

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21, 2015
Madison, Wisconsin**

DATE: April 15, 2015

TO: Chancellor Rebecca Blank, UW-Madison – Darrell Bazzell, Designated Representative
Kitty Rhodes, Secretary, DHS – Karen McKeown, Designated Representative
Cathy Stepp, Secretary, DNR – John R. Sullivan, 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 Irmien, Member

Steven Geis, DNR Alternate
Ron Arneson, DNR Alternate
Scott Hildebrand, UW-Madison Alternate
Steven Sobek, DATCP Alternate
Charles Warzecha, DHS Alternate

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
April 21, 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**

Tuesday, April 21, 2015

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 1:00 p.m. on Tuesday, April 21st, 2015 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 D. Brokopp, DrPH
Secretary, Wisconsin State Laboratory of Hygiene Board of Directors
Director, Wisconsin State Laboratory of Hygiene
April 15, 2015

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015
1:00 P.M. – 4:00 P.M.

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

AGENDA

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Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

PROCEDURAL ITEMS

Item 1. APPROVAL OF MINUTES

Description of Item:

The draft minutes of the February 10th, 2015 board meeting are submitted for approval.

Suggested Board Action:

Motion: Approve the draft minutes of the February 10th, 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: <http://www.slh.wisc.edu/about/board/board-meetings-agendas-and-minutes/>.

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015
1:00 P.M – 4:00 P.M.
2601 Agriculture Drive
Madison, WI 53718**

**APPROVED MINUTES
February 10th, 2015**

MEMBERS PRESENT: Dr. Robert Corliss (Vice-Chair), Jeffery Kindrai, Charles Warzecha (on behalf of Karen McKeown), Darrell Bazzell, James Morrison, Jack Sullivan, Carrie Lewis, Dr. Charles Brokopp

WSLH STAFF PRESENT: Dr. Peter Shult, Dr. David Warshauer, Dr. Daniel Kurtycz, David Webb, Cynda DeMontigny, Marie Ruetten, Steve Marshall, Steve Strebel, Kristine Hansbery, Amy Miles, Michele Smith, Erin McCarthy and Nathaniel Javid

DNR STAFF PRESENT: Steve Geis, Ron Arneson

GUESTS PRESENT: Darren Berger, Dave Guberud, Rebecca Moritz

Vice-Chair Dr. Robert Corliss called the meeting to order at 1:00 P.M. in Chair Barry Irmen's absence.

Item 1. UPDATE ON BOARD MEMBERSHIP

Dr. Brokopp introduced Michelle Wachter, the new representative from the Department of Agriculture Trade and Consumer Protection (DATCP). Ms. Wachter is the Division Administrator for the Division of Management Services at DATCP with 33 years of state service, including 28 years in management. Dr. Brokopp had the Board introduce themselves to Ms. Wachter. Dr. Brokopp also recognized two former board members who have since resigned. Susan Buroker (DATCP) retired early January 2015 and Dr. Ruth Etzel (UW-Milwaukee Zilber School of Public Health) accepted a position with the Environmental Protection Agency and has moved from Wisconsin. Dr. Brokopp asked the Board to adopt a motion to recognize the service of Ms. Buroker and Dr. Etzel. Jack Sullivan approved the motion seconded by Dr. Robert Corliss.

Item 2. APPROVAL OF MINUTES

Approve the minutes of the November 4, 2014 board meeting as submitted. Jeffery Kindrai made a motion to approve, seconded by Carrie Lewis. Jack Sullivan abstained. The motion passed on a unanimous vote.

Item 3. REORGANIZATION OF AGENDA

There was no reorganization of the agenda.

Item 4. PUBLIC APPEARANCES

There were no public appearances.

Item 5. BOARD MEMBERS' MATTERS

Dr. Brokopp asked Board members from state agencies to comment on the Governor's recent budget proposal and the impact on their respective agency. Jack Sullivan (DNR) mentioned that position reductions and reduction targets, among others will be implemented to manage the challenge we have been given. Chuck Warzecha (DHS) and Michelle Wachter (DATCP) echoed that they will be preparing with position reductions and reduction targets along with determining what the next steps will be.

Item 6. ELECTION OF OFFICERS

Jack Sullivan made a motion to nominate Dr. Robert Corliss for the position of Chair and Jeffrey Kindrai for the position of Vice-Chair, and Dr. Charles Brokopp for Secretary for the 2015-16 term. Chuck Warzecha seconded the motion and Jeffery Kindrai and Dr. Robert Corliss abstained. The motion passed unanimously.

Item 7. SCIENTIFIC PRESENTATIONS

Dr. Daniel Kurtycz, Medical Director, WSLH introduced the scientific presentations from the WSLH Disease Prevention Division. Dr. Kurtycz provided the Bethesda System 2014 update. The Bethesda System for cervical cytology is the reporting system that most of the world uses for the diagnosis and reporting of Pap test results. It was begun in 1988 to simplify reporting and to establish uniformity. Dr. Stanley Inhorn (WSLH Laboratory Director 1966-1980) was very involved in the initial effort and more recently, Dr. Ritu Nayar of Northwestern University and Dr. David Wilbur of Harvard University initiated the first revision of the system in over a decade. Since the federal budget sequestration, the NIH has not had funding to support conferences, website and infrastructure for these types of efforts. In response, the American Society of Cytopathology stepped in to update the system for reporting. The ASC held the needed conferences and provided the office support. Dr. Kurtycz was asked by Drs. Nayar and

Wilbur to write one of the chapters and manage the images for the new book. The University of Wisconsin provided logistical support for a significant portion of the electronic communications surrounding the project. The chapter written by Dr. Kurtycz is one of the longest and describes the basic cellular morphology central to cytologic analysis in addition to various inflammatory, reactive and infectious conditions.

Dr. Kurtycz mentioned that a website update will also be updated following this publication. There will be many more images than on the previous site, incorporating modern microscopy while maintaining some original examples. Search capabilities will be maintained and enhanced. The website will hopefully go live in the next several months. A new section on virtual microscopy will be added to the website. Although we do not plan to put virtual images on the initial revised website, we will generate a slide set of major entities within the next year. Plans are in the works to make an iPad version as an adjunct to the printer version of the book.

Dr. Kurtycz introduced Erin McCarthy, WSLH Section Supervisor in Cytology. This year she was engaged in an effort studying human papillomavirus (HPV) in our population. She received a presentation award for her efforts. Ms. McCarthy presented on “Molecular Testing and Cervical Screening: Will One Test Fit All?” The current guidelines for cervical cancer screening recommend either a Pap test on its own, or a combination of Pap and HPV tests to determine the presence or risk of developing cervical cancer. Screening intervals range from 1-5 years, depending on individual history or risk. The Pap test has been around for over 70 years and is the tried and true method for diagnosing cancerous and pre-cancerous lesions of the cervix. The HPV test is a newer molecular-based test that detects a presence of the virus that is the precursor to cervical lesions. The presence of HPV does not necessarily mean a patient has a lesion, but persistent and multiple infections can eventually lead to their development.

In April of last year, the FDA approved the first molecular HPV test that can be used for primary screening, rather than a traditional Pap test. The approved testing platform is the Cobas HPV test from Roche Diagnostics, which we use in our lab. The method offers detection of fourteen high risk HPV types, as well as genotyping for the two most common types that cause cervical cancer. Ms. McCarthy presented a chart with the most common types of HPV that are associated with cervical cancer. There are over forty types and sixteen are considered to be high risk for cervical cancer. HPV 16 and 18 cause about 70% of cervical cancers in the general American population. Because of their high prevalence and risks, 16 and 18 have been the main focus of research, vaccination efforts, and current screening guidelines. They are the two types that can be genotyped by the Cobas HPV testing as a primary screening tool.

The WSLH cytology lab started using the Cobas HPV test in conjunction with Pap testing in July 2013. A large number of their pap tests with high grade, or pre-cancerous lesions were not positive for either HPV 16 or 18. Instead, the majority were either other high risk types or negative for HPV all-together. From July 2013 through September 2014, we had a total of 365 high grade Pap tests, and 168 of those had concurrent HPV tests and genotyping. Ms. McCarthy presented a chart that summarized the results of

the HPV tests. Only about 44% were positive for HPV 16 or 18, 43% had one or more of the other high risk types, and 13% were negative for HPV all-together. This was surprising because national trends suggest we should be seeing closer to 70% with types 16 and 18.

These unexpected HPV results, it brought up the question “how is our population different?” The WSLH compared their patients with those used in the ATHENA trial, the study used by Roche to gain FDA approval for primary HPV testing. The combination of not getting regular screenings and follow up, along with their higher levels of infection and disease, put WSLH patients at a significantly higher level of risk for developing cancer. Ms. McCarthy noted that the initial results of the study were surprising and that our patients were more high risk than the general population. However, results demonstrate that they do not fit the mold that is being used to establish screening guidelines. We do not know if changes in screening algorithms and the shifting focus to primary HPV screenings will have adverse impacts for our patients. The study is ongoing and we now have over 250 high grade cases with HPV tests. The proportion of HPV negative has grown to over 60%. We are still awaiting genotyping results on these. We will continue to this study and will be publishing the final results later this year.

Dr. Kurtycz introduced Michele Smith, Program Director and Manager, Cytology Services, who has been working with Healthcare Education Training (HCET) to help our partners gain education and maintain women’s health services. Ms. Smith discussed the development of the digital colposcopy library which serves as a multidisciplinary education tool for clinicians and laboratorians. The guidelines for Pap smears continue to change. Around the year 2000, HPV reflex testing was available to test whether or not women had HPV positivity, but the test was only performed on abnormal cases. In 2006, Pap smear and HPV co-testing became the norm. In the future, we will most likely be focusing on the primary HPV test. The screening guidelines have become complicated stating that no women under the age of 20 should receive a Pap smear. Pap screening starts at age 21 with three year screening intervals. The WSLH worked with HCET and WI-DPH to develop a consolidated list of diagnostic guidelines. The pros of this program include strengthening the partnerships between the laboratory and clinic, ensure that all clinics are following the same screening guideline models, fostering continuous dialogue and education between the lab and the clinic and cost savings. Some obstacles from this are a decline in Pap smear volumes and patient visits. The main goals of the program are to provide access to care (testing for Pap & HPV, colposcopy, and surgical biopsy) in all 72 counties in Wisconsin. Our main goal is to develop and maintain a statewide community-based system for colposcopy services with expansion to rural areas as well. Some concerns for this expansion are training, equipment, competition, and competency. We need a way for clinics and clinicians to submit pictures to us in a de-identified manner so we can develop the colposcopy library for family planning clinics. This library will allow whole slide imaging, case studies, and surveys. Ms. Smith also presented several case studies describing Pap test pictures to the Board. In all, the colposcopy library has been a large endeavor but has been very important in improving the lives of women throughout Wisconsin.

Item 8. NEW LABORATORY UPDATE

Dr. Brokopp introduced the new laboratory update to the Board. The DATCP laboratory moved into the new building in January 2014; however, the WSLH has run into some difficulties in securing occupancy. Dr. Brokopp introduced Russ Van Gilder from the Wisconsin Department of Administration Division of State Facilities. Some of the WSLH spaces in the new building are the most complicated components of the plan. As of today, all spaces are able to be occupied with the exception of the BSL-3 suites. The completion and commissioning of the BSL-3 suites has been slow and steady. The principle problems have been achieving reliable and consistent heating, air-conditioning, ventilation, and system controls. We are down to the last few physical adjustments. After that is complete, there will be some final programming of control systems. The budget for the project has been expended.

Dr. Brokopp introduced Darren Berger and Rebecca Moritz from UW Facilities Planning and Management. They are involved in ensuring the laboratory will be successfully registered by the federal government. This includes the Select Agent Program at the CDC. The amount of regulatory oversight of high containment laboratories is formidable. We have challenges ahead given that the budget has been liquidated and there is a lot of work that needs to be completed before the inspection which precedes approval for moving in. The UW has never registered a new facility that must meet the most current federal standards. Ms. Moritz mentioned that if the WSLH splits from the University of Wisconsin, there will be severe ramifications with regards to meeting select agent standards for biosafety and biosecurity.

Dr. Brokopp introduced Dave Guberud, our commissioning agent for the project from the firm Ring & DuChateau. Commissioning exists to ensure all of the systems perform up to a specified standard. The commissioning agent's responsibility is to document that this has happened. Mr. Guberud provided the definition of commissioning as a quality-focused process for enhancing the delivery of a project. The process focuses on verifying and documenting that the facility and all of its systems and assemblies are planned, designed, installed, tested, operated, and maintained to meet the owner's project requirements. Although the process has not happened as quickly as anticipated, we have made progress and are looking for failure scenarios to test the entire system in order to guarantee quality.

Item 9. FISCAL YEAR 2015 FIRST QUARTER REPORT

1) Marie Ruetten, Financial Manager, Wisconsin State Laboratory of Hygiene

Marie Ruetten, Financial Manager, WSLH, presented the FY15 second-quarter report. On an accrual basis, our FY15 year-to-date support and revenue is at \$20,556,177. The

largest line items included in this amount are under laboratory services. With a year-to-date budget of \$21,219,170, we are under budget by \$662,993. We are under budget by \$688,870 year-to-date with \$21,726,210 in expenses from a budget of \$22,415,080. Our net operating income is very close to budget at \$(1,170,033) from the budgeted amount of \$(1,195,910).

On a modified cash basis, capital expenses are added at \$755,910 YTD. Also, with reserve expenditures of \$990,910, we have a modified net operating income of \$55,696. Comparing FY15 to FY14, we have \$1,267,963 less in revenue. This has occurred primarily in agency and non-agency funds. Expenses have increased by \$547,026 compared to last year. In all, we have a net operating loss by \$1,814,989.

Our available working capital as of December 31, 2014 is \$7,059,394 compared to \$7,995,430 as of June 30, 2014. Cash-unrestricted has increased from \$9,064,175 on June 30, 2014 to \$10,843,649 on December 31, 2014. Our cash balance as of September 30, 2014 is \$12,537,979. Subtracting restricted cash, deferred revenue, and encumbered payables, we have an available unrestricted cash balance of \$2,138,345 as of December 31st, 2014.

