



Your Partner for a Healthy Community

ENVIRONMENTAL HEALTH 2013 ANNUAL REPORT

A central image of a single water drop falling into a pool of water, creating a series of concentric ripples. The drop is captured in mid-fall, just above the surface, with a small splash of water below it. The background is a solid, vibrant blue color.

To strive to achieve a healthy community
by protecting and promoting public
health through education, training,
advocacy, and the provisions of services.

“Your partner for a healthy community”

Frank Kruppa, Public Health Director

William Klepack, M.D., Medical Director

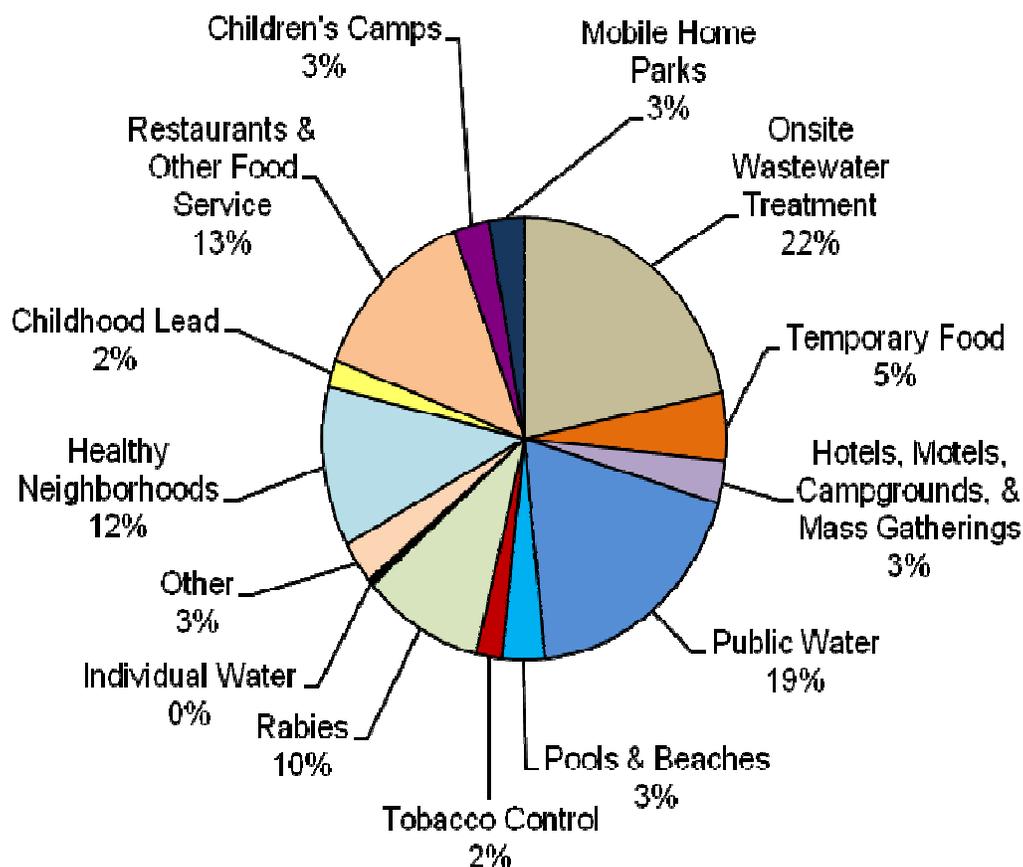
C. Elizabeth Cameron, P.E., Director of Environmental Health

Inclusion through Diversity

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Staff Time in Environmental Health Programs - 2013



DIVISION OVERVIEW

The Tompkins County Environmental Health Division promotes public health by conducting environmental health inspections and related activities for settings such as restaurants and other food service establishments, children's camps, hotels, campgrounds, swimming pools, bathing beaches, drinking water, and on-site sewage treatment systems. The Division enforces the New York State (NYS) Public Health Law, NYS Sanitary Codes (NYSSC), and the TC Sanitary Code (TCSC). Staff conducts inspections, documents deficiencies and violations, recommends improvements or mandates corrections, and reviews engineering and other plans related to facility operation and design. Staff also conducts investigations of illness outbreaks and complaints, children's camp and swimming injuries, childhood lead poisoning, and we respond to public health nuisances, hazards, and emergencies.

