			PHYSIC		REQUIREMENTS/V of Virginia Beac		DITIONS			
Job Title:	Maintenance Engineer II				<u> </u>	,	Position Numb	er(PCN):	B.001565.1	
job ride.	Maintenance Engineer II									
Div./Office:	PWD 651 Electr	651 Electrical Approver's Name								
Date of Last Update: October 11, 2021			Approver's Title							
	ight (Y/N): The the background		Safety Sensitive:	Yes	Child Protective	Services (CPS) E	Background:	No	VCIN Background:	No
passed by the	cambene				REQUIREMENTS				_	
FF	REOUENCY: Selde	om = Infrequent	t. < 5%: Occasion a	I = 5% to 25% of t	time on job; Frequ		i% of time on iob	: Constant = Ove	er 75% of time on	iob.
					rs per occurrence			-		,
31		Physical Demar			l		•	orking Conditi	·	
Element	Condition	/Level/Value	Frequency	Duration		Element	Condition	/Level/Value	Frequency	Duration
Standing	•		Frequent	Substantial		Working Outsi	side: in all weather conditions		Occasional	Moderate
Walking		Frequent	Substantial		Working Alone w/others	ne: out of communication		Occasional	Short	
Sitting	ting		Occasional	Short		Extreme	At/above 90 degrees		Occasional	Substantial
Reaching	Shoulder level	or higher	Frequent	Moderate		Temperatures	Below 30 degre	ees	Occasional	Substantial
Lifting	Up to 25 lbs.		Frequent	Short		Extreme Wetn	ness		Occasional	Short
Lifting	Over 50 lbs.		Occasional	Short		Extreme Dryne	ess		N/A	N/A
Carrying	Weight:	Over 50 lbs.	Occasional	Short		Exposure to	High Traffic Lov	w Speed	Occasional	Short
	Distance:	Over 25 ft.	Occasional	Moderate		Traffic				
Pushing	Estir	nated weight-r	esistance equiv	alency		Congested Are	a/Workspace		Frequent	Moderate
. usiiiig	Over 50 lbs.		Occasional	Short		Confined Space- Permit REQUIRED		IRED	Occasional	Short
Pulling		nated weight-r	esistance equiv	alency		Working Belov	w Ground		Occasional	Short
	Over 50 lbs.		Occasional	Short		Working at	Up to 12 ft.		Frequent	Moderate
Working	Using hand tools		Frequent	Substantial		Heights (ft.)	Over 40 ft.	ı	Occasional	Moderate
Overhead	Using power to		Occasional	Moderate		Noise Level: > 8	85 decibels TWA	Yes	Frequent	Moderate
	Weight:	Up to 50 lbs.	Occasional	Short		for 8 hrs.	I			
Climbing Stai			Occasional	Short		Vile weeki e wee	Hammer-drill		Occasional	Short
Climbing Lade Balancing	uers		Frequent	Moderate		Vibrations	Dody area(s)	Ev. Truple sho	l ulders, arms, and	l banda
Stooping			Frequent	Moderate Short		Dust / Dirt / Pa	Body area(s):	ex- Truffk, Sflo	T	Moderate
Kneeling/Squatting		Frequent Frequent	Short		Radiation	articulate		Frequent N/A	N/A	
Bending		Frequent	Short		Silica/Fibergla	ass		Seldom	Short	
Crawling			Occasional	Short		Asbestos			Seldom	Short
Explosive Strength: Short bursts of muscle		Occasional	Short		Aerosols &	Irritant		Seldom	Short	
force to prope	U					Gases				
_			Frequent	Short					N/A	
Trunk Strength: Use of abdominal and lower back muscles.		·		Hazardous /Chemical		laterials		undefined		
						Chemicais			undefined	
Dynamic Stre	ngth: Use of mu	scle force	Occasional	Short		Petroleum	Grease		Seldom	Short
repeatedly or a fatigue.	continuously & r	esistant to				Products	Liquid		Seldom	Short
Repetitive	Fingers/Wrist		Constant	Substantial		Electrical Haza	ard		Constant	Long
Limb Movement	Arm/Shoulder		Constant	Substantial		Fire Hazard		Frequent	Frequent	
Dexterity	Grasping		Constant	Substantial		Infectious	Sewer-like work spaces		Seldom	Short
	Handwriting		Occasional	Short		Diseases Air/Blood-borne pathog		e pathogens	Occasional	Short
Repetitive	Wrist/Elbow		Frequent	Substantial		Type(s): Ex- Repair sewer pipes; empt		/ residence trash cans.		
