




Your Partner for a Healthy Community

# ENVIRONMENTAL HEALTH 2016 ANNUAL REPORT

A central image of a water droplet falling into a pool of water, creating a series of concentric ripples. The droplet is captured in mid-fall, just above the surface, with a small splash of water below it. The ripples spread outwards from the point of impact, creating a sense of movement and depth. The background is a solid, light blue color, which makes the darker blue of the water and the white highlights on the droplet stand out.

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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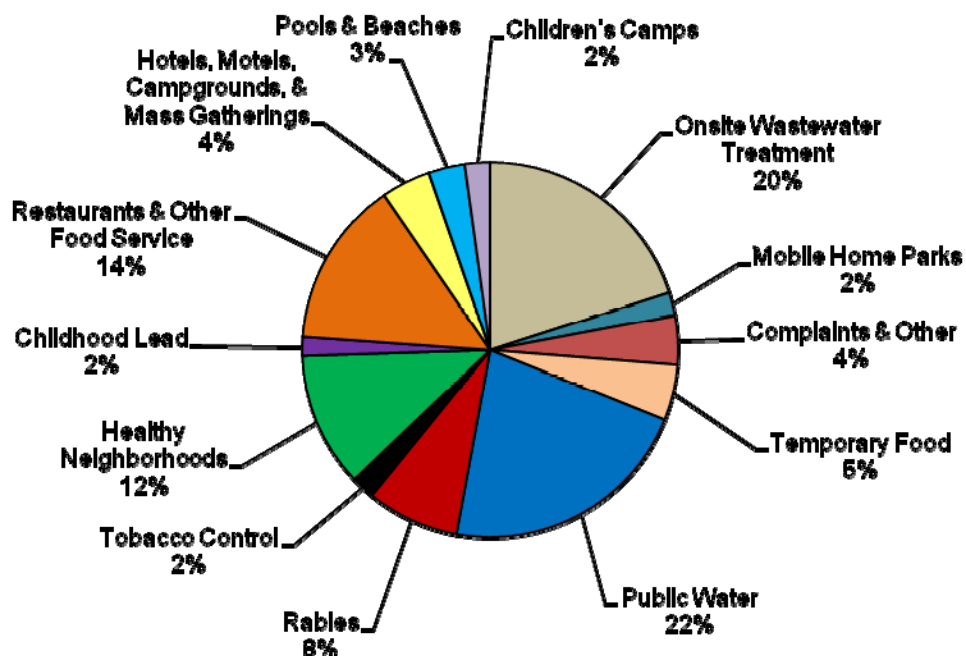
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## **DIVISION OVERVIEW**

The Tompkins County Environmental Health Division (EH) 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, New York State Sanitary Codes (NYSSC), and the Tompkins County 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***

**The Drought:** Tompkins County experienced "severe" and "extreme" drought conditions during the summer and fall of 2016. Fall Creek and Six Mile Creek, which supply drinking water to Cornell University and the City of Ithaca, reached record low levels during this time period. Precipitation from March through at least June was the lowest on record for Ithaca.

Environmental Health met frequently with Cornell University Public Water Supply, the City of Ithaca, and the Southern Cayuga Lake Intermunicipal Water Commission (SCLIWC), commonly called Bolton Point, to discuss water supply conditions and to develop and evaluate options. The New York State Department of Health (NYSDOH), New York State Department of Environmental Conservation (NYSDEC) and Tompkins County Department of Emergency Response (DOER) were involved at various times.

Due to concern about the ability of Fall Creek and Six Mile Creek to meet the water

supply demands of Cornell University and the City of Ithaca, the City of Ithaca urged voluntary water conservation and the Health Department issued a press release on July 21 urging everyone to conserve water. Cornell started with voluntary water conservation but subsequently issued mandatory limited water use restrictions in July. Bolton Point had sufficient water for their own needs but was operating near peak production in July and August, limiting their ability to provide water if needed by both the City and Cornell. Both Cornell and the City used non-potable water for irrigation. Ithaca College, which is on Bolton Point water, also implemented water conservation measures.

Cornell University brought in O'Brien and Gere consulting engineers to help develop and evaluate emergency supply options including accelerating construction and use of additional water filtration membranes at the City of Ithaca to increase their production capacity and improvements at selected interconnections for the water suppliers. Modifications to the Bolton Point treatment plant to increase production capacity and treatment of water from the Lake Source Cooling facility were considered but not implemented.

