

**ENVIRONMENTAL HEALTH SERVICES DIVISION
DAVIS COUNTY HEALTH DEPARTMENT**

2009 ACTIVITY STATISTICAL REPORT



AIR QUALITY BUREAU

FOOD SERVICE AND PERMITTED FACILITIES BUREAU

**WASTE MANAGEMENT AND
ENVIRONMENTAL RESPONSE BUREAU**

WATER RESOURCES BUREAU

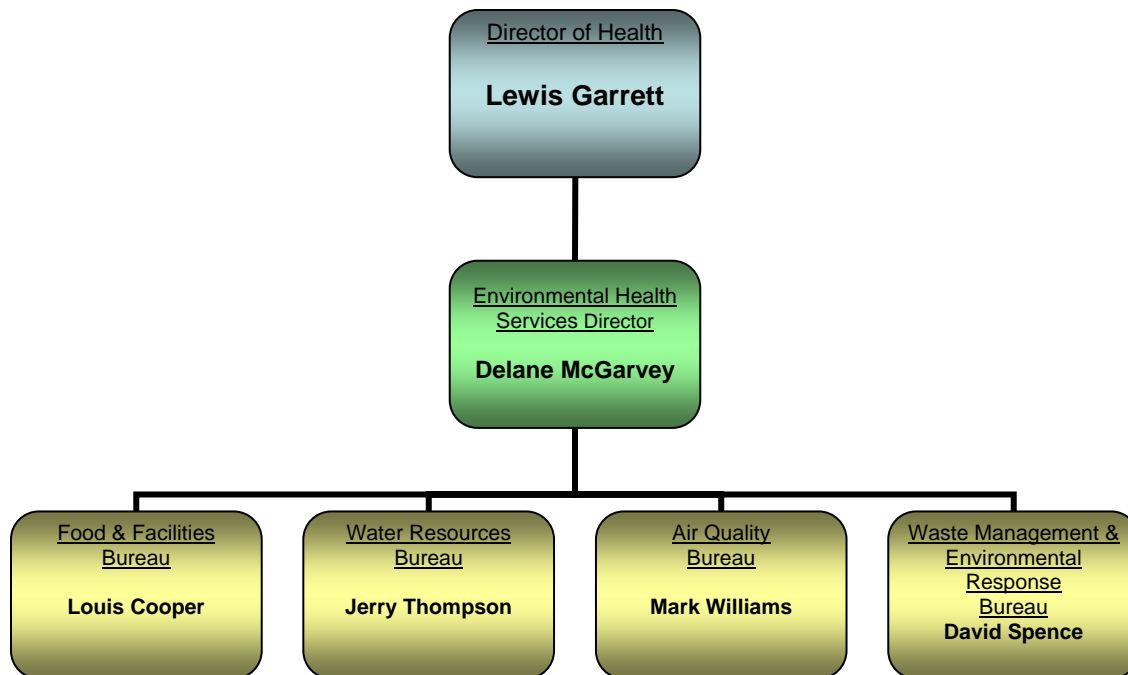
THE DIVISION

The focus and mission of the Environmental Health Services Division is to facilitate in the elimination of all environmental factors that lead to disease, lessen quality of life, and degrade personal and public health in Davis County. Environmental media of concern includes food, water, air, soil, solid and hazardous waste, as well as vectors of public health significance such as bats, biting and stinging insects, rats and mice.

The core staff of Environmental Health Division is composed of professionals who have earned a life science degree and who are licensed Environmental Health Scientists (E.H.S.), all bureau and division directors have obtained a Masters Degree. Duties and functions of staff members are to enforce regulatory mandates by the use of sound public health principles with thoughtful and diplomatic consultation. They educate, observe, verify, audit, and conduct risk assessments. Two technicians and three secretarial staff members are also important employees in this section of the division.

The composition of the Division is the Air Quality Bureau, the Food Service and Permitted Facilities Bureau, the Waste Management and Environmental Response Bureau, and the Water Resources Bureau. Major sections within two of the four bureaus are the Vehicle Inspection/Maintenance Program (I/M) and Tri-County Weatherization Assistance Program.

