

2010 ANNUAL REPORT



SERVING THE CITIES OF:

Beloit, Clinton, Edgerton, Evansville,
Orfordville, Footville, Janesville,
Milton, Rural Townships of Rock County

ROCK COUNTY HEALTH DEPARTMENT

P.O. Box 1143
Janesville, WI 53547
757-5440

61 Eclipse Center
Beloit, WI 53511
364-2010

www.co.rock.wi.us

Preventing Illness and Enhancing Health Through Quality Service

ROCK COUNTY HEALTH DEPARTMENT

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4/25/2011

I am pleased to present the annual report of services provided by the staff at the Rock County Health Department. Following the H1N1 pandemic in 2009, 2010 was a year to focus again on the daily public health programs that keep our public safe and healthy.

During the H1N1 outbreak in 2009, collaboration played a vital role in getting public health services accomplished. In 2010, collaboration again played a key role in service delivery. In difficult economic times, collaboration is important in trying to get as many services to the citizen in the most cost effective and efficient manner. Some of the collaborative efforts carried out by the staff in 2010 included:

- the ongoing prescription drug collections offered in Janesville, Beloit, Edgerton and the 24/7 collection in Milton;
- Healthy Families First collaboration with M & I Bank provided public health nurses with incentives and gifts for families with young children;
- Healthy Homes grant allowed nurses and sanitarians to work collaboratively to identify health and safety risk factors in homes with young children and devices that would help reduce the risks (i.e. outlet plugs, gates);
- collaboration with the Head Start program to offer services to families with young children;
- ARRA funding (stimulus money) allowed the Health Department to collaborate with First Choice Women's Health Center to immunize women who would not usually be eligible for low cost vaccination;
- contaminated wells on properties along Nature's Ridge Road required collaboration between residents, Health Department staff, Wisconsin State Laboratory of Hygiene, and the DNR to identify the source of contamination and well remediation;
- facilitation of a meeting between the town of Milton and residents of the flooded Clear Lake properties to determine how to best get flooded properties removed from the lake to prevent possible contamination.
- internal collaboration to implement a Facebook page and updating of the health department's website.

In helping us accomplish our mission, we are grateful to the Rock County Board of Supervisors, the Rock County Board of Health, and the County Administration for providing us with the ways and means to getting our work accomplished. Without the support of these groups, Rock County citizens would not have access to the quality Public Health services currently available.

As you review the activities presented in this report, should you need or want more information, please feel free to contact Health Department staff. We believe it is our job to serve the county citizens and we take pride in being able to find answers to your questions or to provide information about our services.

Karen Cain R.N., M.S.
Director/Health Officer
Rock County Health Department

Preventing Illness and Enhancing Health Through Quality Service

ROCK COUNTY HEALTH DEPARTMENT
2010 ANNUAL REPORT

TABLE OF CONTENTS – ELECTRONIC VERSION

| | |
|--|-------|
| Health Department Staff. | 4 |
| 2010 Financial Statement | 5 |
| Environmental Health | 6- 32 |
| Environmental Health Report Summary | |
| Food Protection and Public Lodging Program | |
| Recreational Health & Safety | |
| Community Health & Safety | |
| Ground Water Protection Program | |
| Laboratory Services | |
| Emergency Planning | |
| Private Sewage Disposal Program | |
| Health Education | 33 |
| Public Health Nursing | 34-45 |
| Public Health Nursing Division | |
| Communicable Disease Control | |
| Maternal and Child Health Services | |
| Family Health Clinic | |
| Clinic Services | |
| New Services in 2010 | |

Rock County Board Members

Sandra Kraft – *Chair*
Louis Peer – *Vice Chair* Dr. Aaron Best, MD
Richard Bostwick
Dr. Dean Peterson, DVM

James Rooney, RPh
Jane Thompson
Judith Wade, WHNP
Dr. Connie Winter, DDS

Health Department Personnel:

HEALTH OFFICER

Karen Cain, RN, MS – Health Officer

OFFICE STAFF

Stephanie Bailey – Administrative Assistant (resigned 11/10)
Erica Brandenburg – Health Aide
Kelly Clauer – Health Aide 0.6 FTE (resigned 3/10)
Terri Graham – Health Aide
Katie Shebesta – Health Aide, 0.6 FTE (resigned 10/10)
Jolly Lamb – Clerk/Stenographer III
Carol McComb – Administrative Assistant
Geri Waugh – Account Clerk II

HEALTH EDUCATOR

Laura Fadrowski, BS

PUBLIC HEALTH NURSING

Janet Zoellner, RN, MS – Public Health Nursing Director
Deborah Erickson, RN, BSN – Public Health Nursing Supervisor
Sancee Siebold, RN, MSN – Public Health Nursing Supervisor
Jenna Bouton, RN, BSN – Public Health Nurse
Janice Braswell, RN, BSN – Public Health Nurse (resigned 2/10)
Serena Jahnke-Berg, RN, BSN – Public Health Nurse
Carissa Hodges, RN, BSN, BA - Public Health Nurse
Ann Klesic, RN, BSN – Public Health Nurse
Michelle Krantz, RN, BSN – Public Health Nurse
Jill Lampo, RN, BSN - Public Health Nurse
Joel Mallari, RN, BSN – Public Health Nurse
Olga Myers, RN – Community Health Nurse
Jessica Petite, RN, BSN – Public Health Nurse
Yvonne Rittenhouse, RN, BSN – Public Health Nurse (resigned 5/10)
Jennifer Stenger, RN, BSN, CHES – Public Health Nurse
Amy Stricker, RN, BSN – Public Health Nurse
Casey Stubbs, RN, BSN – Public Health Nurse
Jennifer Weadge, RN, BSN – Public Health Nurse
Anne Weirich, RN, BSN – Public Health Nurse
Risa Weisensel, RN, BSN – Public Health Nurse

ENVIRONMENTAL HEALTH SANITARIANS

Timothy Banwell, RS, MPH – Environmental Health Director
Janis Baumann, RS, BS – Registered Sanitarian
Adam Elmer, RS, BS, – Registered Sanitarian
Roger Eychaner, RS, BS – Registered Sanitarian
Richard Jacobson, RS, BS – Registered Sanitarian
Jeff Moore, BS, – Environmental Health Technician
Jackie Phillips RS, BS – Registered Sanitarian
Amanda Pinter, BS – Environmental Health Technician (resigned 7 /10)
Mark Seymour, RS, MS – Registered Sanitarian
Matthew Wesson, RS, BS – Registered Sanitarian
Rick Wietersen, RS, MS – Registered Sanitarian
Peter Zakarias, BS – Sanitarian I/Environmental Health Technician

MEDICAL ADVISOR

Dr. William Clanfield, MD

ROCK COUNTY HEALTH DEPARTMENT

**Source & Application of Funds
For the Budget Year Ended December 31, 2010**

SOURCES OF FUNDS

PROGRAM REVENUES

| | |
|-----------------------|-------------------|
| Public Health Nursing | \$ 134,950 |
| Environmental Health | 683,546 |
| Laboratory Fees | <u>17,100</u> |
| TOTAL | \$ 835,596 |

GRANT/OTHER REVENUES

| | |
|-----------------------|-------------------|
| Consolidated Contract | \$ 257,541 |
| PHER | 70,000 |
| DATCP grant | 3,500 |
| Federal /State Aid | 28,000 |
| Contributions | <u>550</u> |
| TOTAL | \$ 359,591 |

SUBTOTAL **\$ 1,195,187**

County Tax Levy **\$ 2,300,154**

TOTAL SOURCES **\$ 3,495,341**

APPLICATION OF FUNDS

Salaries and Benefits \$ 2,871,134

Other Operating Expenses **\$ 624,207**

TOTAL APPLICATIONS **\$ 3,495,341**

2010 ENVIRONMENTAL HEALTH DIVISION

Environmental Health Division Activities for 2010

Each year brings new challenges and the Environmental Health Division staff responds to these challenges by providing services, regulatory action and information to the general public and property owners. Some of the highlights of the Environmental Services Division in 2010 are described below.

Disaster Relief Grant for Properties Impacted by the 2008 Flood – The Health Department secured a federal grant through the State Department of Health Services to assist well owners impacted by the 2008 flood. Experience has shown that flood impacted wells can be chronically unsafe. This grant provided well testing for 255 private well owners. Of these, 58 wells tested unsafe for coliform bacteria. Of the 58 wells testing coliform unsafe, further analysis identified 8 as E. coli unsafe; much higher than the one or two typically seen in one year. Grants were available to 18 property owners for chlorination and minor well repairs.

While implementing the grant, an unusual situation surfaced in the Town of Beloit. A severely contaminated well was discovered. After much investigation the source of contamination was identified as a damaged pipe to a septic system leaking into the bedrock. Correcting the leak eliminated contamination in adjacent wells, but additional sampling in the neighborhood uncovered other contaminated wells that may not be associated with the original cause. Our staff conducted a public meeting for the residents of the neighborhood explaining the known and potential issues impacting their wells. Sampling through the WDNR and State Lab of Hygiene is continuing through the winter and the spring of 2011.

Prevention Block Grant- Data from the Local Emergency Response Plans was assembled into a geographic information system (GIS) for use by emergency responders during a release of an extremely hazardous substance. Zones of influence are estimated around facility storage sites and chemical hazard information is attached. Currently the locations of vulnerable populations are being geolocated for estimating risk to nursing homes, daycare centers, schools and others during a chemical release.

Beach Sampling – Sampling of licensed beaches expanded this year to include a variety of lakes, streams and rivers. Not only are the three licensed beaches a recreational venue for the public, but also many of the other surface water sources are used for fishing, swimming and boating. It was our intent to better understand the public health risks associated with our community's surface water resources.

At the end of the sampling season, the results demonstrated that the Rock River was generally safe all season long. However, many of the smaller streams experienced periodic high levels of fecal coliform bacteria, often related to rainfall events. The 2011 sampling program will be planned to better identify the cause of the high counts. Public service announcements next spring will inform the public of how to prevent exposure to these risks.

Clear Lake Flooding- Since 2006, the annual precipitation in southern Wisconsin has been higher than normal, causing not only the 2008 flood but also rising groundwater levels. As groundwater levels rise, flooding can occur in lakes and marshlands without streams to drain away the excess water. Clear Lake and the surrounding area, near Milton has been severely impacted by rising water submerging cottages along the shoreline. There are no solutions short of experiencing an extended period of drought. Submerged cottages in Clear Lake posed a potential safety and contamination problem. The Health Department convened a meeting of citizen, county and town representatives to develop solutions addressing these concerns. The meeting was beneficial for exploring all options and available recourses. As of this time, the Town of Milton is proceeding with plans for removal of the cottages.

Flood of 2010 – Perhaps lost in the other activities of 2010 is flooding in the Rock River. Depending on which monitoring station is read, on July 31, 2010 the Rock River crested at its 6th highest recorded level. While significantly below the record 2008 flood, our department advised homeowners with questions on well water sampling and problems associated with excessive precipitation and moisture.

Pool Operators Seminar- A swimming pool seminar for swimming pool operators held on February 17, 2010 attracted 45 attendees from the 67 swimming pools licensed in Rock County. Of particular interest to owners and operators of public swimming pools is compliance with the Virginia-Graham-Baker Act. This act is a federal requirement to renovate the drains on pools to prevent entrapment of swimmers under water. Being a very costly procedure, industry and regulatory experts provided valuable information.

Healthy Homes Grant – The department received a Healthy Homes grant from the State Department of Health Services. The grant allowed staff to meet with people in their homes to help identify hazards and develop strategies to eliminate them. Safety devices are made available to residents. As collaboration with the nursing division, department staff has conducted 63 health homes visits.

