Reilly on<br>drug impaired driving and Amy Miles presented on<br>updates from the WSLH and current issues with<br>Daubert hearings.      | Complete |
| October 16, 2015         | New Public<br>Health Employee<br>Orientation                   | WSLH Public Affairs Manager Jan Klawitter gave<br>an overview presentation about the WSLH at the<br>New Public Health Employee Orientation<br>sponsored by WDPH. Jan gives these presentations<br>twice annually.                                                                                                                                                                                                                    | Complete |
| October 19-<br>23, 2015  | Presentation at<br>SOFT 2015<br>(Atlanta, GA)                  | WSLH Toxicologist Stephanie Weber presented a scientific abstract on Heroin in Wisconsin drivers during the annual SOFT conference. Feedback from the presentation has been very positive with inquiries from several different states and countries asking for more information.                                                                                                                                                    | Complete |
| October 19-<br>23, 2015  | Workshop /<br>Committee Chair<br>at SOFT 2015<br>(Atlanta, GA) | WSLH Toxicology Director Amy Miles chaired a<br>workshop entitled "Benzodiazepines and DUID"<br>for the attendees of the SOFT conference. The<br>workshop was a 4-hour training which included<br>pharmacology, case examples and extraction<br>techniques for the benzodiazepine drug class. Amy<br>also chaired the international SOFT/AAFS Drugs<br>and Driving Committee meeting and is now on the<br>SOFT Board of Directors.   | Complete |
| October 22 –<br>23, 2015 | WI Science<br>Festival                                         | Kim Oxendine and Maureen McCormack<br>(Cytogenetics), Jan Klawitter (Public Affairs), and<br>Changhong Ye, Michele Smith and the<br>Cytotechnology Class of 2016 (Cytology) hosted<br>exploration stations as part of the WI Science<br>Festival. Young (and some older) visitors to the<br>Cytogenetics station were able to make a bracelet<br>with beads representing different genetic traits like                               | Complete |

|                     |                               | eye color and whether you can roll your tongue.<br>Visitors to the Cytology station were able to make a<br>"cell" using office supplies and plastic baggies.                                                                                                                                                                                                                         |          |
|---------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| October 23,<br>2015 | IACP DRE TAP<br>(Chicago, IL) | WSLH Toxicology Director Amy Miles attended<br>the yearly TAP meeting and the main topic of<br>discussion was how to get forensic DUID<br>laboratories across the country to use similar cutoff<br>and analytical techniques. A Resolution was<br>introduced that has support from NHTSA, IACP<br>and SOFT to work together to rectify the<br>inconsistencies of laboratory testing. | Complete |

# Report to the Wisconsin State Laboratory of Hygiene Board Water Systems Tests by the WSLH For the period July 1 – September 30, 2015

| Number of systems on a boil water notice                                     | 122  |
|------------------------------------------------------------------------------|------|
| Number of water systems tested                                               | 3724 |
|                                                                              |      |
| Percent of systems on a boil water notice                                    | 3.8% |
| Number of boil water notices for <u>municipal community water</u>            | 0    |
| systems.                                                                     |      |
| Number of boil water notices for <u>other than a municipal</u>               | 8    |
| <u>community water</u> system                                                |      |
| Number of boil water notices for <u>non-transient</u> , <u>non-community</u> | 6    |
| water systems.                                                               |      |
| Number of boil water notices for transient water systems.                    | 108  |
|                                                                              |      |
|                                                                              |      |

|                  | # of syst |    |    |    | # of Boil |    |    |    |
|------------------|-----------|----|----|----|-----------|----|----|----|
| Adamaa           | MC        | 00 | NN | TN | MC        | OC | NN | TN |
| Adams<br>Ashland | 3         | 0  | 0  | 5  | 0         | 0  | 0  | 0  |
| Barron           | 2         | 2  | 2  | 44 | 0         | 0  | 0  | 6  |
| Bayfield         | 1         | 1  | 1  | 1  | 0         | 1  | 0  | 0  |
| Brown            | 9         | 0  | 0  | 9  | 0         | 0  | 0  | 0  |
