

WASTEWATER

OPERATION AND MISSION

Johnson County Wastewater (JCW) is a County department that operates under the direction of the Board of County Commissioners, the County Manager, Assistant County Manager and the Wastewater Administrator. The department is reorganizing in to three divisions: Customer Relations, Business Operations/Planning, and Operations & Maintenance. In addition to the Administrator and the Directors of these divisions, the Chief Engineer, Director of Communications, Director of Customer Relations, and Asset Manager will make up the JCW Leadership Team. Currently, these positions/divisions, with the exception of the Operation & Maintenance Division, are located at the new Sunset Drive Office Building at 11811 South Sunset Drive, Suite 2500, Olathe, KS 66061-7061. Due to the reorganization of the department, JCW continues to anticipate movement of staff to and from the Sunset Drive location, Myron K. Nelson Complex Treatment Facility, and/or the Douglas L. Smith Middle Basin Treatment Facility. JCW also anticipates the redesign of the customer service and permit areas at the Sunset Offices to ensure a more customer friendly focus.

INTERNAL OPERATION

Most of the staff are based at their desks with frequent meetings in on-site conference rooms. The area of the Sunset Offices JCW occupies includes three small and one medium size conference rooms with close proximity to a large conference room. JCW is also able to use other conference/multi-media rooms located throughout the Sunset Offices. JCW Inspectors work in the field most of the time and often come back to the office muddy from construction sites. The ability to enter and leave through the dock area has been very beneficial due to the location of the JCW fleet parking. In addition, the locker/shower area is convenient to the dock area.

Public contact occurs at a customer service reception counter. Permits issuance, user charges customer visits, map discussions and plan consultation occur here. Three small conference rooms adjacent to this area are used for statement or plan discussions that take longer than a few minutes. The Permits portion of this area has hanging plan files.

Printing the majority of the user charge statements is now outsourced. The plan is for statements to be printed within the department and envelope stuffing and postage occurring in a common workroom for the building. An exterior payment drop box is located by the front drive of the Sunset Office for after-hours and drive up/drop off use.

One to two evening public hearings are conducted per month that attract from 5 to 100 people. Sometimes people get irate at these and cause a scene. Having these meetings on camera as well as the extra safety measures taken by the Facilities Department has enhanced security.



JCW recently added 1,450 square feet of office space and 3,100 square feet of vehicle storage space to the Douglas L. Smith Middle Basin treatment facility. This addition allowed JCW to move approximately half of the Line Cleaning personnel and equipment from the Nelson Complex to this facility in order to more efficiently serve JCW customers in the south and east areas of the County.

INTERACTION AND ADJACENCIES

- Environmental
- County Manager
- Board of County Commissioners
- Facilities Department

FACTORS INFLUENCING CHANGE;

- Growth and development in the County will tend to parallel growth in this department, predominately in plants, engineering, and operations. Administration components are more static.

SPECIAL NEEDS

Files and library could be combined into a central room utilizing a high-density mobile file system(s), perhaps one for each function.

Provide a medium size safe (about 40" H x 24" L x 28" D) for the customer service and bill payment staff to temporarily store money.

Surveillance cameras and concealed panic buttons should be provided at public contact areas, especially in the area where public meetings are held.

Future consideration will be a Westside satellite Line Cleaning building for staff and vehicles (similar to the recently completed at the Douglas L. Smith Middle Basin facility).

JCW's service area continues to grow at approximately 7,000 people a year.

CURRENT CONDITIONS

The Sunset Drive Office Building is meeting the space needs of Johnson County Wastewater's Customer Relations and Business Operations/Planning Divisions.

The Operations & Maintenance Division may need conversion of space for staff due to the following:



- Treatment facilities expansions
- Collection/Line Cleaning requirements
- Technical areas at treatment facilities that are dedicated to electronic monitoring and support of treatment operations
- The proposed move of approximately 10 engineering staff to the Nelson Complex for enhanced Engineering/O & M interaction
- Supervisory control area for the SCADA (Supervisory control and Data Acquisition) system at the Douglas L. Smith Middle Basin treatment facility.



JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

Current Space: Sq. Ft.