Unwanted Medication Collection – With help from a Department of Agriculture grant, four collection events were held. The Health Department held meetings this year to foster interest in operating a 24/7-drop off box for unwanted medications. As a result of those meetings, resources from a special county fund assisted the Milton Police Department with implementing a 24/7-collection box at their department. Other local law enforcement agencies are considering their own drop boxes. This year approximately 2,400 pounds of unwanted medications have been collected.

Mobile Home Park – For the last year, our department has been coordinating efforts with the Town of Plymouth to bring a mobile home park in compliance with State and Town mobile home park requirements. A mobile home park in the Town of Plymouth had their operating license revoked in June, by the Town. After a lengthy compliance schedule, the owner failed to meet the minimum standards. Currently the owner is in legal proceedings to appeal the revocation. Our department is working with the Town to resolve problems that develop.

Food Safety Program – Two surveys were given to food establishment operators this year. The surveys were developed to determine training needs for employees of the food establishment and to determine the satisfaction of the new inspection process. The training needs survey determined that there is a need for training food establishment workers. Onsite training in establishments was preferred over more formal classroom training. Operators expressed satisfaction with the new inspection process. Almost all respondents liked the new tablet computer reports. Operators also expressed satisfaction with the professional behavior of the staff.

Staff implemented a trial inspection process this year. Onsite training visits were scheduled with ten operators where the sanitarians met with the staff and went over the inspection report. When a high-risk violation was a special concern, the operator developed a risk management plan.. Visits were well received by the establishment operators and their staff. Follow up inspections in 2011 will evaluate the impact of these visits on future inspections.

Public Education –The environmental health division sent out a variety of public service announcements (PSAs) on radon, rabies, food safety, blue green algae, well water testing, carbon monoxide, and childhood lead poisoning. The department website has listed in addition to the PSAs, beach water results, food recalls, Rx collection dates and air pollution alerts. Booths on environmental health programs were located at health fairs and the City of Janesville Open House. Presentations were given to the Rock County Towns Association, Janesville Rental Owners Association, and a forum at the Pontiac Center.

FOOD PROTECTION AND PUBLIC LODGING PROGRAM

Residents and visitors to our community use food service establishments and public lodging facilities. The threat of food borne illness is ever present and citizens expect that they can dine out and travel in relative safety. Recent statistics from the CDC state that one in six people suffer from food borne illness in any one year. The role of public health is to not only license and regulate but to provide owners, operators and workers with the latest information on food safety practices.

The goal of the Food Protection and Public Lodging Program is to protect the health and safety of the public that utilizes licensed food and public lodging establishments in Rock County.

Objective 1: By December 31, 2010, the program staff will conduct annual routine inspections at each licensed facility for compliance with state and local regulations.

Nine hundred twenty one routine inspections were conducted at hotel/motel facilities, tourist rooming houses, bed and breakfasts, food establishments, retail food establishments and temporary facility inspections. The average score of restaurant and retail facilities in 2010 is 86.6.

Objective met

Objective 2: By December 31, 2010, respond to citizen complaints within two days regarding code violations for restaurants, retail food and public lodging facilities.

Forty-five general complaints regarding restaurants, retail food and public lodging facilities were received and investigated in the field. Seven general complaints were received and investigated from the office. All were responded to within 48 hours.

Objective met

Objective 3: By December 31, 2010, before a new facility opens or an existing facility is sold to a new owner, a pre-inspection will be conducted to verify substantial compliance with state and local regulations prior to issuing a license.

Seventy-four pre-inspections were conducted public lodging facilities to verify substantial compliance with state and local regulations prior to issuing a license.

Objective met

Objective 4: By December 31, 2010, conduct follow-up inspections that have critical violations within seven days.

One hundred critical violation follow-ups were conducted at restaurants, retail food and public lodging facilities. Sixty percent were completed within seven days.

Objective not met

Objective 5: By December 31, 2010, conduct annual inspections of vending machines and vending company commissaries in Rock County.

Three inspections were conducted for the State of Wisconsin at vending machine commissaries under an agent agreement. Three hundred thirty three individual vending machines were inspected for the State of Wisconsin under an agent agreement.

Objective met

Objective 6: By December 31, 2010, respond to all foodborne illness complaints within 24 hours and investigate all foodborne illness outbreaks to determine the cause and to prevent future outbreaks.

Thirteen investigations were conducted at restaurant, retail food establishments and public lodging facilities. All complaints were responded to within 24 hours. No confirmed cases were identified from the investigations.

Objective met

Objective 7: By December 31, 2010, conduct an annual inspection and conduct a review of the hazard analysis critical control (HACCP) plans for each school, group home or private institution kitchen involved in the National Breakfast and Lunch Program.

Forty-three routine inspections and HACCP inspections at public and private schools were conducted for State of Wisconsin Department of Public Instruction under an agent agreement.

Objective met

Objective 8: By December 31, 2010, conduct at least one inspection of each senior citizen nutrition facility to ensure safe food handling practices.

Eight dining sites were inspected for Rock County Council on Aging under an interagency agreement.

Objective met

Objective 9: By December 31, 2010, continue outreach to licensed establishments through quarterly newsletters and quarterly meetings of the Food Safety Advisory Committee.

Four newsletters were sent out to food service operators and other persons in the community interested in food safety.

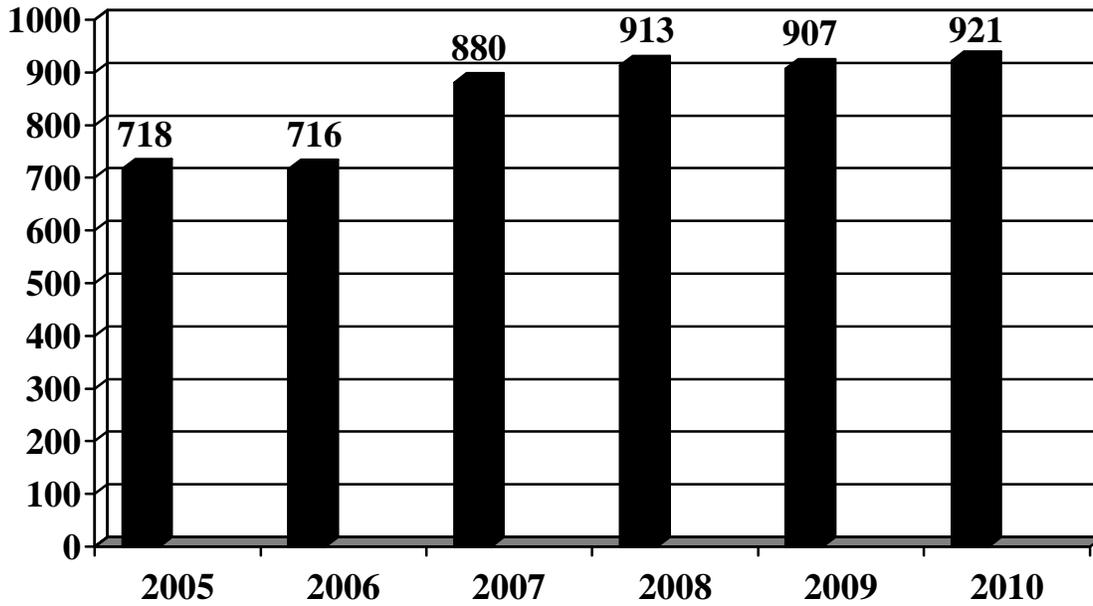
Four meetings were held with the Food Safety Advisory Committee for input and ideas to get food safety messages out to the public.

Objective met

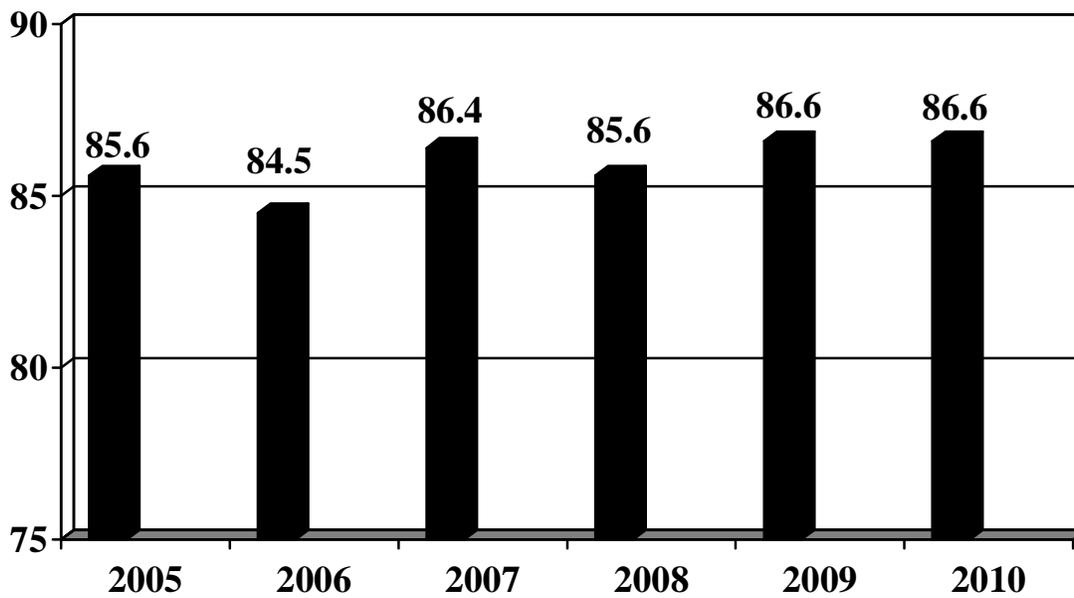
FOOD PROTECTION AND PUBLIC LODGING PROGRAM DATA

| | 2007 | 2008 | 2009 | 2010 |
|---|-------|-------|-------|-------|
| Food Establishments, Retail, School and Public Lodging Permits | 880 | 913 | 907 | 921 |
| Restaurant Routine Inspections | 394 | 515 | 505 | 491 |
| Retail Food Routine Inspections | 202 | 234 | 238 | 228 |
| School Lunch Room Routine Inspections | 41 | 41 | 41 | 43 |
| Motel, Hotel, Bed & Breakfast & Tourist Rooming Houses Routine Inspections | 32 | 32 | 32 | 30 |
| Temporary Restaurant and Retail Food Establishment Inspections | 75 | 79 | 82 | 107 |
| Vending Machine & Milk Vending Machine Inspections | 397 | 421 | 355 | 359 |
| Restaurant, Retail and Lodging Establishments Pre-Inspections. | 92 | 88 | 78 | 74 |
| Restaurant, Retail, Lodging and School Establishment Critical Violation Follow-up Inspections | 118 | 109 | 134 | 100 |
| Restaurant & Retail Written Compliance Orders Issued | 9 | 17 | 21 | 16 |
| Food borne Illness Complaints | 4 | 22 | 8 | 13 |
| Restaurant, Retail, School Complaints: General | 80 | 53 | 60 | 52 |
| Program Telephone Contacts | 2,298 | 1,921 | 2,027 | 2,054 |

Rock County Health Department
Number of Food &
Lodging Permits



Rock County Health Department
Restaurant and Retail Facility Score History
Routine Inspections



RECREATIONAL HEALTH & SAFETY

Many recreational opportunities exist in Rock County for residents and visitors: beaches, pools, recreational educational camps and campgrounds.