| Buffalo          | 3         | 0  | 0  | 0  |           | 0  | 0  | 0  |
| Burnett          | 0         | 0  | 1  | 53 | 0         | 0  | 0  | 4  |
| Calumet          | 7         | 1  | 0  | 1  | 0         | 0  | 0  | C  |
| Chippewa         | 1         | 2  | 0  | 49 | 0         | 0  | 0  | 2  |
| Clark            | 7         | 1  | 2  | 13 | 0         | 0  | 0  | 1  |
| Columbia         | 10        | 2  | 5  | 10 | 0         | 0  | 0  | C  |
| Crawford         | 5         | 0  | 0  | 2  | 0         | 0  | 0  | C  |
| Dane             | 31        | 8  | 11 | 34 | 0         | 0  | 0  | 2  |
| Dodge            | 16        | 2  | 5  | 5  | 0         | 0  | 0  | C  |
| Door             | 3         | 1  | 2  | 95 | 0         | 0  | 0  | 2  |
| Douglas          | 0         | 0  | 0  | 1  | 0         | 0  | 0  | C  |
| Dunn             | 0         | 1  | 0  | 34 | 0         | 0  | 0  | C  |
| Eau Claire       | 0         | 2  | 0  | 0  | 0         | 0  | 0  | C  |
| Florence         | 1         | 0  | 1  | 5  | 0         | 0  | 0  | 1  |
| Fond Du Lac      | 8         | 2  | 2  | 0  | 0         | 0  | 0  | C  |
| Forest           | 4         | 0  | 0  | 2  | 0         | 0  | 0  | 1  |
| Grant            | 12        | 3  | 3  | 8  | 0         | 0  | 0  | C  |
| Green            | 7         | 1  | 2  | 1  | 0         | 0  | 0  | C  |
| Green Lake       | 5         | 1  | 5  | 3  | 0         | 0  | 0  | 1  |
| lowa             | 8         | 1  | 2  | 16 | 0         | 0  | 0  | C  |
| Iron             | 5         | 0  | 0  | 1  | 0         | 0  | 0  | C  |
| Jackson          | 2         | 0  | 2  | 3  | 0         | 0  | 0  | C  |
| Jefferson        | 5         | 4  | 2  | 14 | 0         | 0  | 0  | C  |
| Juneau           | 8         | 3  | 0  | 12 | 0         | 1  | 0  | 2  |
| Kenosha          | 0         | 10 | 4  | 1  | 0         | 0  | 0  | C  |
| Kewaunee         | 3         | 0  | 3  | 4  | 0         | 0  | 0  | C  |
| La Crosse        | 0         | 2  | 2  | 1  | 0         | 0  | 0  | C  |
| Lafayette        | 7         | 0  | 0  | 2  | 0         | 0  | 0  | C  |
| Langlade         | 1         | 1  | 0  | 4  | 0         | 1  | 0  | C  |
| Lincoln          | 3         | 0  | 0  | 0  | 0         | 0  | 0  | C  |
| Manitowoc        | 5         | 2  | 2  | 25 | 0         | 0  | 0  | C  |
| Marathon         | 3         | 1  | 3  | 0  |           | 0  | 0  | C  |
| Marinette        | 6         | 0  | 2  | 13 | 0         | 0  | 0  | C  |
| Marquette        | 1         | 0  | 2  | 11 | 0         | 0  | 0  | 1  |
| Menominee        | 0         | 0  | 0  | 0  |           | 0  | 0  | C  |
| Milwaukee        | 2         | 2  | 3  | 0  | 0         | 0  | 0  | C  |
| Monroe           | 6         | 3  | 1  | 6  | 0         | 0  | 0  | 0  |
| Oconto           | 5         | 0  | 0  | 19 |           | 0  | 0  | 2  |
| Oneida           | 1         | 3  | 1  | 1  | 0         | 0  | 0  | 1  |
| Outagamie        | 9         | 0  | 0  | 1  | 0         | 0  | 0  | C  |
| Ozaukee          | 1         | 1  | 5  | 2  | 0         | 0  | 0  | C  |
| Pepin            | 0         | 1  | 0  | 14 | 0         | 0  | 0  | C  |
| Pierce           | 2         | 0  | 3  | 13 |           | 0  | 0  | C  |
| Polk             | 1         | 0  | 0  | 30 |           | 0  | 0  | 4  |
| Portage          | 4         | 1  | 3  | 0  |           | 0  | 0  | C  |
| Price            | 3         | 0  | 1  | 0  |           | 0  | 0  | C  |
| Racine           | 1         | 4  | 5  | 6  |           | 0  | 0  | C  |
| Richland         | 6         | 0  | 2  | 4  |           | 0  | 0  | 1  |
| Rock             | 7         | 7  | 6  | 22 |           | 0  | 0  | 1  |
| Rusk             | 1         | 1  | 0  | 0  |           | 0  | 0  | C  |
| Sauk             | 8         | 3  | 4  | 16 |           | 0  | 0  | 2  |
| Sawyer           | 1         | 1  | 1  | 3  |           | 0  | 0  | C  |
| Shawano          | 9         | 0  | 0  | 5  |           | 0  | 0  | C  |
| Sheboygan        | 7         | 0  | 0  | 0  |           | 0  | 0  | C  |
| St. Croix        | 1         | 2  | 1  | 35 |           | 0  | 0  | 3  |
| Taylor           | 2         | 0  | 1  | 0  |           | 0  | 0  | C  |
| Trempealeau      |           | 1  | 0  | 1  |           | 0  | 0  | C  |
| Unknown          | 0         | 0  | 0  | 0  |           | 0  | 0  | C  |
| Vernon           | 5         | 0  | 0  | 13 |           | 0  | 0  | 3  |
| Vilas            | 3         | 4  | 0  | 0  |           | 0  | 0  | C  |
| Walworth         | 2         | 2  | 1  | 0  |           | 0  | 0  | C  |
| Washburn         | 1         | 1  | 1  | 1  |           | 0  | 0  | C  |
| Washington       | 0         | 6  | 3  | 3  |           | 0  | 0  | C  |
| Waukesha         | 3         | 4  | 12 | 1  |           | 0  | 1  | C  |
| Waupaca          | 6         | 1  | 2  | 0  |           | 0  | 0  | C  |
| Waushara         | 4         | 1  | 0  | 12 |           | 0  | 0  | 2  |
| Winnebago        | 4         | 0  | 2  | 0  | 0         | 0  | 0  | C  |
| Wood             | 4         | 4  | 2  | 2  | 0         | 0  | 0  | 0  |

