

PHYSICAL & MENTAL REQUIREMENTS/WORKING CONDITIONS
City of Virginia Beach, VA

Job Title:	Utility Mechanic I	Position Number(PCN):	B.008046.1
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Div./Office:	PUD 041 Sewer Collection	Approver's Name	
Date of Last Update:	April 20, 2026	Approver's Title	

Fields to the right (Y/N): The position's status AND If the background check must be passed by the incumbent	Safety Sensitive:	Yes	Child Protective Services (CPS) Background:	No	VCIN Background:	No
	CJIS Certification:	No	PREA Certification:	No	Subject to Barrier Crime Provisions:	No

REQUIREMENTS

FREQUENCY: Seldom = Infrequent, < 5%; Occasional = 5% to 25% of time on job; Frequent = 25% to 75% of time on job; Constant = Over 75% of time on job.

Typical DURATION: Short = < 1 hr per occurrence; Moderate = 1-2 hrs per occurrence; Substantial = 2-6 hrs per occurrence; Long = > 6 hrs per occurrence.

Physical Demands				Working Conditions			
Element	Condition/Level/Value	Frequency	Duration	Element	Condition/Level/Value	Frequency	Duration
Standing		Frequent	Substantial	Working Outside:	in all weather conditions	Constant	Long
Walking		Frequent	Substantial	Working Alone:	out of communication w/others	N/A	N/A
Sitting		Occasional	Short	Extreme Temperatures	At/above 90 degrees	Frequent	Long
Reaching	Lower than shoulder level	Frequent	Moderate		Below 30 degrees	Frequent	Long
Lifting	Up to 25 lbs.	Frequent	Short	Extreme Wetness		Occasional	Moderate
	Over 50 lbs.	Occasional	Short	Extreme Dryness		N/A	N/A
Carrying	Weight: Up to 50 lbs.	Frequent	Short	Exposure to Traffic	High Traffic Low Speed	Frequent	Substantial
	Distance: Up to 25 ft.	Frequent	Short		High Traffic High Speed	Occasional	Substantial
Pushing	Estimated weight-resistance equivalency			Congested Area/Workspace		N/A	N/A
	Up to 50 lbs.	Occasional	Short	Confined Space- Permit REQUIRED		Frequent	Moderate
Pulling	Estimated weight-resistance equivalency			Working Below Ground		Frequent	Moderate
	Up to 50 lbs.	Occasional	Short	Working at Heights (ft.)	Up to 12 ft.	Occasional	Moderate
Working Overhead	Using hand tools	Occasional	Short		12 to 25 ft.	Seldom	Short
	Using power tools	Occasional	Short	Noise Level:	> 85 decibels TWA	Yes	Frequent
	Weight: Up to 10 lbs.	Occasional	Short		for 8 hrs.		Substantial
Climbing Stairs		Frequent	Short	Vibrations	Concrete cut saw	Frequent	Moderate
Climbing Ladders		Occasional	Short		Heavy equipment	Frequent	Moderate
Balancing		Occasional	Short		Body area(s):	Ex- Trunk, shoulders, arms, and hands.	
Stooping		Frequent	Moderate	Dust / Dirt / Particulate		Constant	Long
Kneeling/Squatting		Frequent	Moderate	Radiation		N/A	N/A
Bending		Frequent	Moderate	Silica/Fiberglass		Occasional	Short
Crawling		Occasional	Short	Asbestos		N/A	N/A
Explosive Strength: Short bursts of muscle force to propel oneself.		Frequent	Short	Aerosols & Gases	Irritant	Occasional	Short
Trunk Strength: Use of abdominal and lower back muscles.		Frequent	Moderate	Hazardous Materials /Chemicals		Hazardous Household Wastes	
						Other undefined	
Dynamic Strength: Use of muscle force repeatedly or continuously & resistant to fatigue.		Frequent	Moderate	Petroleum Products	N/A	N/A	N/A
Repetitive Limb Movement	Fingers/Wrist	Frequent	Substantial	Electrical Hazard		Occasional	Moderate
	Arm/Shoulder	Frequent	Substantial	Fire Hazard		Occasional	Occasional
Dexterity	Grasping	Frequent	Substantial	Infectious Diseases Exposure Type(s):	Sewer-like work spaces	Occasional	Substantial
Repetitive Twisting	Wrist/Elbow	Frequent	Substantial	Symbols:	< equal to or less than	< less than	
	Shoulder	Frequent	Substantial		> equal to or greater than	> greater than	
Awkward Positions & Motions	Awkward positions	Frequent	Moderate				
	Awkward motions	Frequent	Moderate				