SPECIAL PROJECTS AND EVENTS

New Way to Contact Us – With the assistance of Tompkins County Information Technology Services (ITS), the Division now has a new email account – TCEH@tompkins-co.org. This new account has been helpful for sending and receiving information electronically, especially when multiple staff may be involved in responding to an electronic inquiry.

EH/ITS Permit Management Project – EH and ITS initiated a new software project with the goals of:

- Integrating the collection, management and presentation of permit data, design/site-based plans, field inspections, and financial transactions for both the Division employees and the customers;
- A paperless system – Go Green and solve our expanding hard copy storage issues; and
- Improving public access to information (e.g., a public web portal).

In 2013, the project focused on the Onsite Wastewater Treatment System (OWTS)

program, with plans to expand it to all EH programs in the future. The contracts with Accela for software and professional services were executed in June, beginning a surprisingly time-intensive and demanding project. Basic configuration of the software was completed by our consultants, Redmark Technologies, in November, beginning an extensive testing period that identified many configuration issues and continued into 2014.

Hydrilla invades Cayuga Inlet – year 3

Two herbicides, endothall and fluridone, were applied to the inlet to Cayuga Lake from July through October 2013, as part of the plan to eradicate hydrilla from the inlet to Cayuga Lake. Unfortunately, hydrilla was discovered in a new location, Fall Creek, this year. The hydrilla in Fall Creek was removed by hand, followed by an endothall application in September. The Environmental Health Division was involved as part of the Hydrilla Task Force and also as a regulatory agency in permit review and the development and implementation of water quality monitoring plans.

Water quality monitoring was conducted to assure the safety of the Bolton Point public water supply intake which is 2-1/2 miles from the inlet. Eradication efforts to date have been successful but will need to continue for multiple years to come. More information is available at StopHydrilla.org.

New EH Structure – During the first half of 2013, the Environmental Health Division developed a new structure for the Division. The goals of the new structure are to develop an efficient and effective organizational structure that has the appropriate positions to accomplish all of the managerial, technical and administrative responsibilities for the division.

- Allowing for adaptability to new public health issues, technologies and personnel;
- Facilitating quality work by all staff; and
- Providing opportunities for staff growth, development, promotion, and job satisfaction.

A major change with the new structure is that two Senior Public Health Sanitarians will supervise technical staff, instead of the four supervisors (previously three Sr. Sanitarians and one Public Health Engineer). The structure retains three Senior Sanitarians, allowing one Senior Sanitarian to focus on administrative and enforcement activities within the Division instead of the regulatory program supervision and management.

Personnel – On June 3, Senior Public Health Sanitarian and Director of the Food Protection Program Carol Chase retired after 25 years of service. Carol managed the Program with thoroughness and solid communication skills and, with her focus on education, developed a strong working relationship with the food service industry. Carol is greatly missed by all of us in Environmental Health and throughout the Health Department.

Upon Carol's retirement, Skip Parr was promoted to Senior Public Health Sanitarian. Skip's strong organizational and communication skills are a terrific match for his new position focusing on oversight and enforcement in the Division.

Sarah Caputi joined our staff from the Geneva District Office, filling the Public Health Sanitarian vacancy created by Skip's promotion. Sarah has a strong food service background and was also previously a certified water supply operator.

EH Interns – The Environmental Health Division welcomed two interns in January, both seniors at Ithaca College. Molly O'Neil was in the IC Public Health program and worked on an education and outreach plan for the Division. Lee Ann Hill was an Environmental Science major and worked with the City of Ithaca on the wood smoke issue.