# July 2015

# **Report on Public Water System Testing**

MC is municipal community water system which means a water system which serves at least 15 service connections used by year round residents or regularly serves at least 25 year round resident and is owned by a county, city, village, town, town sanitary district, or utility district.

OC is other than municipal community water system which means a community water system that is not a municipal water system. Examples of other than municipal community water systems include but are not limited to those serving mobile home parks, apartments and condominiums.

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TN is non-community transient water system which means a non-community water system that serves at least 25 people at least 60 days of the year. Examples of transient non-community water systems include those serving taverns, motels, restaurants, churches, campgrounds and parks.

|                     | # of system<br>MC OC |    |    | # c<br>M( | of Boil V<br>C OC |     | lotice<br>IN TI |        |
|---------------------|----------------------|----|----|-----------|-------------------|-----|-----------------|--------|
| Adams               | 3                    | 1  |    | 2         | 0                 | - 0 | 0 N             | N<br>0 |
| Adams               | 3                    | 0  | 1  | 2         | 0                 | 0   | 0               | 0      |
|                     |                      | -  |    | -         | -                 | -   |                 |        |
| Barron              | 2                    | 1  | 4  | 10        | 0                 | 0   | 0               | 1      |
| Bayfield            | 0                    | 1  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Brown               | 8                    | 0  | 1  | 2         | 0                 | 0   | 0               | 0      |
| Buffalo             | 3                    | 0  | 3  | 4         | 0                 | 0   | 1               | 0      |
| Burnett             | 0                    | 0  | 0  | 42        | 0                 | 0   | 0               | 4      |
| Calumet             | 6                    | 1  | 0  | 1         | 0                 | 0   | 0               | 0      |
| Chippewa            | 1                    | 2  | 0  | 9         | 0                 | 0   | 0               | 1      |
| Clark               | 7                    | 1  | 0  | 9         | 0                 | 0   | 0               | 1      |
| Columbia            | 10                   | 2  | 4  | 6         | 0                 | 0   | 1               | 0      |
| Crawford            | 5                    | 0  | 0  | 1         | 0                 | 0   | 0               | 1      |
|                     | 32                   | 12 | 11 | 23        | 0                 | 0   | 0               | 0      |
| Dane                |                      |    |    |           | -                 | -   |                 |        |
| Dodge               | 16                   | 1  | 7  | 6         | 0                 | 0   | 0               | 1      |
| Door                | 3                    | 0  | 1  | 78        | 0                 | 0   | 0               | 0      |
| Douglas             | 0                    | 0  | 0  | 1         | 0                 | 0   | 0               | 0      |
| Dunn                | 0                    | 1  | 0  | 19        | 0                 | 0   | 0               | 2      |
| Eau Claire          | 0                    | 4  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Florence            | 1                    | 0  | 0  | 3         | 0                 | 0   | 0               | 0      |
| Fond Du Lac         | 8                    | 1  | 3  | 0         | 0                 | 0   | 0               | 0      |
| Forest              | 4                    | 0  | 0  | 3         | 0                 | 0   | 0               | 2      |
|                     |                      |    | -  | -         | -                 | -   |                 |        |
| Grant               | 10                   | 4  | 0  | 8         | 0                 | 0   | 0               | 0      |
| Green               | 7                    | 0  | 3  | 5         | 0                 | 0   | 0               | 0      |
| Green Lake          | 5                    | 0  | 0  | 1         | 0                 | 0   | 0               | 0      |
| lowa                | 8                    | 0  | 2  | 5         | 0                 | 0   | 0               | 1      |
| Iron                | 5                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Jackson             | 3                    | 0  | 1  | 3         | 0                 | 0   | 0               | 0      |
| Jefferson           | 5                    | 4  | 4  | 19        | 0                 | 1   | 0               | 0      |
| Juneau              | 8                    | 2  | 2  | 5         | 0                 | 0   | 0               | 1      |
|                     |                      |    |    | -         | -                 |     |                 |        |
| Kenosha             | 0                    | 7  | 8  | 0         | 0                 | 0   | 0               | 0      |
| Kewaunee            | 3                    | 1  | 3  | 2         | 0                 | 0   | 0               | 0      |
| La Crosse           | 0                    | 1  | 2  | 1         | 0                 | 0   | 0               | 0      |
| Lafayette           | 6                    | 0  | 0  | 11        | 0                 | 0   | 0               | 0      |
| Langlade            | 1                    | 1  | 0  | 4         | 0                 | 0   | 0               | 0      |
| Lincoln             | 3                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Manitowoc           | 5                    | 3  | 3  | 31        | 0                 | 0   | 0               | 0      |
| Marathon            | 3                    | 0  | 1  | 0         | 0                 | 0   | 0               | 0      |
|                     | 6                    | 0  | 1  | 15        | 0                 | 0   | 0               | 2      |
| Marinette           | -                    |    |    |           | -                 |     |                 |        |
| Marquette           | 1                    | 1  | 1  | 10        | 0                 | 0   | 0               | 0      |
| Menominee           | 0                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Milwaukee           | 2                    | 1  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Monroe              | 5                    | 2  | 0  | 12        | 0                 | 0   | 0               | 0      |
| Oconto              | 5                    | 0  | 1  | 8         | 0                 | 0   | 0               | 0      |
| Oneida              | 1                    | 4  | 1  | 8         | 0                 | 0   | 0               | 0      |
| Outagamie           | 9                    | 0  | 0  | 4         | 0                 | 0   | 0               | 1      |
| Ozaukee             | 1                    | 1  | 6  | 2         | 0                 | 0   | 0               | 0      |
|                     | 0                    |    | 0  | 3         |                   |     |                 |        |
| Pepin               |                      | 0  |    |           | 0                 | 0   | 0               | 0      |
| Pierce              | 2                    | 1  | 0  | 3         | 0                 | 1   | 0               | 0      |
| Polk                | 1                    | 0  | 0  | 17        | 0                 | 0   | 0               | 3      |
| Portage             | 3                    | 1  | 3  | 0         | 0                 | 0   | 0               | 0      |
| Price               | 3                    | 1  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Racine              | 1                    | 0  | 8  | 3         | 0                 | 0   | 0               | 0      |
| Richland            | 6                    | 0  | 1  | 6         | 0                 | 0   | 0               | 0      |
| Rock                | 7                    | 5  | 6  | 9         | 0                 | 0   | 0               | 0      |
| Rusk                | 1                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
|                     |                      |    |    |           |                   |     |                 |        |
| Sauk                | 9                    | 0  | 4  | 4         | 0                 | 0   | 1               | 1      |
| Sawyer              | 1                    | 1  | 1  | 1         | 0                 | 0   | 0               | C      |
| Shawano             | 9                    | 1  | 2  | 9         | 0                 | 0   | 0               | C      |
| Sheboygan           | 7                    | 1  | 0  | 1         | 0                 | 0   | 0               | 2      |
| St. Croix           | 1                    | 2  | 3  | 11        | 0                 | 0   | 0               | 3      |
| Taylor              | 1                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Trempealeau         | 6                    | 2  | 1  | 0         | 0                 | 0   | 0               | 0      |
| Unknown             | 0                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
|                     |                      |    |    | -         |                   |     |                 |        |
| Vernon              | 5                    | 0  | 0  | 13        | 0                 | 0   | 0               | 2      |
| Vilas               | 3                    | 1  | 0  | 55        | 0                 | 0   | 0               | C      |
| Walworth            | 2                    | 2  | 4  | 0         | 0                 | 0   | 0               | C      |
| Washburn            | 1                    | 0  | 1  | 0         | 0                 | 0   | 0               | C      |
| Washington          | 0                    | 6  | 2  | 2         | 0                 | 0   | 0               | C      |
| Waukesha            | 4                    | 4  | 6  | 0         | 0                 | 0   | 0               | C      |
| Waukesha<br>Waupaca | 6                    | 1  | 3  | 8         | 0                 | 0   | 0               | 0      |
|                     |                      |    |    |           |                   |     |                 |        |
| Waushara            | 4                    | 0  | 1  | 11        | 0                 | 0   | 0               | 1      |
| Winnebago           | 4                    | 0  | 0  | 0         | 0                 | 0   | 0               | 0      |
| Wood                | 4                    | 1  | 5  | 0         | 0                 | 0   | 0               | 0      |

# August 2015

# **Report on Public Water System Testing**

MC is municipal community water system which means a water system which serves at least 15 service connections used by year round residents or regularly serves at least 25 year round resident and is owned by a county, city, village, town, town sanitary district, or utility district.

