

ENVIRONMENTAL DEPARTMENT

OPERATION AND MISSION

The mission of the Environmental Department is to protect the health and welfare of the community through services that monitor, reduce, or eliminate environmental risks.

Services provided by the Department include the following:

- Laboratory sampling and analysis of wastewater, potable water, industrial waste, landfill leachate, and ground and surface water.
- Regulating, permitting, inspecting, and monitoring industrial discharges to sanitary sewers, grease from food service facilities, air contaminant sources, and solid waste disposal.
- Investigating and resolving hazardous materials spills and other pollution incidents.
- Regulating, permitting, inspecting, and monitoring on-site septic systems, septic haulers, and swimming pools.
- Inspecting food service establishments.
- Coordinating shipment and analysis of rabies specimens.
- Collecting and recycling hazardous chemicals.
- Educating regulated entities and the public through training programs and distribution of information.

INTERACTION AND ADJACENCIES

- Wastewater Department
- County Manager's Office
- Planning and Codes Department
- Health Department
- Emergency Management
- Board of County Commissioners
- Public access for purchase of radon test kits
- Public access by regulated businesses for meetings, plan reviews, application and payment for various permits
- Public access for drop off of hazardous chemicals
- Fire departments for hazardous materials investigations
- City health and environment and codes departments for co-investigation of complaints
- U.S. Environmental Protection Agency
- Kansas Department of Health and Environment



FACTORS INFLUENCING CHANGE

- Growth in County development and population will tend to drive growth in this department as incremental additions to the workload occur with new facilities to be administered. It is estimated, for example, that current rates of growth in the restaurant trade add approximately 100 units per year. Growth will also add to the regulated industrial base for air quality and industrial wastewater control.
- Growth will lead to an increase to environmental pollution complaints.
- Growth will lead to increased use of the hazardous materials collection program. Possible expansion of the hazardous materials collection program through the addition of a facility in southwest Johnson County may require additional staff and a new facility.
- Homeland security needs will increase and Environmental will be called upon to provide additional services in the years to come.
- Growth related to the Solid Waste and Grease programs is imminent. Changes are driven by an increase in restaurants in Johnson County and by the impending closure of the Johnson County Landfill.

SPECIAL NEEDS

The department currently operates in two locations, providing a challenge in managing staff and property. These locations include the hazardous materials collection facility which handled over 5,989 participants in 2006 and the administrative offices located in the Sunset Drive Office Building.

At the Olathe administrative offices, large pumper trucks must come to be inspected and permitted for septage and grease hauling. Animal control officers bring dead animals into the office to be stored, packaged, and sent for rabies evaluation at K-State. All programs involve review of architectural and engineering plans.

Some laboratory work is carried out at the administrative offices including soils evaluation and microbiological and entomological assessments.

CURRENT CONDITIONS

Currently this Department including the Water Quality Lab occupies the new Sunset Drive Office Building in Olathe. The space is adequate, fully functional, and provides for some future growth in staff.

While the hazardous materials collection facility currently has adequate capacity, the location in northeast Johnson County at the Nelson Wastewater Treatment Plant makes it inconvenient for residents in the southern and western reaches of the county to use, and may eventually require the establishment of a satellite facility to serve the southwest portions of the County.



JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: **Environmental**

Current Space: Sq. Ft.

Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	2008 Needs			2013 Needs			2018 Needs			2023 Needs		
	Room Std.	Description			No.	Total Net Sq.Ft.	Total Dept. Gross Sq.Ft.	No.	Total Net Sq.Ft.	Total Dept. Gross Sq.Ft.	No.	Total Net Sq.Ft.	Total Dept. Gross Sq.Ft.	No.	Total Net Sq.Ft.	Total Dept. Gross Sq.Ft.
Env Hshld Haz Mat Prg																
SPT SPACE																
Rest room / locker room	RSTRM0180	Restroom 180 SF	180	1.35	1	180	243	1	180	243	1	180	243	1	180	243
HAZMAT Processing	SHOP00480	Shop Area 480SF	480	1.20	1	480	576	1	480	576	1	480	576	1	480	576
HAZMAT Storage	STOR00500	Storage Room 500 SF	500	1.20	1	500	600	1	500	600	1	500	600	1	500	600
Work Copy Area	WKCP00120	Work/Copy/Eq Area 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Temporary Staff Workstations	WS01	WS Typ. 01 53 SF	53	1.40	2	105	147	2	105	147	2	105	147	2	105	147
		TOTAL:			6	1,385	1,728	6	1,385	1,728	6	1,385	1,728	6	1,385	1,728
STAFF - Pollution Control																
3180.Haz Material Technician Grade 14 (part-time)	WS02	WS Typ. 02 64 SF	64	1.40	2	128	179	2	128	179	2	128	179	2	128	179
3181.Sr Haz Mat Technician. Grade 15	WS02	WS Typ. 02 64 SF	64	1.40	2	128	179	1	64	89	1	64	89	1	64	89
		TOTAL:			4	255	357	3	191	268	3	191	268	3	191	268
		BUILDING TOTALS:				1,640	2,085		1,576	1,996		1,576	1,996		1,576	1,996