The Inspection/Maintenance Program (I/M) is composed of several experienced, professional mechanics and automotive technicians, and a top notch secretarial staff. The Tri-County Weatherization Assistance Program is composed of highly effective individuals who are people from the building and maintenance trades, along with a program auditor and a public outreach specialist.



AIR QUALITY BUREAU

The Staff of the Air Quality Bureau is composed of both Environmental Health Scientists and employees of the Inspection/Maintenance program. Some of the activities in this bureau are to investigate any air related discharge from fuel and other volatile organic compounds (VOC) such as spills and fuel transfer operations. To investigate smoke of any kind, including open burning, point or stack emissions and mobile source violations.

Staff members investigate polluted airborne particles such as asbestos and suspicious odors. Asbestos specimens are tested by certified technicians to determine type and percentage of asbestos materials. Used oil stations are also regulated and inspected by the bureau. Also, in a cooperative agreement with Utah State Department of Environmental Quality (D.E.Q.) staff members monitor and service the air quality station in Bountiful. Staff members are trained and prepared to answer questions relating to rules and regulations pertaining to air quality.

The Inspection/Maintenance (I/M) facility, centrally located in Kaysville, is the bureau's technical and test center. Gasoline, natural gas and diesel powered vehicles are required to be tested either at the test center or at one of over 110 permitted test stations located throughout the county. I/M Program staff consult, educate, certify and audit private sector mechanics and facilities for auto emissions testing. Also, Department of Motor Vehicle registration renewals are provided at the test center.

Air Quality	2009	2008	2007
Environmental Investigations in Air Quality	70	441	64
Odor Investigations	3	6	8
Open Burning Activities	28	18	21
Volatile Organic Compound (VOC) Activities	161	231	290
Asbestos Surveys	62	51	16
Asbestos Analysis	9	5	11
Air Quality Complaints	31	10	70
Air Quality Consultations with the Public	297	156	422
Air Monitoring Station Service	156	313	313
I/M Vehicle Tests at Permitted Stations	144,659	140,516	143,000
I/M Gasoline Vehicle Tests at Kaysville Test Center	23,145	24,234	26,415
I/M Diesel Vehicle Tests at Kaysville Test Center	7,390	7,501	6,919
Total I/M Vehicles Tested	175,194	172,251	176,334
Permitted I/M Station Audits	1,169	1,195	1,019
Department of Motor Vehicle Registration Renewals Processed	37,115	39,289	41,468
Used Oil Facility Inspections	77	67	30
Used Oil Consultations	15	15	33

FOOD SERVICE AND PERMITTED FACILITIES BUREAU

Environmental Health Scientists from the bureau perform routine and special audits and risk assessments on an ever growing number of public facilities that have potential health risks for occupants, patrons, and employees. These include food, water, environmental, and safety risks relating to restaurants, public schools, Job Corp Centers, hospitals, daycare facilities, factories, tanning salons, massage and tattoo parlors.

The E.H.S. professionals serve as a check and balance to insure that owners, operators and workers are trained and retain information to insure the health and safety of their patrons. The bureau staff issue permits and enforce the guidelines of the permit as required by the laws and regulations implemented to protect the health of the public. In addition to audits and risk assessments, the staff follows up on findings and complaints; they educate, consult, and do plan reviews; they conduct hearings, suspend or revoke permits, and they write legal notices of violation for non-compliance; all with the goal of a healthy public and environment in Davis County.

Other activities of the bureau staff are responses to complaints, plan reviews, pre-openings inspections and walk-through evaluations enabling them to consult food service providers on layouts and planned operational procedures. Temporary and seasonal vendors are also permitted and audited by bureau personnel.

