

BOARD OF HEALTH MEETING
December 8, 2009
LABORATORY REPORT

DEPARTMENT: Laboratory reported by Dr. Julie Kinzelman

REPORT FOR THE MONTH OF: November, 2009

Highlights:

- Twice weekly Root River sampling continued during November 2009.
- We were offered the grant contract by the Water Environment Research Foundation November 5, 2009. Racine and its' partners will receive \$300,000 to study the applicability of QPCR for monitoring inland beaches, flowing waters, and wastewater through the treatment process. The project, starting January 2010, was the only one awarded nationally.
- The RHD is participating in a national multi-lab QPCR study as one of eight sites. We are assessing inter-laboratory precision and accuracy by multiple methods on multiple instrument platforms. The City has brought back Miss Tamara Anan'eva to work on the project. Tamara has a certificate in Biotechnology from MATC and will finish up her BS in microbiology at UW-Milwaukee in May 2010.
- Our project proposal submitted to the US EPA in August has been ranked #2 nationally. The US EPA has indicated that it anticipates funding the top seven projects but we await official funding notification. The award is \$85,000 for two years to look at developing a secondary fecal indicator test method using *Bacteroidales* (an organism predominant in the human gut) as an auxiliary test in addition to *E. coli* in order to strengthen the association between fecal indicator organism density and health risk.
- Five grant pre-proposals have been submitted to the WI DNR in response to the Great Lakes Restoration Initiative RFP. The projects, either lead by Racine or with Racine as a partner, would identify pollution sources and suggest remediation at all Great Lakes 303d listed beaches in WI using the US EPA beach sanitary survey tool, enhance the L-THIA hydrodynamic model which looks at *E. coli* loading as a function of land use, compare coastal predictive models to QPCR results, and expand laboratory capacity within the State of WI to conduct rapid QPCR testing. Full proposals are due January 29, 2010.

CONFERENCES/MEETINGS/TRAINING – November 2009

Date	Conferences/Meetings/Training	Purpose
11/9/09	Mayor Dickert	Weekly meeting
11/10/09	Board of Health	Monthly meeting
11/10/09	MSOE, Racine Zoo GL conservation Center	Review student design plans
11/13/09	UW-Parkside, Future in the Water Generation	D/S curriculum development
11/17/09	Mayor Dickert	Weekly meeting
11/17/09	Great Lakes Regional Collaboration	Quarterly conference call
11/19/09	City of Kenosha, Parks & Public Works Departments	D/S GLRI funding opportunity, partnership
11/20/09	Case High School, Mass Immunization Clinic	Assist with clinic
11/23/09	US EPA, National Multi-Lab Study	D/S project objectives
11/23/09	WERF	D/S contract revisions
11/25/09	Mayor Dickert	Weekly meeting