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Sunset Office Bldg																
ADMIN SPT SPACE																
Conference Room	CNF-006	6 Pers Conf Room 150 SF	150	1.35	2	300	405	2	300	405	2	300	405	2	300	405
Conference Room	CNF-014	14 Pers Conf Room 350 SF	350	1.35	1	350	473	1	350	473	1	350	473	1	350	473
Lateral File Unit (ea) 3	FILLAT-001	Lateral File Unit (ea)	16	1.35	36	576	778	37	592	799	37	592	799	37	592	799
Vertical File Unit (ea) 3	FILVRT-001	Vertical File Unit w/circ	12	1.35	1	12	16	0	0	0	0	0	0	0	0	0
Computer Lab 6	LAB00120	Labratory 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Soils Lab 1	LAB00120	Labratory 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Locker Room 2	LCKR00240	Locker Room 240 SF	240	1.35	1	240	324	1	240	324	1	240	324	1	240	324
Library	LIBRY00200	20 Unit Library 200 SF	200	1.35	1	200	270	1	200	270	1	200	270	1	200	270
Reception/ Waiting	REC-0004	Reception Area 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Animal freezer storage - at dock	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Equipment Storage - at dock	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
AV & Retail Storage	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Plan Storage	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Lab & Misc. Equipment Storage 4	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Copy/Work Area	WKCP00080	Work/Copy/Eq Area 80 SF	80	1.35	2	160	216	2	160	216	2	160	216	2	160	216
Plan Review Area 5	WKCP00200	Work/Copy/Eq Area 200 SF	200	1.35	1	200	270	1	200	270	1	200	270	1	200	270
Copy / Work / Supplies Storage Room	WKCP00300	Work/Copy/Eq Area300 SF	300	1.35	1	300	405	1	300	405	1	300	405	1	300	405
Intern	WS02	WS Typ. 02 64 SF	64	1.40	3	191	268	3	191	268	3	191	268	3	191	268
		TOTAL:			57	3,389	4,585	57	3,393	4,590	57	3,393	4,590	57	3,393	4,590
LAB SPT SPACE																
Break Room	BRK-004	Break Area - 150 SF	150	1.35	1	150	203	1	150	203	1	150	203	1	150	203
Library Conference	CNF-014	14 Pers Conf Room 350 SF	350	1.35	1	350	473	1	350	473	1	350	473	1	350	473
Dock - 1 Bay (LAB) -- covered exterior	DOCK00250	Loading Dock 250 SF	250	1.20	1	250	300	1	250	300	1	250	300	1	250	300
Analytical Lab (VOC)	LAB00240	Labratory 240 SF	240	1.35	1	240	324	1	240	324	1	240	324	1	240	324
Micro Lab	LAB00360	Labratory 360 SF	360	1.35	1	360	486	1	360	486	1	360	486	1	360	486
Autoclave / Sterilization	LAB00360	Labratory 360 SF	360	1.35	1	360	486	1	360	486	1	360	486	1	360	486
Analytical Lab (Elemental)	LAB00700	Labratory 700 SF	700	1.35	1	700	945	1	700	945	1	700	945	1	700	945
Main Laboratory	LAB01500	Labratory 1500 SF	1500	1.35	1	1,500	2,025	1	1,500	2,025	1	1,500	2,025	1	1,500	2,025
Locker Room	LCKR00100	Locker Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Sample Receiving Area	REC-0008	Reception Area 240 SF	240	1.35	1	240	324	1	240	324	1	240	324	1	240	324
Shop	SHOP00240	Shop Area 240 SF	240	1.35	1	240	324	1	240	324	1	240	324	1	240	324
Compressed gas area	ST-FLAM080	Storage- Flam Mtl 80 SF	80	1.35	1	80	108	1	80	108	1	80	108	1	80	108
Chemical Stock	ST-FLAM120	Storage- Flam Mtl -120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Records Storage	STOR00200	Storage Room 200 SF	200	1.35	1	200	270	1	200	270	1	200	270	1	200	270
Utilities Storage	STOR00200	Storage Room 200 SF	200	1.35	1	200	270	1	200	270	1	200	270	1	200	270