Food Service and Permitted Facilities Bureau	2009	2008	2007
Food Service Program			
Facility Inspections	1,834	1,851	1,624
Temporary Food Service Inspections	387	259	225
Foodborne Illness Investigations	45	46	56
Follow-up Activities with Food Service Facilities	225	246	342
Notices of Violations Issued	175	87	179
Food Service Establishment Closures	34	15	10
Suspended Food Service Permits	4	6	4
Hearings Related to Food Service Operation	6	8	12
Food Service Facility Plan Reviews	48	54	40
Temporary Food Establishment Plan Reviews	252	158	168
Complaints Investigated	150	121	108
Consultations with Operators and the Public	1,751	1,671	1,321
Food Handler Tests and Permits Issued	8,870	8,785	7,890
Commercial Facilities			
Body Art Facility Inspections	16	19	19
Tanning Facility Inspections	31	26	24
Unpermitted Cosmetology Facility Inspections	1	2	
Notices of Violation Issued to Commercial Facilities	12	31	32
Complaints Investigated	9	6	11
Consultations with Operators and the Public	123	83	79
Institutional Facilities			
School Inspections	116	132	153
Job Corps Inspections	15	19	16
Jail Inspections	5	2	4
Home Day Care Food Service Inspections	84	64	128
Day Care/Pre-School Inspections	19	28	29
Nursing/Group Home Inspections	33	56	30
Hospital/Dental Facility Inspections	36	8	0
Follow-up Actions in Schools and Care Facilities	4	28	16
Notices of Violation Issued to Schools and Care Facilities	16	38	38
Plan Reviews for Schools and Care Facilities	7	13	3
Complaints Investigated	34	16	18
Consultations with Operators and the Public	292	240	304
Mass Gathering			
Inspections	18	2	3
Plan Reviews	2	n/a	n/a
Consultations	27	4	8

WASTE MANAGEMENT AND ENVIRONMENTAL RESPONSE BUREAU

Since 9/11 and the anthrax incidents of 2002, the staff of this bureau, with direction and added funding from the federal government, has had an added focus on natural and bio-terrorist response and remediation capabilities. This has involved extensive training, and coordination and cooperation with national, state, and local agencies. The bureau team members have also fostered a good working relationship with both the department Epidemiologist and the Administrative Emergency Response Coordinator.

Environmental Health Scientists in this bureau investigate, and consult on emergency response events that deal with hazardous and/or infectious biological and chemical product spills and waste. They inspect, regulate, and consult on housing issues such as, mold, lead; and they evaluate, lack of, or inadequate drinking water; they investigate rodent harborage, and the aftermath of methamphetamine activities. These professionals deal with kennel overpopulations and solid waste violations in private as well as public circumstances. Bureau staff investigates animal vector concerns which usually deal with rat harborage problems and rabid animal situations.

A major program (section) attached to the bureau is the Tri-County Weatherization Assistance Program. The weatherization program delivers services to over 130 households each year. Typical measures include reducing air infiltrations, installing insulation, performing heating and cooling system tune-ups and repairs and replacing appliances to improve home weather tight efficiency.

Waste Management and Environmental Response Bureau	2009	2008	2007
Incidents Responded	58	41	77
Response Investigations	18	25	89
Emergency Response Consultations	144	111	233
Housing Units Inspected	163	112	148
Housing Units Closed	22	9	24
Housing Notices of Violation Issued	21	19	25
Housing Complaints Investigated	160	146	166
Housing Consultations – General	241	241	427
Housing Consultations – Methamphetamine Related	62	n/a	n/a
Housing Consultations – Mold Related	178	165	180
Lead Poisoning Consultations	44	41	129
Solid Waste Facility Inspections	9	4	6
Kennel Inspections	7	10	10
Animal Waste Investigations	13	12	16
Solid Waste Investigations	66	60	56
Notices of Violation Related to Solid Waste Management	3	7	10
Solid Waste Complaints Investigated	10	21	31
Consultations Related to Solid Waste Disposal	113	127	128
Hazardous Waste Site Assessments	52	43	74
Hazardous Waste Investigations	12	9	27
Hazardous Waste Complaints Investigated	5	4	12
Hazardous Waste Consultations	64	54	95
Infectious Waste Inspections– All	3	3	9
Infectious Waste Investigations	0	1	22
Infectious Waste Consultations	14	11	49
Rabies Investigations	66	69	70
Number Animals Positive for Rabies	2	8	6
Areas Inspected for Rats	90	40	64
Vector Consultations	320	181	297
Other Vector Activities	67	82	94
Homes Weatherized	116	108	108
Replaced Furnaces	59	55	
Replaced Refrigerators	61	35	

WATER RESOURCES BUREAU

The Water Resources Bureau staff is entrusted with essential duties to insure the quality of the various types of water in Davis County. This includes drinking water, swimming pool water and other recreational water, urban runoff water going into our streams, ponds and the final destination in the Great Salt Lake.