EH Project Assistants – In November, Environmental Health hired two Project Assistants, Sara Ulacco-Bly and Caitlin Feller to assist with efforts to digitize our hard copy OWTS files. This project is closely connected to the Accela software project, for both internal and public access

to information. Sara and Caitlin were able to digitize OWTS files for several municipalities before the end of the year.

DIVISION PROGRAMS

FOOD PROTECTION PROGRAM



The Food Protection Program provides education and regulates permitted food service establishments (FSE's) through training, inspection, and enforcement. These tasks enable the Division to protect, promote, and preserve public health with the goal of preventing food borne illnesses. Staff conducts pre-operational inspections following a facility plan review at new facilities and at existing facilities with major renovations. All FSE's are inspected at least once a year; high-risk establishments are inspected twice a year. Re-inspections are performed to ensure that critical violations have been corrected.

Temporary food service permits are issued for festivals and other events. Permit applicants receive appropriate food safety education and are inspected based on risk.

MOBILE HOME PARKS



Staff permits, monitors, and inspects mobile home parks to maintain a healthy environment for its residents as defined by state and local sanitary codes. In addition, the Division responds to complaints associated with mobile home parks.

TEMPORARY RESIDENCES

Staff permits and inspects hotels, motels, and similar temporary residence operations to ensure proper sanitation and safety for the protection of the public. The inspections include review of public water supplies, restaurants, swimming pools, and bathing beaches.

CAMPGROUNDS AND AGRICULTURAL FAIRGROUNDS



Staff permits and inspects campgrounds and fairgrounds to ensure proper sanitation and safety for the protection of the public. Inspections include a review of proper spacing of the campsites for fire safety and shower and sanitary facilities. The inspections include review of public water supplies, swimming pools, and bathing beaches.

Ithaca's Largest Festival a Public Health Success – The Fingerlakes Grassroots Festival obtained permits to operate three campgrounds from July 18 through July 21. Dedicated staff worked with organizers to ensure that the water, food services, sewage, and campgrounds were in compliance with the NYSSC. There were approximately 1500 camp sites at the three campgrounds.

CHILDREN'S CAMPS



Staff permits and inspects summer camp facilities annually to ensure that adequate supervision and safeguards exist to provide a healthy and safe environment for children as required by the NYSSC. In addition, staff reviews and approves safety plans and camp staff certifications. Staff also investigates all injuries and illnesses that occur at children's camps.

Injuries and Illnesses at Children's Camps – Fifty-one injuries and illnesses were reported from permitted children's camps during the 2013 camp season. Injuries included four fractures, 19 concussions, two dislocations, two lacerations and one two neck strain/sprains. Illnesses and other medical conditions included 11 campers with folliculitis, two

with ringworm, six with impetigo, one with pertussis, one use of an epi pen for a bee sting and one attempted suicide by drug overdose.

SWIMMING POOLS AND BATHING BEACHES



Public swimming pools and bathing beaches are regulated to ensure that the facilities are constructed, maintained, and operated in a manner to prevent illnesses, injuries, and deaths. A major focus of the program is on bather supervision, lifeguard requirements, and life-saving equipment and its use. General safety provisions, chemical treatment, and the proper operation of equipment and maintenance of such facilities are also examined.

DRINKING WATER PROGRAM



The Drinking Water Program is designed to assure that the public has access to adequate quantities of safe drinking water. Staff inspects all public water systems annually and collects surveillance samples to assure that the systems provide safe, potable water. Technical assistance is provided to system operators in preparing Annual Water Quality Reports and in complying with new or complex regulations including sampling requirements. When a public health hazard is identified at a public water supply, the Division issues a Boil Water Order (BWO), which requires the water supplier to notify its users that the water is unsafe and must be boiled before use. Staff also responds to individuals inquiring about water quality problems by offering sampling recommendations, interpretations of water laboratory analyses, and providing procedures for disinfecting their well.