These are excellent ways for social interaction and physical activity needed for a healthy life. However, stepping out of a day-to-day routine places people at risk for injury and adverse health events, such as recreational water illnesses, drowning, and other accidents. Beaches, pools, recreational educational camps and campgrounds are licensed by the Rock County Health Department and meet specific standards that reduce the public health risk for accidents and exposure to communicable disease.

The goal of the Recreational Health and Safety Program is to reduce or eliminate the spread of communicable disease and the risk of injury to the public who participate in recreational activities at beaches, swimming pools, campgrounds, and recreational educational camps in Rock County.

Objective 1: By December 31, 2010 conduct an annual inspection for each licensed facility.

During 2010, all 9 campgrounds, 3 recreational camps, 67 swimming pools and 3 beaches received an annual inspection. Inspections were also completed for 2 special event campgrounds.

Objective met

Objective 2: By December 31, 2010, respond to citizen complaints within two days regarding violation of state and local codes.

During 2010, three swimming pool complaints and 1 beach complaint were responded to in the field within two days.

Objective met

Objective 3: By December 31, 2010, conduct follow-up inspections within two weeks at facilities that have critical violations.

During 2010, forty-five swimming pool follow-up inspections were completed within two weeks for facilities with critical violations.

Objective met

Objective 4: By December 31, 2010, conduct pre-inspections when new establishments open or current ones change ownership to ensure compliance with the state and local codes.

During 2010 one beach pre-inspection and one campground pre-inspection were conducted due to ownership change.

Objective met

Objective 5: By December 31, 2010, conduct one educational seminar for swimming pool owner/operators.

On February 17, 2010 an educational seminar for swimming pool owners/operators was held at the Rock County Job Center in Janesville, WI. The seminar featured presentations by Rock County Health Department staff, Wisconsin Department of Health Services staff and swimming pool industry professionals.

Objective met

COMMUNITY HEALTH & SAFETY

The *Community Health and Safety* programs are resources to be used by Rock County residents to reduce or eliminate hazardous conditions in their home and community. Many of the improvements in health that were achieved in the 20th century resulted from improvements in housing and areas surrounding our homes. Problems from our past have not entirely disappeared. Traditional insect and rodent pests are ever-present waiting for the right opportunity to set up residence in and around our homes. Timely and adequate disposal of refuse will always be a challenge in this society. Radon and mold are examples of hazards that enter homes from the outside, are identifiable and are preventable. Health Department staff have the expertise to assist citizens in reducing or eliminating these risks to their health.

The goal of the Community Health and Safety Program is to reduce or eliminate public health risks to citizens in their homes and in the community through the education of disease and injury prevention practices and administration of state and local regulations.

Radon Monitoring and Risk Reduction

Objective 1: By December 31, 2010, provide at least 75 radon test kits to county residents.

During 2010, one hundred and fifty three radon test kits were provided to county residents. Eighty-two (54%) of the kits returned with an elevated radon level.

Objective met

Objective 2: By December 31, 2010, provide radon information to each citizen that contacts our office, promote radon awareness on the county web site and submit news releases to local news media.

During 2010, four presentations were given and booths were set up at 2 health fairs to promote radon awareness. In January, a press release promoting National Radon Action Month was sent to local media. In November a radon information page was created on the department's web site.

Objective met

Objective 3: By December 31, 2010, provide follow-up information to all citizens that receive results on radon test kits.

During 2010, all citizens who purchased radon test kits were provided with the US EPA Citizen's Guide to Radon and a list of local certified radon mitigation system installers. Consultation with staff trained in radon measurement and mitigation was offered to all citizens with elevated radon results.

Objective met

Mobile Home Park Inspections

Objective 1: By December 31, 2010, conduct an annual inspection of each licensed mobile home park.

All 23 licensed mobile home parks received an inspection in 2010.

Objective met

Objective 2: By December 31, 2010, respond to all citizen complaints within two days regarding violations of state and local codes.

During 2010, fourteen citizen complaints involving mobile home parks were responded to within two days.

Objective met

Objective 3: By December 31, 2010, conduct follow-up inspections within thirty days of mobile home parks that have violations.

During 2010, thirty-six follow-up inspections were conducted for mobile home parks that had critical violations. This number includes follow-ups to citizen complaints that resulted in violations.

Objective met

Objective 4: By December 31, 2010, conduct pre-inspections when new mobile home parks open or current parks change ownership to ensure compliance with the state and local codes.

During 2010, one mobile home park changed ownership and required a pre-inspection.

Objective met

Rabies and Animal bite Monitoring

Objective 1: By December 31, 2010, verify that 100% of animal owners have complied with animal bite orders issued by local law enforcement agencies.

During 2010, compliance status was verified for all 382 animal bite orders. Animal owners found to be not in compliance with animal bite orders were referred to law enforcement.

Objective met

Objective 2: By December 31, 2010, refer all citizens not compliant with animal bite orders to law enforcement for further action.

During 2010, twenty-two non-compliant bite orders were referred to law enforcement for further action. The compliance rate in 2010 was 94%.

Objective met

Objective 3: By December 31, 2010, all specimens of domestic cats, dogs and ferrets that do not complete quarantine, and wild animals with suspected risk of rabies transmission, will be submitted to the State Laboratory of Hygiene for rabies analysis.

During 2010, eighty-nine specimens were submitted to the State Laboratory of Hygiene for rabies analysis. No specimens tested positive for rabies.

Objective met

Objective 4: By December 31, 2010, promote awareness of rabies prevention by posting information on the Rock County website, issuing news releases, and responding to citizens questions about rabies.

During 2010, the rabies information page on the department's website was updated and a press release was issued to promote rabies awareness. A presentation was given to third grade students at Clinton Elementary School.

Objective met

Rabies Control Summary of Animal Bite Orders for 2010

| CITY | VACCINATED | UN-VACCINATED | UN-KNOWN | TOTAL ANIMAL BITES ORDERS | PERCENTAGE VACCINATED |
|-------------------------------|-------------------|----------------------|-----------------|----------------------------------|------------------------------|
| Beloit Township | 6 | 8 | 4 | 18 | 33 |
| Brodhead | 3 | 1 | 0 | 4 | 75 |
| City of Beloit | 42 | 29 | 21 | 93 | 45 |
| Clinton | 2 | 1 | 0 | 3 | 67 |
| Edgerton | 10 | 6 | 4 | 20 | 50 |
| Evansville | 12 | 6 | 2 | 20 | 60 |
| Footville/Orfordville/Hanover | 2 | 0 | 1 | 3 | 67 |
| Janesville | 102 | 62 | 26 | 190 | 54 |
| Milton | 16 | 8 | 0 | 24 | 50 |
| Non Rock County | 3 | 0 | 0 | 3 | 100 |
| Whitewater | 2 | 1 | 1 | 4 | 50 |
| TOTALS | 200 | 122 | 59 | 382 | 52 |

Summary of Animal Bite Monitoring 2006- 2010

| | 2006* | 2007 | 2008 | 2009 | 2010 |
|----------------------------------|--------------|-------------|-------------|-------------|-------------|
| ANIMAL BITE ORDERS ISSUED | 393 | 420 | 371 | 400 | 382 |
| Cat Bites | (107) 27% | (103) 25% | (97) 26% | (118) 30% | (108) 28% |
| Dog Bites | (285) 73% | (315) 75% | (274) 74% | (282) 70% | (274) 72% |
| Ferret Bites | 0 | 2 | 0 | 0 | 0 |
| % Vaccinated | 55% | 50% | 57% | 50% | 52% |
| Cats Vaccinated | (30) 28% | (29) 28% | (22) 23% | (36) 31% | (33) 31% |
| Dogs Vaccinated | (187) 66% | (181) 57% | (188) 69% | (163) 58% | (167) 61% |
| Ferrets Vaccinated | (0) 0% | (0) 0% | (0) 0% | (0) 0% | (0) 0% |

Beginning in January 2006, City of Beloit Animal Bite Orders were monitored for compliance.

Animals Tested for Rabies in Rock County for 2010

| Breed | Animals Tested Negative for Rabies | Animals Tested Positive for Rabies | UNEQUIVOCAL INSUFFICIENT MATERIAL to Test | TOTAL |
|-----------------|---|---|--|--------------|
| Feline | 21 | 0 | 3 | 24 |
| Canine | 32 | 0 | 2 | 34 |
| Bat | 27 | 0 | 0 | 27 |
| Raccoon | 1 | 0 | 0 | 1 |
| Squirrel | 1 | 0 | 0 | 1 |
| Possum | 2 | 0 | 0 | 2 |
| TOTAL | 84 | 0 | 5 | 89 |

Human Health Hazards

Objective 1: By December 31, 2010, investigate 100% of human health hazards reported to the Rock County Health Department within 3 days.

Direct field investigations of 75 citizen complaints occurred in 2010. During 2010, 100% of the requests regarding human health hazards (not including lead hazards) were investigated and abated, referred to other appropriate agencies or determined not to be hazards.

In addition to field investigations, information is provided to citizens to remedy human health hazards that they are experiencing. During 2010, information was provided to 614 individuals for the purpose of: a) addressing public health concerns; b) resolving human health hazards; c) gaining compliance with the requirements of the Rock County Public Health Ordinance. All human health hazards were responded to within 3 days by phone, mail, e-mail or in person.

Objective met

Tattoo and Body Piercing Establishments

Objective 1: By December 31, 2010, conduct an annual inspection of each licensed tattoo and body-piercing establishment.

During 2010, an annual inspection was completed for all 12 licensed tattoo facilities.

Objective met

Objective 2: By December 31, 2010, respond to all citizen complaints within two days regarding violations of state and local codes.

During 2010, three tattoo and body piercing complaints were responded to within two days.

Objective met

Objective 3: By December 31, 2010, conduct follow-up inspections within two weeks at establishments that have critical violations.

During 2010, three follow-up inspections were completed for establishments that had critical violations.

Objective met

Objective 4: By December 31, 2010, conduct pre-inspections when new establishments' open or current ones change ownership to ensure compliance with the state and local codes.

During 2010, three pre-inspections were completed for new establishments or ownership changes. Two temporary event tattoo inspections were also completed.

General Sanitation Activity Data 2006-2010

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|-------|-------|-------|-------|-------|
| Human Health Hazard Requests and Responses | | | | | |
| Unburied carcasses | 7 | 6 | 0 | 2 | 21 |
| Air Pollution/Indoor Air Quality. | 145 | 127 | 24 | 50 | 80 |
| Solid Waste/Garbage/Manure | 74 | 118 | 71 | 73 | 69 |
| Vermin Harborage (rats, insects, etc.) | 41 | 114 | 70 | 135 | 179 |
| Toxic/Hazardous Materials . | 17 | 49 | 40 | 32 | 12 |
| Surface Water Pollution . | 3 | 0 | 0 | 0 | 2 |
| Holes and Openings | 1 | 0 | 0 | 1 | 0 |
| Housing Deficiencies Including Mold. | 176 | 254 | 280 | 328 | 307 |
| Lead - Total Field Visits. | 275 | 266 | 277 | 250 | 203 |
| Lead Onsite Assessments. | 65 | 76 | 98 | 68 | 85 |
| Radon Project Contacts | 219 | 137 | 149 | 386 | 275 |
| Animal Bites Monitored for Rabies Control. . . . | 410 | 440 | 449 | 449 | 418 |
| Citations Issued | 0 | 5 | 1 | 1 | 0 |
| General Sanitation Program Totals | | | | | |
| Program Field Service Calls | 1,134 | 607 | 532 | 643 | 939 |
| Complaint Investigations | 6 | 107 | 95 | 59 | 110 |
| Clients Seen In Office | 94 | 112 | 37 | 120 | 69 |
| Telephone Calls | 3,386 | 2,528 | 2,126 | 2,601 | 2,873 |

Lead Abatement and Monitoring

Objective 1: By December 31, 2010, provide a lead safe environment for 100% of children with a blood lead level ≥ 20 ug/dL through education and lead abatement orders.

