

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____ JOB TITLE: Design Engineer (Surface Water)
 DEPARTMENT: Natural Resources, WLRD, Capital Projects WORK SCHEDULE: 40/week
 JOB DESCRIPTION: Engineers in the Surface Water Engineering Services Unit work as a part of interdisciplinary teams on project types that include surface water conveyance, stormwater quantity and quality control facilities, and habitat restoration/enhancement projects.
 WORK ENVIRONMENT: Field with some office.
 ESSENTIAL FUNCTIONS: Engineers are responsible for preparing designs for watershed capital improvement projects; conducting hydrologic and hydraulic studies; and for preparing cost estimates and construction bid packages. Engineers perform surface water modeling, field investigations, and complex engineering calculations. Engineers interact with construction staff on project sites. Additional tasks include reviewing drainage plans and reports for regulatory compliance using the King County Surface Water Design Manual, the King County Road Standards, and other pertinent regulations; writing detailed engineering reports; and working collaboratively with clients and stakeholders that can include the general public, private landowners, other agencies, and internal staff.

Exposures:

Outside weather
 Non-weather related temp below 55°
 Non-weather related temp above 75°
 Humidity/dampness
 Moving mechanical parts
 Exposed high places
 Vibration
 Toxic or caustic chemicals
 Confined spaces
 Wet Gasses
 Fumes Odors
 Dusts Mists
 Radiation Explosives
 Noise Level 60-80
 Other _____

Special Requirements:

CDL Respirator use

PHYSICAL DEMAND	HRS PER SHIFT	PHYSICAL DEMAND	HRS PER SHIFT
Standing	15 min – 3 hours	Reaching knee-waist	0 – 1 hour
Walking <input checked="" type="checkbox"/> uneven terrain	1.5 – 4 hours	Reaching floor-knee	0 – 2 hours
Sitting	1 – 6 hours	Lifting/Carrying 1-10#	0 – 8 hours
Climbing stairs	0 – 30 minutes	Lifting/Carrying 11-20#	0 – 4 hours
Climbing slopes/ladders	0 – 1 hour	Lifting/Carrying 21-50#	0 – 15 minutes
Balancing	0 – 2 hours	Lifting/Carrying 51-100#	0 – 15 minutes
Bending/Stooping	30 min – 3 hours	Lifting/Carrying 100+#	0
Kneeling	0 – 1 hour	Handling	2 – 5 hours
Crouching	0 – 1 hour	Hand Controls	0 – 3 hours
Crawling	0 – 1 hour	Fingering <input checked="" type="checkbox"/> keyboarding	1 – 6 hours
Foot controls	0 – 4 hours	Vision to assure safety of others	0 – 8 hours
Reaching above shoulders	0 – 2 hours	Hearing to assure safety of others	0 – 8 hours
Reaching waist-shoulder	3 – 4 hours	Other	

I have reviewed the following Job Analysis for the above-named candidate.

Physician's Signature

Date