Taste Test Held – The Division held the County's 19th Annual Drinking Water Taste Test at the Ithaca Farmer's Market. Over 200 participants sampled water from

seven municipal water systems in Tompkins County. Repeating their 2012 performance, Bolton Point Water System was voted the best tasting water and represented Tompkins County competing in a Regional State Water Taste Test. They placed a commendable top ten finish at the New York State Fair.

ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PROGRAM



All county residents are required to obtain a permit from the Division before installing a new on-site sewage system or repairing or replacing an existing

one. Staff reviews, designs, inspects, and permits new and replacement on-site sewage treatment systems. In addition, staff investigates and enforces code requirements when nuisance complaints are reported in regard to failing or improperly maintained sewage systems. Engineering plans of sewer extensions, pumping stations, and sewage treatment systems are reviewed to ensure compliance with standards and codes for larger public wastewater treatment systems. The goal of the program is to prevent disease caused by raw sewage contaminating the environment we live in and the water we drink.

REALTY SUBDIVISIONS AND DEVELOPMENTS

The Division regulates permanent and temporary residential development to ensure that safe, healthful facilities are built. Critical areas the Division reviews include water systems and wastewater treatment

and disposal systems. In addition, plans for construction, addition, or modification of any public water supply must be reviewed to ensure compliance.

RABIES CONTROL PROGRAM



Rabies is a preventable viral disease that attacks the central nervous system and typically leads to death. The disease can be transmitted from infected mammals to humans and

other mammals. Staff investigates all reported mammal bites and saliva exposures to prevent the spread of the disease to humans. In addition, staff prepares and ships suspected rabid specimens to the state laboratory for testing, provides outreach and education, authorizes rabies prophylaxis to local medical providers, and coordinates free rabies vaccination clinics for dogs, cats, and ferrets.

Rabies Report – During the year, rabies was confirmed in bats, a raccoon, and a fox in Tompkins County. The rabid fox attacked two people. The media were alerted to inform people of the situation and advise them to be very cautious when going outside in the area where the fox had been seen. Law enforcement searched the area for the fox for a day and a half. The fox was shot by a resident and submitted for rabies testing. As expected, the results came back positive. Five people received post-exposure shots due to contact with the fox.

CHILDHOOD LEAD POISONING PREVENTION



The Division works with the Lead Poisoning Prevention Network to educate the public about lead poisoning, to reduce lead exposures by informing the public about the potential dangers of lead paint, and to increase the number of children tested for lead in their blood. Lead poisoning is a major health concern, especially among children, because it can

affect their growth, behavior, and ability to learn. Staff investigates all referrals of children with blood lead levels of 10 milligrams per deciliter or greater.

ADOLESCENT TOBACCO USE PREVENTION ACT (ATUPA)



Tobacco vendors are prohibited by law from selling cigarettes and other tobacco products to minors under the age of 18. The goal of the ATUPA Program is to reduce access to tobacco and tobacco products by persons under the age of 18 by monitoring and conducting on-site compliance checks at all tobacco retailers.

CLEAN INDOOR AIR ACT (CIAA) AND TOMPKINS COUNTY LOCAL LAW #3

State and local laws make smoking tobacco illegal in all public indoor areas including bars and food service establishments. Staff investigates complaints and conducts field visits when necessary to enforce these laws. The Fraternal Order of Eagles is the only operation in Tompkins County that has been granted a waiver from these requirements by providing a controlled, alternative smoking area that meets specific requirements.