During 2010, three children were identified with blood lead levels ≥ 20 ug/dL in Rock County. Three properties where the children resided or spent significant time were investigated, ordered to undergo lead hazard reduction work and were made lead safe. One of these properties was made lead safe by undergoing lead abatement activities. Two of these properties are still undergoing long-term hazard reduction activities, but were made lead safe through initial interim controls.

Objective met

Objective 2: By December 31, 2010, perform an environmental lead assessment and provide lead hazard reduction recommendations on 80% of residences occupied by children with a blood lead level of 10-19 ug/dL.

During 2010, sixteen children were identified with blood lead levels of 10-19 ug/dL. These children either resided at or spent significant time at 17 properties. Fifteen or 88% of these properties were assessed for lead hazards and recommendations were sent to the families and property owners. One family was unresponsive to contact attempts and 1 family moved and was unable to be located.

Objective met

Objective 3: By December 31, 2010, perform an environmental lead assessment and provide lead hazard reduction recommendations for all homes of concerned parents of children with a blood lead level of 0-9 μ g/dL.

During 2010, sixty-five concerned parents with children at high-risk for lead poisoning requested a lead assessment of their homes. All 65 or 100% were assessed for lead hazards and recommendations were sent to the property owners.

Objective met

Objective 4: By December 31, 2010, at least 70% of owners of units that house a child with a blood lead level of 10-19 ug/dL will show significant compliance with lead hazard reduction recommendations.

During 2010, thirteen of 15 (87%) of the owners of units associated with a child with a blood lead level of 10-19 ug/dL resided showed significant compliance with the lead hazard reduction recommendations they were sent after the property was assessed. Two rental property owners did not complete any of the hazard reduction recommendations.

Objective met

Objective 5: By December 31, 2010, at least 60% of owners with units that house a child with a blood lead level of 0-9 ug/dL will show significant compliance with lead hazard reduction recommendations.

During 2010, fifty-five of 65 (85%) of the owners of units associated with a child with a blood lead level of 0-9 ug/dL resided showed significant compliance with the lead hazard reduction recommendations they were sent. Five of the property owners did not comply with the recommendations and 5 of the properties were unable to be reassessed due to the inability to contact the tenants or owners.

Objective met

Objective 6: By December 31, 2010, promote childhood lead poisoning prevention by posting information on the Rock County web site, issuing news releases, responding to citizens inquiring about lead poisoning hazards, and presenting 2 educational programs.

During 2010 lead poisoning prevention information was added to the Rock County Health Department web site, a news release was sent out during the National Lead Poisoning Prevention Week, all citizen inquiries were addressed and two feature articles promoting lead poisoning prevention and the Rock County Lead Hazard Control Grant were generated for two local newspapers.

Objective not met

2005-2010 Environmental Lead Assessment Summary

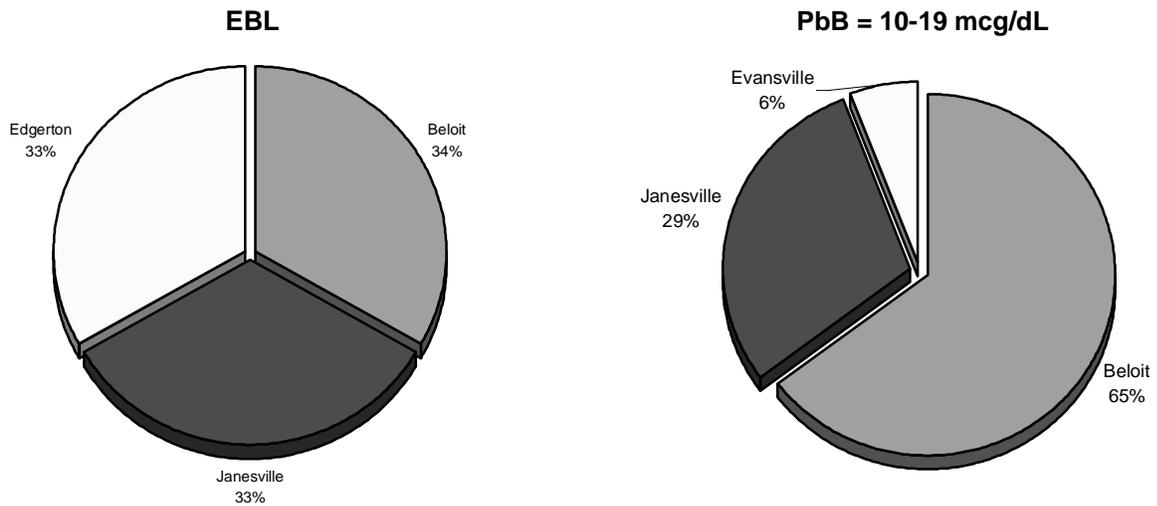
| PbB | 2006 | 2007 | 2008 | 2009 | 2010 |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| ≥20 (EBL)* | 8 | 9 | 15 | 5 | 3 |
| 10-19** | 24 | 21 | 19 | 15 | 17 |
| <10 | 32 | 47 | 64 | 48 | 65 |
| Total | 64 | 77 | 98 | 68 | 85 |

PbB = blood lead level

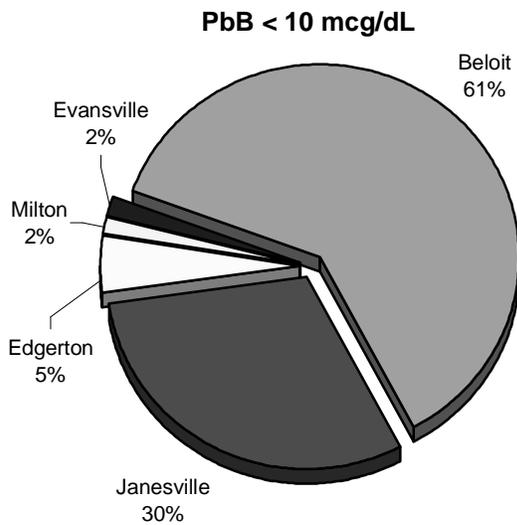
* Elevated Blood Lead Level – environmental assessment mandated

**Lead Poisoning – defined as PbB ≥ 10

2010 Environmental Lead Assessments by Area



nts by Area



GROUND WATER PROGRAM

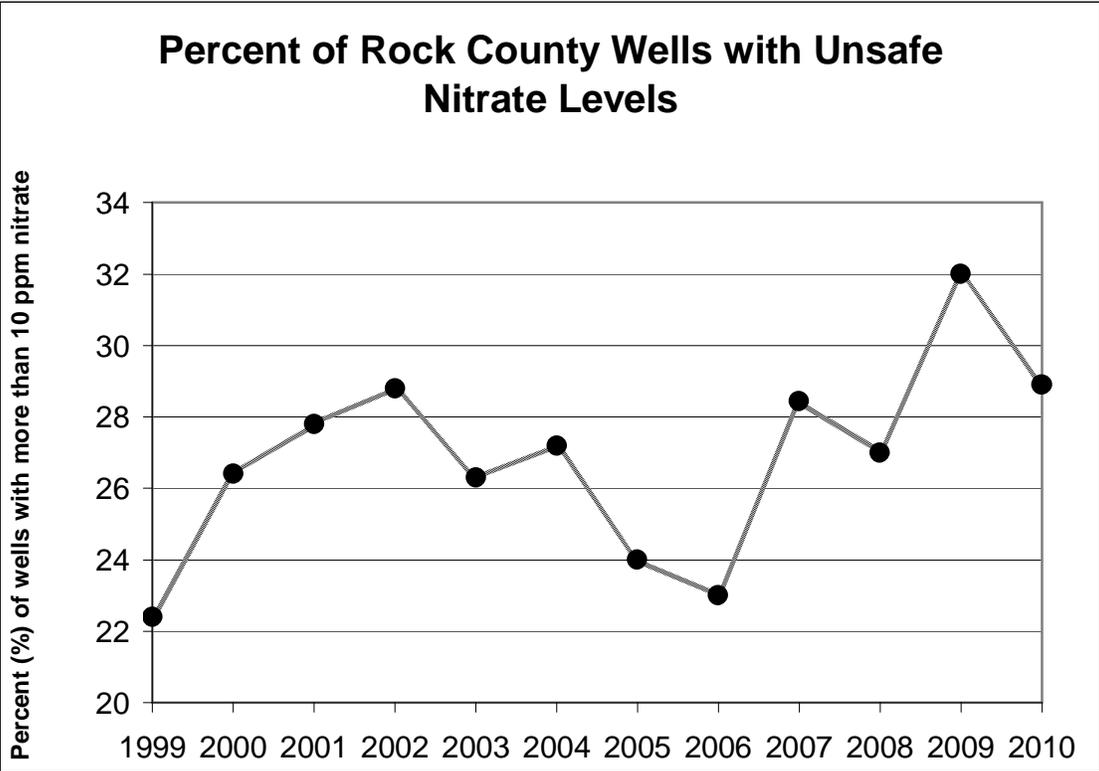
Every person and business in Rock County depends on a daily source of clean drinking water. In this part of Wisconsin, groundwater is our sole water supply source. In addition to the municipal water supply systems in our community, there are approximately 13,000 private water wells providing water to homes and businesses throughout the county. The groundwater protection program assists citizens and property owners with their drinking water concerns regarding bacteria and chemicals. The goal of the groundwater protection program is protect the quality of ground water in Rock County for drinking water use.

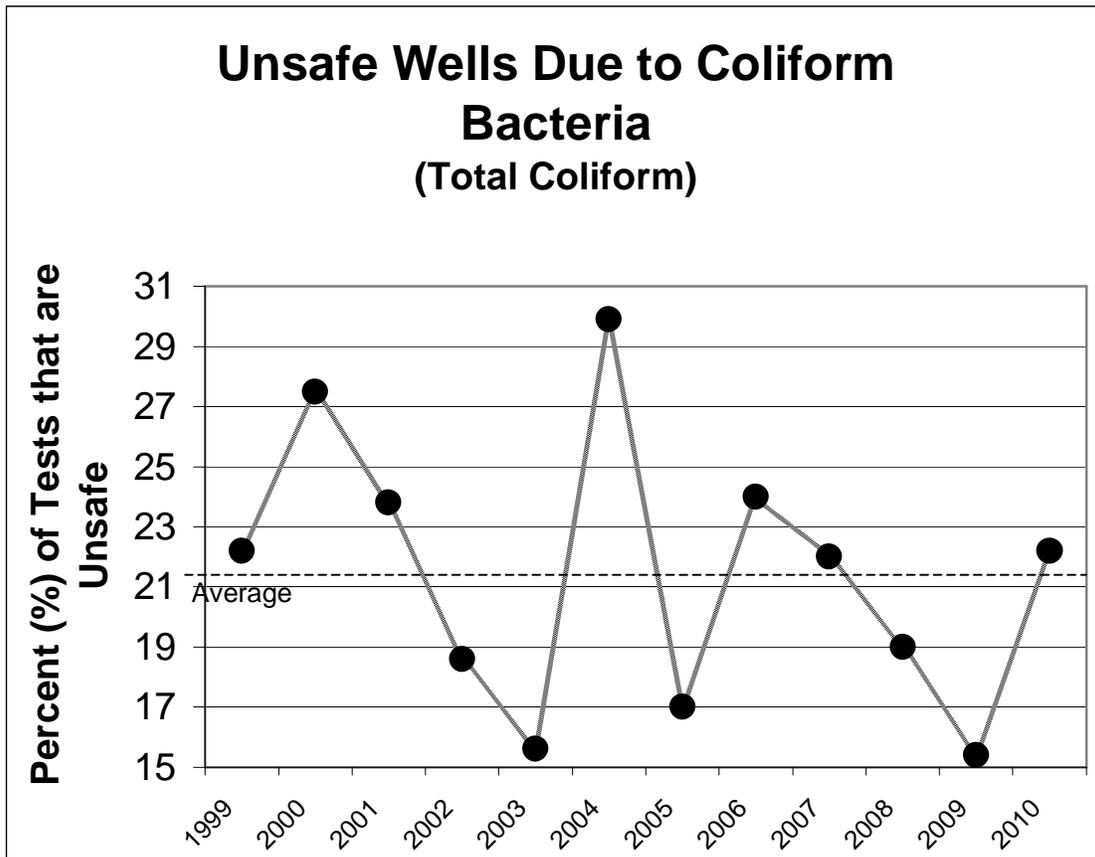
Objective 1: By December 31, 2010, review 200 private well sample results for nitrate, other chemical contamination or bacteria levels.