Twice during this period, the Tompkins County Health Department evaluated the need to recommend an Emergency Declaration by the County due to the extremely low flow in Fall Creek and/or Six Mile Creek. On July 25, the City of Ithaca was withdrawing more water that was flowing in Six Mile Creek. At times Cornell University was also withdrawing close to or all of the flow in Fall Creek. Subsequent rains were sufficient to delay the need for an Emergency Declaration.

The drought affected all of Tompkins County. The USDA Farm Service Agency (FSA) implemented measures for area farmers, including a Livestock Compensation Program for farmers who were forced to move animals out of pasture. Emergency low interest loans were also available.

The Environmental Health Division actively monitored the drought situation through the fall until stream flows stabilized significantly above levels required for water supply.

**City of Ithaca Water Quality Issues:**

Beginning sometime in late-June, the City of Ithaca received hundreds of complaints from residents that their water was discolored. The discoloration varied from slightly discolored to highly turbid water. The City responded by flushing water mains and modifying treatment processes. Various reasons for the discoloration were evaluated, and the cause was determined to be elevated levels of manganese related to the drought.

The City started treating the water with sodium permanganate at the intake at the 60' dam. This oxidizes the soluble iron and manganese in the water, allowing the City to precipitate out these minerals at the treatment plant. Until the effective treatment dose was determined, elevated manganese contributed to discoloration at various locations in the City water supply, sometimes precipitating out after the treatment plant. In early August, the chemical feed needed to correct the problem was successfully achieved and customer complaints subsequently stopped.

During this time, EH required additional monitoring which identified violations of limits for color, manganese and turbidity. The Board of Health subsequently adopted a Time Table of Compliance that required the City to require an evaluation of the situation and plans to prevent the problems from recurring.

**Lead Levels in Drinking Water at Ithaca City School District Schools:**

Elevated levels of lead were detected in drinking water at Caroline and Enfield Elementary Schools in the latter part of 2015. The Ithaca City School District (ICSD) conducted additional testing at those and the other schools in their district. The sampling techniques used during early testing did not follow acceptable procedures which, in some cases, contributed to

detections of extremely elevated lead levels in the schools' drinking water. As a result of the elevated detections, the ICSD provided bottled water for consumptive uses in all their schools.

The Environmental Health Division was not consulted for the school-wide or district-wide sampling and had significant concerns about the process and procedures that were followed that could create disruptive conditions, potentially releasing lead-containing particles into the distribution system. Using the general authority under our local sanitary code to ensure that drinking water is not provided that *"is not potable or from a supply which is not adequately protected and maintained,"* we required all future actions concerning lead in the drinking water at all ICSD schools to be coordinated and approved by us.

The testing results received attention by the Governor's office, the Environmental Protection Agency (EPA), and NYSDOH. Both NYSDOH and EPA provided assistance developing information on the drinking water systems at all schools and conducting additional testing. The Environmental Health Division also received inquiries from and provided assistance to other concerned schools interested in testing.

**Safe School Drinking Water Act:** In part because of the school lead situation in Tompkins County, Governor Cuomo signed the Safe School Drinking Water Act into law on September 6, 2016. Emergency regulations issued by the NYSDOH went into effect the same day. These regulations required all school districts and boards of cooperative educational services (BOCES) to test all water outlets with the potential to provide potable water for lead contamination and to implement a lead remediation plan when necessary. School districts were required to sample all elementary schools by September 30, 2016, and all remaining schools by October 31, 2016. EH worked with Tompkins County School Districts that sampled their schools' water for lead in 2016. Interpretations of

the regulations required some additional sampling at schools in Tompkins County.

**Accela Permit Management System.** In 2016 EH issued all permits for programs affecting multiple facilities through the Accela Permit Management System, with most permits being sent electronically to the facilities. All permits issued are now accessible electronically to EH staff and also to the public through the Accela public portal. Additionally, permit applications and payments may be electronically submitted by the public through Accela Citizen Access. In 2016, the public submitted over 500 applications and made 284 payments in the amount of \$44,285.05 electronically. Approximately 95% of Temporary Food Service, 30% of Swimming Pool, 20% of On-site Wastewater Treatment System, and 10% of Public Water System applications were submitted on-line. Overall, 33% of all permit applications and payments were submitted on-line.