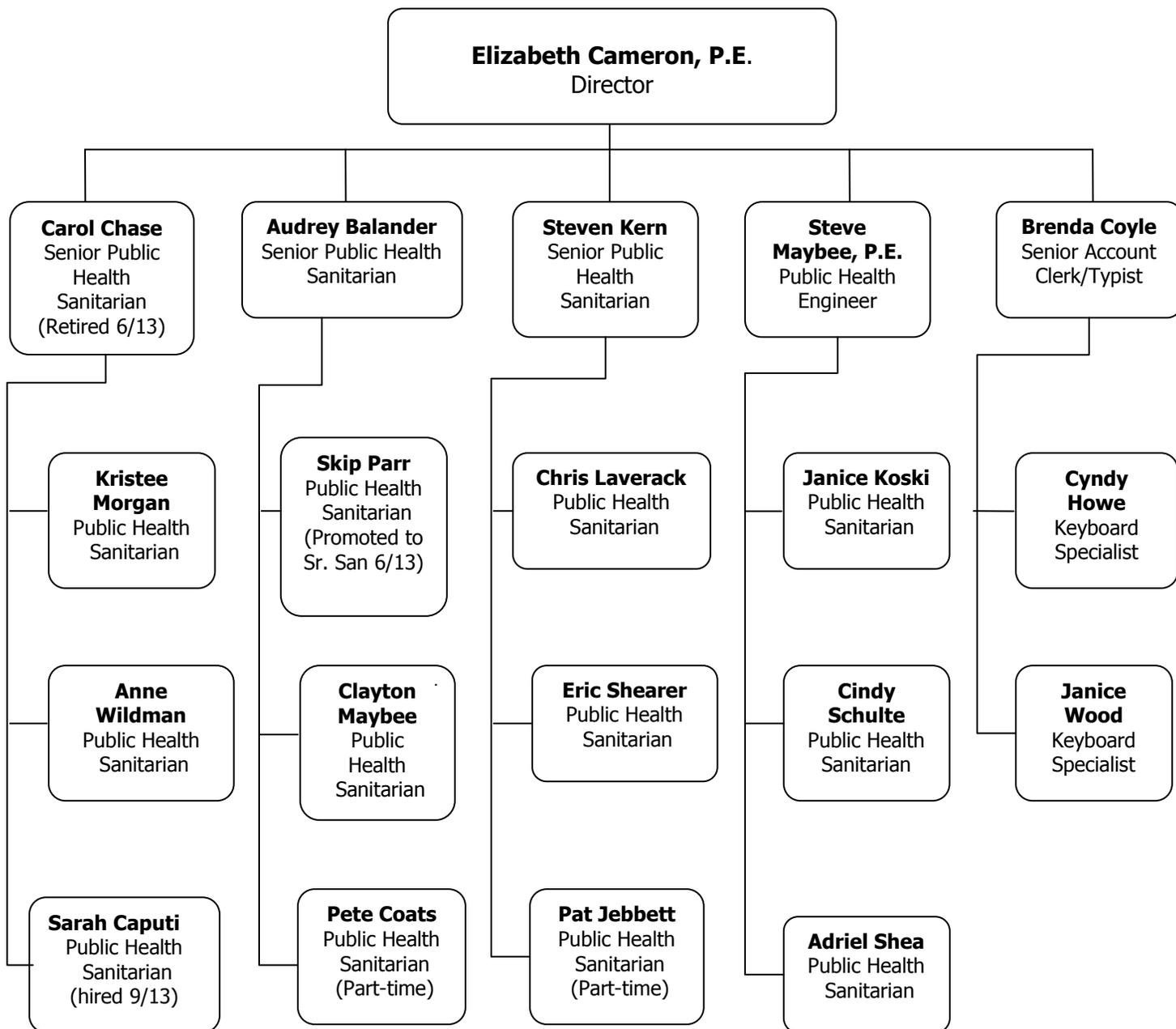
HEALTHY NEIGHBORHOODS PROGRAM (HNP)



The HNP promotes healthy homes in specific target areas of Tompkins County by pursuing the following goals: prevention of indoor air pollution, prevention of asthma hospitalizations, prevention of residential fire deaths, prevention of lead poisoning, and reduction of indoor tobacco use. Staff assesses homes through on-site visits and provides products to help make the home safer and healthier.

