

**BOARD OF HEALTH MEETING
November 14, 2006
DEPARTMENTAL REPORTS**

DEPARTMENT: Laboratory

REPORT FOR THE MONTH OF October 2006

Highlights:

- **Clinical Chemistry:** Shahla provided training on waived testing, autoclaving, and lab clerical duties to our temporary employee. Laboratory equipment received biannual servicing.
- **Microbiology:** The laboratory processed 18 investigative samples from two storm water outfalls on the Root River identified during the summer as having the potential to have sanitary waste discharge. *E. coli* exceeded 235 MPN/100 ml (the USEPA advisory limit for *E. coli*) in 13 of these samples and exceeded 1000 MPN/100 ml in nine samples. We also processed three storm water samples from the Village of Wind Point for *E. coli* and phosphorous as part of their storm water management plan. We continue our participation in the USEPA laboratory validation study for real-time PCR.
- **Blood Lead:** Ninety-one patient samples were screened for lead poisoning in October. There were four Class IIA (10 – 14 µg/dl), one Class IIB (15- 19 µg/dl), and two Class III (20 – 44 µg/dl) results reported.

Productivity Measures:

Productivity Measures	Monthly	YTD
Clinical Chemistry:		
Patients served	165	1,228
Tests performed	1,224	10,988
Microbiology:		
Surface water samples	21	799
Well water samples	52	300
Throat cultures	10	120
Urine pregnancy tests	8	81
Blood Lead:		
Patients served	91	679
Tests	173	1,313
Samples sent to WSLH	0	0

Outcome Achievements:

- Julie gave presentations to the Sierra Club (Oral, *Applying Scientific Research to Beach Management*) and the USEPA National Beaches Conference (Poster, *Improving Surface Water Quality through Beach Sand Manipulation*). She also organized and moderated the session on remediation at the USEPA National Beaches Conference.

- Julie has been asked to review portions of the revised *Guidelines for Canadian Recreational Water Quality* (federal recreational water quality guidelines) by Health Canada. It is their intent to cite Racine's findings/perspective on the issues of beach grooming and grading in discussing possible barriers as part of a risk management strategy as well as mention composite sampling as an approach that has been explored/used successfully in some areas.
- Julie participated in Make-A-Difference Day, leading a group of young professionals on a clean up of Zoo Beach and the constructed wetland area at the English Street outfall.
- Shahla continues to flex up her hours to cover lack of staffing due to Natalie's maternity leave. She is doing an excellent job and her efforts are much appreciated. Jean Mandujano is a welcome addition to the laboratory staff and is an excellent phlebotomist.
- The staff was informed that the health department laboratory will cease operation at some point between September 30th and December 31, 2007. We would hope that the laboratory will continue to remain open for the duration of 2007 (and beyond).

**MEETINGS/TRAINING
OCTOBER**

Date	Staff	Conf./Training Place	Purpose
10/2	J. Kinzelman	Sustainable Racine	WCMP grant application for River Alliance of WI
10/3	J. Kinzelman	UW-Oshkosh	WDNR Beach meeting
10/4	J. Kinzelman	Sustainable Racine	MADD meeting
10/4	J. Kinzelman	City Hall	Root-Pike WIN grant applicant interviews
10/7	J. Kinzelman	Trefoil Oaks	Sierra Club autumn assembly
10/10	S. Anders	City Hall	Board of Health
10/11 - 10/13	J. Kinzelman	Niagara Fall, NY	USEPA National Beaches Conference
10/13	S. Anders	City Hall	Communication Committee
10/20	J. Kinzelman	City Hall	GLSLCI Beach Standards conference call
10/21	J. Kinzelman	North Beach Oasis	Lake Michigan Pathway dedication
10/23	J. Kinzelman	City Hall	Assist with WCMP grant application for River Alliance of WI – conference call
10/26	J. Kinzelman	City Hall	Provide instruction to clinic clerk regarding collection and receipt of urine samples
10/27	J. Kinzelman	UW-Parkside	Interview for MJS
10/28	J. Kinzelman	Zoo Beach	Make-A-Difference Day
10/30	S. Anders	Bristol, WI	Tri-County Public Health Consortium speaker series
10/30	J. Kinzelman	City Hall	USGS conference call