Item 10. FORENSIC TOXICOLOGY UPDATE

1) Dave Webb, Director, Environmental Health Division, Assistant Director, Wisconsin State Laboratory of Hygiene

Mr. Webb introduced Amy Miles, WSLH Forensic Toxicology Manager, to give the forensic toxicology update to the Board. Since 2012, drug testing turn-around time has decreased by 82%. This translates from around 263 days to only 48 days. This is a strong testament to the hard work of our forensic toxicology staff. We have also reduced our coroner and medical examiner program turn-around time by streamlining testing workflow and devoting two chemists to closely monitor all cases. We have provided regional trainings, began a quarterly webinar, and obtained grant funding to provide trainings. Dr. Brokopp thanked Ms. Miles and her team for all their hard work on this significant accomplishment.

Item 11. LAB FEE COSTING PLAN UPDATE

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

Dr. Brokopp provided the lab fee costing plan update to the Board for their input. In order to address this, a detailed cost assessment of a representative sample of all tests

(102 tests at 7% account for 80% of test volume) was conducted. Results were analyzed based on a cost assessment of selected tests based on revenue (144 tests at 10% account for 80% of test charges). The direct costing variables analyzed included labor, materials, consumable supplies, depreciation and maintenance, interdepartmental expenses, and batch size. Once the cost is established, we will update the fee schedules to include the cost of building leases, information systems, utilities, administrative overhead. Dr. Brokopp presented the timeline for the project to the Board, with the goal of having a proposal completed for presentation to the Board in April.

Item 12. OCCUPATIONAL HEALTH 2015 FEE SCHEDULE

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

Dr. Brokopp briefly presented the proposed fee schedule for the Wisconsin Occupation Health Laboratory (WOHL) on behalf of Steve Strebel, WSLH Occupational Health Division Director. We have not raised WOHL fees since January of 2011. Our fee revenue for WOHL is \$2.3M. We are recommending a 5% increase and expect to bring in an additional \$115,000. Most testing in this laboratory is for out of state contracts. The increase is needed to meet the FY15 budget. We will not be seeking approval for this increase at today's meeting, but will request that the WOHL fee increase be approved by the Board at the April meeting.

Item 13. STRATEGIC MAP UPDATE

1) Steve Marshall, Assistant Director, Wisconsin State Laboratory of Hygiene

Steve Marshall, Assistant Director, Wisconsin State Laboratory of Hygiene, provided the final strategic map update to the Board. The WSLH Strategic Leadership Team (SLT) and Board voted on objectives of the strategic map. Staff have also been assigned to categories for each objective to establish specific metrics and monitor progress throughout the year. There is a project charter for each objective detailing what needs to be done. Ultimately, this will be reviewed by SLT and Dr. Brokopp and shared with the Board. We plan to provide a yearly status update to the Board now that the plan has been implemented.

Item 14. CONTRACTS REPORT

1) 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. Contracts for this period include special projects with

APHL totaling approximately \$380,000 worth of work. Two of these involve the WSLH Communicable Disease Division, one is a national influenza surveillance project, and another is a training project to improve the quality of antimicrobial susceptibility testing. We also have a contract to develop interactive training for newborn screening dried blood spot collection. Several miscellaneous contracts with Florida Power and Light, Puerto Rico Department of Labor, and the Nature Conservancy are also included in the report.

Item 15. DIRECTOR'S REPORT

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

The next WSLH Board Meeting will take place on April 21st, 2015 at the 2601 Agriculture Drive location. At that meeting, the Board will have an opportunity to review the FY16 preliminary budget. Dr. Brokopp asked the Board to review the public and environmental health incidents in the Board packet along with the water systems report. Dr. Brokopp asked Dr. Pete Shult, Director, Communicable Disease Division, WSLH, to provide an update on public and environmental health incidents. Dr. Shult mentioned that we're still actively monitoring the Ebola virus. One element of the preparedness process was to ensure that testing is widely available. One year ago, testing for Ebola was only available in the United States through the CDC. Last fall, the WSLH was approved to perform Ebola testing. We had our first suspect case last week in Madison, WI. Other recent public health incidents we are currently addressing are mumps, flu (with a remarkably severe season due to a significantly less effective annual vaccine), and MERS-CoV.

Dr. Brokopp asked the Board to review the packet for public water system testing for the period of October 1st through December 31st 2014. Dr. Brokopp also noted that the WSLH is continuing its efforts in working on the VCFA's initiatives for employee engagement, inclusion, and diversity. Six workgroups have submitted reports and a lab-wide report is being drafted that includes a review of survey results, recommendations, implementation plans, and evaluation and monitoring metrics. Ultimately, there will be final input from staff, workgroups, SLT and the Board.

Dr. Brokopp concluded the meeting by mentioning the Governor's budget proposal to the Board. Dr. Brokopp said that we will be working with the necessary parties going forward and will be determining what needs to be done to guarantee our success in continuing to serve the people of Wisconsin. There are many concerns that will need to be addressed in the future. Dr. Brokopp noted that these conversations will continue and stressed to the Board the importance of being aware of the issues at hand. Dr. Brokopp mentioned that he will provide an update at the April meeting.

Vice-Chair Robert Corliss made a motion to adjourn meeting at 4:00 P.M. **Jeffery Kindrai** seconded the motion. The motion passed unanimously and the meeting was adjourned.

Respectfully submitted by:

A handwritten signature in black ink that reads "Charles D. Brokopp, DrPH". The signature is written in a cursive, flowing style.

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

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

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

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015**

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 no later than two working days 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.
 - 2. 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 no later than seven (7) working days 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 no later than two (2) working days 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: charles.brokopp@slh.wisc.edu

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

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.

Suggested Board Action:

Receive for information.

Staff Recommendations and Comments:

Receive for information.

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 5. FY15 THIRD QUARTER REPORT

Description of the Item:

Dr. Brokopp will provide the WSLH financial report to the Board.

Suggested Board Action:

Receive for information.

Staff Recommendations and Comments:

Receive for information.

Contents

FINANCIAL STATEMENTS

Statement of income - accrual basis

Statement of income - modified cash basis

Comparative income statement

Comparative balance sheet

Statement of cash flows

Notes to the financial statements

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015**

**WISCONSIN STATE LABORATORY OF HYGIENE
STATEMENT OF INCOME
For the period July 1, 2014 through February 28, 2015
Accrual Basis**

	FY 15 APPROVED ANNUAL BUDGET	FY15 YEAR- TO- DATE BUDGET	FY15 YEAR- TO- DATE ACTUAL	VARIANCE Over/(Under)	VARIANCE % of BUDGET
SUPPORT AND REVENUE					
Laboratory Services Revenues (Note 3)					
Agency	\$ 6,343,772	\$ 4,162,985	\$ 3,781,019	\$ (381,966)	-9.2%
Nonagency	18,715,552	12,328,985	12,061,438	(267,547)	-2.2%
GPR Funding	11,152,523	7,512,887	7,065,927	(446,960)	-5.9%
OWI Fund Revenues	1,523,908	1,019,438	1,113,908	94,470	9.3%
Grant Funding	5,174,751	3,411,881	3,507,462	95,581	2.8%
Interest Income	8,400	5,600	6,867	1,267	22.6%
TOTAL SUPPORT AND REVENUE	42,918,906	28,441,776	27,536,621	(905,155)	-3.2%
EXPENSES					
Salaries	19,511,715	12,843,812	11,716,706	(1,127,106)	-8.8%
Fringe Benefits	7,710,552	5,373,074	4,893,162	(479,912)	-8.9%
Supplies & Services	12,570,504	8,323,254	8,853,255	530,001	6.4%
Transfer Overhead to UW	802,408	538,090	530,160	(7,930)	-1.5%
Building Rent	2,712,175	1,808,105	1,491,832	(316,273)	-17.5%
Depreciation	1,972,789	1,315,193	1,319,592	4,399	0.3%
Bad Debt Expense	80,000	53,312	39,304	(14,008)	-26.3%
Interest Expense	4,200	3,800	1,713	(2,087)	-54.9%
TOTAL EXPENSES	45,364,343	30,258,640	28,845,724	(1,412,916)	-4.7%
NET OPERATING INCOME OR (LOSS)	\$ (2,445,437)	\$ (1,816,864)	\$ (1,309,103)	\$ 507,761	

**Wisconsin State Laboratory of Hygiene
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**WISCONSIN STATE LABORATORY OF HYGIENE
STATEMENT OF INCOME
For the period July 1, 2014 through February 28, 2015
Modified Cash Basis**

	FY 15 APPROVED ANNUAL BUDGET	FY15 YEAR- TO- DATE BUDGET	FY15 YEAR- TO- DATE ACTUAL	VARIANCE Over/(Under)	VARIANCE % of BUDGET
SUPPORT AND REVENUE					
Laboratory Services Revenues (Note 3)					
Agency	\$ 6,343,772	\$ 4,162,985	\$ 3,781,019	\$ (381,966)	-9.2%
Nonagency	18,715,552	12,328,985	12,061,438	(267,547)	-2.2%
GPR Funding	11,152,523	7,512,887	7,065,927	(446,960)	-5.9%
OWI Fund Revenues	1,523,908	1,019,438	1,113,908	94,470	9.3%
Grant Funding	5,174,751	3,411,881	3,507,462	95,581	2.8%
Interest Income	8,400	5,600	6,867	1,267	22.6%
TOTAL SUPPORT AND REVENUE	42,918,906	28,441,776	27,536,621	(905,155)	-3.2%
EXPENSES					
Salaries	19,511,715	12,843,812	11,716,706	(1,127,106)	-8.8%
Fringe Benefits	7,710,552	5,373,074	4,893,162	(479,912)	-8.9%
Supplies & Services	12,570,504	8,323,254	8,853,255	530,001	6.4%
Transfer Overhead to UW	802,408	538,090	530,160	(7,930)	-1.5%
Building Rent	2,712,175	1,808,105	1,491,832	(316,273)	-17.5%
Capital Expense	1,170,559	1,040,891	1,339,767	298,876	28.7%
Bad Debt Expense	80,000	53,312	39,304	(14,008)	-26.3%
Interest Expense	4,200	3,800	1,713	(2,087)	-54.9%
TOTAL EXPENSES	44,562,113	29,984,338	28,865,899	(1,118,439)	-3.7%
NET OPERATING INCOME OR (LOSS)	\$ (1,643,207)	\$ (1,542,562)	\$ (1,329,278)	\$ 213,284	
RESERVE EXPENDITURES	\$ 1,643,207	\$ 1,095,471	\$ 1,496,191	\$ 400,720	
MODIFIED NET OPERATING INCOME/(LOSS)	\$ -	\$ (447,091)	\$ 166,913	\$ 614,004	

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015**

**WISCONSIN STATE LABORATORY OF HYGIENE
COMPARATIVE INCOME STATEMENT
For the 8 months ended February 28, 2015 and February 28, 2014**

	8 Months Actual FY15	8 Months Actual FY14	Variance Over/(Under)	Percentage Change
SUPPORT AND REVENUE				
Laboratory Services Revenues (Note 3)				
Agency	\$ 3,781,019	\$ 4,258,930	\$ (477,911)	-11.2%
Nonagency	12,061,438	13,411,823	(1,350,385)	-10.1%
GPR Funding	7,065,927	6,953,182	112,745	1.6%
OWI Fund Revenues	1,113,908	863,338	250,570	29.0%
Grant Funding	3,507,462	3,077,183	430,279	14.0%
Interest Income	6,867	6,128	739	12.1%
TOTAL SUPPORT AND REVENUE	27,536,621	28,570,584	(1,033,963)	-3.6%
EXPENSES				
Salaries	11,716,706	11,356,867	359,839	3.2%
Fringe Benefits	4,893,162	4,677,792	215,370	4.6%
Supplies & Services	8,853,255	8,940,109	(86,854)	-1.0%
Transfer Overhead to UW	530,160	491,580	38,580	7.8%
Building Rent	1,491,832	1,232,894	258,938	21.0%
Depreciation	1,319,592	1,220,100	99,492	8.2%
Bad Debt Expense	39,304	74,959	(35,655)	-47.6%
Interest Expense	1,713	2,733	(1,020)	-37.3%
TOTAL EXPENSES	28,845,724	27,997,034	848,690	3.0%
NET OPERATING INCOME OR (LOSS)	\$ (1,309,103)	\$ 573,550	\$ (1,882,653)	

**WISCONSIN STATE LABORATORY OF HYGIENE
COMPARATIVE BALANCE SHEET
As of February 28, 2015 and June 30, 2014**

ASSETS

	February 28, 2015	June 30, 2014
CURRENT ASSETS		
Cash	\$ 11,083,591	\$ 9,064,175
Cash-restricted-newborn screening surcharge	1,658,174	1,734,826
Net accounts receivables (Note 2)	3,896,433	5,479,437
Other receivables	496,228	1,604,807
Inventories	71,745	62,573
Prepaid expenses	371,795	417,176
Total current assets	17,577,966	18,362,994
EQUIPMENT AND BUILDING IMPROVEMENTS		
Equipment	26,241,186	24,932,759
Building improvements	7,276,355	7,234,117
	33,517,541	32,166,876
Less accumulated depreciation	(23,161,895)	(21,860,586)
Total net fixed assets	10,355,646	10,306,290
Total Assets	\$ 27,933,612	\$ 28,669,284

LIABILITIES AND EQUITY

CURRENT LIABILITIES

Salaries payable	\$ 272,251	\$ 520,124
Accounts payable	1,541,641	1,409,616
Newborn screening surcharge payable	1,658,174	1,734,826
Accrued expenses	48,830	155,554
Current obligations under capital leases	-	29,629
Notes Payable - current	94,390	94,988
Proficiency testing deferred revenue	2,160,880	1,360,380
Newborn screening deferred revenue	2,213,940	2,111,558
Compensated Absences (Note 5)	695,205	813,915
Total current liabilities	8,685,311	8,230,590

LONG TERM DEBT

Compensated Absences (Note 5)	1,587,530	1,411,567
Total long term debt	1,587,530	1,411,567
Total Liabilities	10,272,841	9,642,157

EQUITY

Retained earnings-restricted (Note 4)		
Operating contingency	2,282,927	2,136,900
Total restricted retained earnings	2,282,927	2,136,900
Net Operating Income or (Loss)	(1,309,103)	1,760,554
Retained earnings-unrestricted	11,271,534	9,714,260
Contributed capital	5,415,413	5,415,413
Total unrestricted retained earnings	15,377,844	16,890,227
Total Equity	17,660,771	19,027,127
Total Liabilities and Equity	\$ 27,933,612	\$ 28,669,284

Contingency Funding	8,892,655	10,132,404
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WISCONSIN STATE LABORATORY OF HYGIENE
STATEMENT OF CASH FLOWS
For the Period July 1, 2014 through February 28, 2015

CASH FLOWS FROM OPERATING ACTIVITIES

Net income	\$ (1,309,103)
Adjustments to reconcile net income to net cash provided by operating activities:	
Depreciation	1,319,592
Changes in working capital components:	
Decrease in net accounts receivables	1,583,004
Decrease in other receivables	1,108,579
(Increase) in inventories	(9,172)
Decrease in prepaid expenses	45,381
(Decrease) in salaries payable	(247,873)
Increase in accounts payable	132,025
(Decrease) in newborn screening surcharge payable	(76,652)
(Decrease) in accrued expenses	(106,724)
(Decrease) in current obligations under capital leases	(29,629)
(Decrease) in notes payable - current	(598)
Increase in proficiency testing deferred revenue	800,500
Increase in newborn screen deferred revenue	<u>102,382</u>
Net cash provided (used) in operating activities	3,311,712

CASH FLOWS FROM INVESTING ACTIVITIES

Purchase of equipment and physical plant improvements	<u>(1,368,948)</u>
Net cash (used in) investing activities	<u>(1,368,948)</u>

CASH FLOWS FROM FINANCING ACTIVITIES

Principal payment on Capital Lease	<u>-</u>
Net cash provided (used in) financing activities	<u>-</u>

Net increase (decrease) in cash	1,942,764
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Cash:

Beginning	<u>10,799,001</u>
Ending	<u>\$ 12,741,765</u>

NOTES TO THE FINANCIAL STATEMENTS
For the period July 1, 2014 through February 28, 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 2014-2015 operating budget amounts were approved by the WSLH Board on June 17, 2014.