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|             | # of syst<br>MC | tems tes<br>OC | ted by S<br>NN | LH<br>TN | # of Boi<br>MC | l Wate<br>OC | r Noti<br>NN | ices<br>TN |
|-------------|-----------------|----------------|----------------|----------|----------------|--------------|--------------|------------|
| Adams       | WIC 4           | 1              | 0              | 1        | 0              | 000          | 0            | 0          |
| Ashland     | 3               | 0              | 0              | 9        | 0              | 0            | 0            | 0          |
| Barron      | 2               | 0              | 3              | 5        | 0              | 0            | 0            | 0          |
| Bayfield    | 0               | 0              | 0              | 1        | 0              | 0            | 0            | 0          |
| Brown       | -               | 1              | 4              |          |                | 0            |              | 0          |
|             | 8               |                |                | 16       | 0              |              | 0            |            |
| Buffalo     | 3               | 0              | 1              | 0        | 0              | 0            | 0            | 0          |
| Burnett     | 0               | 1              | 0              | 28       | 0              | 0            | 0            | 0          |
| Calumet     | 6               | 1              | 2              | 4        | 0              | 0            | 0            | 0          |
| Chippewa    | 1               | 1              | 1              | 13       | 0              | 0            | 0            | 2          |
| Clark       | 7               | 0              | 3              | 9        | 0              | 0            | 0            | 1          |
| Columbia    | 10              | 5              | 5              | 18       | 0              | 0            | 0            | 1          |
| Crawford    | 5               | 1              | 0              | 3        | 0              | 0            | 0            | 0          |
| Dane        | 32              | 9              | 10             | 27       | 0              | 0            | 0            | 2          |
| Dodge       | 16              | 2              | 12             | 7        | 0              | 0            | 0            | 0          |
| Door        | 3               | 1              | 2              | 185      | 0              | 0            | 0            | 2          |
| Douglas     | 0               | 0              | 1              | 11       | 0              | 0            | 0            | 1          |
| Dunn        | 0               | 1              | 0              | 6        | 0              | 0            | 0            | 1          |
| Eau Claire  | 0               | 1              | 5              | 0        | 0              | 0            | 0            | 0          |
| Florence    | 1               | 0              | 0              | 9        | 0              | 0            | 0            | 1          |
| Fond Du Lac | 8               | 9              | 2              | 17       | 0              | 0            | 0            | 0          |
|             | 2               |                | 0              | 4        |                |              |              | 1          |
| Forest      |                 | 0              |                |          | 0              | 0            | 0            |            |
| Grant       | 12              | 4              | 1              | 21       | 0              | 0            | 0            | 1          |
| Green       | 7               | 0              | 2              | 5        | 0              | 0            | 0            | 0          |
| Green Lake  | 5               | 0              | 3              | 11       | 0              | 0            | 0            | 0          |
| lowa        | 7               | 0              | 4              | 6        | 0              | 0            | 0            | 0          |
| Iron        | 5               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Jackson     | 2               | 0              | 1              | 10       | 0              | 0            | 0            | 1          |
| Jefferson   | 5               | 1              | 5              | 14       | 0              | 1            | 0            | 2          |
| Juneau      | 8               | 1              | 0              | 4        | 0              | 0            | 0            | 1          |
| Kenosha     | 0               | 10             | 4              | 12       | 0              | 0            | 0            | 1          |
| Kewaunee    | 3               | 0              | 4              | 14       | 0              | 0            | 0            | 0          |
|             |                 |                |                |          |                |              |              |            |
| La Crosse   | 0               | 0              | 2              | 1        | 0              | 0            | 0            | 0          |
| Lafayette   | 6               | 0              | 0              | 10       | 0              | 0            | 0            | 0          |
| Langlade    | 1               | 1              | 0              | 9        | 0              | 0            | 0            | 0          |
| Lincoln     | 3               | 0              | 1              | 1        | 0              | 0            | 0            | 0          |
| Manitowoc   | 5               | 2              | 7              | 25       | 0              | 0            | 0            | 0          |
| Marathon    | 3               | 0              | 2              | 2        | 0              | 0            | 0            | 0          |
| Marinette   | 6               | 0              | 0              | 32       | 0              | 0            | 0            | 4          |
| Marquette   | 1               | 2              | 5              | 23       | 0              | 0            | 0            | 1          |
| Menominee   | 0               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Milwaukee   | 2               | 2              | 0              | 0        | 0              | 0            | 0            | 0          |
| Monroe      | 5               | 2              | 3              | 4        | 0              | 0            | 0            | 0          |
| Oconto      | 5               | 3              | 3              | 36       | 0              | 0            | 0            | 2          |
|             | 1               |                | 1              |          | 0              | 0            | 0            |            |
| Oneida      |                 | 3              |                | 18       |                |              |              | 0          |
| Outagamie   | 9               | 0              | 0              | 12       | 0              | 0            | 0            | 0          |
| Ozaukee     | 1               | 1              | 13             | 6        | 0              | 0            | 0            | 0          |
| Pepin       | 0               | 0              | 2              | 0        | 0              | 0            | 0            | 0          |
| Pierce      | 2               | 1              | 2              | 0        | 0              | 1            | 0            | 0          |
| Polk        | 1               | 0              | 0              | 27       | 0              | 0            | 0            | 3          |
| Portage     | 3               | 3              | 2              | 0        | 0              | 0            | 0            | 0          |
| Price       | 3               | 0              | 1              | 0        | 0              | 0            | 0            | 0          |
| Racine      | 1               | 3              | 12             | 3        | 0              | 0            | 0            | 1          |
| Richland    | 6               | 0              | 2              | 6        | 0              | 0            | 0            | 0          |
| Rock        | 7               | 5              | 7              | 17       | 0              | 1            | 1            | 0          |
|             |                 |                | 1              |          |                | 0            |              |            |
| Rusk        | 1               | 2              |                | 0        | 0              |              | 0            | 0          |
| Sauk        | 9               | 1              | 1              | 5        | 0              | 0            | 0            | 0          |
| Sawyer      | 1               | 0              | 2              | 4        | 0              | 0            | 0            | 0          |
| Shawano     | 9               | 0              | 1              | 24       | 0              | 0            | 0            | 0          |
| Sheboygan   | 7               | 0              | 8              | 14       | 0              | 0            | 0            | 0          |
| St. Croix   | 1               | 1              | 0              | 7        | 0              | 0            | 0            | 1          |
| Taylor      | 1               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Trempealeau | 5               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Unknown     | 0               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Vernon      | 5               | 1              | 0              | 18       | 0              | 0            | 0            | 0          |
| Vilas       | 3               | 3              | 1              | 8        | 0              | 0            | 0            | 0          |
|             |                 |                |                |          |                |              |              |            |
| Walworth    | 2               | 0              | 5              | 9        | 0              | 0            | 0            | 1          |
| Washburn    | 1               | 0              | 0              | 0        | 0              | 0            | 0            | 0          |
| Washington  | 0               | 6              | 7              | 1        | 0              | 0            | 1            | 0          |
| Waukesha    | 3               | 5              | 17             | 26       | 0              | 0            | 0            | 4          |
| Waupaca     | 6               | 1              | 0              | 0        | 0              | 0            | 0            | 0          |
| Waushara    | 4               | 0              | 0              | 36       | 0              | 0            | 0            | 1          |
| Winnebago   | 4               | 0              | 1              | 0        |                | 0            | 0            | 0          |
|             | - 4             |                |                |          |                |              |              |            |

# September 2015

# Report on Public Water System Testing

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## U.S. Department of Labor

Occupational Safety and Health Administration Washington, D.C. 20210

Reply to the attention of:



# SEP 2 3 2015

Dr. Charles D. Brokopp Director University of Wisconsin State Laboratory of Hygiene Board of Regents University of Wisconsin System Room 239 Stovall Building 465 Henry Mall Madison, Wisconsin 53706

Dear Dr. Brokopp:

Enclosed is your approved FY 2016 Consultation Agreement as authorized by the Occupational Safety and Health Act of 1970. This agreement has been initially approved at the base award level of \$1,834,000 pending final Congressional and executive action on the Occupational Safety and Health Administration's (OSHA) appropriations bill.

Approval of the Agreement includes approval of the Consultation Project Plan. The Project Plan provides the framework for monitoring and evaluating the State performance in administering the Consultation program consistent with provisions of the OSHA Strategic Management Plan.

The Federal Financial Report (SF 425) is due 30 days after the end of each Federal fiscal quarter. All funds must be obligated by September 30, 2016. All agreements must be closed 90 days after the end of the performance period and the final financial reports must be submitted by December 29, 2016.

As you are aware, Congress has not completed action on our appropriations bill for FY 2016. Once a final appropriation is enacted, instructions for the submission of a modification, if necessary, will be forwarded to recipients. We anticipate that initial FY 2016 Federal funding may be provided under a short-term Continuing Resolution (CR). Cash drawdowns through the Department of Health and Human Services - Payment Management System (DHHS-PMS) are controlled based on the amounts apportioned by the Office of Management and Budget (OMB) under the CR. We will update the Payment Management System within 48 hours of notification by OMB of authorized funding levels. Recipients can query the Payment Management System at any time to review the availability of FY 2016 funds.

Questions regarding this letter should be discussed with your Regional Administrator.