Current Space:		Sq. Ft.		2008 Needs			2013 Needs			2018 Needs			2023 Needs			
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.
	Room Std.	Description														
Sunset Office Bldg																
SPT SPACE																
Computer Lab	LAB00120	Labratory 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Computer/Tel/Sec Equip Room	ELEQ00600	Tech Equip Room 600 SF	600	1.35	1	600	810	1	600	810	1	600	810	1	600	810
Conference (Large) - staff	CNF-014	14 Pers Conf Room 350 SF	350	1.35	2	700	945	2	700	945	2	700	945	2	700	945
Conference (Medium) - public/staff	CNF-006	6 Pers Conf Room 150 SF	150	1.35	1	150	203	1	150	203	1	150	203	1	150	203
Conference (Medium) - public/staff	CNF-006	6 Pers Conf Room 150 SF	150	1.35	1	150	203	1	150	203	1	150	203	1	150	203
Conference (Medium) - public/staff	CNF-006	6 Pers Conf Room 150 SF	150	1.35	1	150	203	1	150	203	1	150	203	1	150	203
Conference (Medium) - public/staff	CNF-008	8 Pers Conf Room 225 SF	225	1.35	1	225	304	1	225	304	1	225	304	1	225	304
Conference (Medium) - staff	CNF-006	6 Pers Conf Room 150 SF	150	1.35	1	150	203	1	150	203	1	150	203	1	150	203
Conference (Small) - public/staff	CNF-004	4 Pers Conf Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Copy / Work / Storage (plotters)	WKCP00400	Work/Copy/Eq Area 400 SF	400	1.35	1	400	540	1	400	540	1	400	540	1	400	540
Copy/ Work Area - evenly distributed	WKCP00080	Work/Copy/Eq Area 80 SF	80	1.35	3	240	324	3	240	324	3	240	324	3	240	324
Customer Service Shared Work Area	REC-0008	Reception Area 240 SF	240	1.35	1	240	324	1	240	324	1	240	324	1	240	324
General Storage	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
Library / File Storage	LIBRY00800	80 Unit LLibrary 800 SF	800	1.35	1	800	1,080	1	800	1,080	1	800	1,080	1	800	1,080
O&M Hoteling station	WS02	WS Typ. 02 64 SF	64	1.40	3	191	268	3	191	268	3	191	268	3	191	268
Reception / Waiting	REC-0006	Reception Area 180 SF	180	1.35	1	180	243	1	180	243	1	180	243	1	180	243
Shared Permit Work Area	WKCP00600	Work/Copy/Eq Area 600 SF	600	1.35	1	600	810	1	600	810	1	600	810	1	600	810
Tenant Storage Area at Dock	STOR00100	Storage Room 100 SF	100	1.35	1	100	135	1	100	135	1	100	135	1	100	135
TOTAL:					23	5,196	7,025	23	5,196	7,025	23	5,196	7,025	23	5,196	7,025
STAFF - Admin and Mgmt																
1052.Wastewater Administrator. Grade 23	POFC0180	Private Office 180 SF	180	1.35	1	180	243	1	180	243	1	180	243	1	180	243
Director of Asset Management Grade 20 - JCW Rea	POFC0120	Private Office 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Asset Managment Professional Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2086/2351 .Director of Communications Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Communications Assistant Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	0	0	0	1	90	126	1	90	126	1	90	126
Director of Customer Relations Grade 20 - JCW R	POFC0120	Private Office 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
2291 .User Charge Manager. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2351.Customer Service Supervisor. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6230.Administrative Assistant. Grade 15	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
6351 Bookkeeper Grade 13	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6351 Customer Service Rep.Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	4	255	357	5	319	446	6	383	536	7	446	625
3201.Commercial/Industrial Customer Liaison Gra	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	2	180	252	2	180	252	2	180	252
6351.Customer Service Rep. Team Lead Grade 14	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
TOTAL:					16	1,433	1,985	18	1,586	2,200	19	1,650	2,289	20	1,714	2,378
STAFF - BOP																