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-for-service 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 February 28, 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 February 28, 2015 and June 30, 2014 are as follows:

	<u>February 28, 2015</u>	<u>June 30, 2014</u>
Accounts Receivable Total	\$4,443,050	\$6,056,412
Allowance for bad debt	<u>(546,617)</u>	<u>(576,975)</u>
Net Receivables	\$3,896,433	\$5,479,437

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:

- DNR contracts
- DHS contracts
- DATCP
- University of Wisconsin
- Office of Justice Assistance
- Wisconsin Emergency Management

Non-Agency:

- 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 February 28, 2015 working capital (current assets less current liabilities) was \$8,892,655 thereby meeting the target contingency reserve requirement of \$2,282,927.

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 Hol	Comp Time	Sabbatical
Current	\$695,205	\$490,640	\$130,663	\$4,844	\$5,041	\$64,017
Long Term	1,587,530	0	0	0	0	1,587,530
	<u>\$2,282,735</u>	<u>\$490,640</u>	<u>\$130,663</u>	<u>\$4,844</u>	<u>\$5,041</u>	<u>\$1,651,547</u>

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 6. PRESENTATION OF FY16 DRAFT BUDGET

Description of the Item:

Dr. Brokopp will provide the WSLH FY16 draft budget to the Board.

Suggested Board Action:

Receive for information.
Request input from the Board.
Request FY16 Laboratory Needs from DHS and DNR.

Staff Recommendations and Comments:

FY16 final budget will be presented to the Board for approval at the June 23rd meeting. The draft budget may be revised prior to the final budget presentation to the Board in June based on more current information becoming available.

Fiscal Year 2016 Preliminary Budget Proposal

Wisconsin State Laboratory of Hygiene

Twelve Months ending June 30, 2016

	Fiscal Year 2016 Proposed Budget	Fiscal Year 2015 Budget	Increase/ (Decrease)
Support and Revenue			
Agency	\$5,942,628	\$6,343,772	(\$401,144)
Nonagency	19,090,053	18,818,075	271,978
GPR Funding	11,300,000	11,050,000	250,000
OWI Funding	1,527,570	1,523,908	3,662
Grant Funding	5,480,267	5,174,751	305,516
Interest Income	8,400	8,400	0
Total Support and Revenue	43,348,918	42,918,906	430,012
Expenses			
Salaries	18,194,314	19,511,715	(1,317,401)
Fringe Benefits	7,394,748	7,710,552	(315,804)
Supplies and Services	13,275,559	12,570,504	705,055
Transfer-Overhead Allow-133&144	840,847	802,408	38,439
Building Rent	2,551,810	2,712,175	(160,365)
Depreciation	1,771,575	1,972,789	(201,215)
Bad Debt Expense	36,000	80,000	(44,000)
Interest Expense	2,400	4,200	(1,800)
Total Expenses	44,067,253	45,364,343	(1,297,091)
Net Accrued Operating Income/(Loss)	(718,335)	(2,445,437)	1,727,103
Reserve Expenditures	0	1,643,207	(1,643,207)
Difference between Capital and Depreciation		802,230	
Modified Net Operating Income/(Loss)	(\$718,335)	(\$0)	\$3,370,310
Cash Basis: (replaces depreciation with capital purchases)			
Capital Expense	1,106,305	1,170,559	(64,254)
Total Expense	43,401,983	44,562,113	(1,160,130)
Net Cash Operating Income/(Loss)	(\$53,065)	(\$1,643,207)	\$1,590,142

Fiscal Year 2016 Preliminary Budget Proposal

Wisconsin State Laboratory of Hygiene
Twelve Months ending June 30, 2016

Support and Revenue	WSLH	Disease Prevention Division	Environmental Health Division	Occupational Health Division	Laboratory Improvement Division	Communicable Diseases Division	Administrative Services	Clearing Account
Agency	\$5,942,628	\$1,138,184	\$2,751,898	\$90,000	\$9,500	\$1,928,046	\$25,000	
Nonagency	19,090,053	9,140,000	2,148,398	2,370,600	3,247,055	2,184,000		
GPR Funding	11,300,000	1,404,000	5,321,148	256,709	38,000	4,280,143		
OWI Funding	1,527,570		1,527,570					
Grant Funding	5,480,267	457,864	350,743	3,882,065			789,595	
Interest Income	8,400						8,400	
Total Support and Revenue	43,348,918	12,140,048	12,099,757	6,599,374	3,294,555	8,392,189	822,995	
Expenses								
Salaries	18,194,314	4,016,928	4,919,560	2,652,646	822,022	2,892,888	3,565,270	(675,000)
Fringe Benefits	7,394,748	1,474,564	2,133,102	1,171,300	367,248	1,182,383	1,335,927	(269,775)
Supplies and Services	13,275,559	4,298,907	2,414,768	831,831	1,835,320	2,489,659	1,405,074	
Transfer-Overhead Allow-133&144	840,847	62,425	68,246	710,176				
Building Rent	2,551,810		1,562,777	530,449	77,886	223,221	157,477	
Depreciation	1,771,575	412,339	829,488	205,573	6,864	204,248	113,063	
Bad Debt Expense	36,000	2,400	2,400	30,000		1,200		
Interest Expense	2,400	1,200					1,200	
Total Expenses	44,067,253	10,268,762	11,930,341	6,131,975	3,109,341	6,993,599	6,578,010	(944,775)
(Does not include Interdepartmental Allocations)								
Net Accrued Operating Income/(Loss)	(\$718,335)	\$1,871,286	\$169,416	\$467,399	\$185,214	\$1,398,590	(\$5,755,015)	\$944,775
Cash Basis: (replaces depreciation with capital purchases)								
Capital Expense	1,106,305	340,300	266,521	80,000		195,000	244,484	
Total Cash Expense	43,401,983	10,196,723	11,367,374	6,006,402	3,102,477	6,984,351	6,709,431	(944,775)
Net Cash Operating Income/(Loss)	(\$53,065)	\$1,943,325	\$732,383	\$592,972	\$192,078	\$1,407,838	(\$5,886,436)	\$944,775

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 7. LEGISLATIVE UPDATE & ISSUES

Description of the Item:

UW-Madison – Darrell Bazzell

DNR – John R. Sullivan

DHS – Charles Warzecha

DATCP – Michelle Wachter

Local Public Health Laboratory – Jeffery Kindrai

Suggested Board Action:

Receive for information.

Staff Recommendations and Comments:

Receive for information.

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015**

BUSINESS ITEMS

Item 8. WSLH SUPPORT FOR STATE/LOCAL AGENCIES

Description of the Item:

Each of these Division Directors will describe the support that their division provides to state and local agencies as part of the WSLH's statutory mandate:

Dr. Peter Shult – WSLH Communicable Disease Division Director

Dr. Daniel Kurtycz – WSLH Disease Prevention Division Director

David Webb – WSLH Environmental Health Division Director

Steve Strebel – WSLH Occupational Health Division Director

Dr. Brokopp will discuss with the Board the FY16-17 budget proposal and the ramification that the proposed budget would have on the WSLH.

Suggested Board Action:

Receive for information and input.

Vote on staff recommendations.

Staff Recommendations and Comments:

The Wisconsin Veterinary Diagnostic Laboratory (WVDL) Board unanimously passed a motion that expressed its desire to have the WVDL remain under the UW-Madison. Recommend that the WSLH Board take a position to support the following or similarly worded draft motions:

- 1) The WSLH Board supports the retention of the WSLH at the UW-Madison.
- 2) The WSLH Board supports retaining the state GPR funding in the WSLH's budget so that the WSLH can meet its statutory mandate to provide laboratory services and support to state and local agencies.



Description of the WSLH taken from the University of Wisconsin System Budget portion included in the Governor's FY16-17 budget

NOTE: This description is included in the beginning of the UW System portion of the budget. The proposal to move the WSLH to DATCP is included later in the budget proposal.

The Wisconsin State Laboratory of Hygiene is Wisconsin's public and environmental health laboratory and is an attached agency to the University of Wisconsin-Madison. The laboratory is under the direction and supervision of the State Laboratory of Hygiene Board, which meets six times a year to approve the laboratory budget, set fees, set priorities and make final approval of laboratory resources so that the laboratory can act in response to agencies' planned objectives and program priorities. A nationally renowned public health facility, the laboratory provides top quality analytical services and makes substantial contributions to the evolution of public health and environmental laboratory science through teaching, research, outreach and public service. All sectors of the public health infrastructure – disease control and prevention, maternal and child health, environmental health, epidemiology, emergency preparedness and response, and policy development – are critically linked to the state and national public health laboratory system, which the laboratory coordinates in Wisconsin. Through its wide-ranging activities, directly or indirectly, every citizen in the state is affected and protected by the public health work of the laboratory.

WSLH State Budget Proposal Considerations and Issues

March 15, 2015

The Wisconsin State Laboratory of Hygiene (WSLH) was established at the University of Wisconsin – Madison in 1903 to take advantage of the scientific expertise and facilities for teaching and research in the fields of public health and environmental protection. For more than 112 years the WSLH has provided laboratory services in the areas of public health, sanitation, communicable disease control, water quality, and air quality for state agencies, licensed physicians, local health officers and resource management officials.

The WSLH plays a vital role in protecting the health of Wisconsin's people and its environment. Our analytical testing, data and expertise enable the Department of Health Services (DHS), the Department of Natural Resources (DNR), local public health agencies and emergency management officials to quickly respond to health and environmental emergencies and make policy decisions based on sound science. The overall goal of the WSLH focuses on teaching, research, collaboration and protection of the public.

The WSLH embodies the "Wisconsin Idea" by providing services daily that extend to all corners of the state, nationally and internationally. Many of the WSLH staff are UW faculty that participate in teaching, mentoring and research with others on and off campus that has far-ranging impacts.

The WSLH has a positive effect on the state's economy. Grants, contracts and agreements with federal and state agencies, private foundations, and biotech companies along with fee for services testing support our research, development, and technology transfer. The WSLH occupational health staff work with businesses, many of them small companies and manufacturers, to ensure safe and healthy work environments.

The following describes the scope of the WSLH mission.

1. Service Mission – public, environmental and occupational health testing for state and local agencies including DHS, DNR, DOC, DOT, DOJ, State Patrol, local health departments and local law enforcement agencies.
 - a. Newborn screening of babies born in WI, MT, and several foreign countries
 - b. Disease outbreaks and monitoring
 - c. Disease prevention (STDs, HPV, genetics, cytology)
 - d. Environmental monitoring and compliance testing of water, air, soil and hazardous materials
 - e. Chem/bio/rad emergency response capacity
 - f. Alcohol and drug testing for law enforcement, medical examiner and coroners
2. Outreach Mission – education, training and surveillance
 - a. Wisconsin Clinical Laboratory Network
 - b. Local Public Health Laboratory Network
 - c. Collaboration with environmental laboratories
 - d. Health and safety consultation for private businesses
3. Teaching Mission – faculty appointments
 - a. SMPH – Pathology, Pediatrics, Population Health, Med Micro/Immunology
 - b. CALS - Cytotechnology, Soil Sciences, Genetics
 - c. College of Engineering – Civil and Environmental Engineering

4. Quality Mission – proficiency testing for public and private laboratories and agencies
 - a. Local, state, national and international customers

5. Research Mission – University of Wisconsin, state and national research contributions include:
 - a. ICTR Core laboratory – UW SMPH
 - b. Newborn Screening – Cystic fibrosis, SCID, Pompe disease, others
 - c. Communicable Disease Division – “CDC North”, electronic lab reporting national reference lab for vaccine preventable diseases, enteric diseases, tuberculosis, influenza and other respiratory viruses
 - d. Cytogenetics – UW Collaborative Genomics Core
 - e. Environmental Health – UW Mass Spec Core lab, Trace Metals Clean lab
 - f. Occupational Health – OSHA reference laboratory, labor statistics and reporting

6. Fee for Service Mission – FY 2015
 - a. Clinical testing \$10,276,106
 - b. Environmental \$ 2,614,668
 - c. Proficiency testing \$ 3,546,778
 - d. Occupational health \$ 2,278,000

7. Extramural research funding – FY 2015
 - a. Grants \$5,120,000
 - b. Contracts \$6,300,000

Emergency Response Capacity and Federal Regulatory Compliance

1. Biosafety and biosecurity certifications obtained through UW Biosafety Office
 - a. Select Agent Tier 1 certification including personnel suitability assessments
 - b. Personnel security clearance by FBI/CJIS
 - c. Designation of RO and ARO (responsible official and alternate)
 - d. Security risk assessments
 - e. Access restrictions to building and materials
 - f. Select agent transfers for all of campus – incoming and out going transfers
 - g. UW police provide security and response
 - h. UW Biosafety training and documentation
 - i. Isolated IT network for select agents (inventory, documentation)
 - j. Biosafety cabinet certifications (50+) provided by UW Office of Biosafety
 - k. Decontamination and decommissioning of laboratory space

2. Homeland Security and emergency response to chem/bio/rad incidents
 - a. UW radiation certification
 - b. Radiation waste removal and processing – UW contracts for removal and destruction of biological and chemical wastes
 - c. WSLH is the only CDC- approved public health lab in the state. As a member of the National Laboratory Response Network, the WSLH is approved to handle biological threat agents, chemical terrorism agents, and radiological contaminated materials and maintains direct access into CDC reporting networks.