Sincerely,

2. b

Xub GAM-Kimberly A. Locey Director Administrative Programs

Enclosure

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Page 1 of                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US: DEPARTMENT OF LABOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                    |
| Occupational Safety and Health Administratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                    |
| Consultation Services<br>Agreement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Grantee: Board of Regents, University<br>of Wisconsin                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Grant Number: cs-27098-cs6                                                                                                                                                         |
| OSHA 21(d) CONSULTATION<br>PROGRAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Starting Date: October 1, 2015<br>Ending Date: September 30, 2016                                                                                                                  |
| (2) Recipient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (3) U.S. Department of Labor                                                                                                                                                       |
| Wisconsin Occupational Health Laboratory<br>2601 Agriculture Drive<br>Madison, Wisconsin 53718<br>Steve Strebel, Director, WOHL<br>Recipient Liaison Representative<br>(608) 224-6216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Douglas J. Kalinowski, Director<br>Occupational Safety and Health Administration<br>Directorate of Cooperative and State Programs<br>OSHA Liaison Representative<br>(202) 693-2200 |
| (4) Authority for Grant: P.L. 105-197, under Se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ection 21(d)                                                                                                                                                                       |
| 1. Federal Base Award Amour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nt: <u>\$1,834,000</u>                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                    |
| Uniform Administrative Requirements, Cost Principles, and Audit Red<br>2 CFR Part 200: Uniform Administrative Requirements, Cost Principles, a<br>2 CFR Part 2900: DOL Exceptions to 2 CFR Part 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | guirements:<br>and Audit Requirements, Final Rule                                                                                                                                  |
| Terms in the preditions of the Grants are an a second second the transfer of the term of term | or is well as the entry grant application.                                                                                                                                         |
| (5) Recipient Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (6) Federal Approval                                                                                                                                                               |
| Brenda Egan 7/30/2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Xub GAM SEP 2 3 2015                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Kimberly A/Ldcey, Director Date                                                                                                                                                    |
| Signature Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Administrative Programs                                                                                                                                                            |
| Signature Date Brenda Egan, Managing Officer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                    |

## U.S. Department of Labor

Occupational Safety and Health Administration Washington, D.C. 20210

Reply to the attention of:



# SEP 2 3 2015

Dr. Charles D. Brokopp Director University of Wisconsin State Laboratory of Hygiene Board of Regents University of Wisconsin System Room 239 Stovall Building 465 Henry Mall Madison, Wisconsin 53706

Dear Dr. Brokopp:

Enclosed is your approved FY 2016 Consultation Agreement as authorized by the Occupational Safety and Health Act of 1970. This agreement has been initially approved at the base award level of \$1,761,800 pending final Congressional and executive action on the Occupational Safety and Health Administration's (OSHA) appropriations bill.

Approval of the Agreement includes approval of the Consultation Project Plan. The Project Plan provides the framework for monitoring and evaluating the State performance in administering the Consultation program consistent with provisions of the OSHA Strategic Management Plan.

The Federal Financial Report (SF 425) is due 30 days after the end of each Federal fiscal quarter. All funds must be obligated by September 30, 2016. All agreements must be closed 90 days after the end of the performance period and the final financial reports must be submitted by December 29, 2016.

As you are aware, Congress has not completed action on our appropriations bill for FY 2016. Once a final appropriation is enacted, instructions for the submission of a modification, if necessary, will be forwarded to recipients. We anticipate that initial FY 2016 Federal funding may be provided under a short-term Continuing Resolution (CR). Cash drawdowns through the Department of Health and Human Services - Payment Management System (DHHS-PMS) are controlled based on the amounts apportioned by the Office of Management and Budget (OMB) under the CR. We will update the Payment Management System within 48 hours of notification by OMB of authorized funding levels. Recipients can query the Payment Management System at any time to review the availability of FY 2016 funds.

Questions regarding this letter should be discussed with your Regional Administrator.

Sincerely,

Xub GA Kimberly A. Locey Director Administrative Programs

Enclosure

|                                                                                                                                 | Page 1 of 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U.S. DEPARTMENT OF LABOR<br>Occupational Safety and Health Administration                                                       | (1) Region: <u>5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                 | State: Wisconsin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| COOPERATIVE                                                                                                                     | Grantee: Univ. of Wisconsin SLH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| AGREEMENT                                                                                                                       | Grant Number: CS-27097-CS6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OSHA 21(d) CONSULTATION                                                                                                         | Starting Date: October 1, 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM                                                                                                                         | Ending Date: September 30, 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| GEDA 17.604 Consultation Agreement                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (2) Recipient                                                                                                                   | (3) U.S. Department of Labor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Name:                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brenda A. Egan                                                                                                                  | US Department of Labor - OSHA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Address:<br>21 N. Park St. Room 6401                                                                                            | 230 South Dearborn St., 32nd Floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Madison WI 53715                                                                                                                | chicago, IL 60604                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| madison wi 53/10                                                                                                                | Nick Walters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Recipient Liaison Representative                                                                                                | OSHA Liaison Representative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 608-262-9029                                                                                                                    | 312-353-2220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Area Code and Telephone Number                                                                                                  | Area Code and Telephone Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (4) Authority for Grant: P.L. 105-197, under Section 21(d)                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                 | Pct. Total Funds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1. Federal Base Award Amount:                                                                                                   | (Nearest 0.1 %)<br>\$1,761,800 90.1%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| i, rederal base Award Amount.                                                                                                   | \$1,701,000 50.178                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2. 100% Federal Funds for                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Travel and Training:                                                                                                            | \$45,370                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (please also include in line 1)                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3. Total Recipient Share:                                                                                                       | \$193,798 9.9%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4. Recipient 100% Funding:<br>(please also include in line 3)                                                                   | \$3,084                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5. Total State and Federal Funds                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Allocated to This Agreement:<br>(line 1 plus line 3)                                                                            | \$1,955,598 100.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (Iniform Artinipinteeline Denuisements, Cost Brighting, and Aut                                                                 | B Bassimante                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Uniform Administrative Regulmements, Cost Principles, and Aud<br>2 CFR Part 200: Uniform Administrative Regulirements, Cost Pri |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2 CFR Part 2900: DOL Exceptions to 2 CFR Part 200                                                                               | and the second se |
| Terms and Conditions of the Grant:                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| This GRANT AGREEMENT includes the award n<br>grant application. Including all-attachments - exh                                 | otification letter as well as the entire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (P) P 1 1 1 1 1 1                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (5) Recipient Approval                                                                                                          | (6) Federal Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                 | SEP 2 3 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Brenda Eggen \$113/15                                                                                                           | Nuch Abo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Signature Date                                                                                                                  | Kimberly A. Locey Director Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brenda A. Egan                                                                                                                  | Administrative Programs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Managing Officer                                                                                                                | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type Name and Title                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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# Cytotechnology Programs Review Committee

Committee on Accreditation

September 10, 2015

Michelle A. Smith, SCT(ASCP) Director, School of Cytotechnology Wisconsin State Laboratory of Hygiene 465 Henry Mall Madison, WI 53706

Dear Michelle:

In an effort to recognize the on-going pursuit of compliance and self-improvement of cytotechnology education programs, the CPRC has developed criteria for the potential extension of a given Program's current accreditation cycle. The Cytotechnology Programs Review Committee (CPRC) met recently to review eligible Programs for Continuing Accreditation-cycle Extensions, to include the School of Cytotechnology Program at Wisconsin State Laboratory of Hygiene (WSLH).