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	Room Std.	Description														
Equipment / General Storage	STOR00300	Storage Room 300 SF	300	1.35	1	300	405	1	300	405	1	300	405	1	300	405
Staging Area - adj. to dock (LAB)	STOR00400	Storage Room 400 SF	400	1.35	1	400	540	1	400	540	1	400	540	1	400	540
Copy / Work Area 2	WKCP00080	Work/Copy/Eq Area 80 SF	80	1.35	1	80	108	1	80	108	1	80	108	1	80	108
		TOTAL:			18	5,870	7,887	18	5,870	7,887	18	5,870	7,887	18	5,870	7,887
STAFF - Administration																
1053.Director of Environmental. Grade 21	POFC0180	Private Office 180 SF	180	1.35	1	180	243	1	180	243	1	180	243	1	180	243
6350.Receptionist. Grade 12	WS01	WS Typ. 01 53 SF	53	1.40	1	53	74	1	53	74	1	53	74	1	53	74
6350.Secretary. Grade 12	WS01	WS Typ. 01 53 SF	53	1.40	2	105	147	2	105	147	2	105	147	2	105	147
6020.Senior Account Clerk. Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	2	128	179	2	128	179	2	128	179
6351.Senior Secretary. Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
5275.Information Specialist. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
5577.Administrative Manager. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6021.Accounting Assistant. Grade 14	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6351.Customer Service Specialist Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
		TOTAL:			10	799	1,109	11	863	1,199	11	863	1,199	11	863	1,199
STAFF - Laboratory																
6350.Secretary. Grade 12	WS01	WS Typ. 01 53 SF	53	1.40	0	0	0	2	105	147	2	105	147	3	158	221
Lab Supervisor	WS03	WS Typ. 03 90 SF	90	1.40	0	0	0	0	0	0	0	0	0	0	0	0
2075.Analytical Chemist. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	2	180	252	2	180	252	2	180	252
2107.Laboratory Director. Grade 19 VARIANCE	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
3300.Laboratory Technician. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	6	540	756	7	630	882	8	720	1,008	9	810	1,134
3302.Senior Lab Technician. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	2	180	252	2	180	252	2	180	252
		TOTAL:			10	900	1,260	14	1,185	1,659	15	1,275	1,785	17	1,418	1,985
STAFF - Pollution Control																
2087.Haz Materials Program Manager. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2107.Pollution Control Dir. Grade 19 VARIANCE	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
3202.Environmental Compliance Manager. Grade 1	WS03	WS Typ. 03 90 SF	90	1.40	3	270	378	6	540	756	7	630	882	7	630	882
5577.Environmental Compliance Manager - Air Qu	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
5480.Ozone Reduction Coordinator. Grade 15, par	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			7	630	882	10	900	1,260	11	990	1,386	11	990	1,386
STAFF - Sanitation																
2107.Sanitation Director. Grade 19 VARIANCE RE	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
3202.Environmental Health Specialist. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	11	990	1,386	12	1,080	1,512	13	1,170	1,638	14	1,260	1,764
3203.Sr Environmental Health Specialist. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	3	270	378	3	270	378	3	270	378	3	270	378
		TOTAL:			15	1,350	1,890	16	1,440	2,016	17	1,530	2,142	18	1,620	2,268
		BUILDING TOTALS:				12,938	17,613		13,651	18,611		13,921	18,989		14,153	19,314
Contingency Space Allowance (1% per year)									1,030			2,098			3,197	
TOTAL REQUIRED						14,578	19,698		15,227	21,637		15,497	23,083		15,730	24,507