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

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.
2010.Management Analyst. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2086.Human Resources Consultant. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2086.Human Resources Assistant Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	0	0	0	1	90	126	1	90	126	1	90	126
2106.Financial Manager. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2108.Director of Business Operations & Planning	POFC0120	Private Office 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
3320.Manager Information Services. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
5578.Internet Projects 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.Project Specialist. Grade 14	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6021/6010.Sr. Accounting Tech Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	2	180	252	2	180	252	2	180	252
2087.Aims Coordinator. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	2	180	252	2	180	252	2	180	252
2139.GIS Technician. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	2	180	252	4	360	504	5	450	630
3231.Database Administrator. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			11	1,020	1,422	15	1,380	1,926	17	1,560	2,178	18	1,650	2,304
STAFF - New Development																
2125.Engineer Specialist. Grade 17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Easement Acquisition Specialist Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2126.Planning Engineer. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2126.Senior Planning Engineer. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2127.Senior Development Engineer. Grade 19	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
3201.Sewer Inspector. Grade 15	WS05	WS Typ 05 - CARREL 30 SF	30	1.40	4	120	168	4	120	168	4	120	168	4	120	168
3202.Senior Inspector. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
5115.Permit Coordinator. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6351.Permits Technician. Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	2	128	179	2	128	179	2	128	179	2	128	179
6391.Senior Permits Tech. Grade 14	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Development Engineer Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	3	270	378	4	360	504	5	450	630
Develop Engineer Technician Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	7	630	882	8	720	1,008	9	810	1,134	10	900	1,260
Sr. Engineering Tech Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Engineering Technician Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			25	1,958	2,741	27	2,138	2,993	29	2,318	3,245	31	2,498	3,497
STAFF - Planning and Engineering																
2130.Chief Engineer. Grade 21	POFC0120	Private Office 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
Permit/Eng. Clerk Grade 12	WS01	WS Typ. 01 53 SF	53	1.40	1	53	74	1	53	74	1	53	74	1	53	74
6352.Executive Assistant. Grade 14	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
		TOTAL:			3	236	325	3	236	325	3	236	325	3	236	325
		BUILDING TOTALS:				9,843	13,496		10,536	14,468		10,960	15,061		11,294	15,528

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

Current Space: Sq. Ft.

Current Space:		Sq. Ft.		2008 Needs			2013 Needs			2018 Needs			2023 Needs				
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.	
	Room Std.	Description															
Tomahawk Creek Plant																	
STAFF - Middle Basin Complex																	
7101.Welder. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
TOTAL:					1	0	0	1	0	0	1	0	0	1	0	0	
STAFF - Nelson Bldg Maint Team																	
2351/2106.Treatment Superintendent. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126	
7022.Facilities Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
7101.Buildings Technician. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
8075.Building Maintenance Mechanic. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
8305.Facilities Maintenance Assistant Superintende	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126	
TOTAL:					5	180	252	5	180	252	5	180	252	5	180	252	
STAFF - Nelson Grnds Maint Team																	
8202.Facilities Helper. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	3	0	0	3	0	0	
TOTAL:					3	0	0	3	0	0	3	0	0	3	0	0	
STAFF - Tomahawk Complex																	
8305.Treatment Assistant Superintendent. Grade 1	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
7022.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	2	0	0	2	0	0	2	0	0	2	0	0	
8121.Truck Driver. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
TOTAL:					5	0	0	5	0	0	5	0	0	5	0	0	
STAFF - Tomahawk Facilities Help																	
	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	3	0	0	3	0	0	
TOTAL:					3	0	0	3	0	0	3	0	0	3	0	0	
STAFF- Tomahawk Facilities																	
Equipment Operators-Grade 14	WS02	WS Typ. 02 64 SF	64	1.40	2	128	179	2	128	179	2	128	179	2	128	179	
TOTAL:					2	128	179	2	128	179	2	128	179	2	128	179	
		BUILDING TOTALS:					308	431		308	431		308	431		308	431
Wastewater HVAC Bldg 7																	
Operations & Maint Spt Space																	
WW HVAC Bldg #7	SQFT	Square Feet	1	1.35	1,089	1,089	1,470	1,089	1,089	1,470	1,089	1,089	1,470	1,089	1,089	1,470	
TOTAL:					1,089	1,089	1,470	1,089	1,089	1,470	1,089	1,089	1,470	1,089	1,089	1,470	
		BUILDING TOTALS:					1,089	1,470		1,089	1,470		1,089	1,470		1,089	1,470

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

Current Space: Sq. Ft.