HNP Grant Application Submission – The New York State Department of Health (NYSDOH) announced a competitive grants application process for continuing the HNP program in 2014. The Tompkins County EH proposal for the Healthy Neighborhoods Program (HNP) was successfully submitted to NYSDOH prior to the December 16, 2013, deadline. The detailed proposal required a tremendous effort from the HNP staff, and we were rewarded for our efforts when we received notification in April 2014 that our application was successful!

ENVIRONMENTAL HEALTH DIVISION 2013 ORGANIZATIONAL CHART



2013 ENVIRONMENTAL HEALTH DIVISION DATA

FOOD PROTECTION PROGRAM							
<i>Restaurants & Other Food Service</i>	<i>Permitted Operations</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>	<i>Plan Reviews</i>	<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
High Risk	186	454					
Medium Risk	268	345	172	261	16	45	3
Low Risk	76	84					
Total	530	883	172	261	16	45	3
Temporary FSE	353	136	27	7	n/a	0	3
MOBILE HOME PARKS							
<i>Permitted Operations</i>	<i>Lots</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>		<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
39	2,004	42	4	64		6	3
TEMPORARY RESIDENCES							
	<i>Permitted Operations</i>	<i>Rooms</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>	<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
Hotels & Motels	31	1,879	52	2	24	2	3
CAMPGROUNDS & AGRICULTURAL FAIRGROUNDS							
	<i>Permitted Operations</i>	<i>Sites</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>	<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
Campgrounds	7	1,966	29	1	5	0	1
Agricultural Fairgrounds	1	50	2	0	0	0	0
CHILDREN'S CAMPS							
<i>Permitted Operations</i>	<i>Campers</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>	<i>Injury/Illness Investigations</i>	<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
30	n/a	78	0	6	31	0	0
SWIMMING POOLS & BATHING BEACHES							
	<i>Permitted Operations</i>	<i>Site Visits</i>	<i>Critical Violations</i>	<i>Other Violations</i>	<i>Injury/Illness Investigations</i>	<i>Complaint Investigations</i>	<i>Enforcement Actions</i>
Pools	52	103	6	126	1	1	0
Beaches	6	16	0	7	0	0	0
PUBLIC WATER SYSTEMS (PWS)							
Community PWS			94	Boil Water Orders Issued			15
Other PWS			52	Disinfection Waivers			25
Complaint Investigations			n/a	Enforcement Actions			8
ON-SITE WASTEWATER TREATMENT SYSTEMS (OWTS)							
<i>Permits Issued</i>			<i>Completion Certificates Issued</i>				<i>Enforcement Actions</i>
New Construction/Conversions		121	New Construction/Conversions		84		
Replacements		121	Replacements		104	7	
Total # of Permits Issued		242	Total # of Permits Issued		188		