All complaints and enforcement actions are now recorded and monitored through the Accela Permit Management System. Accela has also been expanded to provide the capability to track expiring On-Site Wastewater Treatment System Construction Applications and Permits. Notices are auto-generated and sent to all applicants and owners monthly giving them the option to renew. This also allows EH Sanitarians to track renewals through the workflow and automatically send email notices to the applicants.

**Personnel** – Cynthia Mosher started as a part-time Public Health Technician, providing assistance with the Rabies program and complaints, working 15 hours per week in a temporary position. Cynthia was promoted to a full-time Public Health Sanitarian as a result of a vacancy opening in May.

Retired Senior Sanitarians Steven Kern and Audrey Balander returned again to EH in part-time, temporary positions starting May 23. Audrey and Steven assisted with

handling Children's Camp permits and inspections this year.

Maya Puleo began working as a Project Assistant for the Healthy Neighborhoods Program (HNP) in July. Shannon Constantino worked as a HNP Education Coordinator in July to assist HNP while Samantha Hillson was working part-time for 2016. Maya was promoted to HNP Education Coordinator in August following Shannon's resignation.

## **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.

## **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** – Eight injuries and illnesses were reported from permitted children's camps during the 2016 camp season.

## **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 ensure 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 22<sup>nd</sup> Annual Drinking Water Taste Test at the Streets Alive Event in Ithaca on April 30.

Approximately 64 participants sampled water from seven municipal water systems in Tompkins County. Cornell University water was voted the best tasting water and represented Tompkins County competing in a Regional State Water Taste Test.

## **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.

## **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 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.

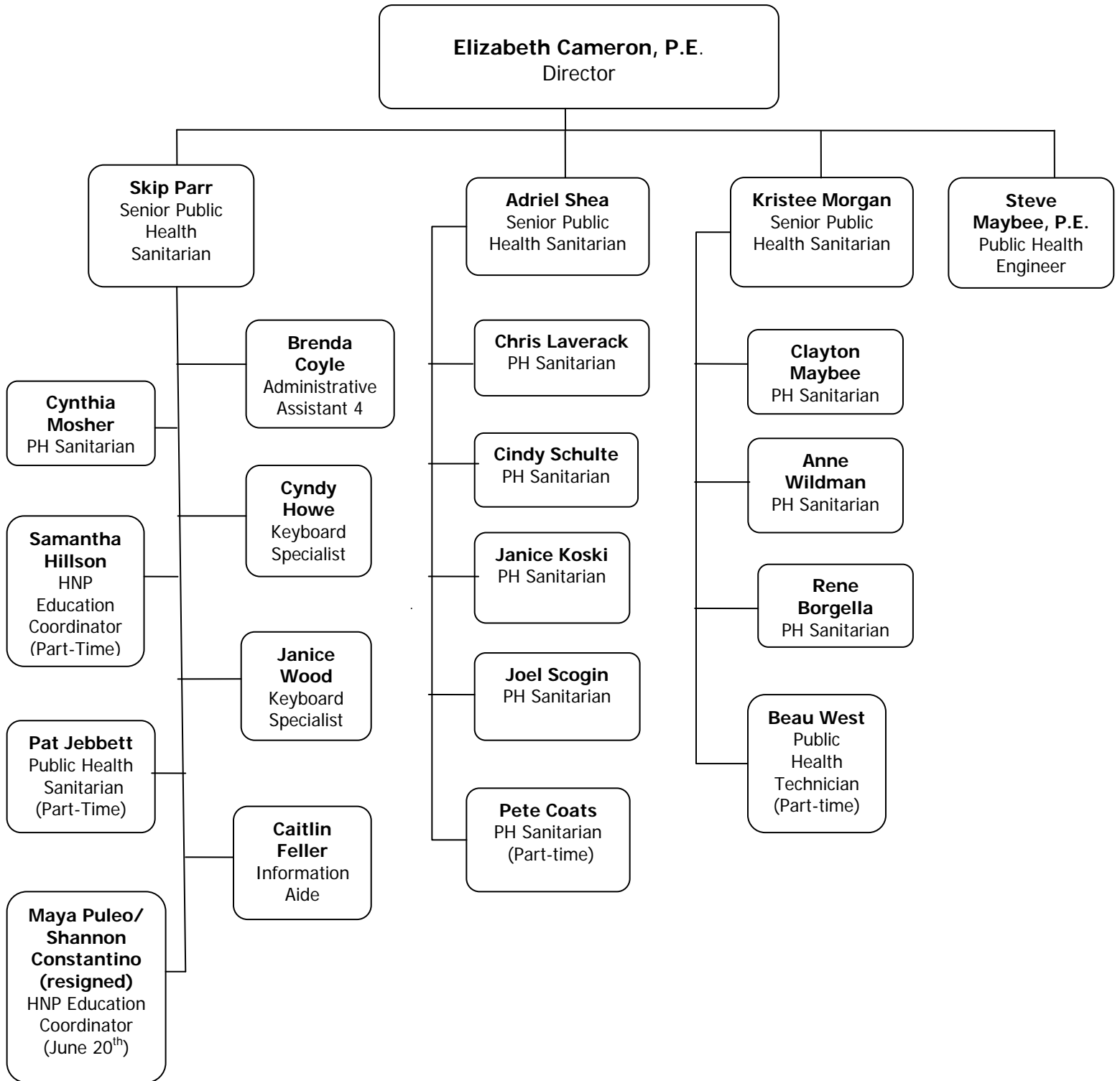
## **HEALTHY NEIGHBORHOODS PROGRAM (HNP)**