- d. Collaboration with National Guard Civil Support Team, Wisconsin Emergency Management, FBI, HazMat and DOD response programs
 - e. Maintain the FTIR rapid response network that support hazmat teams across Wisconsin
 - f. Establish and maintain the Wisconsin Clinical Laboratory Network of great than 140 local sentinel laboratories involved with the early detection and submission of infectious agents of public health interest
 - g. “CDC North” role in outbreak response, influenza, disease monitoring, VPD – protecting the health of the people of Wisconsin and providing surge capacity for CDC laboratories
 - h. Support the US Postal Service Biological Detections System operating is postal distributions centers across Wisconsin
3. Laboratory Accreditations required for regulatory compliance
- a. Clinical Laboratory Improvement Act (CLIA)
 - b. College of American Pathologists (CAP)
 - c. National Environmental Laboratory Accreditation Program (NELAP)
 - d. American Board of Forensic Toxicology (ABFT)
 - e. American Industrial Hygiene Association (AIHA)
 - f. US Environmental Protection Agency (EPA)
 - g. Wisconsin Department of Natural Resources (DNR)
 - h. Occupational Health and Safety Administration (OHSA)

Academic Appointments, Research, Grants and Contracts

4. Academic appointments (School of Medicine and Public Health, Population Health Sciences, Pathology, Family Medicine, Surgery, Soil Science, Medical Microbiology and Immunology, Pediatrics, Engineering, Agriculture and Life Sciences, Genetics)
- a. Recruitment of well qualified staff has been problematic and will likely staff become even more difficult in the future. The option of offering an academic appointment along with the laboratory position often convinces a well-qualified candidate to come to Wisconsin.
 - b. Faculty and professional staff retention will significantly decline resulting in a loss of institutional expertise and knowledge.
 - c. Funded fellowships and other training opportunities are readily available at the University of Wisconsin especially in laboratory sciences, molecular genetics, cytogenetics, and bioinformatics which are crucial to advance laboratory practice
 - d. Mentoring students/residents, student employment (~15), UW La Crosse MS students
 - e. Access to UW libraries and online journals.
5. University-based grants (eligibility)
- a. NIH, HRSA, NSF, Merck, APHL, Legacy of Angels Foundation, CDC, CSTE, EPA, OSHA, Komen Foundation, Fred Hutchinson Cancer Center, Research Triangle Institute, etc.
 - b. Support from UW Office of Research and Sponsored Programs
 - i. Pre-application process
 - ii. Application assurances
 - iii. Review and submission electronically
 - iv. Financial management, monitoring and reporting

- v. Invoicing, billing and federal draw downs
 - vi. Record maintenance and archiving
 - vii. Electronic routing, approval, submission and reporting
- c. Eligibility and competitiveness
 - i. Many grants received because of the association with the university
 - ii. Sole source purchasing of equipment and IT systems
 - iii. University discounts for supplies and equipment
 - iv. Greater flexibility as part of a public authority
 - v. CDC, APHL, RTI, HCET and other universities
 - d. Support collaborative research at UW-Madison Research (ICTR Core Lab, Waisman Center, Carbone Cancer Center, UW Family Medicine, UW Biotech Center, UW Collaborative Genomics Lab, Civil and Environmental Engineering)
 - a. International collaborations (Newborn, clinical, environmental, proficiency testing and occupational health)
 - b. Expansion of genomic testing and sequencing to address the emerging needs of research on campus
 - c. Evaluation of new technologies for newborn screening (NIH Grant for Pompe disease study, private foundation funding for enhanced screening for cystic fibrosis, development of “tier 2” screening, screening for spinal muscular atrophy)
 - e. Assistance to state agencies that have limited position authority. Hiring staff to work in state agencies that are subject to a limit on FTEs, a hiring freeze or unable to recruit individuals with appropriate expertise. Project positions are usually funded with federal contract or grant funds and supervised by state agency staff. (DPH PHIN, HIV and NBS staff, DNR and DATCP)
6. Education, outreach, surveillance- Taking the “Wisconsin Idea” statewide
- a. Technology transfer and validation to the public and private sector labs
 - i. NBS outreach training- over 26 states and 10 countries
 - ii. Industrial hygiene training – University of Iowa collaboration
 - b. Training – environmental and clinical labs, and clinical providers
 - i. Transfer methods for hexavalent chromium and manganese to private and municipal labs
 - ii. WCLN drug susceptibility testing, biological safety, lab reporting
 - iii. UW LaCrosse microbiology students
 - c. Forensic toxicology training – prosecutors, law enforcement, judges, medical examiners
 - d. Local public health lab network – surface and well water sampling and testing
 - e. Safety training for haz mat, emergency management and first responders
 - f. International technical assistance – SE Asia, South Africa, South America, China, Japan

Fee for Services Testing Revenue

- 7. Fee for Service (FFS) work
 - a. Loss of revenue decreases the lab’s ability to perform innovative outreach, research, teaching and support our service mission. Lessen ability to seek and receive funding from federal agencies, foundations and other entities.

- b. UW UHS – clinical and environmental testing
- c. UWHC and UWMF – mostly specialized clinical testing
- d. UW Vet School – typing organisms and image processing
- e. UW Engineering – contract or grant supported environmental testing
- f. UW Safety (FP&M) – asbestos testing
- g. Ad hoc UW researcher requests (assignment of senior staff to support other ICTR partners and affiliated laboratories on campus)
- h. Testing and other services for federal, state and local agencies
- i. Robust billing and revenue collecting capabilities are required
- j. Extensive experience with Medicaid and Medicare billing clearinghouses

The fee for service (fund 130) revenue is retained by the lab and can be carried over to next fiscal year. The revenues help cover salaries and benefits, travel, supplies, equipment, maintenance, utilities and communication charges. All unused revenue goes into the reserve account.

Budget impacts

- 8. WSLH use of GPR for the following:
 - Staffing – salary, benefits, recruiting
 - Administrative support – human resources, IT, facility management, finance
 - Equipment – purchase, lease, maintenance, repairs
 - Training – travel, fellowships, workshops
 - Building lease payments \$2.4M /year
 - Pre-analytic, analytic and post-analytic phases of testing
 - Testing for DNR, DHS, local health department, others
 - Reporting and records retention
 - Match for state and federal grants
 - Facility repairs, maintenance, utilities
 - Required proficiency testing for all areas of the lab
 - Accreditation and regulatory compliance
 - Indirect charges
 - Capacity that allows testing and other services to be provide in an efficient and timely manner

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 9. LAB FEE COSTING PLAN AND PROPOSED FEE UPDATES

Description of the Item:

Steve Marshall will provide the lab fee costing plan update to the Board.

Suggested Board Action:

Receive for information and input.

Staff Recommendations and Comments:

Receive for information and input

Wisconsin State Laboratory of Hygiene Price Listing and 2015 Proposed Price Increases

April 10, 2015

Clinical

Biochemical Genetics increase

Communicable Disease no increase

Cytogenetics no increase

Cytology no increase

Newborn Screening no increase

Toxicology increase

Environmental increase

Occupational Health separate increase

WSLH Proficiency Testing separate increase

Clinical Testing Fee Schedule

Biochemical Genetics – (608) 263-4619

TEST NAME	TEST CODE	LIST PRICE	CPT CODE	PROPOSED PRICE
Amino Acids (Quantitative), Plasma	506	\$220.00	82139	\$245.00
Amino Acids (Quantitative), Serum	552	\$220.00	82139	\$245.00
Amino Acids (Quantitative), Urine	553	\$220.00	82139	\$245.00
Amino Acids Dietary Screen (Quantitative), Filter Paper	565	\$70.00	82136	\$70.00
Biotinidase	520	\$80.00	82261	\$130.00
Carnitine	531	\$109.00	82379	\$200.00
Organic Acids, Comprehensive Quantitative	554	\$441.00	83918	\$500.00

Toxicology – (608) 224-6241

TEST NAME	TEST CODE	LIST PRICE	CPT CODE	PROPOSED PRICE
Acetone, Blood	409	\$30.00	82010	\$30.00
Arsenic, Hair	TX00462	\$55.75	82175	\$56.00
Arsenic, Inorganic in Urine	TX00461	\$55.75	82175	\$56.00
Cannabinoids, Blood	539	\$110.00	80101 80102	\$110.00
Cocaine, Blood	507	\$110.00	80101 80102	\$110.00
Drug Identification (Pills/Capsules)	455	\$55.75	80100	\$56.00
Drug Screen, Blood - Qualitative	433	\$140.00	Various	\$140.00
Drug Screen, Blood - Quantitative	428	\$200.00	Various	\$200.00
Drug Screen, Non-Blood	429	\$58.69	Various	\$200.00
Drug, Misc Quant	599	\$66.99	84022	\$67.00
Ethanol, Blood	404	\$50.00	82055	\$50.00
Ethanol, Urine	408	\$50.00	82055	\$50.00
Isopropanol, Blood	410	\$30.00	84600	\$30.00
Lead, Blood, Capillary	TX00468	\$19.95	83655	\$19.95
Lead, Blood, Venous	TX00467	\$19.95	83655	\$19.95
Lead, Pottery (Leach Test)	TX00471	\$35.70	N/A	\$36.00
Lithium, Blood/Serum	434	\$20.00	80178	\$25.00
Mercury, Blood	TX00472	\$48.40	83825	\$49.00
Mercury, Urine	TX00473	\$48.40	83825	\$49.00
Methanol, Blood	411	\$30.00	84600	\$30.00

Environmental Testing Fee Schedule

For more information or to order these tests, please contact our Environmental Health Division Customer Service staff at (800) 442-4618.