Sensory Demands				Working Conditions (cont.)			
Element	Condition/Level/Value	Frequency	Duration	Element	Condition/Level/Value	Frequency	Duration
Vision	20/20 w/correction	Constant	Long	Hazardous Surfaces	Abrupt uneven surfaces	Frequent	Substantial
					Unguarded holes/pits	Frequent	Substantial
					Unstable ground	Frequent	Substantial
Hearing	Conversational level	Constant	Long	Other Hazards	Animal/Insect bites/stings	Constant	Long
Smell	Sewage	Frequent	Moderate		Sharp edges/objects	Occasional	Short
	Natural gas	Occasional	Short		Trees (storm clean-up)	Occasional	Long
Touch	Distinguish texture	Occasional	Moderate	Hours Worked	Four 10-hour days	Constant	
					More than 40 hours/week	Occasional	
Voice	Limited Verbal	Occasional	Moderate	Telework Eligible	No		
Personal Protective Equipment (PPE)				Equipment Operation & Use			
Category	Type	Frequency	Duration	Category	Type	Frequency	Duration
Eye and Face Protection	Safety glasses w/side shields	Frequent	Moderate	Motor Vehicles	Truck GVWR <= 26,000 lbs.	Occasional	Substantial
	Face shield	Seldom	Moderate		Truck GVWR >= 26,001 lbs. (CDL)	Frequent	Moderate
				Heavy Equipment	Excavator	Frequent	Moderate
Respiration Protection	Dust mask	Frequent	Moderate		Back hoe	Frequent	Moderate
Hearing Protection				Front-end loader	Frequent	Short	
	Both ear plugs and muffs	Frequent	Substantial	Other Equipment or Machinery	Forklift	Seldom	Short
Head Protection	Hard hat (impact protection)	Constant	Long		Bobcat	Seldom	Short
Hand Protection	Cloth/General Duty	Constant	Long	Hand-Held Power Tools	Jack hammer	Frequent	Short
	Medical grade exam gloves	Constant	Long		Impact drill/wrench	Frequent	Short
Foot Protection				Hand Tools and Instruments			
	Steel/composite toe-safety rated	Constant	Long		Carpentry tools	Frequent	Moderate
	Waterproof	Constant	Long		Plumbing tools	Frequent	Moderate
Body, Arm, and Leg Protection				Office Machines & Equipment			
	Cloth coveralls	Frequent	Long		Printer/Copier/Fax	Seldom	Short
	Tyvek coveralls	Occasional	Short				
	Traffic vest	Constant	Long				
	Rain gear	Occasional	Substantial				
Operator License				Commercial Driver's License			
NOTE: If CDL is required, show CDL Class in element to right.	Type			VA DMV requires: 20/40 in each eye w/o telescopic lens & ≥140° horizontal vision.	Class A:		
	CDL						
	Standard Driver's License						
Other physical or sensory demands, working conditions, equipment, hazards, PPE, etc., not indicated above:							

Mental Requirements

Evaluate based on the level of complexity [least to most] inherent in the job using the examples provided; then select the number from the drop-down list that matches the column which best represents the mental demand required in each element.

1 Comprehend Verbal Communication - Understand information and directions which are provided verbally
Job requires the ability to understand and follow:
Basic, step by step verbal instructions from a supervisor who is usually present at the workplace.
2 Communicate Orally - Verbally express thoughts and directions
Job requires:
Communicating basic information to co-workers, supervisors, or customers.
3 Comprehend and Follow Written Material or Instructions - Understand written material, interpret appropriately, and adhere to the procedures stated.
Job requires ability to comprehend:
Step by step written instructions where guidance and clarification are typically available.
4 Written Communication Skills - Express thoughts and directions in writing
Job requires:
Ability to prepare basic written information and relay it to others using a basic format such as a form or email.
5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks
Job requires ability to adhere to work schedule:
In a fast paced environment where the work is predictable.
6 Perform Complex or Varied Tasks - The variety of tasks and assignments and the level of complexity of those tasks/assignments
Job requires ability to perform:
A variety of tasks at the fully functional independent level.
7 Interact and Relate to Peers, Co-Workers, or the Public - The nature and level of interaction with others required of the job
Job requires interaction:
With others outside of the immediate work unit/agency, typically one-on-one, responding to inquiries or responding to requests for services.
8 Decision Making & Reasoning Ability - The extent to which the job requires logic to analyze information, draw conclusions/ generalizations, and make decisions based on facts
Job requires:
Some decision making in duties such as troubleshooting where observation/judgement occurs and then a selection is made from a number of possible options for resolution.
9 Memory and Recall - The body of stored knowledge required and the retrieval of that information to accomplish duties
Job requires the ability to:
Remember detailed methods and procedures and apply them to work being performed.
10 Flexibility and Adaptability - The extent to which one must adjust to changing circumstances and expectations, take on new challenges on short notice, and/or deal successfully with changing priorities and workloads
Job requires flexibility and willingness:
To adjust routine procedures to accommodate simple changes.
11 Attention Span - Sustained attention or the time spent continuously on task without becoming distracted to successfully perform duties
Job tasks are:
Varied and typically short in duration requiring only limited focus. Lapses may result in operational or production delays.
12 Attention to Detail - Thoroughness and accuracy are required to accomplish tasks
Job tasks:
Are primarily manual and routine. Inattention to detail could result in operational delays.
13 Reaction Time - Describes work that requires an immediate response or decision
Job requires the ability to:
Maintain production standards but work is steady and predictable and rarely requires an immediate response or decision.
14 Direct, Control, and Plan the Work of Others - Determine the time, place and sequence of work procedures, operations, and actions. Establish goals and objectives, motivate, and promote cooperation and teamwork in the work group
Job requires:
No supervision or management of staff.
15 Influence Others - Obtain cooperation from others to accomplish tasks and objectives
Job requires:
Obtaining support from other work groups to accomplish objectives.
16 Stress Tolerance - Ability to perform duties without anxiety when faced with difficulties. Having positive stress tolerance is being able to stay calm in situations of heavy workload, tight deadlines, and/or difficult customers
Job requires the ability to:
Tolerate typical work stressors such as deadlines or conflict and maintain composure.