The Rock County Health Department laboratory completed 1,186 well water tests: 461 nitrate and 725 coliform bacteria. Twenty nine percent of wells tested for nitrates in 2010 exceeded the ten parts per million health advisory level.

Twenty two percent of samples brought to the Rock County Health Department laboratory tested positive for coliform bacteria in 2010. There were 21 positive E. Coli samples from tests conducted at the Rock County Health Department lab in 2010, which was the highest level that has been documented. The percentage of wells testing unsafe for coliform bacteria increased in 2010, but was similar to the 10-year average.

Objective met





Objective 2: By December 31, 2010, manage the Wisconsin Department of Natural Resources Safe Drinking Water contract by sampling and following up on all Transient Non-community wells.

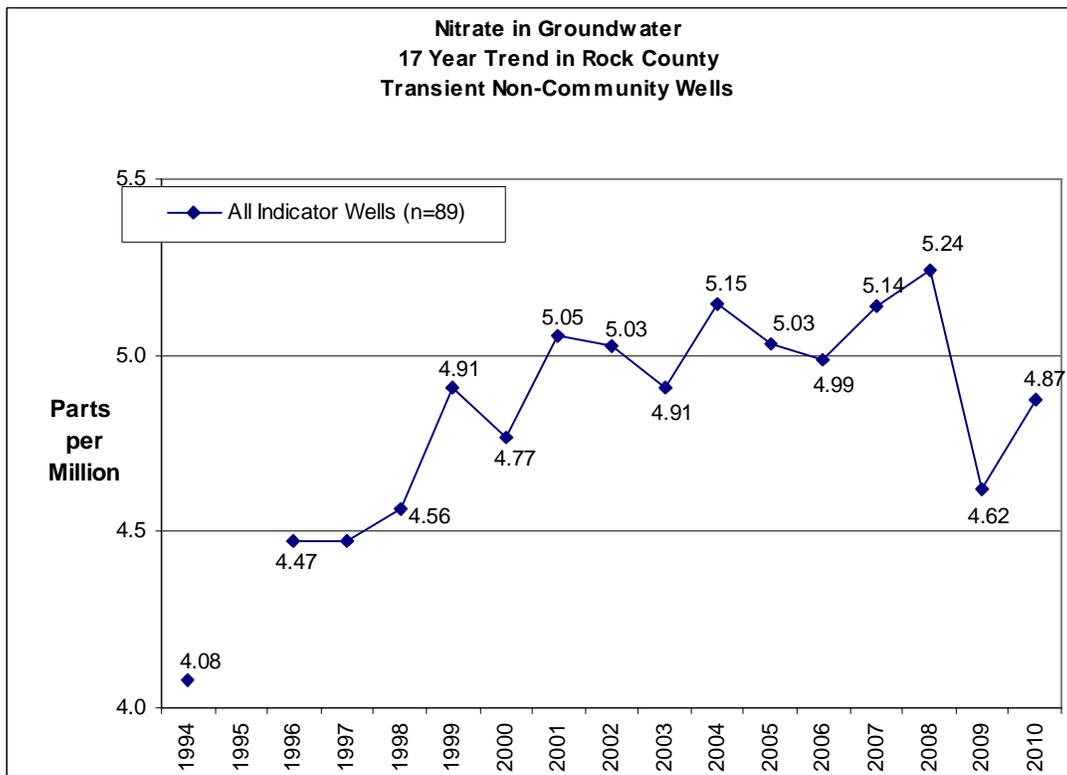
This contract involved sampling 148 transient non-community wells in Rock County for bacteria, nitrate and nitrites. Transient non-community wells provide drinking water availability for the public at various types of facilities (campgrounds, parks, restaurants, taverns, etc.). Bacteria "Unsafe" water samples occurred at 13 wells. Ten of the thirteen facilities experiencing bacteria unsafe samples were either seasonal facilities or intermittent use facilities. Fecal Coliform was not found to be "present" in any of these wells. Because multiple sampling is required after unsafe bacteria tests, the unsafe wells resulted in four hundred and thirty four (434) additional bacteria samples taken by program staff. Time and effort required of staff has been reduced as problem wells are identified and upgraded.

The Health Department is responsible for seeing that the 148 transient non-community water supplies in Rock County were sampled in compliance with the requirements of the Safe Drinking Water Act. Five hundred and forty-four bacteria, 154 nitrate and 1-nitrite results were obtained from these wells. Thirty-one well system surveys were also conducted.

Nitrates were above the drinking water standard of 10 parts per million at 16 % of facilities. All facilities with nitrates above the standard must post the water supply as a warning to all drinking water users. When a water supply exceeds 20 parts per million the facility must provide an alternative water supply by drilling a new well.

The average concentration of nitrates from 89 transient non-community "indicator wells" that have been sampled continuously for the past 17 provides an indication of nitrate trends in the groundwater of Rock County. This trend had indicated an increase in nitrates over the past 15 years; however the rate of increase has become more stable. After a significant decrease in nitrate levels in 2009, which are likely, attributed to high groundwater recharge levels, the nitrates have increased slightly in 2010.

Objective met



Objective 3: By December 31, 2010, investigate 100% of citizen complaints and requests concerning ground water quality within two days.

During 2010 the groundwater program had 494 field visits, 639 telephone consultations, and 133 office visits regarding private well and/or ground water concerns. All citizens were given consultation from our office, by on-site visits, phone, e-mail, or mail and, when needed, referrals are made for services to other agencies

One of these citizen concerns resulted in the discovery of a major groundwater E. Coli bacteria contamination issue in a local subdivision. The Health Department collaborated with the Department of Natural Resources (WDNR), Wisconsin Department of Health Services (WDHS) and the State Lab of Hygiene to investigate the contamination, locate the source and restore water quality to the impacted homes. The Health Department continues to work with the local residents in doing follow-up sampling and investigating additional contaminant sources.

Objective met

Objective 4: By December 31, 2010 promote groundwater protection through posting information on the Rock County web site, issuing news releases, responding to citizen inquires, and presenting five (5) Ground Water Educational Programs to Rock County citizens.

Groundwater educational programs in 2010 included a public meeting on the Newville Area Water Testing program, a presentation of Rock County groundwater data to the Wisconsin State Laboratory Network, UW-Rock County Earth Day participation, presentation of our GIS Groundwater Data Program to the LEPC Committee, a groundwater meeting with the Clear Lake Association, a presentation at the WPHA-WALDAB State Conference meeting, and a neighborhood community meeting for the Natures Ridge groundwater contamination issue near Beloit.

In addition, the following efforts were conducted during 2010 to promote awareness and public education of groundwater issues in Rock County:

- Seven Prescription Drug Collection Events were conducted during 2010 and the Health department assisted the Milton Police Department in establishing the county's first permanent drug collection drop-box.
- The Health Department was awarded a special grant to conduct a follow-up well sampling program for those wells potentially impacted during the floods of 2008.
- The 2010 Rock County Environmental Health Report Card was completed which tracks key environmental health indicators in our community. The report is posted on our web site and made available to the community.
- Updates were completed to the Rock County Health Department web site to include additional groundwater educational information.
- A Geographic Information System (GIS) database was completed which now has over 15 years of groundwater historical data that can be used to track trends in groundwater quality.

Objective met

Objective 5: By December 31, 2010, in coordination with Rock County Land Conservation Department, administer the county well abandonment program

The State Department of Natural Resources delegates authority for counties to conduct a well abandonment program. One criterion for delegation of that authority is approval of a local ordinance for well abandonment. The Board of Health and the Rock County Board of Supervisors approved changes to the Rock County Public Health Ordinance. The Health Department and Land Conservation implement the well abandonment program. Residents of one town have been sent well abandonment information and several wells are in the process of being abandoned.

Objective met

Objective 6: By December 31, 2010, coordinate the Prescription Drug Community Collection Program with the Cities of Beloit and Janesville.

The Rx Round-Up Planning committee organized seven pharmaceutical collection events in 2010. This committee consists of representatives from the Rock County Health Department, Rock County Coroner's Office, local law enforcement, City of Edgerton, City of Beloit and City of Janesville. A total of 2,432 pounds of unwanted pharmaceuticals were collected at 7 events

Objective met

GROUND WATER PROTECTION PROGRAM

2006 - 2010 ACTIVITY DATA

| | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|
| Requests on groundwater concerns | 1,417 | 1,414 | 1,714 | 1,281 | 1,266 |
| Telephone Consultations | 638 | 786 | 725 | 759 | 639 |
| Water sample results reviewed | 1,566 | 1,919 | 2,451 | 1,921 | 2,230 |
| Bacteria | 821 | 993 | 1,547 | 1,118 | 1,495 |
| Nitrate | 668 | 827 | 713 | 727 | 564 |
| Chemical and other | 77 | 99 | 191 | 76 | 171 |
| Public education presentations | 10 | 7 | 12 | 10 | 8 |
| Program field service calls | 516 | 443 | 408 | 360 | 494 |
| Clients seen in office | 143 | 189 | 81 | 126 | 133 |
| Local Emergency Management Plans | 21 | 26 | 27 | 26 | 29 |

LABORATORY SERVICES

The laboratory provides a local service for Rock County citizens to test the drinking water quality of their private water wells. Public health recommendations are for private well owners to test their water once a year. The goal of the laboratory services is to provide basic drinking water analysis for citizens in Rock County

Objective 1: By December 31, 2010, provide laboratory testing for 750 wells in Rock County.

Rock County residents and visitors obtain drinking water from approximately 13,000 private wells servicing homes, eating establishments, campgrounds, churches and other facilities. The laboratory maintains State certification for coliform bacteria and nitrate analysis. Coliform bacteria and nitrate analysis is provided to citizens and businesses in a cost effective and convenient manner.

For 2010, a total of 1,186 drinking water tests were completed by the Rock County Health Department Lab; 461 nitrate tests and 725 coliform bacteria analysis. Approximately 29% of the nitrate test results were above the drinking water standard of 10 parts per million. Approximately 22 % of the coliform tests were positive and almost 3% of bacteria tests were positive for E. Coli bacteria.

The volume of samples analyzed in the lab during 2010 far exceeded the number of samples analyzed in previous years. This increased was attributed mainly to the lab doing analysis for a State Flood grant, but also reflects our efforts to increase public awareness of our lab and the need for water quality testing of private wells.