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
Tests Available to the GENERAL PUBLIC			
WATER			
Homeowner Package - Total Coliform and E. coli, Nitrate, Nitrate+Nitrite, Nitrite, Fluoride, Metals Screen, Hardness, VOCs Screen, Atrazine Screen		\$243.00	\$315.00
HUD-FHA VA Loan Package - Total Coliform and E. coli, Lead, Nitrate, Nitrate+Nitrite, Nitrite,		\$108.00	\$116.00
HUD-FHA VA Loan Package RUSH		\$189.00	\$203.00
Bacteria (Total Coliform and E. coli)		\$27.00	\$29.00
E. coli Bacteria in swimming beaches		\$37.00	\$37.00
Heterotrophic plate count		\$30.00	\$30.00
Iron Bacteria		\$54.00	\$55.00
<i>Pseudomonas aeruginosa</i>		\$27.00	\$32.00
Sulfate Reducing Bacteria		\$54.00	\$55.00
Arsenic		\$27.00	\$29.00
Arsenic RUSH		\$54.00	\$58.00
Arsenic Speciation (if high total Arsenic) - Arsenic (total), Arsenic (dissolved), Arsenic III and Arsenic V		\$123.88	\$150.00
Atrazine Screen		\$30.00	\$33.00
Chromium Panel - Chromium VI "Hexchrome" and Total Chromium		\$80.00	\$85.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
Copper		\$20.00	\$25.00
Copper RUSH		\$40.00	\$50.00
Fluoride		\$20.00	\$25.00
Fluoride RUSH		\$40.00	\$50.00
Hardness - Calcium, Magnesium and Hardness Calc.		\$31.37	\$35.00
Hardness RUSH		\$57.37	\$70.00
Iron		\$13.00	\$25.00
Iron RUSH		\$26.00	\$50.00
Lead		\$27.00	\$40.00
Lead RUSH		\$54.00	\$80.00
Manganese		\$13.00	\$25.00
Manganese RUSH		\$26.00	\$50.00
Metals Screen - Aluminum, Arsenic, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Strontium, Vanadium, Zinc and Hardness		\$50.00	\$60.00
Metals Screen RUSH		\$100.00	\$120.00
Nitrate		\$27.00	\$29.00
Nitrate RUSH		\$54.00	\$58.00
Nitrite		\$27.00	\$29.00
Nitrite RUSH		\$54.00	\$58.00
Radon in water		\$70.00	\$75.00
Volatile Organic Chemicals (VOCs) Screen		\$75.00	\$75.00
RADIOCHEMISTRY			
Gamma Scan (Air Filter)		\$99.00	\$110.00
Gamma Scan (Fish)		\$99.00	\$110.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
Gamma Scan (Iodine Cartridge)		\$99.00	\$110.00
Gamma Scan (Soil/Silt)		\$99.00	\$110.00
Gamma Scan (Vegetation)		\$99.00	\$110.00
Gamma Scan (Water or Milk)		\$99.00	\$110.00
Gamma Scan Radium 226 & 228 (Sludge)		\$99.00	\$110.00
Gross Alpha & Beta (Air Filter)		\$44.00	\$55.00
Gross Alpha & Beta (Soil/Silt/Sludge)		\$59.00	\$63.00
Gross Alpha & Beta (Vegetation, Other)		\$59.00	\$63.00
Gross Alpha & Beta (Water)		\$68.00	\$68.00
Iodine 131 by ION Exchange (Water or Milk)		\$120.00	\$120.00
Polonium 210 by Alpha Spectroscopy (Water)		\$216.00	\$216.00
QC Package		\$10.00	\$10.00
Radium 226 & 228 (Liquid Sludge)		\$296.00	\$296.00
Radium 226 & 228 (Water)		\$245.00	\$245.00
Radium 226 (Liquid Sludge)		\$168.00	\$168.00
Radium 226 (Water)		\$122.00	\$122.00
Radium 228 (Water)		\$163.00	\$163.00
Radon (Air)		\$25.00	\$25.00
Radon (Water)		\$70.00	\$75.00
Sample Preparation Charge		\$18.00	\$20.00
Sediment Dating		\$99.00	\$105.00
Strontium 89 & 90 (Water)		\$243.00	\$260.00
Strontium 90 (Water or Milk)		\$158.00	\$158.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
Swipes (Carbon 14 & Tritium)		\$36.00	\$40.00
Thorium by Alpha Spectroscopy		\$216.00	\$216.00
Total Uranium (Water)		\$166.00	\$216.00
Tritium (Water)		\$78.00	\$85.00
Uranium by Alpha Spectroscopy (Water)		\$216.00	\$216.00
Gross Alpha & Beta (Air Filter) RUSH		\$88.00	\$110.00
Gross Alpha & Beta (Water) RUSH		\$136.00	\$136.00
Radium 226 (Water) RUSH		\$268.00	\$268.00
Radium 228 (Water) RUSH		\$268.00	\$268.00
Total Uranium (Water) RUSH		\$332.00	\$432.00
OTHER TESTS			
Asbestos in building materials (tiles, ceilings)		\$36.00	\$38.00
Lead in paint chips, soil and surface dust		\$25.00	\$26.00
Mold Testing (household)		\$33.00 - \$51.00	\$35.00 - \$54.00
Radon in Air		\$25.00	\$25.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
Tests Available to PUBLIC WATER SUPPLIERS			
WATER MICROBIOLOGY			
Heterotrophic plate count		\$30.00	\$30.00
Iron bacteria		\$54.00	\$55.00
Sulfate reducing bacteria		\$54.00	\$55.00
Total coliform identification		\$62.00	\$62.00
Pseudomonas aeruginosa		\$27.00	\$32.00
LIMITED-TERM ENHANCEMENT TREATMENT RULE 2			
Cryptosporidium/Giardia (filter and 0.5 pellet)		\$400.00	\$540.00
Cryptosporidium/Giardia Matrix Spike (0.5 pellet)		\$410.00	\$580.00
Cryptosporidium/Giardia 2nd filter/processing		\$165.00	\$190.00
Cryptosporidium/Giardia extra slide		\$120.00	\$130.00
Cryptosporidium/Giardia bulk filtration		\$60.00	\$580.00
ORGANIC CHEMISTRY			
Volatile Organic Compounds		\$171.00	\$171.00
Trihalomethanes (TTHM)		\$171.00	\$171.00
Haloacetic Acids (HAA5)		\$180.00	\$190.00
Atrazine (Triazine Screen)		\$30.00	\$33.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
RADIOCHEMISTRY			
Gross Alpha & Beta (Water)		\$68.00	\$68.00
Radium 226 & 228 (Water)		\$245.00	\$245.00
Radon (Water)		\$70.00	\$75.00
Strontium 90 (Water or Milk)		\$158.00	\$158.00
Tritium (Water)		\$78.00	\$85.00
Total Uranium (Water)		\$166.00	\$216.00
INORGANIC CHEMISTRY			
Alkalinity panel		\$22.00	\$25.00
Antimony		\$27.00	\$29.00
Arsenic		\$27.00	\$29.00
Cadmium		\$27.00	\$29.00
Chloride		\$20.00	\$24.00
Chromium		\$27.00	\$29.00
COMMON METAL/MINERALS -- for the following list of metal/minerals only:			
Aluminum		\$13.00	\$25.00
Barium		\$13.00	\$25.00
Beryllium		\$13.00	\$25.00
Calcium		\$13.00	\$25.00
Hardness (Requires Calcium and Magnesium tests)		\$5.00	\$5.00
Iron		\$13.00	\$25.00
Magnesium		\$13.00	\$25.00
Manganese		\$13.00	\$25.00
Nickel		\$13.00	\$25.00
Potassium		\$13.00	\$25.00
Sodium		\$13.00	\$25.00
Zinc		\$13.00	\$25.00

TEST NAME	TEST CODE	LIST PRICE	PROPOSED PRICE
OTHER METALS/MINERALS			
Color		\$25.00	\$26.00
Cyanide		\$55.00	\$60.00
Foaming Agents Screen (MBAs)		\$22.00	\$22.00
Fluoride		\$20.00	\$25.00
Mercury		\$33.00	\$50.00
Nitrogen, Nitrate + Nitrite		\$27.00	\$29.00
Nitrogen, Nitrite		\$27.00	\$29.00
Nitrate (No charge if Nitrate + Nitrite and Nitrite Nitrogen tests are both requested)		\$0.00	\$0.00
Orthophosphate		\$23.00	\$29.00
Selenium		\$27.00	\$29.00
Silica		\$20.00	\$24.00
Silver		\$27.00	\$29.00
Sulfate		\$26.00	\$29.00
Thallium		\$27.00	\$29.00
Total Residue		\$22.00	\$22.00
Turbidity		\$10.00	\$12.00
Total Dissolved Solids		\$22.00	\$22.00
Whole Effluent Tox (Acute, C. dubia)		New	\$550
Whole Effluent Tox (Acute P. promelas)		New	\$650
Whole Effluent Tox (Acute 2 species)		New	\$900
Whole Effluent Tox (Chronic 7day, 1 species)		New	\$1,100
Whole Effluent Tox (Chronic 7day, 2 species)		New	\$1,850
Whole Effluent Tox (Chronic		New	

S. capricornutum)				\$250
Cylindrospermopsin by ELISA		New		\$85
Saxatoxin by ELISA		New		\$85
Anatoxin-a screen by receptor binding assay		New		\$150
SPECIAL LEAD AND COPPER REGULATIONS				
Lead		\$27.00		\$40.00
Copper		\$20.00		\$30.00

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 10. OCCUPATIONAL HEALTH LAB 2015 FEE SCHEDULE

Description of the Item:

Steve Strebel and Dr. Brokopp will present the fee schedule update request for consideration by the Board.

Suggested Board Action:

Receive for information and input. Request approval by Board at April meeting with an effective date of July 1, 2015.



**Wisconsin Occupational
Health Laboratory**

WISCONSIN STATE LABORATORY OF HYGIENE
UNIVERSITY OF WISCONSIN-MADISON



2015 Fee Schedule

Effective July 1, 2015

Prices subject to change without notice.

www.wohl-lab.org

<u>WISCONSIN OCCUPATIONAL HEALTH LABORATORY</u>			
<u>PACKAGES</u>	<u>MAIL</u>	<u>TELEPHONE</u>	<u>FAX</u>
WOHL 2601 Agriculture DR Madison, WI 53718	WOHL PO Box 7996 Madison, WI 53707-7996	608 224-6210 800 446-0403	608 224-6213
<u>WEB PAGE</u> www.wohl-lab.org			

WOHL Sampling Guide

For specific sampling guidelines, please refer to the current Sampling Guide. Please contact the laboratory to have a copy mailed to you or access it on-line at <http://www.slh.wisc.edu/wslhApps/Wohl/search.php>. Many other types of analyses are offered which are not listed in this fee schedule. Please call the laboratory for details and prices. Some of these analyses may require a minimum of 3 samples. If <3 samples are received the client will be billed for 3 samples.

Accelerated Service Procedure

WOHL offers three accelerated service levels: SAME DAY, RUSH or PRIORITY. Requests for SAME DAY, RUSH or PRIORITY service must be prearranged before shipment of samples by calling (800) 446-0403. *Requests for accelerated service without prearrangement will be handled as accelerated samples, but no guarantees will be made as to length of turnaround time.*

Levels of Service

SAME DAY: This level of service is only available for limited number of analyses. Primary tests are spore traps, tape lifts and asbestos. Please call lab to see if same day analysis is available.

RUSH: Fee is two times the normal sample price. Samples are analyzed as **prearranged** with the analyst. Normal RUSH turnaround is one to two working days.

PRIORITY: Fee is 1.5 times normal sample price. Samples are analyzed as **prearranged** with the analyst. Normal PRIORITY turnaround is two to three working days.

NORMAL: Fee is listed price. Turnaround times vary with sample type and quantity. Average turnaround is five to ten working days. Samples are usually analyzed in order of receipt or scheduled for most efficient analysis.

Some analyses may require a minimum number of samples or a negotiated turnaround time for accelerated service.

Results will be reported by email to the person who submitted the sample.

WOHL strives to provide the fastest turnaround possible for all specimens, but some factors affect the availability of accelerated service, including:

- Number of samples--large quantities take longer to finish.

- Type of sample--certain sample types take longer to analyze.
- Number of requests per sample --samples with multiple analyses will take longer.
- Prearrangement--phoning ahead will place an accelerated order on your samples.

Sample and Data Retention Policy

Our policy is to retain records for the period of time required by our accreditations and by law. Contact the lab to make arrangements for extended storage or transfer. Retention times for samples are as follows:

Bulk Asbestos	3 years	Total Weight Filters	1 year
Air Asbestos Filters	3 years	Desorbed Air Samples	
Other Bulk Samples	1 year		only until results are validated.

Prices may change without notice.

Blank Submission Policy

The Wisconsin Occupational Health Laboratory strongly recommends submission of blank sampling media with all types of samples. Formaldehyde by OSHA 52, H₂S, and ozone specifically require blank correction.

Blanks added by the lab only correct for background levels of analyte on the media as a result of the manufacturing process and will not correct for additional contamination during handling by the client or shipping. Except for solvents the charge for blanks will be the same as for regular samples as they are analyzed identically. Solvent blanks will be \$48.

Minimum Number of Sample Requirements

There is no minimum number of samples required for the most common types of analyses. However, for rare and difficult analyses, there is a three sample minimum. Those analyses requiring a three sample minimum are marked with a "+". If <3 samples are received the client will be billed for 3 samples.

Sampling Media Charges

Sampling media costs are included in the listed price with the following exceptions:

Passive VOC Monitors	18.00	Shielded Cassettes (Wood Dust)	15.00
OVS-2 and OVS-7 Tubes	13.00	Air-O-Cell Cassettes	5.00
OVS TENAX Tubes	19.00	Nitrosoamine tube	22.00
PPI Impactors	27.00	DNPH Seppak and UMEX 100 Badge	12.00

Tests that have additional media charges are marked with an "*".

Loaner Equipment Available

Air-O-Cell sampling pump accessories	High Volume (10-20 lpm) pumps	Personal sampling pumps & accessories
Andersen N6 sampler	MSA Dorr-Oliver cyclones	(uses client-supplied AA batteries)
Field rotometers	(use 2-piece cassettes)	WallChek sampler

Pumps and samplers should be received close to day of sampling, used and returned as soon as possible. Customer pays all shipping charges for Anderson Samplers. Overnight shipment recommended.

Shipping Charges

WOHL uses UPS as its standard courier. There is no charge for shipping supplies by UPS ground within the United States. Next day, second day and international shipment charges will be billed to the customer.

Customer Service

Our customer service team can help you order supplies including sample submission forms, plan sampling strategies and interpret reports. Call us at 800-446-0403. To get the fastest response to your needs, please inform the office staff of the type of assistance you need. They will put you in touch with the staff member who can best meet your

needs. You can also email us at the following addresses:

Lab Director.....WOHLdirector@slh.wisc.edu
Sampling Questions.....WOHLsampling@slh.wisc.edu
Media Order.....WOHLmedia-order@slh.wisc.edu
Customer Service.....WOHLservice@slh.wisc.edu

Credit Policy

Full payment is due within 30 days from date of invoice.

Questions about the Credit Policy may be addressed to the Accounts Receivable staff at 608-890-0324.

Prices may change without notice.

Bioaerosols

EMPAT AIHA-LAP, LLC Accredited Laboratory #101070

Test Description	Sample Type	Fee
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Media provided. ^c Samplers available. ^g	Andersen sample Other impaction agar methods	44.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Wipes and containers available. ^{ag}	Bulk solids, liquids or wipes ^a	55.00
Fungal culture; enumeration and identification to genus level. Some fungi, e.g. <i>Aspergillus</i> , <i>Stachybotrys</i> , <i>Epicoccum</i> , <i>Trichoderma</i> , etc. are identified to the species level. Malt extract agar used. May substitute other agars for xerophilic and hydrophilic fungi. Cassettes available upon request. ^{ag}	Mixed cellulose ester filter cassette ^a	44.00
Total spore count and identification. Samples collected by Zefon Air-O-Cell or Burkard Spore Trap. Air-O-Cell cassettes and pumps available upon request. ^b	Zefon Air-O-Cell Cassettes ^b , Cyclex-d, Micro 5 or Burkard Spore Trap	36.00* WOHL furnished Zefon-Air- O-Cell cassettes \$5.00 each
Direct microscopic examination. Identification of spores and fungal elements present.	Bulk and wipe samples	36.00*
Tape samples; identification and semi-quantitation of spores and fungal elements present. Clear tape	Tape samples ^a	36.00*

should be used. Biotapes available.^a

Thermoactinomycetes culture; enumeration and identification to species level. Tryptic soy and Nutrient agar used. Media provided.^c Samplers available.

Andersen sample
Other impaction
agar methods

44.00

Allergen analysis for Cockroach (Bla g1, Bla g2), Dust Mite (Der p1, Der f1), Mouse (Rat n1) and Mouse (Mus m1). Quantitative Elisa Method.