On July 18, 2013, the Program was granted Continuing Accreditation for 3 years by the Commission on Accreditation for Allied Health Education Programs (CAAHEP). Approximately 18 months prior to the commencement of the next Continuing Accreditation cycle, Cytotechnology Programs are reviewed for potential extensions.

As you know, the School of Cytotechnology at WSLH went through quite a transitional period prior to CAAHEP's accreditation action in 2013, and the 3-year accreditation period is based on the following criteria:

# 3 year cycle criteria

- Any one or more of the 3-year average outcomes, since last accreditation review, are below CPRC-established thresholds <u>and/or</u> Program has not consistently submitted its outcomes data, analysis and action plan(s) as a result of outcomes assessment, but has demonstrated good faith effort to resolve issues and has shown improvement;
- Annual Reports have consistently had missing data but Program has demonstrated good effort to obtain, analyze and submit data;
- Program has history of progress reports that are on-going, but has demonstrated good faith
  effort to resolve issue and has shown improvement;

A program currently in a 3-year accreditation cycle, based on the above criteria, may be considered for accreditation cycle extension if all 5-year criteria have been met:

SPONSORING SOCIETIES









# Cytotechnology Programs Review Committee

Committee on Accreditation

5 year cycle criteria

- All 3-year average outcomes, since last accreditation review, meet the CPRC-established thresholds;
- Annual reports have consistently had missing data, but Program has demonstrated good faith effort to obtain, analyze and submit data;
- Concerns were identified during self-study process, but Program has demonstrated willingness to develop and implement an action plan to resolve issues;
- Program has history of progress reports, but has demonstrated resolution of issues.

The School of Cytotechnology has met the criteria noted above; additionally:

- Progress Report submitted in October 2013 was deemed satisfactory.
- Annual Reports have improved consistently in the past two years with detailed analyses and action plans a needed.
- Program officials have made an effort to resolve identified issues, which began with submission
  of a detailed "Plan of Correction."

I am pleased to report that the CPRC has granted an accreditation-cycle extension from 3- to 5-years Continuing Accreditation. The Program's next accreditation cycle will begin in October 2017 with the request for a Self-Study Report to be submitted in six months.

CAAHEP will be informed of this Continuing Accreditation-cycle Extension, at which point you will receive a confirmation letter from them.

Congratulations to you and the School's faculty for continuous improvements of cytotechnology education!

Sincerely,

Typhanie Klan Kan

Stephanie Hamilton, EdD, MB, SCT(ASCP)<sup>CM</sup>, Chair Cytotechnology Programs Review Committee

cc Daniel F. I. Kurtycz, MD



SPONSORING SOCIETIES -





# APHL, CDC and WSLH to Provide Viral Proficiency Testing Panel

APHL and CDC, in collaboration with the Wisconsin State Laboratory of Hygiene, are providing a performance evaluation exercise for measles and mumps PCR testing. The panel of five samples is expected to ship the week of October 26, 2015. Public health laboratories are invited to participate in this exercise by submitting the <u>registration</u> form to WSLH by October 9, 2015. Please contact WSLH's Amanda Weiss at amanda.weiss@slh.wisc.edu for questions regarding the exercise or panel.

# WSLH to Provide Bacterial Meningitis Proficiency Testing Panel

APHL and CDC, in collaboration with the Wisconsin State Laboratory of Hygiene (WSLH), are providing a performance evaluation exercise for *Haemophilus influenzae*, *Streptococcus pneumoniae* and *Neisseria meningitidis* PCR testing and molecular typing/grouping. The panel of six samples is expected to ship the week of September 28, 2015. Public health laboratories are invited to participate in this exercise by submitting the registration form to WSLH by August 28, 2015. Please contact WSLH's Amanda Weiss at

amanda.weiss@slh.wisc.edu for questions regarding the exercise or the panel.



2601 Agriculture Drive • Madison, WI 53718 • (800) 462-5261 • (608) 265-1111

# 2015 Measles & Mumps PCR Performance Evaluation Program Enrollment Form

| If your laboratory participated in a previous CDC educational |  |
|---------------------------------------------------------------|--|
| exercise, please provide your WSLH PT ID number               |  |

Nucleic Acid Extraction instrument/reagent:

Real Time Platform (Instrument w/ model number and software version):

| Does your lab use the    | CDC real time PCR assay/protocol? _ |
|--------------------------|-------------------------------------|
| (If not, please specify) |                                     |

|                     | Ship samples to:                          |
|---------------------|-------------------------------------------|
| Facility Name:      |                                           |
| Contact Name:       |                                           |
| Dept, Rm, Ste, etc: |                                           |
| Street Address:     |                                           |
| PO Box:             | N/A Samples cannot be shipped to a PO Box |
| City/State/Zip:     |                                           |
| Country (if not US) |                                           |
| Email:              |                                           |
| Phone:              | ( )                                       |

| -                   | Send reports/evaluations to: |
|---------------------|------------------------------|
| Facility Name:      |                              |
| Contact Name:       |                              |
| Dept, Rm, Ste, etc: |                              |
| Street Address:     |                              |
| PO Box:             |                              |
| City/State/Zip:     |                              |
| Country (if not US) |                              |
| Email:              |                              |
| Phone:              | ( )                          |

Return form to: (email) amanda.weiss@slh.wisc.edu or (fax) 608-265-1111

# Promotions

Jennifer Laffin, Ph.D., FACMG Associate Professor, Department of Pediatric University of Wisconsin-Madison, School of Medicine and Public Health

# Appointments

Patrice Held, PhD., FACMG Adjunct Appointment, Department of Population Health Sciences University of Wisconsin-Madison, School of Medicine and Public Health

Curtis Hedman, Ph.D. Adjunct Appointment, Department of Population Health Sciences University of Wisconsin-Madison, School of Medicine and Public Health

# 2015 Graduates WSLH

# American Board of Medical Genetics & Genomics Fellowships

Christopher Vlangos, Ph.D., <u>Clinical Molecular Genetics Fellow</u> Fellow @ WSLH, 7/15/13-7/14/15 Passed ABMGG Exam, **Board Certified in Clinical Molecular Genetics** 

Currently:

Assistant Professor, Department of Pathology Assistant Director, Molecular Diagnostics Laboratory Virginia Commonwealth University, Richmond, Virginia

Catherine Paschal, Ph.D., <u>Clinical Cytogenetics Fellow</u> Fellow @ WSLH, 7/1/13-06/30/15 Passed ABMGG Exam, **Board Certified in Clinical Cytogenetics** 

Currently:

Completing her <u>Clinical Molecular Genetics Fellowship</u>, Wisconsin State Laboratory of Hygiene 7/1/15-6/30/16, this additional year is required to obtain the 2<sup>nd</sup> certification.