The HNP promotes healthy homes in 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 assess homes through on-site visits and provide free products to help make the home safer and healthier.



# ENVIRONMENTAL HEALTH DIVISION 2016 ORGANIZATIONAL CHART



## 2016 ENVIRONMENTAL HEALTH DIVISION DATA

<b>FOOD PROTECTION PROGRAM</b>							
<i>Restaurants &amp; 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	184	456			0		
Medium Risk	281	324	172	329	6	46	12
Low Risk	96	131			8		
<b>Total</b>	<b>561</b>	<b>911</b>	<b>172</b>	<b>329</b>	<b>14</b>	<b>46</b>	<b>12</b>
Temporary FSE	408	165	24	9	0	0	3
<b>MOBILE HOME PARKS</b>							
<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	2,014	29	5	37		5	0
<b>TEMPORARY RESIDENCES</b>							
	<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	33	2,181	49	2	76	7	3
<b>MASS GATHERING, CAMPGROUNDS &amp; AGRICULTURAL FAIRGROUNDS</b>							
	<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	10	453	19	0	3	0	0
Agricultural Fairgrounds	1	50	3	0	0	0	0
Mass Gathering	1	n/a	10	0	1	0	0
<b>CHILDREN'S CAMPS</b>							
<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>
35	n/a	89	0	16	8	0	0
<b>SWIMMING POOLS &amp; BATHING BEACHES</b>							
	<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	53	86	8	34	0	0	0
Beaches	6	14	0	2	0	0	0
<b>PUBLIC WATER SYSTEMS (PWS)</b>							
Community PWS			89	Boil Water Orders Issued			6
Other PWS			55	Disinfection Waivers			23
Complaint Investigations			3	Enforcement Actions			1
<b>ON-SITE WASTEWATER TREATMENT SYSTEMS (OWTS)</b>							
<i>Permits Issued</i>			<i>Completion Certificates Issued</i>				<i>Enforcement Actions</i>
New Construction/Conversions		141	New Construction/Conversions		103	0	
Replacements		102	Replacements		100		
<b>Total # of Permits Issued</b>		<b>243</b>	<b>Total # of Permits Issued</b>		<b>203</b>		