Objective met

EMERGENCY PLANNING

The Health Department has the administrative responsibility to complete the offsite plans for farms and fixed facilities under SARA Title III legislation. The Health Department works with Rock County Emergency Management to complete the plans for the county.

Objective 1: By December 31, 2010, complete emergency response plans for farms using extremely hazardous chemicals as determined by EPCRA.

Nine farm plans were completed for the Local Emergency Planning Committee. Each new and updated plan contains local groundwater information to identify specific groundwater risks for each farm.

Objective met

Objective 2: By December 31, 2010, complete new and updated plans for fixed facilities, which use extremely hazardous chemicals as determined by EPCRA.

Twenty offsite facility plans were completed for the Local Emergency Planning Committee. Each new and updated plan contains local groundwater information to identify specific groundwater risks for each facility.

Objective met

PRIVATE SEWAGE DISPOSAL PROGRAM

Proper treatment of wastewater has been instrumental in the reduction of communicable disease over the last century. For those living in a city or village, sewage is collected in a distribution of underground piping and treated in a central location to remove pathogens and chemicals before being discharged to a river or stream. Homes and businesses outside the municipal boundaries depend on their own means for treating wastewater called private onsite wastewater treatment systems, or POWTS. The Private Sewage Program regulates and controls the installation of these POWTS and the soil testing necessary for designing and installing a POWTS for the purpose of protecting the public health and environment. The goal of the Private Sewage Disposal Program is to protect the public health and the environment of Rock County by ensuring that all POWTS are properly installed, repaired and maintained.

Objective 1: By December 31, 2010, complete the review of all submitted soil and site evaluation reports.

During 2010, fifteen different Certified Soil Testers (CST'S) were monitored and assisted in completing soil test reports and in field evaluation of soils.

In 2010, a total of 117 soil test reports were reviewed, approved and filed. Many of these required correction before filing.

In 2010, sixty-nine soil onsite visits were made to provide proper documentation of soil and to assure soil testing reports are completed in an accurate manner.

Objective met

Objective 2: By December 31, 2010, ensure that properly designed and installed POWTS are provided for all properties not served by public sewer.

During 2010, twenty-six different plumbers were monitored and assisted in completing accurate plans and installing code conforming POWTS.

In 2010, one hundred twenty-six state sanitary permits were issued to install or repair POWTS, 31 sanitary permits for new construction and 95 sanitary permits for replacement or repair work. In addition, 3 county sanitary permits were issued to connect new or additional buildings to an existing POWTS or to install non-plumbing systems.

In 2010, one hundred thirty POWTS were installed; thirty-one were new POWTS and ninety-nine were replacement POWTS or POWTS connections.

In 2010, one hundred eighty-eight construction inspections of POWTS were conducted; one hundred thirty initial inspections and fifty-eight re-inspections were completed.

In 2010, numerous/orders/reminders were issued to correct non-compliant aspects of POWTS being constructed or to correct or complete permit applications. Thirty-one of these directives required follow up orders/reminders to

obtain compliance. Of these 31, twenty-nine have been complied with and the rest are in process. Most installation corrections were made at the time of inspection and no written directive was necessary.

Objective met

Objective 3: By December 31, 2010, administer the Wisconsin Fund Program and process all applications to assist citizens in obtaining State grants for repair and/or replacement of a POWTS.

In January 2010, the Wisconsin Fund grant applications for three (3) property owners were submitted to the State. Total awards received were \$12,865. Individual awards ranged from \$2,906 -\$5,741. No applicants were denied grants due to inadequate funding to cover all categories of POWTS failure.

During 2010, numerous property owners were sent information on the Wisconsin Fund Program and many of these are waiting application or action on submitted applications. Program staff assisted property owners with the completion of the grant application requirements. Two applications received in 2010 and submitted to the State for a total of \$8,350 were submitted in January of 2011 and are awaiting action.

Objective met

Objective 4: By December 31, 2010, administer the POWTS maintenance program for private onsite wastewater treatment systems.

Each year, as new or replaced POWTS are installed, property owners are informed of the septic maintenance program requirements. In 2010, approximately 126 notices of required maintenance were given or mailed to property owners at the time of sanitary permit issuance and 130 letters informing property owners of the mandatory maintenance program were mailed after POWTS installation.

Other maintenance activities completed in 2010 include:

- 4,427 first notices requiring homeowners to maintain their POWTS were sent;
- 1,028 computer generated final notice/orders were issued;
- 332 follow-up written orders were issued, notarized, and sent;
- 230 non-compliance letters were sent to property owners who still hadn't complied after the orders were issued; 114 no-pay letters were sent to property owners sending in maintenance documentation without the required system maintenance administration fee.

Non-compliance with these orders and notices resulted in the issuance of thirty-nine citations.

During 2010, sixty-nine owners of holding tanks and 11 pumpers of holding tanks were monitored in regard to proper reporting of pumping.

Objective met

Objective 5: By December 31, 2010, review all building permits for properties submitted to our department by evaluating the compatibility of proposed construction with the existing POWTS.

During 2010, Sanitary permits for 31 new structures were issued as the first step in the building permit review process. With few exceptions, building permits for new structures were not issued by local building inspectors before the Sanitary Permit was approved.

During 2010, numerous calls regarding proposed building plans and how they related to existing POWTS were received; all inquiries were informed of code requirements. Four formal written evaluations and

recommendations were made to a local municipality. Many additions and remodeling projects either don't require a building permit or building permits were issued by the local municipalities without Health Department review; limiting our input on these projects.

Objective met

Objective 6: By December 31, 2010, evaluate all soil and site evaluation reports for land divisions not served by public sewer and make recommendations to Rock County Planning and Zoning Committee.

During 2010, as a reviewing agency for the Planning and Development Committee, 67 land divisions consisting of 80 lots which includes 2 lots in areas served by a public sewage system and 33 lots where a waiver of land division review was requested. One out lot was reviewed.

During 2010, twelve soil onsite visits were conducted and 11 soil test reports were filed involving new land divisions.

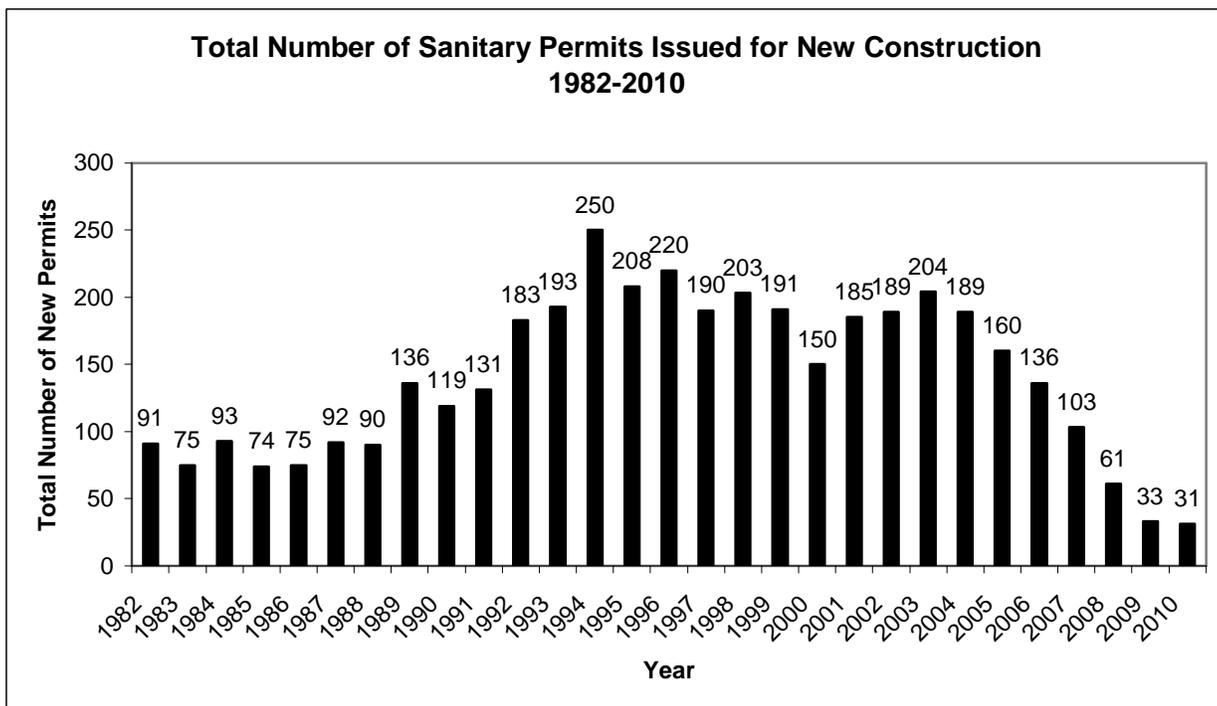
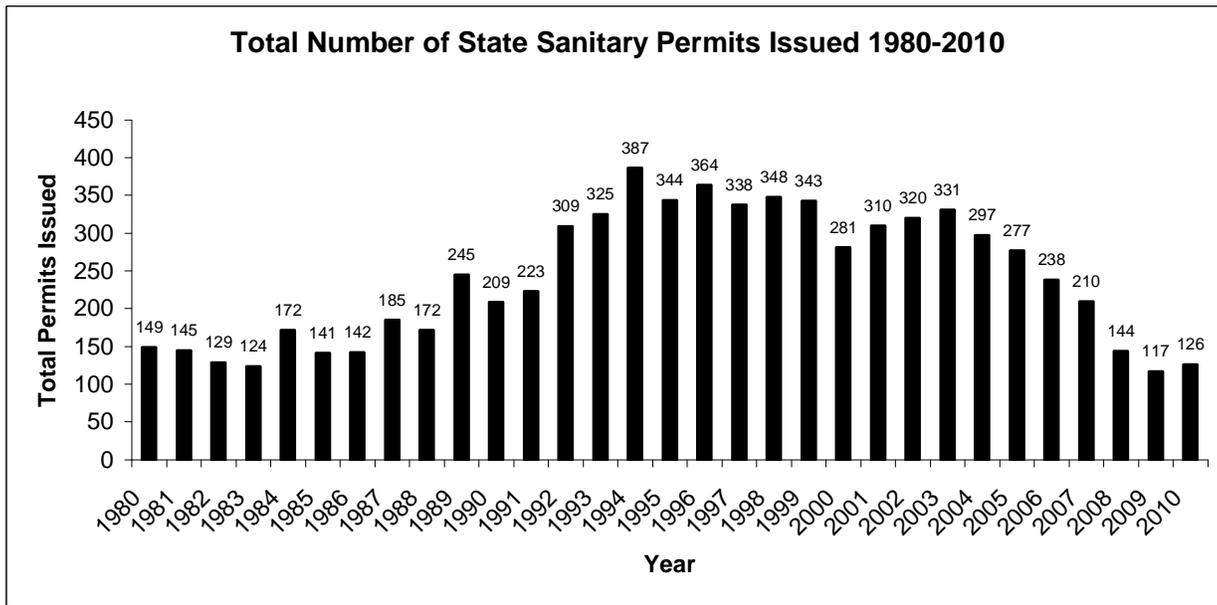
Objective met