# The Paris System for Reporting Urinary Cytology

Dorothy L. Rosenthal Eva M. Wojcik Daniel F. I. Kurtycz *Editors* 



# Contents

# I Pathogenesis of Urothelial Carcinoma

Eva M. Wojcik Stefan E. Pambuccian

# 2 Adequacy of Urine Specimens (Adequacy)

Matthew T. Olson Gilliz A. Barkan Monique Courtade-Saïdi Z. Laura Tabatabai Yuji Tokuda Toyonori Tsuzuki Christopher J. VandenBussche

# 3 Negative for High-Grade Urothelial Carcinoma (Negative)

Dorothy L. Rosenthal Michael B. Cohen Hui Guan Christopher L. Owens Yuji Tokuda Eva M. Wojcik

# 4 Atypical Urothelial Cells (AUC)

Güliz A. Barkan Tarik M. Elsbeikh Daniel F. I. Kurtycz Sachiko Minamiguchi Hiroshi Ohtani Eric Piaton Spasenija Savic Prince Z. Laura Tabatabai Christophor I. VandenBussche

# 5 Sumicious for High-Grade Urothelial Carcinoma (Suspicious)

Fadi Brimo Manon Auger Tarik M. Elshcikh Hui Guan Mitsuru Kinjo Eric Platon Dorothy L. Rosenthal Tatsuro Shimokama Rosemary H. Tambouret

# 6 High-Grade Urothelial Carcinoma (HGUC)

Morrin T. Siddiqui Guido Fadda Jee-Young Han Christopher L. Owens Z. Laura Tabatabai Toyonori Tsuzuki

# 7 Low-Grade Urothelial Neoplasia (LGUN)

Eva M. Wojcik Tatjiana Antic Ashish Chandra Machael B. Cohen Zulfia McCroskey Jac Y. Ro Taizo Shiraish

# 8 Other Maliguancies Primary and Metastatic and Miscellaneous Lesions

Rana S. Hoda Stefan E. Pambuccian Jac Y. Ro Sun Hec Sung

# 9 Ancillary Studies in Urinary Cytology

Lukas Bubendorf Nancy P. Caraway Andrew H. Fischer Ruth L. Katz Matthew T. Olson Fernando Schmitt Margareta Strojan Fležar Theodorus H. Van Der Kwast Philippo Violh

# 10 Cytopreparatory Techniques

Gary W. Gill William N. Crabtree Deidra P. Kelly

# **11 Clinical Management**

Marcus L. Quek Trinity J. Bivalacqua Ashish M. Kamat Mark P. Schoenberg

| The Bethesda System<br>for Reporting<br>Cervical Cytology |                                                                          |                                           | Definitions, Criteria,<br>and Explanatory Notes        | Third Edition                                                                                                   |                      | David C. Wilbur<br>Editors                                                                                        | 🖄 Springer |  |
|-----------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------|------------|--|
| Nayar · Wilbur <i>Eds.</i>                                | 5                                                                        | The<br>Rep                                | Betheso<br>orting C                                    | la Syst<br>ervical                                                                                              | em f<br>Cyto         | or<br>ology                                                                                                       | 3rd Ed     |  |
| <ol> <li>Specimen Adequacy</li></ol>                      | <ul> <li>and Ann T. Moriarty</li> <li>A typical Squamous Cells</li></ul> | 5 Epithelial Cell Abnormalities: Squamous | <ol> <li>Epithelial Abnormalities: Glandular</li></ol> | Sana O. Tabbara and Walid E. Khalbuss         8. Anal Cytology         • Teresa M. Darragh and Joel M. Palefsky | 9 Adjunctive Testing | 10 Computer-Assisted Interpretation of Cervical Cytology 295<br>David C. Wilbur, Marianne U. Prey, and Ritu Nayar | , v        |  |

Improving Data Reliability and Laboratory Efficiency Testing of Fluoroquinolones in Fatty and Non-Fatty Fish Samples with One Method using Automated Solid Phase Extraction and New Consumable Technologies

Toni Hofhine, Horizon Technology, Inc., Salem, NH USA Curtis Hedman and David Rogers, Wisconsin State Laboratory of Hygiene, Madison, WI, USA, Robert Buco, Richard Koeritz, and Zachary Lilla, Shimadzu Scientific Instruments, Marlborough, MA, USA,

Michael McGinley, Phenomenex, Torrance, CA, USA,

Rob Freeman, Ty Kahler, and Rick Lake, Restek, Bellefonte, PA, USA

# APPLICATION NOTE



## Key Words

Aquaculture, Fluoroquinolones, Antibiotics, Solid Phase Extraction (SPE), Food and Agriculture Organization of the United Nations (FAO), National Oceanic and Atmospheric Administration Fisheries (NOAA), Food and Drug Administration (FDA), ultra High Performance Liquid Chromatograph (uHPLC)

# Introduction

The global demand for fish as a natural source of fresh animal protein, essential fats, minerals, and vitamins continues to rise with the human population. It is estimated that natural fish resources will not be sustainable, creating the need to increase the available supply of fish through aquaculture. According to the Food and Agricultural Organization of the United Nations (FAO), growth in the global fish supply was at an average growth rate of 3.2% per year during 1961–2009, outpacing the global population growth of 1.7% per year within the same time frame<sup>1</sup>. To keep up with the global demand, fish farming is projected to increase to an annual 6.4% growth rate through 2018, with a projected market value of \$164 billion<sup>2</sup>.

Fish farming is a growing commodity; however, the regulation of small and large fish farms will be critical for food safety on a global scale. According to the FAO, 37% of the fish produced is internationally traded<sup>1</sup>. China leads the world in exports of aquaculture at 61%<sup>3</sup>, while the USA leads the world in imports of fish, with over 50% sourced from aquaculture<sup>4</sup>. Grown in close proximity, fish within an aquaculture environment can develop disease and impact aquaculture economic trade. The mechanisms for keeping fish healthy and free of disease is regulated within each country, often prompting the use of antibiotics in the water; however, the misuse of large antibiotic doses has increased attention on the impact to human health and thus the testing of aquaculture according to country specific food safety regulations.

Fluoroquinolones are a commonly used fluorine subclass group of quinolones that are effective against gram negative bacteria<sup>1</sup>. Popular for their use in aquaculture, fluoroquinolones consumed in high levels have contributed to the development of antibiotic resistance in the human population<sup>5,6</sup>. Concerns prompted the FDA to ban the use of fluoroquinolones in food producing animals in 1997<sup>7</sup>. To regulate the use and level of fluoroquinolone antibiotics in fish from imports or aquaculture within the USA, the FDA routinely inspects domestic and imported aquaculture operations and recommends a standard method for the routine testing of four frequently used fluoroquinolone antibiotics in fish<sup>8</sup>.



Since the October 2003 implementation of the FDA regulatory method, many new consumable technologies and improved automated systems are widely available to increase laboratory efficiency and generate more

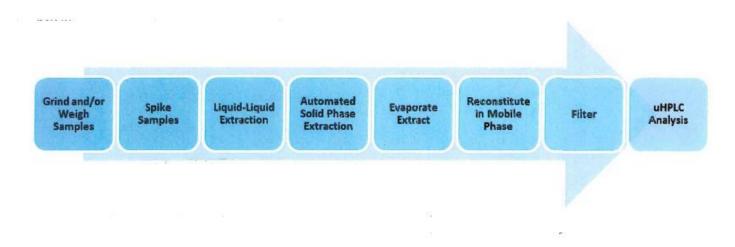
SmartPrep Extractor for a wide range of sample matrices

confidence in obtained results. Through the use of more effective sample preparation consumables, automated solid phase extraction of fatty fish and non-fatty fish samples was performed using the SmartPrep® Extractor to compare overall recovery and matrix cleanup effectiveness from two solid phase extraction cartridges of differing sorbent properties. Sample extracts were analyzed on an uHPLC system using enhanced column sorbent technology. The results demonstrate improved recovery and superior chromatography peak shape for more reliable identification of fluoroquinolones in less run time than the standard FDA method.