Bureau staff scientists conduct drinking water system audits and risk assessments (sanitary surveys) on all public water supplies in the county. Technicians monitor the quality of all drinking water supplied to the citizens of Davis County by taking and testing water samples. Swimming pools are audited and inspected monthly, and samples are taken semi-monthly to determine pool water quality. Streams and the Great Salt Lake are evaluated periodically by environmental health scientists and sampled monthly by both technicians and scientists. Samples are taken from the Great Salt Lake in cooperation with the state Department of Environmental Quality. A prime concern of the bureau staff is the bacterial water quality of the bathing beach at Bridger Bay; located on the North West corner of the island. Antelope Island receives hundreds of thousands of visitor each year.

Drinking water samples are collect by city workers and bureau personnel. Pool samples and stream and lake samples are collected by the bureau personnel only. All drinking and pool water is tested in the Division's laboratory which is certified by the State of Utah Bureau of Laboratory Improvement (BLI) to the National Environmental Laboratory Accreditation Conference (NELAC) standard. Our laboratory is certified to test for Fluoride, and total coli-form, E. coli, and Heterotrophic bacteria. Stream and lake bacteria samples are tested in the division laboratory, but all other lake and stream samples are run by personnel at the State of Utah and Weber Basin Water Conservatory District laboratories. Stream and lake samples are taken in a cooperative agreement with State Department of Environmental Quality personnel. Several parameters are tested in these samples, and this information is available to staff members in the division.

Bureau staff assists the public and utility workers with questions regarding drinking water, fluoride, public swimming pools, on-site wastewater disposal systems (septic tank drain fields) and other water quality issues. Staff members also are trained in emergency response as it relates to water quality, and the bureau conducts a formal training for pool operators and issue the required certification of course completion and success.

Water Resources Bureau	2009	2008	2007
Drinking Water Investigations and Follow-ups	127	37	56
Drinking Water System Surveys Conducted	14	18	10
Drinking Water Samples Taken	638	743	728
Drinking Water System Field Tests Conducted	618	514	454
Drinking Water Bacteriological Analysis (Coliform)	3,475	3,555	3,940
Drinking Water Bacteriological Analysis (Plate Counts)	354	390	362
Drinking Water Fluoride Analysis	520	523	475
Drinking Water Boil Orders Issued	0	0	0
Drinking Water Complaints Investigated	16	16	11
Drinking Water Consultations with Operators and the Public	399	340	547
Public Pool Annual Inspections	207	159	176
Public Pool Monthly Inspections	954	851	981
Public Pool Investigations	31	25	71
Public Pool Follow-up Actions	133	111	86
Public Pool Water Samples Taken	2,029	1,983	2,134
Public Pool Field Tests Conducted	5,936	5,657	4,755
Public Pool Notice of Violations Issued	22	15	26
Public Pool Advisories Given	87	59	101
Public Pool Closures	27	59	60
Public Pool Plan Reviews Conducted	51	26	15
Public Pool Bacteriological Analysis (Coliform)	1,995	1,941	2,164
Public Pool Bacteriological Analysis (Plate Counts)	2,184	2,128	2,796
Public Pool Complaints Investigated	18	25	17
Public Pool Consultations with Operators and the Public	725	736	873

Water Resources Bureau	2009	2008	2007
On-Site Waste Water System Inspections	10	8	28
On-site Waste Water System Soil Evaluations	5	3	9
On-site Waste Water System Percolation Tests Conducted	5	0	5
On-Site Waste Water Ground Water Observations	12	53	14
Public Sewer Connections Required	3	0	21
On-site Waste Water Complaints Investigated	3	5	5
On-site Waste Water Consultations with the Public	127	161	165
Water Quality Investigations	82	47	53
Water Quality Stream Samples Taken	912	798	943
Water Quality Lake Samples Taken	114	77	83
Water Quality Field Tests Conducted	955	888	713
Water Quality Bacteriological Analysis	92	107	129
Water Quality Complaints Investigated	9	11	16
Water Quality Consultations with the Public	161	97	128