Twisting	Shoulder		Frequent	Substantial		< equal to or less than		or less than	< less than	
Awkward	Awkward posit	ions	Frequent	Short		Symbols:	> equal to or greater than		> greater than	
Positions &	· ·	· · · · · · · · · · · · · · · · · · ·					equality of greater triain		0 1233. 1.131.	
Motions	Awkward motions		Occasional	Short						

Sensory Demands					Working Conditions	(cont.)			
Element	Condition/Level/Value	Frequency	Duration	Element	Condition/Level/Value	Frequency	Duration		
Vision Hearing	20/20 w/correction	Constant	Long		Extremely dark areas	Frequent	Moderate		
	Color vision (colors)	Constant	Long	Hazardous	Abrupt uneven surfaces	Occasional	Short		
	Depth perception			Surfaces					
	Night vision	Occasional	Moderate						
	High pitches	Occasional	Short		Electric shock	Constant	Long		
Smell	Burning odor	Occasional	Short		Stored energy-mechanical	Frequent	Moderate		
	Sewage	Seldom	Short	Other Hazards	Stored energy mediamed	requerie	Moderate		
	Petroleum	Occasional	Short						
Touch Voice	Distinguish temperature	Frequent	Short		Four 10-hour days	Constant			
	Distinguish temperature	Hours		More than 40 hours/week	Occasional				
	Limited Verbal	Frequent	Moderate	Worked	IVIOLE CHAIT 40 HOULS WEEK	Occasional			
Tolce	Personal Protective Equi		Moderate		Fauinment Operation	n & Hsp			
Category	Type	Frequency Duration		Equipment Operation & Use Category Type Frequency Du			Duration		
Category	Safety glasses w/side shields		Substantial		Sedan/Pickup/Van	Frequent	Short		
	Face shield	Frequent	Substantial	Motor Vehicles	Truck GWR <= 26,000 lbs.	· · · · · · · · · · · · · · · · · · ·	Short		
Eye and Face Protection		Frequent		Verneres	· · · · · · · · · · · · · · · · · · ·	Frequent	+		
Totection	Welding mask/hood	Occasional	Short		Back hoe	Seldom	Short		
	B	0		Heavy Equipment					
Respiration Protection	Dust mask	Occasional	Moderate	Equipment		+			
						ļ			
Hearing	Both ear plugs and muffs	Frequent	Moderate		Forklift	Seldom	Short		
Protection				Other	Bobcat	Seldom	Short		
Head Protection	Hard hat (electrical shock)	Frequent	Substantial	Equipment or Machinery	Ditchwitch	Seldom	Short		
	Fire/heat resistant balaclava/hood	Frequent	Moderate	Waciinery					
					Cordless drill	Constant	Substantial		
Hand Protection	Electrical hazard insulated	Frequent	Substantial	Hand-Held	Impact drill/wrench	Frequent	Moderate		
	Cut resistant	Occasional	Moderate	Power Tools	Jack hammer	Seldom	Short		
TOTCCTION					Cutoff saw	Seldom	Short		
	Electrical hazard insulated	Constant	Long		Electrical tools	Constant	Long		
Foot Protection	Steel/composite toe-safety rated	Constant	Long	Hand Tools and	Carpentry tools	Frequent	Moderate		
			Instruments	Electronic tools	Frequent	Moderate			
Body, Arm, and Leg Protection	Arc Rated	Occasional	Moderate		Mechanic tools	Frequent	Moderate		
	Flame resistant	Constant	Long	Office	Computer	Frequent	Short		
				Machines &	Printer/Copier/Fax	Frequent	Short		
		Equipment		Equipment	Photography equipment	Occasional	Short		
Operator License				Commercial Driver's License					
NOTE: If CDL is Type				VA DMV requires: 20/40 in each					
equired, show	Standard Driver's License				eye w/o telescopic lens & ≥140° N/A horizontal vision.				