2013 ENVIRONMENTAL HEALTH DIVISION DATA

ENGINEERING PLAN REVIEWS			
ON-SITE WASTEWATER TREATMENT SYSTEMS		PUBLIC WATER SYSTEMS (PWS)	
0 - 499 gpd	17	Public Water Systems	6
500 - 999 gpd	8	Distribution Water Main Extensions	4
1,000 - 1,999 gpd	4	Cross-Connection Control Devices	21
> 2,000 gpd	2	Other Water System Modification	5
REALTY SUBDIVISIONS		COLLECTOR SEWER	OTHER ENGINEERING REVIEWS
Projects	0	< 5,000'	1
Lots	0	>5,000'	0
RABIES CONTROL PROGRAM			
<i>Potential Human Exposures to Rabies / Lab Submissions / Rabies Clinics</i>			
Potential Human Exposure Investigations	300	Rabies Clinics Offered	10
Human Post-Exposure Treatments	88	Dogs Vaccinated	761
Animal Specimens Tested	203	Cats Vaccinated	480
Animals Testing Positive	8	Ferrets Vaccinated	2
Enforcement Actions	0	Pet Quarantined for 6-Months	3
CHILDHOOD LEAD PROGRAM			
Children with Elevated Blood Lead Levels	7		
Sites Inspected	11	Enforcement Actions	0
Abatements Completed	0		
Lead Assessments Sent	7		
HEALTHY NEIGHBORHOODS PROGRAM			
Home Visits	398	Asthma Homes	52
Re-Visits	80	Homes Approached	641
ADOLESCENT TOBACCO USE PREVENTION ACT (ATUPA)			
Active Operations	66	Violations	6
ATUPA Compliance Checks	153	Enforcement Actions	6
COMPLAINTS			
General/Nuisance Complaints	65	Enforcement Actions	0
STAFF DAYS (Excluding Leave Time)			
Public Water Supply			635.5
Environmental Radiation			0.0
Community Sanitation and Food Protection			1924.5
Environmental/Occupational Health			4.2
Miscellaneous			332.9
Other Environmental Services			503.2
Total Staff Days / Full Time Employees			3400.3 / 15.45
REVENUE			
Facility Permit Fees			\$212,176.65
On-Site Wastewater System Fees			\$91,305.00
Water System Operating Fees			\$23,760.00
Plan Review Fees			\$19,155.00
Board of Health Penalties			\$8,320.00
Other Fees			\$4,476.09
Total Revenue			\$359,192.74
NYSDOH GRANTS			
Healthy Neighborhoods Program			\$83,482
Drinking Water Enhancement Program			\$135,820
Tobacco Enforcement Program			\$34,059

ENVIRONMENTAL HEALTH DIVISION'S HISTORY OF PROGRAM ACTIVITIES BY YEAR

FOOD PROTECTION PROGRAM - <i>Restaurants & Other Food Service</i>					
	2013	2012	2011	2010	2009
Permitted Operations	530	519	496	523	493
Site Visits (Includes Inspections)	883	774	750	838	812
Critical Violations	172	131	187	207	220
Other Violations	261	209	302	1	1
Plan Reviews	16	11	13	26	12
<i>Temporary FSE</i>					
Permitted Operations	353	303	297	325	321
Site Visits (Includes Inspections)	136	110	134	215	242
Critical Violations	27	11	16	34	37
Other Violations	7	0	5	1	1
MOBILE HOME PARKS					
	2013	2012	2011	2010	2009
Permitted Operations	39	40	42	42	42
Lots	2004	2,011	2022	2,022	2,025
Site Visits (Includes Inspections)	42	110	76	41	62
Critical Violations	4	5	7	8	6
Other Violations	64	60	74	56	52
TEMPORARY RESIDENCES - <i>Hotels & Motels</i>					
	2013	2012	2011	2010	2009
Permitted Operations	31	29	29	30	28
Rooms	1879	1,761	1,756	1,760	1,745
Site Visits (Includes Inspections)	52	52	42	47	33
Critical Violations	2	1	1	6	0
Other Violations	24	15	5	7	1
CAMPGROUNDS & AGRICULTURAL FAIRGROUNDS					
	2013	2012	2011	2010	2009
Permitted Operations	8	9	10	8	7
Sites	2016	2,065	2,103	2,043	1,743
Site Visits (Includes Inspections)	31	38	29	11	17
Critical Violations	1	2	3	0	0
Other Violations	5	6	4	0	0
CHILDREN'S CAMPS					
	2013	2012	2011	2010	2009
Permitted Operations	30	28	24	27	28
Site Visits (Includes Inspections)	78	73	59	64	74
Critical Violations	0	0	0	1	1
Other Violations	6	7	11	15	22
Injury/Illness Investigations	31	45	28	77	12
SWIMMING POOLS & BATHING BEACHES - <i>Indoor/Spa, Outdoor & Bathing Beaches</i>					
	2013	2012	2011	2010	2009
Permitted Operations	58	59	61	59	59
Site Visits (Includes Inspections)	119	118	171	152	151
Critical Violations	6	10	13	7	6
Other Violations	133	91	43	44	44
Injury/Illness Investigations	1	2	0	2	2
PUBLIC WATER SYSTEMS (PWS)					
	2013	2012	2011	2010	2009
Community PWS	94	93	93	92	93
Other PWS	52	57	56	53	53
Boil Water Orders Issued	15	14	19	12	23
Disinfection Waivers	25	28	35	38	38