Vacuum samples^{h,f}
Air samples
(call lab before sampling)

65.00 +
each allergen

*Prices may change without
notice.*

Test Description	Sample Type	Fee
Bacterial culture; enumeration and presumptive identification ^d (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. Media provided ^e . Samplers available. ^g	Andersen sample Other impaction agar methods	44.00
Bacterial culture; enumeration and presumptive identification ^d (Gram stain reaction and colony morphology) of three predominant types. Samplers available for AGI-30 samples. ^g	AGI-30 samples Rodac plates	44.00
Bacterial culture; enumeration and presumptive identification ^d (Gram stain reaction and colony morphology) of three predominant types. Tryptic soy agar used. May substitute blood agar for pathogenic bacteria. Wipes and containers available. ^{ag}	Bulk solids, Liquids or wipes ^a	55.00
Total coliform and <i>E. coli</i>	Bulk solids, liquids or wipes ^a	31.00
Legionella culture, enumeration and identification. CDC method. Sample collection kits available. ^c	Liquids or wipes	111.00
Identification of bacterial and fungal isolates from environmental sources using Biolog Carbon utilization microbial identification system. To genus and species	Isolates from samples above; pure subcultures	65.00/organism
Identification of bacterial isolates from environmental sources using conventional CDC methods. To genus and species	Isolates from samples above; pure subculture	126.00/organism
Endotoxin analysis by kinetic QCL <i>Limulus</i> amoebocyte lysate (LAL) methodology. ^a	Polycarbonate filter cassettes, ^a water or bulk solids ^f	149.00 +

- ^a Cassettes, wipes, sterile containers and Biotapes for tape preparations are available upon request.
- ^b Zefon Air-O-Cell cassettes are available for \$5.00 each.
- ^c Sample collections kits available upon request.
- ^d Identification to genus and species available for additional charge per organism.
- ^e Customer pays all shipping charges. UPS or Federal Express may be used. Culture media must be sent refrigerated to and from customer by overnight shipment.
- ^f 3 sample minimum.
- ^g Further species identification available for an additional charge.
- ^h Dust collectors are available for \$8.00 each.
- *Priority, Rush and Same Day analysis available

***Accelerated Service for Bioaerosol Direct Reading Samples Only
Not Applicable for Cultured Samples**

RUSH testing available	24 hour turnaround time	72.00
PRIORITY testing	48 hour turnaround time	54.00
SAME DAY testing		110.00

Prices may change without notice.

Asbestos Analysis

ASBESTOS (Air Fiber Count)	PCM		
Phase Contrast Microscopy		.8μ MCE filter	28.00
Same Day Turnaround			84.00
 ASBESTOS (Bulk)	 PLM		
Polarized Light Microscopy			38.00
Floor tile by matrix reduction			108.00
Point counting			71.00

Environmental Lead

ELLAP AIHA-LAP, LLC Accredited Laboratory #101070

Lead in soil, paint chips or surface wipes	26.00
Lead in air	34.00

Industrial Hygiene Analysis

ELLAP AIHA-LAP, LLC Accredited Laboratory #101070

Most of the Industrial Hygiene analyses available through WOHL are listed in alphabetical order beginning on Page 7. **This list is not all-inclusive.** Please call the lab at 800-446-0403 if you can't find an analysis you need.

Crystalline Silica

The price for respirable or total airborne silica by Xray diffraction is **\$71** for quartz, **\$83** for quartz & cristobalite and **\$94** for quartz, cristobalite and tridymite. The analysis includes a gravimetric analysis for weight. A prep charge of **\$25** applies to bulk samples.

Metals

A variety of metals can be collected on the same filter; however, some need to be collected separately due to solubility differences. Please call the lab if you have questions about which metals can be collected together. Pricing for ICP analysis is as follows: The first metal on a filter is **\$34**. Each additional metal on the same filter is **\$13**. Performing a weight analysis on a metal sample that has been collected on a pre-weighed filter is **\$20**. Scan prices are available as follows: 6-8 metals = **\$87**, 9-14 metals = **\$119**, >15 metals = **\$167**. There is a prep charge of **\$5** for wipes and **\$10** for bulks. Pricing for special metals such as mercury can be found in the alphabetical listing.

Prices may change without notice.

Solvents (VOC's)

Compounds referred to as solvents or volatile organic compounds (VOC's) which are sampled on charcoal tubes or 3M 3520 badges are priced as follows: Individual compounds are **\$48** each. Additional compatible compounds, collected on the same charcoal tube, are **\$22** each. A scan for identification and quantitation for a variety of organic compounds collected on a single charcoal tube is **\$190**. The list of what is reported on our two scans is listed below. If other solvents are detected that are compatible with the method, they will be reported but commented.

“A” compatible fixed panel scan on charcoal tubes or 3M 3520 badge desorbed in CS₂ (20 VOCs)

Benzene	Ethyl Benzene	Methyl isobutyl ketone	Trimethyl Benzene (1,2,3-)
Butyl acetate (n-)	Hexane	Pentanone (2-)	Trimethyl Benzene (1,2,4-)
Bromopropane (1-)	Limonene	Perchloroethylene	Trimethyl Benzene (1,3,5-)
Chloro-4-trifluoromethylbenzene(1-)	Methyl acetate	Trichloroethylene	Xylene
Ethyl acetate	Methyl amyl ketone	Toluene	Other VOC as hexane

“B” compatible fixed panel scan on charcoal tubes or badge desorbed in methylene chloride/methanol (24 VOCs)

Butoxyethanol (2-)	Dimethyl Glutarate	Ethyl Pyrrolidone	Propylene Glycol Ethyl Ether
Butyl Carbitol	Dimethyl Succinate	METHYL CARBITOL	Propylene Glycol Methyl Ether
Butyl Cellosolve Acetate	Dipropylene Glycol Methyl Ether	Methyl Cellosolve	Propylene Glycol Methyl Ether Acetate
Butyl Lactate	DMSO	METHYL-2-PYRROLIDINONE,1-	Propoxyethanol(2-)
Diethyl Carbitol	Ethoxyethanol (2-)	Phenyl Cellosolve	Propoxy Propanol (n-)
Dimethyl Adipate	Ethyl Lactate	Propylene Glycol Butyl Ether	Vinyl Pyrrolidinone

Solvents on Orbo 91: Acetone, Methylene Chloride, Methyl ethyl Ketone (MEK),

Solvents on TBC Charcoal: Butadiene, Butyl Acrylate, Ethyl Acrylate, Methyl Acrylate, Styrene.

Alcohols on large Anasorb 747: Butyl Alcohol(n-), Butyl Alcohol(s-), Butyl Alcohol(t-), Ethyl Alcohol, Isobutyl Alcohol, Isopropyl Alcohol, Methyl Alcohol, Propyl Alcohol.

Coal Tar Pitch Volatiles/Polynuclear Aromatic Hydrocarbons (PAH's or PNA's)

Samples analyzed for CTPV can subsequently be analyzed for PAH's following OSHA 58. Cost for CTPV is \$71, OSHA 58 scan only is \$196, and for CTPV + OSHA 58 scan is \$267.

OSHA 58 method looks for: phenanthrene, anthracene, pyrene, chrysene, and benzo-alpha-pyrene.

If the coal tar pitch result is not required, the recommended collection media for PAHs is the OVS-2 tube. The cost for our full scan is \$300. This scan includes: Anthracene, Benzo-alpha-pyrene, Benzoalpha-anthracene, Chrysene, Coronene, Fluoranthene, 3-Methyl-cholanthene, Naphthalene, Perylene, Phenanthrene, and Pyrene.

Prices may change without notice.

Method Table

Use the following table to determine the instrument used for the analysis.

Culture	Culture Microbiological Analysis	ISE	Ion Selective Electrode
CVAA	Cold Vapor Atomic Absorption	LC	Liquid Chromatography
ECOC	Elemental/Organic Carbon Analyzer	PCM	Phase Contrast Microscopy
Flame AA	Flame Atomic Absorption	PLM	Polarized Light Microscopy
GC	Gas Chromatography	SEM	Scanning Electron Microscopy
GF AA	Graphite Furnace Atomic Absorption	TEM	Transmission Electron Microscopy
IC	Ion Chromatography	UV-VIS	UV-Visible Spectroscopy
ICP	Inductively Coupled Plasma	XRD	X-Ray Diffraction

Analyte	Method	Media	Fee
ACETIC ACID (See Acids)			
ACETIC ANHYDRIDE	GC	VA filters	125.00+
ACETONE (See Solvents)	GC	ORBO 91	48.00
ACETONITRILE	GC	Charcoal tube	71.00
ACIDS	IC	Washed silica gel tube (Acid mist tube) phosphate and sulfate can be collected on MCEF	
Fluoride, chloride, nitrite, nitrate phosphate, sulfate, bromide, iodide First anion			50.00
Each additional			23.00
Fluoride, chloride, acetate, formate First anion			50.00
Each additional			23.00
Propionic, butyric, citric First anion			108.00
Each additional			32.00

Acid Mist Scan I (fluoride, chloride, nitrate, phosphate, sulfate)			108.00
Acid Mist Scan IV (fluoride, chloride, formic, acetic, propionic, butyric, citric)			190.00
Bulk sample preparation			add 55.00
Azides, hydrozoic acid			108.00+
ACRYLAMIDE	GC	OVS-7 tube*	81.00
ACRYLIC ACID	LC	2 Chromosorb 108 tubes	83.00+
ACRYLONITRILE	GC	Charcoal tube	71.00
ALCOHOLS (See Solvents or page 6)	GC	Large Anasorb 747 tube	48.00

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
ALDEHYDES	LC	DNPH cartridge* or Umex badge*	
Formaldehyde, acetaldehyde, acrolein, propionaldehyde, butyraldehyde, crotonaldehyde			
First aldehyde			85.00
Each additional			47.00
TO-11 Scan			295.00
Acetaldehyde, acetone, acrolein, benzaldehyde, butyraldehyde, crotonaldehyde, 2, 5-dimethylbenzaldehyde, formaldehyde, hexanaldehyde, isovaleraldehyde, methyl ethyl ketone, propionaldehyde, m & p-tolualdehyde, o-tolualdehyde, valeraldehyde			
ALDEHYDES-OSHA 52	GC	HMP treated XAD tube	
Acrolein, acetaldehyde, formaldehyde			
First aldehyde			63.00
Each additional			23.00
ALLERGENS			65.00+
Cockroach (Bla g1, Bla g2)	Dust Mite (Der p1, Der f1)		each
Mouse (Mus m1)	Rat (Rat n1)	Call for media	allergen
AMINES	IC	H ₃ PO ₄ coated XAD-7 tube	
Ethanolamines (ethanolamine, diethanolamine, triethanolamine)			108.00+
Each additional			32.00
Low Molecular Weight Aliphatic Amines (methylamine, trimethylamine, ethylamine, diethylamine, dimethylethylamine, triethylamine)			
First amine			108.00+
Each additional			32.00

AMINE SCANS Ethanolamines (mono, di & triethanolamine)	IC	H ₃ PO ₄ coated XAD-7 tube	140.00+
Low Molecular Weight Aliphatic Amines			210.00+
AMINES Diethylaminoethanol, dimethylaminoethanol, cyclohexylamine, morpholine, methylmorpholine, diisopropylamine Each amine	GC	H ₃ PO ₄ coated XAD-7 tube	125.00+

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
AMINES Diethanolamine, diethylene triamine, ethanolamine, ethylene diamine, triethylene tetramine Each amine	LC	NITC tubes	108.00+
AMINES (other)	GC or LC	Call for media	Call for price
AMMONIA	IC	Treated tube	54.00
ARSINE	GFAA	Charcoal tube	47.00+
ASBESTOS (Air Fiber Count) Phase Contrast Microscopy	PCM	.8μ MCE filter	28.00
ASBESTOS (Bulk) Polarized Light Microscopy	PLM		38.00
Floor tile by matrix reduction			108.00
Point counting			71.00
ASPHALT FUMES) (as benzene solubles)	Gravimetric	Glass fiber filter	71.00+
AZIDES, HYDROZOIC ACID	IC	Special tube	108.00+
BACTERIA	Culture	Media plate	44.00
		Bulk, wipe	55.00

BENZOPHENONE	GC	Chromosorb 106 tube	78.00
BENZOYL PEROXIDE	LC	Teflon filter	83.00+
BISPHENOL A	LC	Glass fiber filter	83.00+
BORON TRIFLUORIDE	ISE	Impinger	86.00+
BROMINE	IC	Ag filter	71.00
BTEX (benzene, toluene, ethyl benzene & xylene) See Solvents	GC	Charcoal tube or badge	114.00

Prices may change without notice

*** = Media Charge**

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
BUTADIENE	GC	TBC charcoal tube	71.00
BUTOXYETHANOL(2-)	GC	Charcoal tube or badge	48.00
CAPROLACTAM	LC	OVS-7 tube*	83.00+
CARBON BLACK (OSHA THF extraction)	Gravimetric	5 µ PVC filter	71.00
CARBON DIOXIDE	GC	Mini-can or Foil bag*	79.00
CARBON MONOXIDE	GC	Mini-can or Foil bag*	79.00
o-CHLOROBENZYLIDENE MALONITRILE	LC	Teflon filter and tenax tube	107.00+
CHLORINE	IC	Ag filter	71.00
CHLORINE DIOXIDE	IC	Special impinger solution	71.00+
COAL TAR PITCH VOLATILES plus OSHA 58 (5 PAHs)	Gravimetric LC	Glass fiber filter	71.00+ 267.00+
COATINGS (EPA method 24 or 24A)	GC	Double seal can	290.00
CRESOL	LC	XAD-7 tube	86.00
CRISTOBALITE (See Silica)	XRD	PVC filter	

CYANIDE/HYDROGEN CYANIDE	IC or UV-VIS	Soda lime tube	86.00+
DIACETYL	GC	2 silica gel tubes	78.00
DIESEL EXHAUST (Elemental Carbon)	ECOC	Quartz filter	63.00
		SKC impactor (double filter)	95.00
DUST (Respirable or Total)	GRAV	5 μ PVC filter	25.00
ELEMENTAL CARBON	ECOC	Quartz filter	63.00
		SKC impactor (double filter)	95.00
ENDOTOXIN		Polycarbonate filter or bulk	149.00+