## 2016 ENVIRONMENTAL HEALTH DIVISION DATA

ENGINEERING PLAN REVIEWS			
ON-SITE WASTEWATER TREATMENT SYSTEMS		PUBLIC WATER SYSTEMS (PWS)	
0 - 499 gpd	15	Public Water Systems	0
500 - 999 gpd	8	Distribution Water Main	3
1,000 - 1,999 gpd	0	Extensions	
> 2,000 gpd	0	Cross-Connection Control	12
		Devices	
		Other Water System	3
		Modification	
REALTY SUBDIVISIONS		COLLECTOR SEWER	
Projects	1	< 5,000'	0
Lots	6	>5,000'	0
			<b>OTHER ENGINEERING REVIEWS</b>
			2
RABIES CONTROL PROGRAM			
<i>Potential Human Exposures to Rabies / Lab Submissions / Rabies Clinics</i>			
Potential Human Exposure Investigations	374	Rabies Clinics Offered	11
Human Post-Exposure Treatments	85	Dogs Vaccinated	646
Animal Specimens Tested	195	Cats Vaccinated	408
Animals Testing Positive	12	Ferrets Vaccinated	14
		Pet Quarantined for 6-Months	11
Enforcement Actions	0		
CHILDHOOD LEAD PROGRAM			
Children with Elevated Blood Lead Levels	4		
Sites Inspected	5	Enforcement Actions	0
Abatements Completed	0		
Lead Assessments Sent	5		
HEALTHY NEIGHBORHOODS PROGRAM			
Home Visits	360	Asthma Homes	49
Re-Visits	106	Homes Approached	1,218
ADOLESCENT TOBACCO USE PREVENTION ACT (ATUPA)			
Active Operations	67	Violations	3
ATUPA Compliance Checks	188	Enforcement Actions	3
COMPLAINTS			
General/Nuisance Complaints	113	Enforcement Actions	0
STAFF DAYS (Excluding Leave Time)			
Public Water Supply		796.8	
Environmental Radiation		4.2	
Community Sanitation and Food Protection		1990.3	
Environmental/Occupational Health		12.5	
Miscellaneous		291.7	
Other Environmental Services		553.7	
<b>Total Staff Days / Full Time Employees</b>		<b>3649.2</b>	
REVENUE			
Facility Permit Fees		\$234,513.39	
On-Site Wastewater System Fees		\$95,890.00	
Water System Operating Fees		\$27,165.00	
Plan Review Fees		\$15,785.00	
Board of Health Penalties		\$10,700.00	
Other Fees		\$6,071.66	
<b>Sub-Total Revenue</b>		<b>\$390,125.05</b>	
<b>Official Payments Client Fees</b>		<b>(\$1,334.21)</b>	
<b>Total Revenue</b>		<b>\$388,790.84</b>	
NYSDOH GRANTS			
Healthy Neighborhoods Program		\$189,000	
Drinking Water Enhancement Program		\$135,820	
Tobacco Enforcement Program		\$33,030	

## ENVIRONMENTAL HEALTH DIVISION'S HISTORY OF PROGRAM ACTIVITIES BY YEAR

<b>FOOD PROTECTION PROGRAM - Restaurants &amp; Other Food Service</b>					
	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Permitted Operations	561	547	550	530	519
Site Visits (Includes Inspections)	911	891	888	883	774
Critical Violations	172	150	171	172	131
Other Violations	329	256	235	261	209
Plan Reviews	14	20	17	16	11
<b>Temporary FSE</b>					
Permitted Operations	408	456	386	353	303
Site Visits (Includes Inspections)	165	163	133	136	110
Critical Violations	24	19	14	27	11
Other Violations	9	14	12	7	0
<b>MOBILE HOME PARKS</b>					
Permitted Operations	39	39	39	39	40
Lots	2014	2014	2005	2004	2011
Site Visits (Includes Inspections)	29	30	47	42	110
Critical Violations	5	19	1	4	5
Other Violations	37	241	10	64	60
<b>TEMPORARY RESIDENCES - Hotels &amp; Motels</b>					
Permitted Operations	33	31	31	31	29
Rooms	2181	1842	1878	1879	1761
Site Visits (Includes Inspections)	49	51	35	52	52
Critical Violations	2	7	0	2	1
Other Violations	76	68	8	24	15
<b>MASS GATHERING<sup>1</sup>, CAMPGROUNDS &amp; AGRICULTURAL FAIRGROUNDS</b>					
	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Permitted Operations	12	8	6	8	9
Sites	503	490	426	2016	2065
Site Visits (Includes Inspections)	32	23	22	31	38
Critical Violations	0	0	0	1	2
Other Violations	4	4	1	5	6
<b>CHILDREN'S CAMPS</b>					
Permitted Operations	35	33	35	30	28
Site Visits (Includes Inspections)	89	81	85	78	73
Critical Violations	0	0	0	0	0
Other Violations	16	6	4	6	7
Injury/Illness Investigations	8	11	46	31	45
<b>SWIMMING POOLS &amp; BATHING BEACHES - Indoor/Spa, Outdoor &amp; Bathing Beaches</b>					
	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Permitted Operations	59	57	58	58	59
Site Visits (Includes Inspections)	100	99	114	119	118
Critical Violations	8	8	5	6	10
Other Violations	36	54	43	133	91
Injury/Illness Investigations	0	0	2	1	2
<b>PUBLIC WATER SYSTEMS (PWS)</b>					
Community PWS	89	89	90	94	93
Other PWS	55	53	57	52	57
Boil Water Orders Issued	6	13	17	15	14
Disinfection Waivers	23	23	25	25	28