ENVIRONMENTAL HEALTH DIVISION'S HISTORY OF PROGRAM ACTIVITIES BY YEAR

ON-SITE WASTEWATER TREATMENT SYSTEMS	2013	2012	2011	2010	2009
Permits Issued					
New Construction/Conversions	121	134	134	116	127
Replacements	121	101	115	127	138
Completion Certificates Issues					
New Construction/Conversions	84	95	94	90	109
Replacements	104	102	96	117	134
ENGINEERING PLAN REVIEWS	2013	2012	2011	2010	2009
Realty Subdivisions	0	0	4	2	1
On-Site Wastewater Treatment Systems	31	21	23	20	14
Collector Sewer	1	0	1	1	0
Public Water Systems	6	1	2	3	2
Distribution Water Main Extension	4	8	4	1	7
Cross-Connection Control Devices	21	9	9	6	8
Other Water System Modification	5	11	7	7	10
Other Engineering Reviews ²	1	2	0	4	8
RABIES CONTROL PROGRAM	2013	2012	2011	2010	2009
Potential Human Exposure Investigations	300	373	353	463	463
Human Post-Exposure Treatments	88	118	98	114	130
Animal Specimens Tested	203	187	148	161	179
Animals Testing Positive	8	13	8	15	11
Rabies Clinics Pet Vaccinations	1243	1,375	1,316	1,354	1,339
CHILDHOOD LEAD PROGRAM	2013	2012	2011	2010	2009
Children with Elevated Blood Lead Levels	7	0	0	3	1
Sites Inspected	11	6	6	3	1
Abatement Completed	0	0	0	0	0
Lead Assessments Sent	7	6	4	3	1
HEALTHY NEIGHBORHOODS PROGRAM	2013	2012	2011	2010	2009
Home Visits	398	458	426	88	Program began in 2010
Re-visits	80	195	181	¹	
Asthma Homes	52	44	31	7	
Homes Approached	641	1,307	763	¹	
ADOLESCENT TOBACCO USE PREVENTION ACT	2013	2012	2011	2010	2009
Active Operations	66	66	66	66	65
ATUPA Compliance Checks	153	129	133	148	163
Violations	6	3	1	5	1
COMPLAINTS - Facility & General/Nuisance	2013	2012	2011	2010	2009
Complaint Investigations	119	149	172	182	227
ENFORCEMENT ACTIONS	2013	2012	2011	2010	2009
Total Cases	32	31	29	44	14
BOH Penalties Assessed	\$10,200	\$11,200	\$10,200	\$18,600	\$8,300
BOH Penalties Collected ³	\$8,320	\$7,680	\$6,200	\$8,600	\$7,200
TIME BREAKDOWN	2013	2012	2011	2010	2009
Staff Days Excluding Leave	3400.3	3416.0	3344.0	3308.0	3284.0
REVENUE	2013	2012	2011	2010	2009
Total Collected	\$359,193	\$324,796	\$280,858	\$262,917	\$257,632
NYSDOH GRANTS	2013	2012	2011	2010	2009
Healthy Neighborhoods Program (10/1 – 9/30)	\$83,482	\$185,000	\$185,000	\$185,000	\$185,000
Drinking Water Enhancement Program (4/1 – 3/31)	\$135,820	\$143,855	\$143,855	\$143,885	\$132,998
Tobacco Enforcement Program (4/1 – 3/31)	\$34,059	\$35,004	\$16,421 ⁴	\$34,004	\$34,639

¹Data not collected

³Penalties collected may include penalties assessed in previous years

²Includes MHP's, Campgrounds, and Swimming Pools

⁴ATUPA Grant 6 Month Extension 10/1/11-3/31/12

⁵HNP Grant 6 Month Extension 10/1/13-3/31/14