Prices may change without notice

* = **Media Charge**

+ = **3 Sample Minimum**

Analyte	Method	Media	Fee
ETHYLCYANOACRYLATE	LC	H ₃ PO ₄ treated XAD 7 tube	107.00+
ETHYLENE GLYCOL	GC	OVS-7 tube*	76.00
ETHYLENE OXIDE	GC	HBr tube	130.00+
FIBERGLASS	PCM	0.8 MCE filter	28.00
FLUORIDE/HYDROGEN FLUORIDE	ISE	Special filters	130.00+
FORMALDEHYDE	GC	HMP treated XAD-2 tube	63.00
	LC	DNPH Sep-Pack* or Badge*	85.00
GASES Carbon dioxide, carbon monoxide, nitrous oxide, methane, propane, oxygen Call lab for gases not listed	GC	Mini-can or Foil bag*	79.00
GLUTERALDEHYDE	LC	DNPH coated glass fiber filter	95.00
GLYCOL ETHERS (See Solvents)			
HALOTHANE	GC	Anasorb 747 tube	48.00
HEXAVALENT CHROMIUM Additional charge for analysis	IC	PVC filter NaOH Quartz filter	71.00

on paint-related samples			36.00
HYDROCARBONS (See Solvents)	GC	Charcoal tube or badge	
HYDROGEN PEROXIDE	UV-VIS	Impinger	55.00+
HYDROGEN SULFIDE	IC	Large Anasorb 747 tube	71.00+
HYDROQUINONE	LC	H ₃ PO ₄ coated XAD-7 tube	86.00+
HYDROZOIC ACID, AZIDES	IC	Special tube	108.00+
IODINE	ISE	Treated charcoal tube	86.00+

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
ISOCYANATES	LC	Treated glass fiber filter	
HDI; MDI; PAPI; IDI; 2,4TDI; 2,6TDI, desmodur N: desmodur W <i>(MDI and desmodur N should be sampled separately on a special MDI filter)</i>			
First isocyanate			95.00
Each additional			47.00
Scan			190.00
ISOFLURANE	GC	Anasorb 747 tube	48.00
LEAD (Paint, soil or wipe)	ICP		26.00
LEGIONELLA (water & wipes)	Culture	Legionella kit	111.00
MALEIC ANHYDRIDE	LC	Call for sampling instructions	119.00+
MEK (2-butanone) (See Solvents)	GC	ORBO 91 tube	48.00
MEK PEROXIDE	UV-VIS	XAD-4 tube	95.00+
MERCURY	CVAA	Tube	47.00+
		Bulk or wipe	59.00+
METALS (except Lead)			
Wipe Prep Charge			5.00
Bulk Prep Charge			10.00

Routine Elements and Compounds by ICP

Any combination of the following metals may be included in a multi-component analysis: *Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, Pb, Sb, Sn, Sr, Ti, V, and Zn*. Certain compounds which contain the above metals may also be included in the scan, such as metal oxides. Please note that compounds cannot be determined specifically. The metal content is determined and a conversion factor is applied. The ICP determines metal content, which may or may not include all compounds of that metal. It is advised that if you are interested in a compound not listed above, you should call the lab to determine the best sampling strategy. Acceptable media include MCE and PVC filters, wipes and bulks.

First component	34.00
Plus weight on pvc filter	20.00
Each additional component	13.00
Scan of 6 to 8 components	87.00
Scan of 9 to 14 components	119.00
Scan of 15 or more components	167.00

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
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METALS (Continued)

Non-Routine Elements and Compounds by ICP

Please call the laboratory to discuss appropriate sampling techniques & compatibilities for metals not listed in "Routine Elements" above.

First component			41.00+
Each additional			24.00
Plus weight on pvc filter		Additional	20.00
Na, K, NaOH, KOH, Na Polyacrylate by Cs method	ICP	Special clear band filter for Na, K Special low sodium filter	34.00+ 39.00
METAL WORKING FLUIDS	Gravimetric Extraction	Prewighed teflon filter	25.00 71.00
METHACRYLIC ACID	LC	2 226-30-08 tubes	83.00+
METHANE	GC	Mini-can or Tedlar bag*	79.00
METHYL CYANOACRYLATE	LC	H ₃ PO ₄ treated XAD-7 tube	108.00+
METHYL PYRROLIDINONE (N-)	GC	Charcoal tube	48.00

METHYLENE-BIS- 2-CHLOROANILINE (MOCA)	GC	Treated glass fiber filter	130.00+
METHYLENE CHLORIDE	GC	Orbo 91	48.00
METHYLENE DIANILINE (MDA)	GC	Treated glass fiber filter	130.00+
MICROSCOPIC ID	Microscopy	Bulk, wipe or filter	
Complete analysis			325.00
Single component			165.00

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
MINICAN			
VOC Scan	GC/MS	Mini-can	275.00
Sulfur/Mercaptan Scan	GC/MS	Mini-can	275.00
MOLDS AND SPORES	Culture	MCE filter or agar plate	44.00
		Bulk or wipe	55.00
	Total Spore Count	Air-O-Cell cassette*	36.00
		Other spore traps	36.00
NAPHTHALENE	GC	Chromosorb 106 tube	48.00
NICOTINE	GC	XAD-4 tube	79.00+
NITRIC OXIDE	IC	TEA-treated molecular sieve	49.00
NITROGEN DIOXIDE	IC	TEA-treated molecular sieve	49.00
NITROSAMINE SCAN	LC-MS	Thermosorb N	350.00+
NITROUS OXIDE	GC	Mini-can or Foil bag*	79.00
OIL MIST (See metal working fluids)			
OZONE	IC	Special filter	71.00

PARAFFIN WAX FUMES	GC	Glass fiber filter	78.00+
PARTICLE IDENTIFICATION OR SIZING (microscopic analysis)	Microscopy		
Complete characterization			325.00
Single compound			165.00
Particle sizing			165.00
PCBs	GC	OVS-2 tube* or wipe	
PCB Scan			125.00+
PCB wipe surcharge			10.00
PENTAMIDINE	LC	PVC filter	108.00+
PENTACHLOROPHENOL	LC	Special XAD-7 tube train (SKC 226-97)	108.00+

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
PESTICIDES BY GC	GC	OVS-2 tube*, wipe or bulk	
Single pesticide (see website for full list)			96.00+
Additional			55.00
Pesticide scan (entire list below) (call lab for other scans)			350.00+
Organophosphate pesticides: Chlorpyrifos, Diazinon, Malathion, Parathion, Dichlorvos			
Chlorinated pesticides: Heptachlor, Aldrin, Dieldrin, DDT, Endrin			
Partial Scan - Chlorinated only or Organophosphates only			225.00+
Wipes & Bulks surcharge			10.00
PESTICIDES BY LC	LC	Glass fiber filter or OVS-2 tube*	107.00+
PHENOL/CRESOL			
First compound	LC	XAD-7 tube	86.00
Second compound			27.00
PHENOLS (OTHER)			
dichlorophenol, dinitrophenol, dimethyl phenol, 4-nitrophenol, 4 chloro-3-methyl phenol, 4-t amyl phenol, pentachlorophenol, trichlorophenol, phenol, cresol			
First compound	LC	Special XAD-7 tube train (SKC 226-97)	105.00+
Each additional			26.00+
PHENOLS SCAN 5			163.00+
Client selects 5 from above list of 10 phenols			
PHENOLS SCAN 10			286.00+
Includes all of above list			

PHOSGENE	GC	HMP treated XAD-2 tube	110.00+
PHTHALATES	GC	OVS Tenax tube*	
First or specific phthalate			83.00+
Each additional			40.00
PHTHALIC ANHYDRIDE	LC	Veratrylamine filter	119.00+
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs or PNAs)	LC	Glass fiber filter or OVS2 tube*	
Single PAH		See page 6 for	108.00
Each additional		more details.	33.00
OSHA 58 (5 PAHs)			196.00
(11 PAH Scan)			300.00
PROPANE	GC	Mini-can or Foil bag*	79.00

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
RADON		Charcoal canister	27.00
RIBAVIRIN	LC	Glass fiber filter	83.00+
RESCORCINOL	GC	XAD-7 tube	108.00+
SILICA - AIR	XRD	PVC filter, PPI*	
Quartz, cristobalite, tridymite (includes weight)			
First compound			71.00
Quartz and cristobalite			83.00
Quartz, cristobalite and tridymite			94.00
SILICA - BULK			
Quartz, cristobalite, tridymite			
First compound			96.00
Each additional			12.00
SOLVENTS	GC	Charcoal tube, 747 tube, ORBO 91 tube or badge*	
First substance per tube			48.00
Each additional substance per tube			22.00
Solvent Scan (see page 6 for details)			190.00
Blanks			48.00
Total VOCs as toluene or hexane			48.00

Minican VOC scan (call for details)	GC/MS	Mini-can	275.00
SODIUM POLYACRYLATE 39.00	ICP	Special low sodium filter	
SPORES AND FUNGI 46.00	Culture	MCE filter, agar plate	
55.00		Bulk ,wipe	
	Total Spore Count		
36.00		Air-O-Cell cassette*	
36.00		Other spore traps	
STYRENE 48.00	GC	TBC Charcoal	
SULFUR DIOXIDE 49.00	IC	SO ₂ filter	

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

Analyte	Method	Media	Fee
TOLUENE	GC	Charcoal tube or badge	48.00
TOTAL or RESPIRABLE DUST	Gravimetric	5 μ PVC filter	25.00
TRIGLYCIDYL ISOCYANURATE 130.00+	GC	Treated filter	
TRIMELLETIC ANHYDRIDE 119.00+	LC	Special filter	
VINYL CHLORIDE	GC	ORBO 91 tube	71.00
VOCs (See Solvents)	GC	Charcoal tube	
XYLENE	GC	Charcoal tube or badge	48.00

Prices may change without notice

* = Media Charge

+ = 3 Sample Minimum

**Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015**

BUSINESS ITEMS

Item 11. 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.

Staff Recommendations and Comments:

There are no contracts requiring board approval.

CUSTOMER	CONTRACT NAME	START DATE	END DATE	ACCOUNT NAME	SCOPE OF WORK	AWARD AMOUNT	WSLH DEPT
WDNR	NIME0000866	1-Mar-15	31-Mar-16	WDNR PM2.5 MONITORING	Lab analysis of PM2.5 samples	\$ 39,916.80	EHD
WDNR	NIME0000865	1-Jul-14	30-Jun-15	WDNR FOX RIVER SEDIMENT NUTRIENTS	Lab analysis of samples related to the Fox River Sediment Nutrient Study.	\$ 9,724.22	EHD
Association of Public Health Laboratories	56400 200 642 15 17	1-Mar-15	31-May-15	APHL PZA INOCULUM 2015	Evaluation of PZA Inoculum Testing Methods for Mycobacterium Tuberculosis complex services	\$ 12,500.00	CDD
Wisconsin Department of Health Services	FAE 50370	1-Jan-15	31-Dec-15	WDHS STD 2015	Lab analysis of samples submitted by STD clinics, IPP test site clinics and private clinics participating as regional surveillance sites; data management; 850 hours of clinical instructor time.	\$ 99,000.00	CDD
Wisconsin Department of Health Services	FAE 50377	1-Aug-14	31-Jul-15	WDHS ELC ENTERICS	Personnel, travel, supplies and testing related to the ELC FoodCORE, INFORM, PulseNet and CalicNet programs	\$ 285,005.00	CDD
Wisconsin Department of Health Services	FAE 50378	1-Aug-14	31-Jul-15	WDHS ELC LAB CAP	Personnel, travel, supplies and equipment (Upgrade for BIOMIC Microbiology software) related to the ELC Lab Cap for PPHF and Non-PPHF programs	\$ 154,220.00	CDD
Wisconsin Department of Health Services	FAE 50379	1-Aug-14	31-Jul-15	WDHS ELC MOLECULAR/AMD	Personnel, travel, supplies and equipment (Upgrade for BIOMIC Microbiology hardware) related to the ELC PPHF and Non-PPHF programs	\$ 188,985.00	CDD
US Dept of Agriculture, Animal & Plant Health Inspection Service (APHIS)	15 7100 0326 CA	1-Apr-15	31-Mar-16	APHIS CA RABIES DIAG 2015-2016	Provide sixteen (16) Wildlife Services National Rabies Management Program laboratories with proficiency test sets. Each test set consists of 2 separate shipments of 5 samples (total of 10 fixed dual brain impressions on Tefloncoated slides).	\$ 7,536.00	LID
Wisconsin Department of Health Services	FAE 50385	1-Jan-15	31-Dec-15	WDHS PHIN SPHERE 2015	Personnel related to the Technical Architecture Support for Public Health Information Network (PHIN) Application Environments; Java Development for Secure Public Health Electronic Record Environment (SPHERE) Application	\$ 76,544.00	OIS

Wisconsin State Laboratory of Hygiene
Board of Directors Meeting
April 21st, 2015

BUSINESS ITEMS

Item 12. DIRECTOR'S REPORT

- A. FY15 Meeting Calendar**
- B. Public or Environmental Health Incidents of Educational Interest**
- C. Water Systems Report**
- D. Other**

**WISCONSIN STATE LABORATORY OF HYGIENE
BOARD OF DIRECTORS
FY15 MEETING CALENDAR**

June 23, 2015 1:00p.m. – 4:00p.m. Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive, Madison, Wisconsin	August 18, 2015 TBA
<ul style="list-style-type: none"> ■ Approve FY16 budget 	<ul style="list-style-type: none"> ■ Present FY15 year-end closeout report
November 3, 2015 1:00p.m. – 4:00p.m. Wisconsin State Laboratory of Hygiene 2601 Agriculture Drive, Madison, Wisconsin	
<ul style="list-style-type: none"> ■ Present FY16 1st quarter report 	<ul style="list-style-type: none"> ■

**Representative Public or Environmental Health Incidents of Educational Interest
For the Period January 23 – April 3, 2015**

Approx. Date	Agent or Event Name	Description	Current Status
OUTBREAKS and INCIDENTS			
February 2015	Ebola virus	The WSLH tested a monitored traveler for Ebola virus (test results were negative). This was part of a coordinated response between WDPH, Public Health Madison-Dane County, Madison area hospitals, Dane County and Wisconsin Emergency Management, and City of Madison Fire/EMS.	Complete
February 2015	Measles	The WSLH performed multiple tests for 2 suspected measles cases in central Wisconsin. Eventually determined that patients did not have measles.	Complete
RECENT EVENTS and FINDINGS			
November 2014 - April 2015	International Symposium on Waterborne Pathogens	Becky Hoffman (WSLH Flow Cytometry) served as a planning committee member for this specialty conference	Complete
February 2015	UW-Madison's Advance Your Career web portal	The Cytotechnology Certificate Program, jointly administered by the WSLH and the UW-Madison Laboratory of Genetics, was 1 of 44 graduate and certificate programs included in the initial launch of UW-Madison's AdvanceYourCareer.wisc.edu web portal. Programs included on the portal are aimed at working professionals who want to continue their education to advance in their current career or move into a specialized field.	Complete
February 2015	Publication in the <i>Journal of the American Water Works Association</i>	Becky Hoffman (WSLH Flow Cytometry) co-authored a publication in the <i>Journal of the American Water Works Association</i> – “Maximizing the Value of your LT2 Cryptosporidium Monitoring.”	Complete
February 12, 2015	SOII News Release	The 2013 Survey of Occupational Injuries and Illnesses news release for injuries in the state of	Complete