## ENVIRONMENTAL HEALTH DIVISION'S HISTORY OF PROGRAM ACTIVITIES BY YEAR

<b>ON-SITE WASTEWATER TREATMENT SYSTEMS</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
<b><i>Permits Issued</i></b>					
New Construction/Conversions	141	138	125	121	134
Replacements	102	112	122	121	101
<b><i>Completion Certificates Issues</i></b>					
New Construction/Conversions	103	105	105	84	95
Replacements	100	105	122	104	102
<b>ENGINEERING PLAN REVIEWS</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Realty Subdivisions	1	1	1	0	0
On-Site Wastewater Treatment Systems	23	28	14	31	21
Collector Sewer	0	0	0	1	0
Public Water Systems	0	1	0	6	1
Distribution Water Main Extension	3	2	2	4	8
Cross-Connection Control Devices	12	6	6	21	9
Other Water System Modification	3	5	4	5	11
Other Engineering Reviews <sup>2</sup>	2	2	1	1	2
<b>RABIES CONTROL PROGRAM</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Potential Human Exposure Investigations	374	302	253	300	373
Human Post-Exposure Treatments	85	93	103	88	118
Animal Specimens Tested	195	207	190	203	187
Animals Testing Positive	12	13	12	8	13
Rabies Clinics Pet Vaccinations	1068	851	1,096	1,243	1,375
<b>CHILDHOOD LEAD PROGRAM</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Children with Elevated Blood Lead Levels	4	4	5	7	0
Sites Inspected	5	5	11	10	6
Abatements Completed	0	2	0	1	0
Lead Assessments Sent	5	4	5	6	6
<b>HEALTHY NEIGHBORHOODS PROGRAM</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Home Visits	360	406	426	398	458
Re-visits	106	141	98	80	195
Asthma Homes	49	71	67	52	44
Homes Approached	1218	888	2,034	641	1,307
<b>ADOLESCENT TOBACCO USE PREVENTION ACT</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Active Operations	67	68	68	66	66
ATUPA Compliance Checks	188	93	135	153	129
Violations	3	0	1	6	3
<b>COMPLAINTS - Facility &amp; General/Nuisance</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Complaint Investigations	172	108	97	119	149
<b>ENFORCEMENT ACTIONS</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Total Cases	22	14	29	32	31
BOH Penalties Assessed	\$11,200	\$5,400	\$24,300	\$10,200	\$11,200
BOH Penalties Collected <sup>3</sup>	\$10,700	\$7,100	\$13,800	\$8,320	\$7,680
<b>TIME BREAKDOWN</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Staff Days Excluding Leave	3649.1	3375.2	3353.1	3400.3	3416.0
<b>REVENUE</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Total Collected	\$388,791	\$380,593	\$364,311	\$359,193	\$324,796
<b>NYSDOH GRANTS</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Healthy Neighborhoods Program (Oct 1-Sept 30) <sup>4</sup>	\$189,000	\$189,000	\$189,000	\$83,482	\$185,000
Drinking Water Enhancement Program (Apr 1-Mar 31)	\$135,820	\$135,820	\$135,820	\$135,820	\$143,855
Tobacco Enforcement Program (Apr 1-Mar 31)	\$33,030	\$33,710	\$32,395	\$34,059	\$35,004

<sup>1</sup>GrassRoots established as a Mass Gathering in 2014

<sup>2</sup>Includes MHP's, Campgrounds, and Swimming Pools

<sup>3</sup>Penalties collected may include penalties assessed in previous years

<sup>4</sup>HNP Grant 6 Month Extension 10/1/13-3/31/14