**2006-2010 ACTIVITY DATA
PRIVATE SEWAGE DISPOSAL PROGRAM**

| OFFICE WORK | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|-------------|-------------|-------------|-------------|-------------|
| Office Visits | 163 | 160 | 168 | 151 | 160 |
| Telephone Calls | 1666 | 1610 | 1450 | 1298 | 1369 |
| State Sanitary Permits Issued | 238 | 210 | 144 | 117 | 126 |
| New | 136 | 103 | 61 | 33 | 31 |
| Replace, Repair | 102 | 107 | 83 | 84 | 95 |
| County Sanitary Permits | 7 | 7 | 6 | 2 | 3 |
| Soil Tests Filed | 252 | 258 | 153 | 134 | 117 |
| Land Divisions Reviewed | 117 | 80 | 64 | 66 | 67 |
| Lot Reviews Under Land Division Ordinance | 251 | 185 | 113 | 135 | 80 |
| Order/Reminder Notices | 1567 | 1542 | 1590 | 1576 | 1497 |

| <i>FIELD WORK</i> | 2006 | 2007 | 2008 | 2009 | 2010 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Initial System Inspection | 255 | 228 | 151 | 118 | 130 |
| Conventional Gravity | 160 | 128 | 90 | 63 | 82 |
| Mound | 78 | 74 | 46 | 43 | 40 |
| In ground Pressure | 1 | 3 | 3 | 0 | 0 |
| At Grade | 4 | 5 | 3 | 2 | 1 |
| Holding Tanks | 4 | 1 | 1 | 1 | 3 |
| Repairs | 0 | 0 | 0 | 0 | 0 |
| Treatment Tank Only | 2 | 10 | 2 | 8 | 1 |

| | | | | | |
|---|-----|-----|-----|-----|-----|
| (including aerobic tanks) | | | | | |
| Other | 6 | 7 | 6 | 1 | 3 |
| System Re-inspections | 113 | 74 | 82 | 70 | 58 |
| Soil Test Onsite Verification | 176 | 171 | 76 | 61 | 69 |
| Consultations and Surveys | 221 | 287 | 324 | 276 | 270 |
| Failing System Investigation/Complaints | 28 | 106 | 104 | 57 | 64 |



HEALTH EDUCATION

The Health Education Division strives to meet 4 objectives aimed at community education or existing program enhancement.

Objective 1: By December 31, 2010, the Health Educator will conduct 5 group educational programs.

Due to the hiring of the Health Educator in late February 2010, the educational programs provided to the community were conducted by Public Health Nurses and Environmental Health Staff. The Health Educator prepared educational materials and participated in the Latino Health Fair, Blackhawk Technical College Health Fair, Rock County Employee Health Fair, Clinton School District Wellness Fair, Central Christian Health Fair, UW Rock County Earth Day Fair, State of the City Event, and the Rock County Family Night.

Objective met

Objective 2: By December 31, 2010, the Health Educator will assist the staff to develop educational materials as requested.

The Health Educator assisted staff in developing educational materials for a variety of programs, including redesigning the Health Families First and Travel Immunization brochures, as well as the Food Program quarterly newsletter.

Objective met

Objective 3: By December 31, 2010, the Health Educator will submit 6 health columns on relevant topics to the local media.

The Health Educator submitted three health columns, printed in five local newspapers, and 39 press releases. The Health Educator was interviewed for articles on subjects such as sun safety, winter weather safety, nutrition, fruit and vegetable consumption, and Health Department programs.

Objective met

Objective 4: By December 31, 2010, the Health Educator will obtain 3 grants that support local efforts of local programming.

Grants that were obtained in 2010 include a \$1000 grant from Alliant Energy Foundation for the Books for Babies Program. A \$10,000 grant was obtained from the Wisconsin Department of Health Services to complete a Health Impact Assessment. A \$2,000 grant was obtained from Dean/St. Mary's for safe sleep resources.

Objective met

PUBLIC HEALTH NURSING DIVISION

Public health nursing at the Rock County Health Department shares the vision of Healthiest Wisconsin 2020: “Everyone Living Better, Longer”. Though vision statements deal in broad strokes to articulate an overarching message, public health nurses put “feet and hands” to the effort to accomplish health goals for individuals across their lifespan and communities in every corner of our county.

In 2010, the Public Health Nursing Division continued working to meet the public health needs of citizens across many service areas. In summary, the nursing division:

- teamed with the Environmental Health Division to make 113 home visits to families in need of home safety screening and equipment;
- delivered over 50 Pack and Play cribs into the community with follow-up visits to ensure a safer sleeping environment;
- participated in the genesis of the Beloit LIHF Collaboration to reduce African American infant mortality in the city of Beloit and served on the African American Infant Mortality Coalition.
- collaborated to provide health education and advice to Beloit’s Even Start program;
- providing an immunization outreach nurse to each clinic site in the county to advance higher immunization rates in our population;
- taught two “Steppin’ On” classes to elders in the community to prevent injury from falls;
- provided immunization services to 6,180 clients, administering over 11,000 immunizations;
- began performing rapid HIV testing to at-risk individuals
- provided 450 hours of school nursing services to 4 Head Start Centers;
- provided 1,030 hours of school nursing services to 3 public school districts and 1 private school;
- assisted area libraries to become “breast-feeding friendly” community places;
- followed up on 1,439 clients with reported communicable diseases;
- made 2,352 home and office visits to families in the Healthy Families First program
- collaborated with Early Head Start to provide nursing services to families served by the Doula program and family advocates in Rock County

Public health nursing continues to evolve as a very special discipline. No other area of nursing requires such a broad base of knowledge, with the skill to serve the community in clinic settings, homes, coalitions and schools. 2009 tested the capacity of every community to respond to a pandemic threatening the health of our most vulnerable populations. 2010 brought us back to the everyday reality that the poor health practices of our populations are no less dangerous than a sudden pandemic.

Public health nurses are dedicated to providing the tools to facilitate a healthier community across the lifespan, to enlighten those that are unaware, to lessen the burden of those that are suffering, and ultimately to give to the community the hope of a healthier and brighter day ahead.

“Everyone Living Better, Longer”.

COMMUNICABLE DISEASE CONTROL

Communicable disease control is a state-mandated public health service. Public health nursing services in communicable disease control are focused on 3 major functions:

- prevention of the occurrence of all diseases which can be prevented by immunizations; activities include:
 - providing immunization clinics for childhood and adult vaccines;
 - providing immunization services to travelers who are going to countries where vaccine preventable diseases may be occurring;
 - monitoring immunization rates;
 - offering consultation services to clients who are in need of immunization information;
 - educating the community and providers about improving immunization rates;
- controlling the spread of the 81 state mandated reportable acute and communicable diseases by prompt investigation and community education; activities include:
 - contacting clients diagnosed with communicable diseases to provide education about diseases and preventing the spread to other individuals ;
 - educating contacts to clients with reportable diseases about signs and symptoms, testing, treatment and prevention strategies;
 - consulting with day cares and preschools about communicable disease prevention strategies;
 - updating/consulting community partners about changes in communicable disease reporting and treatment guidelines.
- maintenance of ongoing surveillance of diseases in the community to control or eliminate the source of disease; activities include:
 - reviewing communicable disease data and information to determine what may be occurring in the county;
 - following up with reports of illnesses and potential outbreaks;
 - maintaining ongoing communication with infection disease practitioners.

While there are many strategies implemented by the Health Department to eliminate the occurrence of, or to reduce the transmission of, communicable diseases, there are nine objectives the Department strives to meet to control communicable diseases. Those objectives are described on the following pages.

Vaccination continues to be the best prevention for many childhood diseases. And it continues to be a high priority service of the Rock County Health Department nursing division.

Immunizations can be obtained at some location in Rock County almost every day the county offices are open. Regular clinics are offered at each of the Health Department offices 3-4 days per week. Clinics are also operated on a rotating basis in each community in Rock County. While the traditional focus of the Health Department immunization services has been infants and children, new recommendations for adult vaccination have been made. Vaccines such as Zostavax, Gardasil, and TDaP are meant for adults and an increasing number of adult vaccinations are provided by the Health Department.. The table below lists the number of people served in the Health Department clinics and the number of each vaccine given.

Location of Clinics and Vaccinations by Type

| Immunization Clinics | Client Count | Vaccine Type | Vaccine Count |
|---------------------------------|--------------|---------------------------------|---------------|
| Clinton Clinic | 53 | Dtap | 135 |
| Edgerton Clinic | 56 | Hepatitis A – Adult | 254 |
| Evansville Clinic | 12 | Hepatitis A – Peds | 247 |
| Faith Lutheran Church Clinic | 141 | Hepatitis B – Adult | 184 |
| First Choice Women’s Health | 184 | Hepatitis B – Peds | 184 |
| Health Department North Office | 2896 | Hib | 126 |
| Health Department South Office | 1535 | HPV | 531 |
| Hedberg Public Library | 180 | Influenza - Injectable | 2929 |
| Milton Clinic | 25 | Influenza – Nasal Mist | 568 |
| Orfordville Clinic | 66 | Jananese Encephalitis | 7 |
| South Office Evening Walk – In | 82 | Kinrix (Dtap and Polio) | 163 |
| Thursday North Office Walk – In | 472 | Meningitis | 502 |
| Flu & Pneumonia Clinics | 1465 | MMR | 428 |
| Other | 478 | Pediarix (Dtap, Hep B, and | 22 |
| | | Pentacel (Dtap, Hib, and Polio) | 174 |
| | | Pneumonia | 73 |
| | | Polio | 155 |
| | | Prevnar | 357 |
| | | Rabies | 8 |
| | | Rotavirus | 90 |
| | | Td | 45 |
| | | Tdap | 1172 |
| | | Twinrix | 208 |
| | | Typhoid | 287 |
| | | Varicella | 873 |
| | | Yellow Fever | 103 |
| | | Zostavax | 138 |
| | | HINI | 1505 |
| Total | 7,645 | Total | 11,468 |

Objective 1: By December 31, 2010, Rock County will have an incidence of 0 for the following vaccine preventable diseases: Measles, Mumps, Rubella, Polio, Tetanus, Hepatitis B (person <24 years of age), Pertussis (person <7 years of age), Diphtheria (person <35 years of age) and Haemophilus Influenza (person <5 years of age).

In 2010, there were 2 cases of Pertussis in children less than 7 years of age. Although the PCR test for Pertussis came back negative on these children, epidemiological follow up concluded that, based on symptoms, the children did have Pertussis.

Pertussis continues to be diagnosed in other age groups as well. Adults continue to develop Pertussis due to waning immunity. Consequently, recommendations for adult vaccination now include a Pertussis booster.

Objective not met

Objective 2: By December 31, 2010, 80% of children who turn 19 months during the year will have received 4 DTaP, 3 Polio, 3 Hib, 3 Hepatitis B and 1 MMR vaccinations.

In 2010, only 55% of Rock County infants who turned 19 months were up to date with the recommended vaccinations.

Health Department staff continues their outreach efforts to try to improve the immunization status.

Objective not met

In addition to preventing childhood diseases by vaccination, the Health Department tries to prevent the spread of communicable diseases by following up on reported cases of specific diseases mandated by the state. Not all reported diseases are ultimately confirmed as cases. Some diseases are reported as probable or suspect, but require immediate follow up to prevent spread. Nonetheless, follow up must be conducted to limit spread. The table below shows a comparison of the type and number of reportable diseases the Health Department followed up on in 2009 and 2010.