# Experimental

Fish samples were selected based on their fat content to provide both a low fat and high fat matrix for method development testing across a large range of fat content in fish. Only the fillets of each fish matrix were used for testing of fluoroquinolones. Fat content was tested separately following the grinding process for each matrix using gravimetric analysis. White bass fillets represented the low-fat fish matrix, with tested levels of fat content at 0.66%. Trout fillets represented the high-fat fish matrix, with tested levels of fat content at 18.2%.

Every effort was made to follow the existing steps and procedures outlined in the October 2003 fluoroquinolone FDA method, substituting consumables and thus respective solvents. Below is an overview of the multiple steps performed. Details for each step (pre-preparation, liquid-liquid extraction, solid phase extraction, evaporation, and analysis) are outlined below.





# COLLEGE of AMERICAN PATHOLOGISTS

October 20, 2015

Charles D. Brokopp, MPH,MT(ASCP),DRPH Wisconsin State Laboratory of Hygie 465 Henry Mall Madison, WI 53706-1501

Dear Dr. Brokopp:

We would like to thank you for conducting the recent inspection at Cadham Provincial Laboratory.

As you know, the continuing success of the CAP's Laboratory Accreditation Program depends on the contribution of time and professional expertise by inspectors like you. Inspectors are the individuals responsible for making this program one of the best examples of peer review in American medicine today. Through your commitment to excellence, the College's Laboratory Accreditation Program has gained the recognition as the "gold standard" in laboratory accreditation. We greatly appreciate the time and efforts you have committed to this inspection and hope you will relay these feelings to your inspection team members.

Again, thank you for your participation.

Sincerely,

Mary & Regnicele

Mary J. Reznicek, MD North Central Regional Commissioner

MScanlan

Richard M. Scanlan, MD, Chair, Commission on Laboratory Accreditation



October 1, 2015

Charles D. Brokopp, MPH,MT(ASCP),DRPH Wisconsin State Laboratory of Hygie 465 Henry Mall Madison, WI 53706-1501

Dear Dr. Brokopp:

We would like to thank you for conducting the recent inspection at New Mexico Department of Health.

As you know, the continuing success of the CAP's Laboratory Accreditation Program depends on the contribution of time and professional expertise by inspectors like you. Inspectors are the individuals responsible for making this program one of the best examples of peer review in American medicine today. Through your commitment to excellence, the College's Laboratory Accreditation Program has gained the recognition as the "gold standard" in laboratory accreditation. We greatly appreciate the time and efforts you have committed to this inspection and hope you will relay these feelings to your inspection team members.

Again, thank you for your participation.

Sincerely, all.

Earle S. Collum, MD West Central Regional Commissioner

Macanlan

Richard M. Scanlan, MD, Chair, Commission on Laboratory Accreditation



Matthew H. Mead Governor

State of Wyoming **Department of Workforce Services** 

DIVISION OF WORKERS' COMPENSATION 1510 East Pershing Boulevard, South Wing Cheyenne, Wyoming 82002 http://www.wyomingworkforce.org



Joan K. Evans Director Lisa M. Osvold **Deputy Director** 

June 9, 2015

Wisconsin Occupational Health Laboratory Attn: Steve Strebel 2601 Agriculture Drive Madison, WI 53718

Dear Steve:

I just wanted to take a moment to express our thanks to you and your staff. Your lab recently provided advice, guidance and express service to the Wyoming OSHA Division on mercury sampling. Your services and guidance were very professional and timely. Due to the "rush" priority we received from your laboratory, we were able to relieve the anxiety of the entire community of Buffalo, Wyoming.

We very seldom have the need to sample for mercury. The rapid response we received from your lab for both the supplies and the analysis were remarkable. It is comforting to know that we can rely upon the professionalism and abilities of your laboratory.

Thanks again for support, and please let me know if we can ever return the favor.

Sincerely, John Ysebaert, \$PHR

Administrator, Standards & Compliance Department of Workforce Services

Cc: Karen Godman, Manager Wyoming OSHA Consultation Dan Bulkley, Deputy Administrator, Wyoming OSHA

CORR Revised 04/15 Page 1 of 1

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# WSLH RETIREES TOUR NEW FACILITIES AT AG DRIVE

On October 22nd, Dr. Brokopp welcomed former members of the WSLH to the Ag Drive for a tour of the new facilities. Dr. Brokopp was on hand to welcome the group and began by giving some background about the building design, construction and commissioning process. He provided specific examples of the many challenges staff have faced as the lab moves closer to final commissioning—a requirement before full occupation. Steve Strebel, Director, Occupational Health Division, and Dr. Pat Gorski, ESS Supervisor & Researcher, escorted the former employees through new and renovated areas of Environmental Sciences, pointing out changes to the dock and Shipping and Receiving areas, and identifying other spaces where some of the retirees had worked previously. Kristine Hansberry, Director of Laboratory Improvement Division, provided an historical perspective of proficiency testing, including its growth into international programs. Dr. Pete Shult, Director of Communicable Disease Division, and Audrey Prieve, Manager, CDD, described the rapid transition of laboratory testing to molecular methods: they explained that these and other technological changes necessitated some redesign of their space in the Ag Drive facility. Following the tour, Dr. Brokopp spoke candidly about the recent budget deliberations and what the future may hold for the WSLH. Retirees expressed their relief that the WSLH remained attached to the University of Wisconsin and that it is able to continue to serve its mission to state and local units of government and the people of Wisconsin. While thanking their tour guides, the WSLH retirees asked that congratulations be passed along to other WSLH leaders and staff, applauding everyone for their commitment to excellence in laboratory science and public health research.



Left to right: Nancy Sparks (back to camera), Dave Degenhardt, Dr. Rik, Dr. Stan Inhorn, Steve Strebel (back to camera)



Left to right: Nancy Sparks, Dr. Bill Sonzogni, John Strauss, Dr. Brokopp, Karen Kennedy-Parker



Left to right: Dr. Rik, Jane LaFlash, Terry Kurzynski, Dr. Stan Inhorn, Doug Dube



Left to right: Dr. Rik, Nancy Sparks, Phil Wand, Jane LaFlash, Mazie Webb, Terry Kurzynski, Dr. Brokopp, John Strauss, Dr. Inhorn, Kris Hansbery



Left to right - Back row: Doug Dube, John Strauss, Pat Gorski, Terry Kurzynski, Dr. Bill Sonzogni

Middle row: Peggy Hintzman, Dr. Rik, Dr. Inhorn, Dr. Pete Shult, John Pfizer Front row: Jane LaFlash, Phil Wand, Nancy Sparks, Karen Kennedy-Parker, Mazie Webb