		Wisconsin was sent out by the WSLH Bureau of Labor Statistics/Occupational Safety and Health Statistics Unit and WSLH Public Affairs: http://www.slh.wisc.edu/occupational/bls/press/	
February 24 and 26, 2015	Madison College tours	The WSLH hosted 4 tours of Madison College environmental sciences students at Ag Drive. Students toured through all areas of the EHD and OHD labs.	Complete
March 2015	NextGen Whole Genome Sequencing of influenza viruses	<p>The WSLH is the first state laboratory to pilot NextGen whole genome sequencing of influenza viruses. The WSLH is collaborating with and being funded by CDC to bring this cutting-edge technology on line in order to sequence the entire genome of influenza surveillance specimens submitted from Wisconsin and other states.</p> <p>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. Selecting vaccine strains can be a challenge and this technology will, hopefully, improve that process.</p> <p>Once the technology is established at the WSLH, there are potential applications for enteric bacteria and other viral genomes.</p> <p>CDC staff spent 2 weeks at the WSLH training virology 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.</p>	In progress
March 2015	Pyrazinamide (PZA) TB drug susceptibility testing	<p>The WSLH is 1 of 9 laboratories nationwide to receive funding to study the best way to perform testing for susceptibility to the anti-tuberculous drug PZA in order to provide the most accurate guidance for appropriate patient treatment.</p> <p>PZA is one of the major drugs used to treat tuberculosis.</p>	In Progress
March 3, 2015	Environmental “Science Day” at the WSLH	<p>Staff from the WSLH Environmental Health Division, DNR, and UW-Madison provided 16 different environmental monitoring and trends updates in a fast-paced “Science Day”.</p> <p>There were more than 60 people in attendance at</p>	Complete

		<p>Ag Drive from DNR, DHS, USGS and other state and local agencies. The sessions were also streamed live on the web (and archived) so those who couldn't be there in person could participate.</p> <p>Event planning was led by Tracy Hanke (EHD Inorganics), Jeremy Olstadt (Water Microbiology), Erin Mani (EHD Organic Chemistry) and Ron Arneson (DNR). Jim Hermanson and Karl Patzer (IT) and Jan Klawitter (Public Affairs) assisted.</p>	
March 5	Edgewood College Career Week	<p>Rebecca Adams (Bureau of Labor Statistics/Occupational Safety and Health Statistics Unit) participated as a Statistics panelist at Edgewood College during career week. The other panelists represented banking, education, and public health careers. Panelists discussed the ways in which statistics are used in their respective careers, their educational and work background, and advice for juniors and seniors.</p> <p>Jan Klawitter (Public Affairs) participated in a networking event with Edgewood students (freshmen thru seniors) to help students hone their professional networking skills.</p>	Complete
March 11	Safety Day-Gateway Technical College	<p>Rebecca Adams (Bureau of Labor Statistics/Occupational Safety and Health Statistics Unit) gave back-to-back presentations at Safety Day at Gateway Technical College in Racine. The trainings were for employers to learn about new OSHA recordkeeping and reporting requirements which went into effect January 1, 2015.</p>	Complete
March 16	Worker Comp Data Analysis Released	<p>Bureau of Labor Statistics/Occupational Safety and Health Statistics Unit provided analysis of Wisconsin Workers compensation data for claims filed in 2009-2011, released on the DWD website: http://dwd.wisconsin.gov/wc/research_statistics/default.htm</p>	Complete
March 21-22, 2015	UW Science Expeditions	<p>The WSLH had 3 exploration stations as part of UW Science Expeditions, a campus open house to share discoveries at UW-Madison.</p> <p><i>Toilets to Tomatoes: Biosolids Reuse</i> focused on research being done by Zac Carroll, a PhD student working with Dr. Sharon Long (Environmental Microbiology). Visitors learned what happens at the wastewater treatment plant after you flush the toilet and how the resulting biosolids can be treated</p>	Complete

		<p>and turned into fertilizer for your garden and lawn or for farm fields. They could also take home samples of Milorganite, the fertilizer produced by the Milwaukee Metropolitan Sewerage District. Zac was assisted at his station by Dr. Long and Jan Klawitter (Public Affairs).</p> <p><i>Take a Guided Tour Through a Cell</i> allowed kids to make a “cell” using a plastic baggie and craft supplies. They then could look at cell images on a laptop to learn how cytotechnologists, pathologists, and other laboratory scientists evaluate cells to determine whether the specimen is normal; an infection is present; or if the cells represent a precancerous or cancerous disease. Michele Smith and Changhong Ye from Cytology staffed the station along with Cytotechnology Certificate Program students Cora Schmidt and Dan Cruz.</p> <p><i>WSLH Environmental and Occupational Health Smorgasbord</i> took a broad approach to showcasing some of the work done by those divisions. Ariana Mankerian in Radiochemistry used a Geiger counter to show kids how bananas are naturally radioactive. She also talked about radon. Jenny Thorngate from EHD Inorganic Chemistry set up a long tube to demonstrate how an aquifer works using “dirty water”. Jordan Montpetit from WOHL Organic Chemistry had kids look at shells, a geode with pyrite in it, and rayon fibers under 2 different types of microscopes.</p>	
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**Report to the
Wisconsin State Laboratory of Hygiene Board
Water Systems Tests by the WSLH
For the period January 1 – February 28, 2015**

Number of systems on a boil water notice	4
Number of water systems tested	1416
Percent of systems on a boil water notice	0.3%
Number of boil water notices for <u>municipal community water</u> systems.	0
Number of boil water notices for <u>other than a municipal community water</u> system	0
Number of boil water notices for <u>non-transient, non-community</u> water systems.	0
Number of boil water notices for <u>transient water systems</u> .	4

	# of systems tested by SLH				# of Boil Water Notices			
	MC	OC	NN	TN	MC	OC	NN	TN
Adams	3	0	0	0	0	0	0	0
Ashland	3	0	1	0	0	0	0	0
Barron	1	1	5	9	0	0	0	1
Bayfield	1	1	1	0	0	0	0	0
Brown	9	0	2	3	0	0	0	0
Buffalo	3	0	0	0	0	0	0	0
Burnett	0	0	1	0	0	0	0	0
Calumet	7	0	1	0	0	0	0	0
Chippewa	0	0	0	3	0	0	0	1
Clark	7	1	1	1	0	0	0	0
Columbia	10	3	5	13	0	0	0	0
Crawford	5	0	0	1	0	0	0	0
Dane	33	5	10	3	0	0	0	0
Dodge	16	0	5	8	0	0	0	0
Door	3	2	1	59	0	0	0	0
Douglas	0	0	0	0	0	0	0	0
Dunn	0	0	0	0	0	0	0	0
Eau Claire	0	0	0	0	0	0	0	0
Florence	1	0	1	1	0	0	0	0
Fond Du Lac	8	2	4	0	0	0	0	0
Forest	4	0	0	0	0	0	0	0
Grant	12	3	1	3	0	0	0	0
Green	7	0	3	1	0	0	0	0
Green Lake	5	1	1	0	0	0	0	0
Iowa	8	0	1	3	0	0	0	0
Iron	5	0	0	1	0	0	0	0
Jackson	3	0	1	3	0	0	0	0
Jefferson	6	3	1	3	0	0	0	1
Juneau	10	2	0	2	0	0	0	0
Kenosha	0	8	3	0	0	0	0	0
Kewaunee	3	1	2	2	0	0	0	0
La Crosse	1	1	1	1	0	0	0	0
Lafayette	6	0	0	0	0	0	0	0
Langlade	1	1	0	0	0	0	0	0
Lincoln	3	0	0	1	0	0	0	0
Manitowoc	5	2	3	3	0	0	0	0
Marathon	3	1	2	0	0	0	0	0
Marinette	7	1	1	4	0	0	0	0
Marquette	1	0	1	8	0	0	0	0
Menominee	0	0	0	0	0	0	0	0
Milwaukee	2	2	2	0	0	0	0	0
Monroe	6	2	1	1	0	0	0	0
Oconto	5	2	3	7	0	0	0	0
Oneida	1	3	0	0	0	0	0	0
Outagamie	9	0	1	5	0	0	0	0
Ozaukee	1	0	3	2	0	0	0	0
Pepin	0	0	1	0	0	0	0	0
Pierce	2	1	3	1	0	0	0	0
Polk	1	0	0	1	0	0	0	0
Portage	4	0	4	0	0	0	0	0
Price	3	0	0	0	0	0	0	0
Racine	1	1	5	7	0	0	0	0
Richland	6	0	2	0	0	0	0	0
Rock	7	5	4	4	0	0	0	0
Rusk	1	0	0	0	0	0	0	0
Sauk	10	1	2	1	0	0	0	0
Sawyer	2	0	1	0	0	0	0	0
Shawano	9	0	0	3	0	0	0	0
Sheboygan	8	0	1	0	0	0	0	0
St. Croix	2	2	0	3	0	0	0	0
Taylor	2	0	1	0	0	0	0	0
Trempealeau	6	1	1	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0
Vernon	5	0	0	2	0	0	0	0
Vilas	3	3	0	0	0	0	0	0
Walworth	2	2	2	0	0	0	0	0
Washburn	1	1	1	1	0	0	0	0
Washington	1	7	6	1	0	0	0	0
Waukesha	4	4	9	1	0	0	0	0
Waupaca	6	0	3	3	0	0	0	0
Waushara	4	0	0	7	0	0	0	0
Winnebago	4	0	2	0	0	0	0	0
Wood	5	4	4	0	0	0	0	0

January 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.

NN is non-transient non-community water system which means a non-community water system that regularly serves at least 25 of the same persons over 6 months per year. Examples of non-transient non-community water systems include those serving schools, day care centers and factories.

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 systems tested by SLH				# of Boil Water Notices			
	MC	OC	NN	TN	MC	OC	NN	TN
Adams	3	2	0	0	0	0	0	0
Ashland	3	0	1	0	0	0	0	0
Barron	1	1	0	16	0	0	0	0
Bayfield	1	1	0	0	0	0	0	0
Brown	9	0	3	9	0	0	0	0
Buffalo	3	0	2	0	0	0	0	0
Burnett	0	0	0	0	0	0	0	0
Calumet	7	1	1	8	0	0	0	0
Chippewa	0	2	0	10	0	0	0	0
Clark	7	1	5	1	0	0	0	0
Columbia	10	0	4	7	0	0	0	0
Crawford	5	0	0	0	0	0	0	0
Dane	32	7	10	3	0	0	0	0
Dodge	16	1	8	4	0	0	0	0
Door	3	0	1	22	0	0	0	0
Douglas	0	0	1	1	0	0	0	0
Dunn	0	1	0	0	0	0	0	0
Eau Claire	0	2	0	0	0	0	0	0
Florence	1	0	0	3	0	0	0	0
Fond Du Lac	8	3	2	0	0	0	0	0
Forest	3	0	0	0	0	0	0	0
Grant	12	4	2	7	0	0	1	0
Green	7	0	2	3	0	0	0	0
Green Lake	5	0	1	3	0	0	0	0
Iowa	8	0	2	5	0	0	0	0
Iron	5	0	0	0	0	0	0	0
Jackson	2	0	1	2	0	0	0	0
Jefferson	6	4	6	20	0	0	0	0
Juneau	10	0	1	2	0	0	0	0
Kenosha	0	9	5	4	0	0	0	0
Kewaunee	3	0	2	5	0	0	0	0
La Crosse	1	2	1	1	0	0	0	0
Lafayette	6	0	0	3	0	0	0	0
Langlade	1	0	0	1	0	0	0	0
Lincoln	3	0	1	0	0	0	0	0
Manitowoc	5	2	2	2	0	0	0	0
Marathon	3	0	2	0	0	0	0	0
Marinette	7	1	1	7	0	0	0	0
Marquette	1	1	7	7	0	0	0	0
Menominee	0	0	0	0	0	0	0	0
Milwaukee	2	1	3	0	0	0	0	0
Monroe	6	3	0	1	0	0	0	0
Oconto	5	1	2	20	0	0	0	0
Oneida	1	3	1	0	0	0	0	0
Outagamie	9	0	0	6	0	0	0	0
Ozaukee	1	2	6	0	0	0	0	0
Pepin	0	1	2	0	0	0	0	0
Pierce	2	0	3	0	0	0	0	0
Polk	1	0	0	1	0	0	0	0
Portage	4	0	2	0	0	0	0	0
Price	3	0	1	0	0	0	0	0
Racine	1	2	10	32	0	0	0	0
Richland	6	0	2	1	0	0	0	0
Rock	7	3	5	3	0	0	0	0
Rusk	1	0	0	0	0	0	0	0
Sauk	11	2	4	1	0	0	0	0
Sawyer	2	0	0	0	0	0	0	0
Shawano	9	1	1	7	0	0	0	0
Sheboygan	8	1	0	3	0	0	0	0
St. Croix	2	1	3	0	0	0	0	0
Taylor	1	0	0	0	0	0	0	0
Trempealeau	6	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0
Vernon	5	1	0	0	0	0	0	0
Vilas	3	2	0	0	0	0	0	0
Walworth	2	1	5	0	0	0	0	0
Washburn	1	0	1	2	0	0	0	0
Washington	1	7	2	1	0	0	0	0
Waukesha	5	6	18	0	0	0	0	0
Waupaca	6	0	3	0	0	0	0	0
Waushara	4	0	1	11	0	0	0	0
Winnebago	4	0	0	0	0	0	0	0
Wood	5	1	4	2	0	0	0	0

February 2015

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