Communicated Diseases Reported and Confirmed

| DISEASE | 2009 | 2010 | DISEASE | 2009 | 2010 |
|------------------------------|-------------|-------------|--|-------------|--------------------|
| HIV Infections | 8 | 5 | Measles | *1 (0) | 0 |
| Blastomycosis | 1 | 1 | Meningitis (Bacterial) | 6 | 0 |
| Campylobacter | 44 | 37 | Mumps | *2 (1) | *1 (0) |
| Cryptosporidium | 39 | 38 | Pertussis | *20 (18) | *9 (4) |
| Dengue Fever | 1 | 0 | Q Fever | 1 | 0 |
| E. Coli | 12 | 6 | Salmonella | 18 | 25 |
| Ehrlichiosis | 3 | 0 | Shigella | 0 | 3 |
| Food/Waterborne Outbreaks | 2 | 4 | Strep A or B | 8 | 24 |
| Giardia | 12 | 17 | Toxoplasmosis | 1 | 0 |
| Haemophilus Influenza | 1 | 7 | Tuberculosis | 44 | 42 |
| Hepatitis A | *4 (1) | *14 (0) | Active | 2 | 0 |
| Hepatitis B | *14 (2) | *23 (1) | Atypical | 18 | 11 |
| Hepatitis C | *67 (1) | 90 | Latent Infection (LTBI) | 18 | 31 |
| H1N1 | 77 | 0 | Varicella (Chicken Pox) | 20 | 15 |
| Hemolytic Uremic Syndrome | 1 | 1 | Sexually Transmitted Infections | | |
| Lead Poisoning | *53 (28) | *40 (20) | Chlamydia | 501 | 663 |
| Legionnaire's Disease | 4 | 2 | Gonorrhea | 122 | 72 |
| Lyme Disease | *28 (11) | *48 (41) | | | |
| Malaria | 1 | 0 | | | |
| | | | TOTAL | 1114 | 1229 (1160) |

*Cases Reported () Cases Confirmed

Objective 3: By December 31, 2010 a Public Health Nurse will contact 95% of all residents with non-STI acute and/or communicable diseases that are reported to the Rock County Health Department.

Rock County Health Department received 471 reports of non-STI communicable diseases in 2010. Of these reports, 448 (95%) were contacted by Public Health Nurses to conduct case investigation.

The increase in total disease reports is due specifically to the 32% increase in cases of Chlamydia.

Objective met

Objective 4: By December 31, 2010, 85% of persons followed for treatment of active Tuberculosis or latent Tuberculosis infection will complete the prescribed medication therapy.

There were 0 cases of active Tuberculosis in Rock County in 2010. Four (4) cases of Latent Tuberculosis Infection (LTBI) were followed for medication therapy and all four cases (100%) completed their medication treatment.

Objective met

Objective 5: By December 31, 2010, 80% of children less than 6 years of age, with a capillary blood lead level ≥ 10 mcg/dl, will complete a confirmatory venous blood lead test.

In 2010, 30 referrals were received for children with capillary lead levels ≥ 10 mcg/dl. Of these 30 children, 22 (73%) received a confirmatory venous blood lead test. Eight (27%) children were unable to be located or families refused service. Of the 22 receiving confirmatory testing, 14 (63%) had blood lead levels < 10 mcg/dl.

Objective not met

Objective 6: By December 31, 2010, 80% of families who have a six-month-old child and live in housing with a potential for lead paint, will obtain information on childhood blood lead poisoning from a public health nurse.

Five hundred and twenty five birth records indicated families lived in housing that had the potential for having lead paint. Of these families, 207 (35%) received education about lead poisoning prevention.

Objective not met

Objective 7: By December 31, 2010, at least 80% of children less than 6 years of age, with a blood lead reading ≥ 10 mcg/dl, will meet criteria for record closure.

In 2010, forty-three records of children with elevated lead levels were closed. Thirty-two (74%) met CDC suggested criteria for closing.

Objective not met

Objective 8: By December 31, 2010, 75% of identified contacts to a reported case of Gonorrhea or Chlamydia, who lived in the Rock County Health Department jurisdiction, will be tested and/or treated.

In 2010, there were 224 reported contacts to cases of Gonorrhea or Chlamydia. Of these contacts, 53% received treatment for exposure to Gonorrhea or Chlamydia.

Frequently, contact names and locating information (address or telephone number) is not accurate; thus making it difficult to follow up with the contact to ensure treatment is received and taken.

Objective not met

Objective 9: By December 31, 2010, 80% of persons referred to RCHD for Partner Services (PS) will receive information about testing and follow up.

In 2010, seventeen individuals were referred for Partner Services. Of these 17, thirteen (72%) clients received services.

Through memoranda of understanding, Rock County continues to provide Partner Services in Walworth, Green, and Grant counties as well as Rock County.

Objective met

MATERNAL AND CHILD HEALTH SERVICES

The goals of Maternal/Child Health Services are to

- Promote positive health behaviors among families both during pregnancy and across the lifespan;
- Promote the growth, development and optimal functioning of infants, children and youth; and
- Prevent injury and premature disability

Public health nurses at the Rock County Health Department are uniquely positioned to provide services to the client in both home and office settings. In 2010 the program through which these services are provided was renamed “Healthy Families First”. This name captures the core public health message of prevention of adverse outcomes and promotion of positive health behaviors. Through collaboration with M & I Bank in Rock County a community baby shower was held at all bank branches, resulting in over 700 donated baby items.

Referrals for services come from many sources. The total number of referrals received in 2010 was 1063, an increase of 27% over 2009. This number of referrals is an indicator of high risk individuals in the community: pregnant or parenting families that are at risk for potential negative birth outcomes or growth and development problems in children.

Not all families that are referred accept services when offered. A new protocol called “QuickStart” was instituted this year. The intent of “QuickStart” is to provide nurses with referrals in a timelier manner. If nurses can make contact with a client more quickly after a pregnancy is confirmed, or an infant is born, the more likely the client is to accept services and the more likely the nurse will stay in the home providing assessment, education, and support.

Nine objectives were targeted for the year 2010 in the service area of maternal and child health. The objectives and narrative related to the accomplishment of the objectives are described below.

Objective 1: By December 31, 2010, the infant mortality rate for families served antepartally by the Rock County Health Department will be zero.

Rock County Health Department served 231 clients during their pregnancy. There were no neonatal infant deaths in this population.

Objective met

Objective 2: By December 31, 2010, at least 20% of closed antepartal clients who smoke will stop smoking during their pregnancy.

Rock County has a significantly higher percentage of women who smoke during pregnancy when compared to women across the state. Of the 231 clients served in their pregnancy, 80 (35%) indicated that they smoked prior to becoming pregnant. Nurses counsel women to stop or decrease their smoking through the “First Breath” program. Of the women seen, 31 (39%) stopped smoking during their pregnancy. Additionally, 36 (45%) reported decreasing the amount they smoked.

Objective met

Objective 3: By December 31, 2010, 85% of women served two months or longer after the birth of an infant will complete a postpartum visit to their doctor.

In 2010, 84 women were seen for more than 2 months of service during the immediate post-partum period. Of these, 70 (83%) women completed their post-partum physician visit. Though the objective target was not met, this year's rates increased over the 72% that reported making a postpartum visit in 2009.

Objective not met

Objective 4: By December 31, 2010, 80% of infant health records, served more than two months, will be current with immunizations at the time of record closure.

In 2010, 179 infants were seen for more than two months of service. Of these, 147 (82%) were current with the immunizations at discharge.

Objective met

Objective 5: By December 31, 2010, 80% of children in the Head Start program who fail the vision and hearing screening will receive medical follow up.

There were 275 children screened for vision. Of these, 20 children were referred for medical follow up. Sixteen children (80%) were seen by a medical provider.

There were 275 children screened for hearing. Of these children, 34 were referred for medical follow up. Twenty-three of these children (68%) were seen by a health care provider.

Objective partially met

Objective 6: By December 31, 2010, 100% of all medically needy students in school districts served by the Rock County Health Department will have a plan of care in place to assure accurate and safe care is being provided.

Orfordville-Parkview, Edgerton and Evansville school districts and St. Paul Lutheran School are recipients of contracted school nursing services. This year 103 individual student care plans were implemented in the schools served. There is a continuing trend toward more complicated student medical conditions in the school setting. The public health nurses serve primarily as consultants in the development, implementation and training of available school staff to meet the student health need.

This year the Wisconsin Department of Public Instruction amended the existing laws governing medication administration in schools. These changes mandated a more extensive training program for school staff, supervised by a nurse experienced in school nursing. Public health nurses have assisted in educating Rock County schools, both public and parochial, in the implications of the rule for their schools. Two parochial schools, St. Matthew and St. Patrick's School have contracted for health department services to support their efforts in meeting this new requirement.

Objective met

Objective 7: By December 31, 2010 staff at designated Day Care/Preschool Centers will receive training on the Color Me Healthy nutrition education program.

All Rock County Head Start sites are assigned a public health nurse to consult on matters of student health. These nurses also implemented the “Color Me Healthy” program in each building. Nurses met with the Family Resource Workers at each site to inform them of the program and ask for assistance in reinforcing the information presented. Each classroom had at least four presentations from the Color Me Healthy program, with newsletters and information going home to integrate healthy eating outside of the classroom as well.

Objective met

Objective 8: By December 31, 2010 all child deaths (in children under 18 years of age) will be reviewed by the Child Death Review Team.

In 2010, there were 12 deaths to children 18 years of age or younger. Of these 12 children, records on 4 of the children were reviewed (33%).

2010 was a year of transition for the Child Death Review Team. Several key members of the team left and as a result, meetings were canceled or recent deaths were not reviewed. In the winter of 2010, the team was revitalized and strategies were implemented to begin 2011 with the purpose of reviewing the current year’s deaths.

Objective not met

Objective 9: By December 31, 2010 provide 2 outreach activities focused at decreasing racial and ethnic disparities in birth outcomes.

The nursing division is active in two community coalitions designed to eliminate racial disparities in birth outcome. As a member of the African American Infant Mortality Coalition, the agency was involved in organizing a day long community seminar on management of stress in everyday life. The presentations focused on better health through the lifespan and reduction of the cumulative effects of stress on the family. A life-course perspective brought local resources in healthy eating, job finding and budgeting to the Beloit Memorial High School event.

The Beloit LIHF: Pathways to Healthier African American Families was organized to begin a year-long process of community assessment and deliberation about the most effective local strategies for reducing health disparities in the Beloit African American population, most notably the high rate of infant mortality in this population. The agency was involved at many levels, participating in the development of the bylaws, communicating through the Stakeholder Engagement Domain and presenting panel discussions and local data.

Objective met

FAMILY HEALTH CLINIC

By December 31, 2010, 100% of clients assessed in the Family Health Clinic, will receive the services they need.

The Family Health Clinic provides services that transverse the Communicable Disease Control Program, Maternal/Child Health Program and the Adult Health Program. In addition to the clinical services provided, the

nurses also serve as a reference point for citizens looking for referrals and information about health concerns and community resources. All clients that sought services through the Family Health Clinic were served.

CLINIC SERVICES

Notable in the service delivery this year is the influence that the 2009 H1N1 outbreak had on the number of calls and immunizations in 2009. The number of phone calls logged in 2010 is more congruent with the 596 phone calls taken in the year 2008. The increase in referrals for pregnancy testing and Express Enrollment sign-up is likely due to the increased communication and collaboration with the First Choice Women's Health Center as a referral source.

NEW SERVICES IN 2010

| Service | 2009 | 2010 |
|---|------|-------|
| Immunizations | 9074 | 5,463 |
| International Travel Services | 453 | 500 |
| Telephone Calls | 2721 | 617 |
| Vision Screening | 65 | 35 |
| TB Skin Testing | 331 | 257 |
| Pregnancy Testing for Express Enrollment (MA) | 24 | 46 |
| Paternity Testing | 810 | 910 |

This year the nurses incorporated diabetes risk assessment as a service at the

Janesville Senior Fair. In all, 24 clients were screened for their risk for diabetes. 15 of those individuals were determined to be at risk and were referred for further follow-up to their healthcare providers.

Objective met