Current Space: Sq. Ft.				2008 Needs			2013 Needs			2018 Needs			2023 Needs			
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.
	Room Std.	Description														
WW Blue River MSD 5																
STAFF - Blue River Complex																
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	5	0	0	5	0	0
8121.Truck Driver. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	2	0	0	3	0	0	3	0	0	3	0	0
8302.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	2	0	0	2	0	0	3	0	0	3	0	0
8305.Treatment Assistant Superintendent. Grade 1	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Master Electrician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	0	0	0	1	0	0	1	0	0	1	0	0
Electrical Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	0	0	0	1	0	0	1	0	0	1	0	0
TOTAL:					8	90	126	11	90	126	14	90	126	14	90	126
BUILDING TOTALS:						90	126		90	126		90	126		90	126
WW Little Bull Crk Admin																
Operations & Maint Spt Space																
WW Little Bull Creek Admin	SQFT	Square Feet	1	1.35	4,842	4,842	6,537	4,842	4,842	6,537	4,842	4,842	6,537	4,842	4,842	6,537
TOTAL:					4,842	4,842	6,537	4,842	4,842	6,537	4,842	4,842	6,537	4,842	4,842	6,537
BUILDING TOTALS:						4,842	6,537		4,842	6,537		4,842	6,537		4,842	6,537
WW Little Bull Crk Bldg 1																
STAFF - Airport Complex																
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	4	0	0	4	0	0	4	0	0
8121.Truck Driver. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
TOTAL:					5	0	0	5	0	0	5	0	0	5	0	0
BUILDING TOTALS:						0	0		0	0		0	0		0	0
WW Little Bull Crk Bldg 9																
STAFF - Airport Complex																
2351/2106.Treatment Superintendent. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
TOTAL:					1	90	126	1	90	126	1	90	126	1	90	126
BUILDING TOTALS:						90	126		90	126		90	126		90	126
WW Little Bull Crk P 1																
STAFF - Airport Complex																
7022.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
TOTAL:					1	0	0	1	0	0	1	0	0	1	0	0
BUILDING TOTALS:						0	0		0	0		0	0		0	0
WW Maint Bldg 9																
Operations & Maint Spt Space																
WW Maint Bldg # 9	SQFT	Square Feet	1	1.35	6,465	6,465	8,728	6,465	6,465	8,728	6,465	6,465	8,728	6,465	6,465	8,728
TOTAL:					6,465	6,465	8,728	6,465	6,465	8,728	6,465	6,465	8,728	6,465	6,465	8,728
BUILDING TOTALS:						6,465	8,728		6,465	8,728		6,465	8,728		6,465	8,728

SPACE NEEDS ASSESSMENT: **Wastewater**

Current Space: Sq. Ft.

Current Space:		Sq. Ft.		2008 Needs			2013 Needs			2018 Needs			2023 Needs			
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.
	Room Std.	Description														
WW Mid Basin Mnt Bld 7																
STAFF - BOP																
5277.Applications Software Tech. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			1	90	126	1	90	126	1	90	126	1	90	126
STAFF - Middle Basin Complex																
7021 Jet Vac Crew Leader Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
7022.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	5	0	0	5	0	0	5	0	0
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	13	0	0	13	0	0	13	0	0	13	0	0
8302.O & M Supervisor. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	2	180	252	2	180	252	2	180	252
8305.Treatment Assistant Superintendent. Grade 1	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
		TOTAL:			21	180	252	22	180	252	22	180	252	22	180	252
STAFF- Middle Basin Clean & Ins																
6390 C & I Crew Member Grade 13	PEOPLEVIRT	Virtual People	0	1.00	9	0	0	11	0	0	12	0	0	13	0	0
7020/7021 Cleaning Crew Leader Grade 14	PEOPLEVIRT	Virtual People	0	1.00	5	0	0	6	0	0	7	0	0	8	0	0
7020/7021 TV Crew Leader Grade 14	PEOPLEVIRT	Virtual People	0	1.00	0	0	0	2	0	0	3	0	0	4	0	0
8305.Assistant Superintendent Collections Grade 1	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			15	90	126	20	90	126	23	90	126	26	90	126
WW Mid Basin Mnt Bld 9		BUILDING TOTALS:				360	504		360	504		360	504		360	504
Operations & Maint Spt Space																
WW Middle Basin Maint Bld #9	SQFT	Square Feet	1	1.35	3,467	3,467	4,680	3,467	3,467	4,680	3,467	3,467	4,680	3,467	3,467	4,680
		TOTAL:			3,467	3,467	4,680	3,467	3,467	4,680	3,467	3,467	4,680	3,467	3,467	4,680
STAFF - Middle Basin Complex																
2351/2106.Treatment Superintendent. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
7103.Instrumentation Technician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	2	0	0	2	0	0	2	0	0
7103.Master Electrician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
8076.Electrical Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
		TOTAL:			4	90	126	5	90	126	5	90	126	5	90	126
		BUILDING TOTALS:				3,557	4,806		3,557	4,806		3,557	4,806		3,557	4,806
WW Mill Creek bldg 4																
STAFF - Mill Creek Complex																
7103.Instrumentation Technician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	2	0	0	2	0	0	2	0	0
		TOTAL:			1	0	0	2	0	0	2	0	0	2	0	0
		BUILDING TOTALS:				0	0		0	0		0	0		0	0

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

Current Space: Sq. Ft.