DL Class in									
element to									
ight.									
	king conditions, zards, PPE, etc.,								

Evaluate based on the level of complexity [least to most] inherent in the job using the examples provided; then select the number from matches the column which best represents the mental demand required in each element.	om the drop-down list that
1 Comprehend Verbal Communication - Understand information and directions which are provided verbally	
Job requires the ability to understand and follow:	Level
Complex information where the listener must analyze the information presented, discern the key facts vs. opinions, and make a determination	4
on appropriate recommendation or action.	4
2 Communicate Orally - Verbally express thoughts and directions	L. d
Job requires:	Level
Communicating specialized information to co-workers, supervisors or customers.	2
3 Comprehend and Follow Written Material or Instructions - Understand written material, interpret appropriately, and adhere to the	
procedures stated.	Level
Job requires ability to comprehend:	
Detailed written material in the form of informational reports, memos, articles, plans and drawings to be used in performing duties.	2
4 Written Communication Skills - Express thoughts and directions in writing	Level
Job requires:	Ecvei
Ability to prepare basic written information and relay it to others using a basic format such as a form or email.	1
5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks	Level
Job requires ability to adhere to work schedule:	Level
In moderately paced environment with some unexpected assignments.	2
6 Perform Complex or Varied Tasks - The variety of tasks and assignments and the level of complexity of those tasks/assignments	Level
Job requires ability to perform:	Level
A variety of tasks at the fully functional independent level.	3
7 Interact and Relate to Peers, Co-Workers, or the Public - The nature and level of interaction with others required of the job	Lavel
Job requires interaction:	Level
With a variety of individuals or groups outside the immediate unit/agency to collaborate on issues or projects.	3
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	Level
Job requires:	
Considerable reasoning and decision making. Issues and/or data are interpreted and evaluated, alternatives are evaluated, and	3
recommendations are made for resolution of issues.	J.
9 Memory and Recall - The body of stored knowledge required and the retrieval of that information to accomplish duties	Level
Job requires the ability to:	2070.
Remember information from broad bodies of knowledge (engineering, psychology, biology, law, etc.) and apply it to projects and assignments.	4
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	Level
Job requires flexibility and willingness:	
To be adaptable in assessing customer/client needs and tailoring a non-typical solution.	4
11 Attention Span - Sustained attention or the time spent continuously on task without becoming distracted to successfully perform duties	1
Job tasks are:	Level
Varied and typically of moderate duration requiring sustained focus. Lapses may result in injury or legal or financial liability.	3
12 Attention to Detail - Thoroughness and accuracy are required to accomplish tasks	
Job tasks:	Level
Involve numerous and various details, some of which have subtle differences, that require continuous and close attention to detail to facilitate accuracy of outcome. Inattention to detail could result in legal or financial liability.	5
13 Reaction Time - Describes work that requires an immediate response or decision	
Job requires the ability to:	Level
Provide an immediate response/decision to maintain normal daily operations, procedures or processes. Untimely response/decision could lead	
to serious injury, or legal or financial liability.	4
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	Level
Job requires:	Level
Supervision of a small group of employees (5 or less).	2
15 Influence Others - Obtain cooperation from others to accomplish tasks and objectives	<u> </u>
Job requires:	Level
Obtaining support from other work groups to accomplish objectives.	2
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	Level
Job requires the ability to:	

Mental Requirements

1