Current Space:		Sq. Ft.		2008 Needs			2013 Needs			2018 Needs			2023 Needs			
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.
	Room Std.	Description														
WW Mill Creek bldg 6																
STAFF - Mill Creek Complex																
100587.Treatment Assistant Superintendent Grade	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	2	0	0	2	0	0	2	0	0	2	0	0
8302.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
TOTAL:					4	90	126	4	90	126	4	90	126	4	90	126
		BUILDING TOTALS:				90	126		90	126		90	126		90	126
WW Mission Main Bldg 10																
STAFF - BOP																
100586 Network Analyst Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	2	180	252	2	180	252	2	180	252
5575.Maintenance Planner/Scheduler. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
TOTAL:					2	180	252	3	270	378	3	270	378	3	270	378
STAFF - Existing Infrastructure																
Engineering Manager Grade 20	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Senior Engineering Technician. Grade 16.17	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
Operations Engineer. Grade 19	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
TOTAL:					3	270	378	3	270	378	3	270	378	3	270	378
STAFF - Middle Basin Complex																
6410.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
TOTAL:					1	64	89	1	64	89	1	64	89	1	64	89
STAFF - Nelson Complex																
1050.Director of Operations and Maintenance. Gra	POFC0120	Private Office 120 SF	120	1.35	1	120	162	1	120	162	1	120	162	1	120	162
2086.Training And Safety Coordinator. Grade 16	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
2126.Operations Engineer. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
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
6352.Executive Assistant. Grade 14	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
TOTAL:					5	454	629	5	454	629	5	454	629	5	454	629
STAFF - Nelson Ops and Maint Tm																
2107.Assistant Director of Treatment. Grade 19	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
TOTAL:					1	90	126	1	90	126	1	90	126	1	90	126
		BUILDING TOTALS:				1,058	1,475		1,148	1,601		1,148	1,601		1,148	1,601

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

Current Space: Sq. Ft.

Current Space:		Sq. Ft.		2008 Needs			2013 Needs			2018 Needs			2023 Needs				
Spaces	Applied Design Standard		Net Unit Sq.Ft.	Gross Factor	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.	
	Room Std.	Description															
WW Mission Main Bldg 11																	
STAFF - Nelson Construction Team																	
2351/2106.Collection Maintenance Superintendent	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126	
7050.Equipment Operator. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	3	0	0	3	0	0	
7051/7022.Line Construction Crew Leader Grade 1	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	6	0	0	7	0	0	8	0	0	
8202.Construction Crew Member. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	5	0	0	9	0	0	11	0	0	13	0	0	
TOTAL:					13	90	126	19	90	126	22	90	126	25	90	126	
STAFF - Nelson Ops and Maint Tm																	
7103.Instrumentation Technician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
TOTAL:					1	0	0	1	0	0	1	0	0	1	0	0	
STAFF - Nelson Pumps Team																	
8076.Electrical Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
7022.Pumps Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	4	0	0	4	0	0	4	0	0	
8075.Maintenance Crew Member. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	5	0	0	5	0	0	5	0	0	5	0	0	
7103.Master Electrician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0	
TOTAL:					11	0	0	11	0	0	11	0	0	11	0	0	
STAFF- Nelson Clean & Inspect Tm																	
2107.Assistant Director of Collections. Grade 19	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126	
TOTAL:					1	90	126	1	90	126	1	90	126	1	90	126	
		BUILDING TOTALS:					180	252		180	252		180	252		180	252
WW Mission Main Bldg 3																	
STAFF - Nelson Bldg Maint Team																	
7102.HVAC Technician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	3	0	0	3	0	0	
TOTAL:					3	0	0	3	0	0	3	0	0	3	0	0	
		BUILDING TOTALS:					0	0		0	0		0	0		0	0
WW Mission Main Bldg 9																	
STAFF - Existing Infrastructure																	
2126. Engineer. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	4	360	504	5	450	630	6	540	756	
TOTAL:					2	180	252	4	360	504	5	450	630	6	540	756	
		BUILDING TOTALS:					180	252		360	504		450	630		540	756
WW MK Nelson Admin10																	
Operations & Maint Spt Space																	
WW Nelson Plant Admin Bldg 10	SQFT	Square Feet	1	1.35	6,000	6,000	8,100	6,000	6,000	8,100	6,000	6,000	8,100	6,000	6,000	8,100	
TOTAL:					6,000	6,000	8,100	6,000	6,000	8,100	6,000	6,000	8,100	6,000	6,000	8,100	
		BUILDING TOTALS:					6,000	8,100		6,000	8,100		6,000	8,100		6,000	8,100

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

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.
WW MK Nelson Collectn																
Operations & Maint Spt Space																
WW Nelson Plant Collection Bldg 11	SQFT	Square Feet	1	1.35	12,148	12,148	16,400	12,148	12,148	16,400	12,148	12,148	16,400	12,148	12,148	16,400
		TOTAL:			12,148	12,148	16,400	12,148	12,148	16,400	12,148	12,148	16,400	12,148	12,148	16,400
		BUILDING TOTALS:				12,148	16,400		12,148	16,400		12,148	16,400		12,148	16,400
WW Turkey Crk 7																
STAFF - Nelson Complex																
6351.Facilities Senior Clerk. Grade 13	WS02	WS Typ. 02 64 SF	64	1.40	1	64	89	1	64	89	1	64	89	1	64	89
		TOTAL:			1	64	89	1	64	89	1	64	89	1	64	89
		BUILDING TOTALS:				64	89		64	89		64	89		64	89
WW Turkey Crk Grnd Mnt																
STAFF - Nelson Ops and Maint Tm																
2351/2106.Treatment Superintendent. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
7022.Treatment Crew Leader. Grade 15	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	4	0	0	4	0	0	4	0	0
7103.Instrumentation Technician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
7103.Master Electrician. Grade 15.16	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
8076.Electrical Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
8305.Treatment Assistant Superintendent. Grade 1	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
8121.Truck Driver. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
7051.Treatment Crew Member. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	10	0	0	11	0	0	11	0	0	11	0	0
		TOTAL:			19	180	252	21	180	252	21	180	252	21	180	252
		BUILDING TOTALS:				180	252		180	252		180	252		180	252

JOHNSON COUNTY STRATEGIC FACILITIES MASTER PLAN

SPACE NEEDS ASSESSMENT: Wastewater

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.
WW Turkey Crk Veh Mnt																
Operations & Maint Spt Space																
WW Turkey Creek Veh Maint Bldg 11	SQFT	Square Feet	1	1.35	17,907	17,907	24,174	17,907	17,907	24,174	17,907	17,907	24,174	17,907	17,907	24,174
		TOTAL:			17,907	17,907	24,174	17,907	17,907	24,174	17,907	17,907	24,174	17,907	17,907	24,174
STAFF - Existing Infrastructure																
3130.Engineering Technician. Grade 15	WS03	WS Typ. 03 90 SF	90	1.40	2	180	252	4	360	504	5	450	630	6	540	756
2126.Engineer. Grade 18	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			3	270	378	5	450	630	6	540	756	7	630	882
STAFF - Nelson Veh. Maint Team																
7101.Automotive Technician. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	4	0	0	4	0	0	4	0	0
8305.Fleet Maintenance Assistant Superintendent.	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
		TOTAL:			5	90	126	5	90	126	5	90	126	5	90	126
STAFF- Nelson Clean & Inspect Tm																
2351/2106.Cleaning and Inspection Superintenden	WS03	WS Typ. 03 90 SF	90	1.40	1	90	126	1	90	126	1	90	126	1	90	126
6390.Cleaning/Inspection Crew Member. Grade 13	PEOPLEVIRT	Virtual People	0	1.00	12	0	0	15	0	0	15	0	0	15	0	0
6391.TV Crew Leader. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	3	0	0	3	0	0	3	0	0	3	0	0
7020/7021 Cleaning Crew Leader Grade 14	PEOPLEVIRT	Virtual People	0	1.00	4	0	0	5	0	0	5	0	0	5	0	0
7021.Jet-Vac Crew Leader. Grade 14	PEOPLEVIRT	Virtual People	0	1.00	1	0	0	1	0	0	1	0	0	1	0	0
8305.Assistant Superintendent Collections Grade 1	WS03	WS Typ. 03 90 SF	90	1.40	3	270	378	4	360	504	4	360	504	4	360	504
		TOTAL:			24	360	504	29	450	630	29	450	630	29	450	630
Contingency Space Allowance (1% per year)		BUILDING TOTALS:				18,627	25,182		18,897	25,560		18,987	25,686		19,077	25,812
										4,504		9,092				13,747
TOTAL REQUIRED						65,169	88,352		66,403	94,583		67,007	100,017		67,521	105,390